

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062196.D
 Acq On : 9 May 2019 19:01
 Operator : FY/SY
 Sample : K2717-11MSD
 Misc : 4.98g/5mL/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Quant Time: May 10 04:21:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	469178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	641751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	467720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	171913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	262444	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
35) Dibromofluoromethane	6.90	113	331131	62.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.38%	
50) Toluene-d8	10.40	98	681270	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	13.55	95	228168	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	233741	52.090	ug/l	97
3) Chloromethane	1.75	50	164260	50.660	ug/l	91
4) Vinyl Chloride	1.84	62	176804	55.484	ug/l	96
5) Bromomethane	2.15	94	91086	121.990	ug/l	99
6) Chloroethane	2.27	64	92488	69.169	ug/l	97
7) Trichlorofluoromethane	2.52	101	361875	58.412	ug/l	97
8) Diethyl Ether	2.86	74	65524	54.841	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	231642	49.428	ug/l	99
10) Methyl Iodide	3.30	142	344651	48.659	ug/l	91
11) Tert butyl alcohol	4.03	59	50308	226.041	ug/l	96
12) 1,1-Dichloroethene	3.12	96	201224	56.249	ug/l	98
13) Acrolein	3.02	56	18257	79.311	ug/l	99
14) Allyl chloride	3.61	41	277120	53.277	ug/l	87
15) Acrylonitrile	4.18	53	142353	243.342	ug/l	92
16) Acetone	3.20	43	171618	187.691	ug/l #	88
17) Carbon Disulfide	3.37	76	529567	51.459	ug/l	99
18) Methyl Acetate	3.62	43	306265	188.119	ug/l	92
19) Methyl tert-butyl Ether	4.22	73	414071	54.000	ug/l	96
20) Methylene Chloride	3.80	84	217438	56.954	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	222123	55.798	ug/l	95
22) Diisopropyl ether	5.09	45	619082	55.930	ug/l #	87
23) Vinyl Acetate	5.09	43	342299	58.613	ug/l #	77
24) 1,1-Dichloroethane	4.96	63	371503	55.636	ug/l	98
25) 2-Butanone	6.05	43	208520	209.073	ug/l	98
26) 2,2-Dichloropropane	6.00	77	370303	55.673	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	238345	53.490	ug/l	90
28) Bromochloromethane	6.42	49	167260	63.667	ug/l	91
29) Tetrahydrofuran	6.43	42	100440	218.567	ug/l	99
30) Chloroform	6.65	83	457284	56.824	ug/l	96
31) Cyclohexane	6.94	56	204440	44.689	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	418224	54.984	ug/l	99
36) 1,1-Dichloropropene	7.13	75	262450	49.879	ug/l	95
37) Ethyl Acetate	6.16	43	60793	27.244	ug/l	98
38) Carbon Tetrachloride	7.09	117	450166	61.813	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	162606	32.254	ug/l	96
40) Benzene	7.43	78	625999	52.686	ug/l	99
41) Methacrylonitrile	6.42	41	125417	45.992	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	287989	57.208	ug/l	94
43) Isopropyl Acetate	9.22	43	64685	20.440	ug/l	99
44) Trichloroethene	8.53	130	231103	51.044	ug/l	94
45) 1,2-Dichloropropane	8.92	63	154172	52.458	ug/l	95
46) Dibromomethane	9.05	93	129551	54.208	ug/l	89
47) Bromodichloromethane	9.35	83	333661	57.077	ug/l	99
48) Methyl methacrylate	9.10	41	114244	58.607	ug/l	93
49) 1,4-Dioxane	9.06	88	19764	939.705	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	467034	229.582	ug/l	95
52) Toluene	10.49	92	395206	51.122	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	253265	50.128	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	289032	52.439	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	137502	50.270	ug/l	98
56) Ethyl methacrylate	11.03	69	63216	22.241	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	207107	50.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	362727	233.624	ug/l	96
59) 2-Hexanone	11.52	43	301918	201.367	ug/l	97
60) Dibromochloromethane	11.67	129	241166	51.017	ug/l	99
61) 1,2-Dibromoethane	11.79	107	165214	49.681	ug/l	98
64) Tetrachloroethene	11.23	164	162755	44.500	ug/l	95
65) Chlorobenzene	12.38	112	396223	45.483	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	229792	60.610	ug/l	96
67) Ethyl Benzene	12.51	91	788297	54.051	ug/l	96
68) m/p-Xylenes	12.66	106	544665	102.649	ug/l	98
69) o-Xylene	13.03	106	266580	54.040	ug/l	93
70) Styrene	13.06	104	403074	48.234	ug/l	99
71) Bromoform	13.22	173	134957	51.163	ug/l	98
73) Isopropylbenzene	13.39	105	681099	66.094	ug/l	96
74) N-amyl acetate	13.25	43	58102	21.505	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	139189	71.347	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	145707	71.318	ug/l	99
77) Bromobenzene	13.66	156	183591	63.642	ug/l	92
78) n-propylbenzene	13.76	91	675460	54.948	ug/l	96
79) 2-Chlorotoluene	13.83	91	384182	54.569	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	510787	58.862	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.47	75	35840	62.140	ug/l #	79
82) 4-Chlorotoluene	13.94	91	452986	54.678	ug/l	94
83) tert-Butylbenzene	14.19	119	591222	60.616	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	511000	58.682	ug/l	90
85) sec-Butylbenzene	14.36	105	440796	41.219	ug/l	98
86) p-Isopropyltoluene	14.48	119	411565	43.076	ug/l	93
87) 1,3-Dichlorobenzene	14.45	146	244952	46.483	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	245644	47.441	ug/l	97
89) n-Butylbenzene	14.79	91	268354	31.292	ug/l	94
90) Hexachloroethane	15.00	117	120151	46.242	ug/l	64
91) 1,2-Dichlorobenzene	14.80	146	209692	48.317	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22379	69.882	ug/l	84

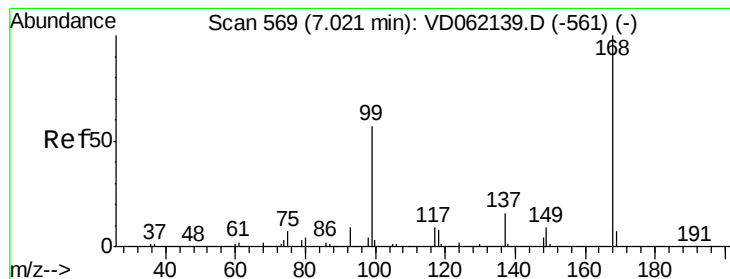
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	70466	22.307	ug/l	90
94) Hexachlorobutadiene	16.03	225	32137	13.678	ug/l	99
95) Naphthalene	16.11	128	133920	30.366	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	40538	20.411	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

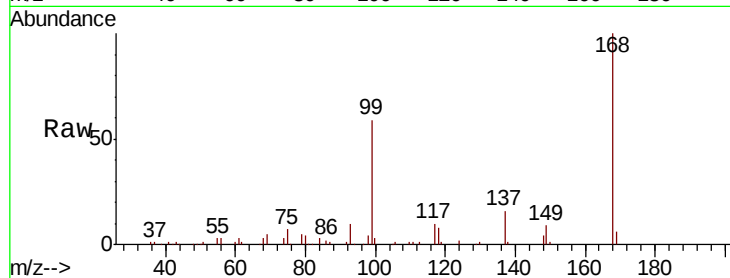
P026-SS002-1218-01MSD

Tgt Ion:168 Resp: 469178

Ion Ratio Lower Upper

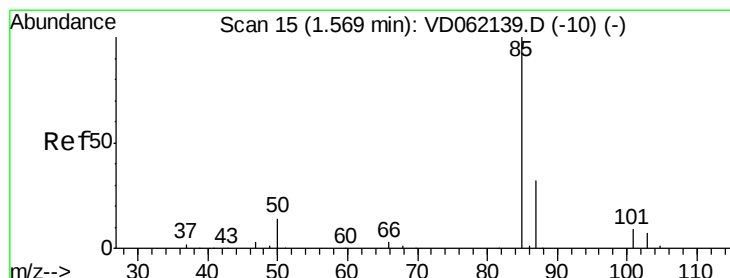
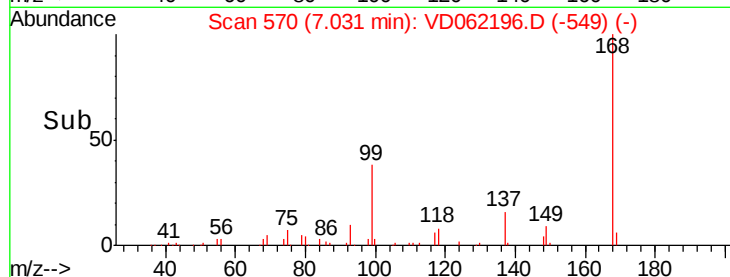
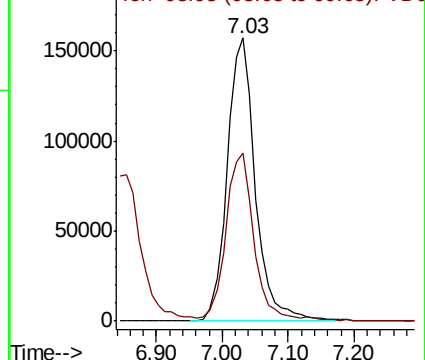
168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.090 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062196.D

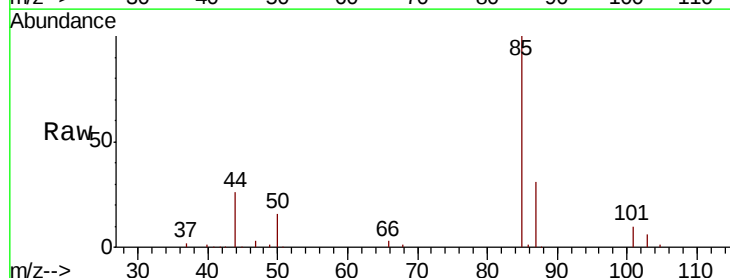
Acq: 9 May 2019 19:01

Tgt Ion: 85 Resp: 233741

Ion Ratio Lower Upper

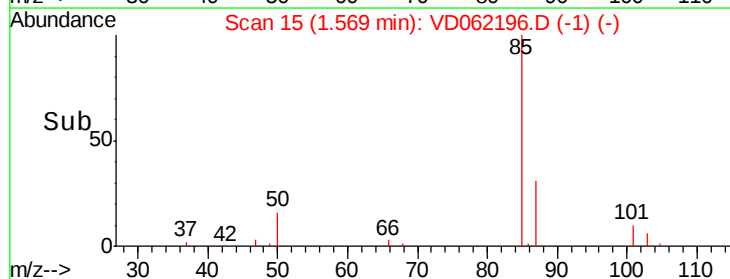
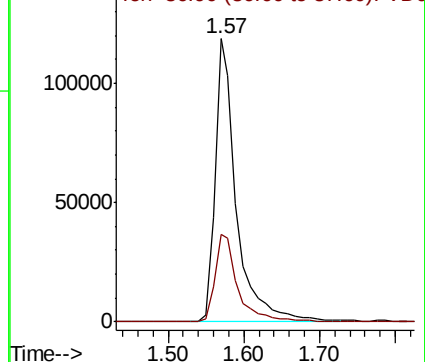
85 100

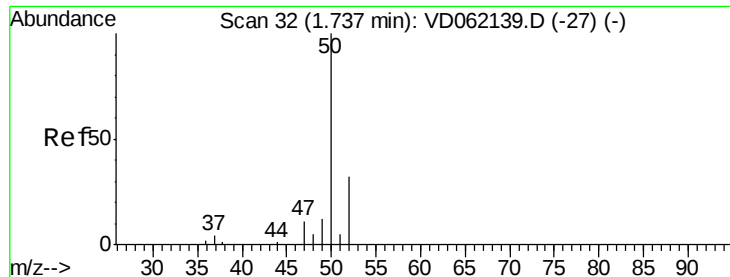
87 30.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.660 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

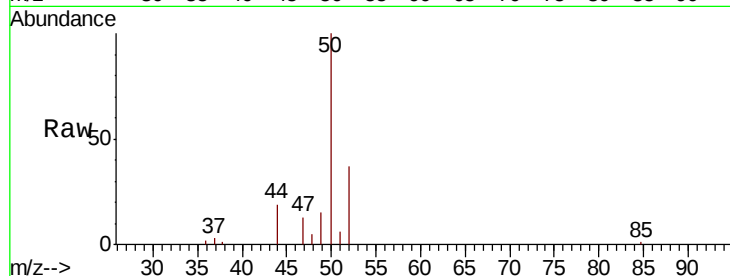
P026-SS002-1218-01MSD

Tgt Ion: 50 Resp: 164260

Ion Ratio Lower Upper

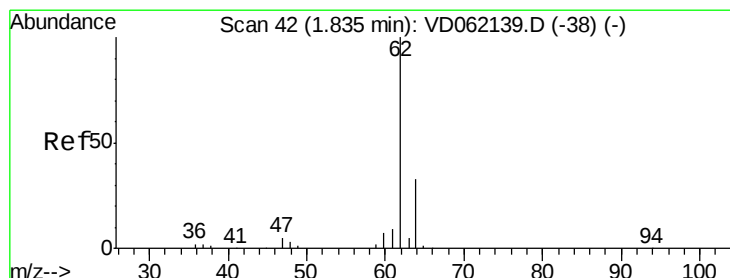
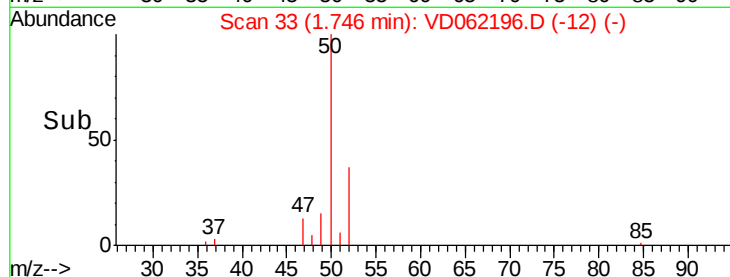
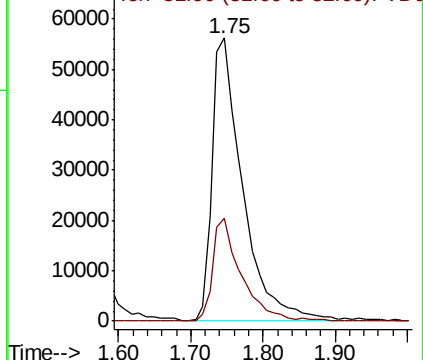
50 100

52 36.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.484 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062196.D

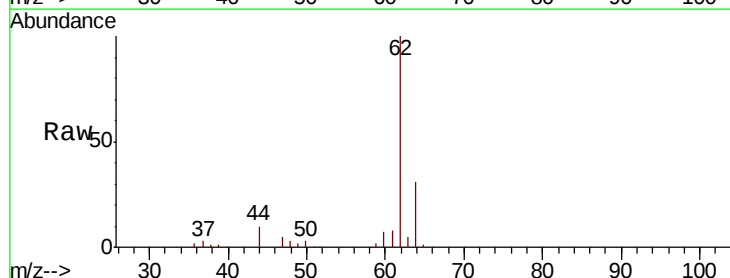
Acq: 9 May 2019 19:01

Tgt Ion: 62 Resp: 176804

Ion Ratio Lower Upper

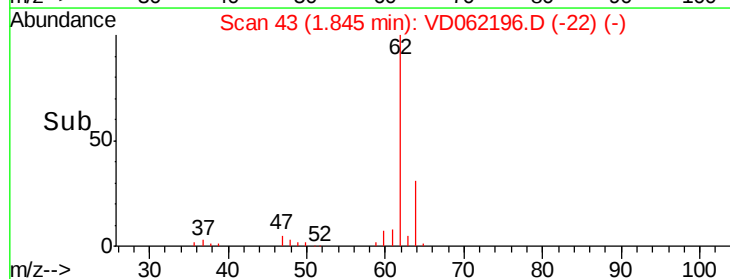
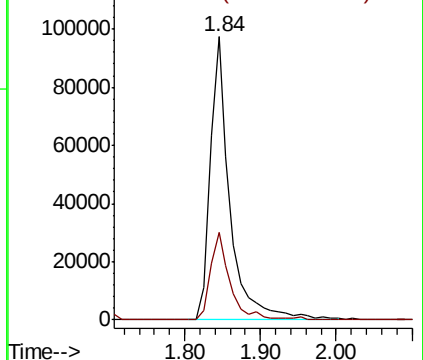
62 100

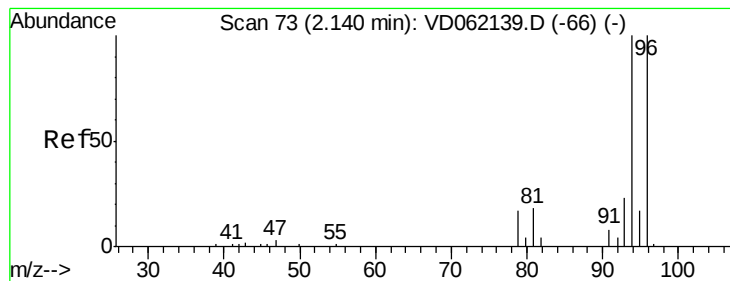
64 30.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 121.990 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

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ClientSampleId :

P026-SS002-1218-01MSD

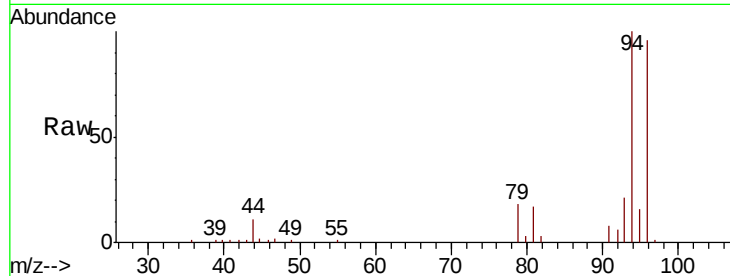
Tgt Ion: 94 Resp: 91086

Ion Ratio Lower Upper

94 100

96 96.3 76.6 115.0

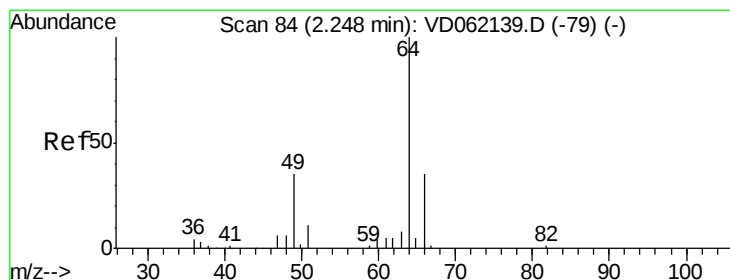
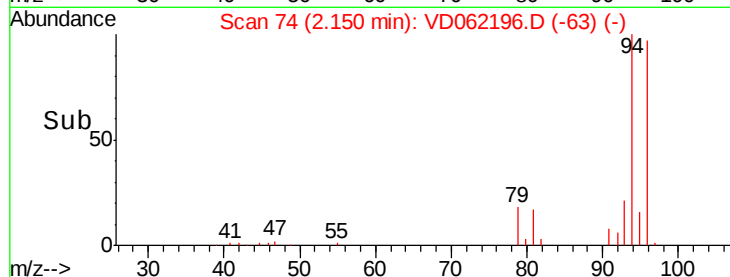
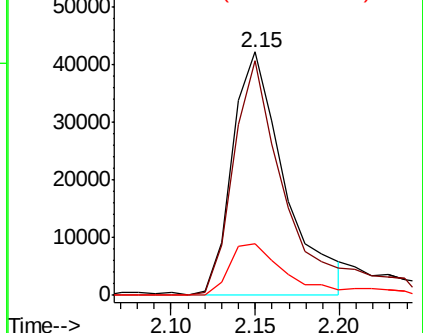
93 21.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 69.169 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062196.D

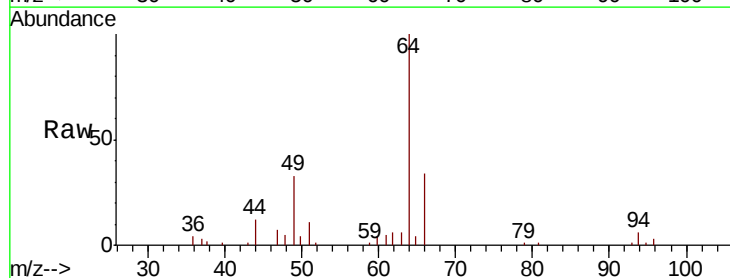
Acq: 9 May 2019 19:01

Tgt Ion: 64 Resp: 92488

Ion Ratio Lower Upper

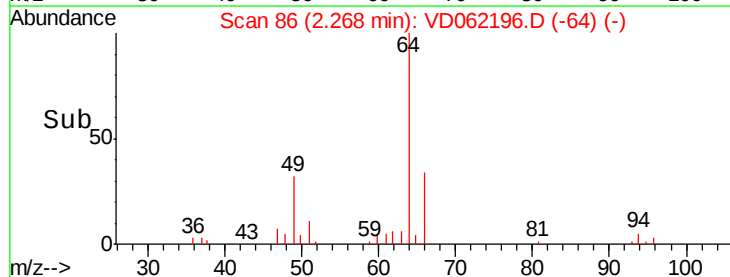
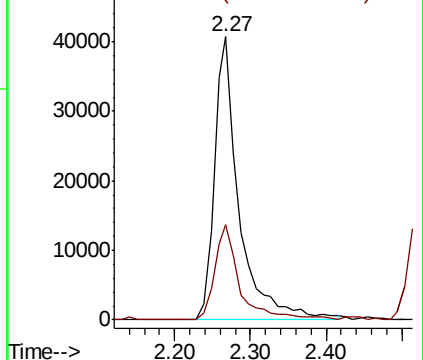
64 100

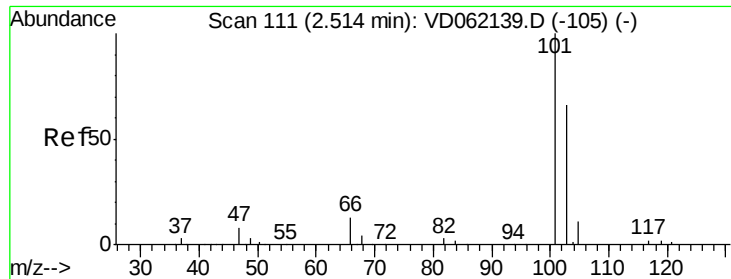
66 33.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



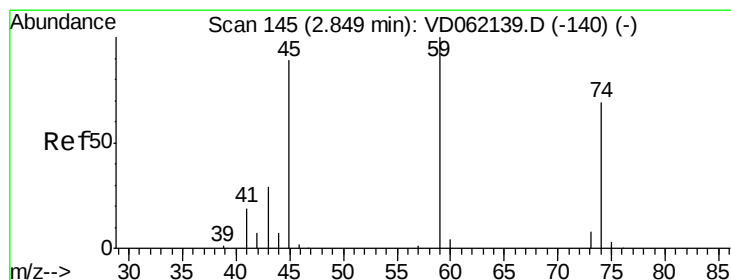
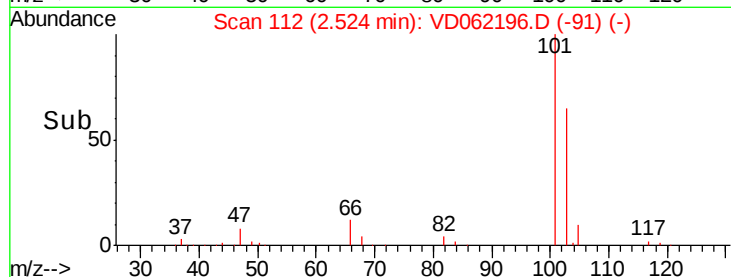
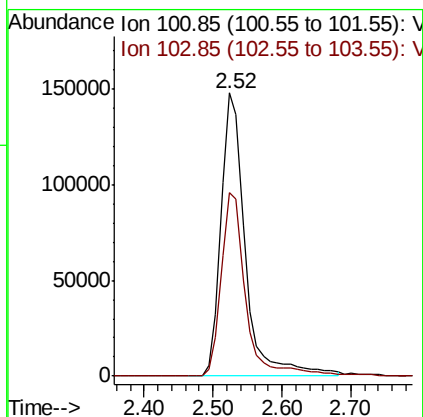
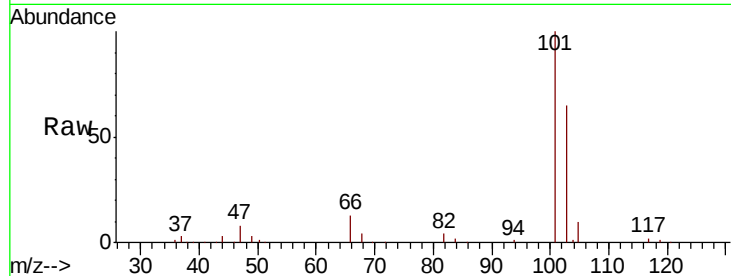


#7

Trichlorofluoromethane
 Concen: 58.412 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
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 ClientSampleId :
 P026-SS002-1218-01MSD

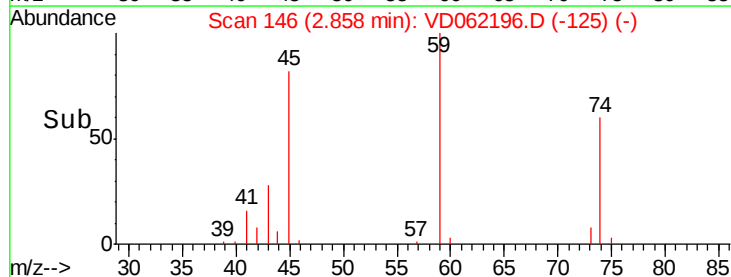
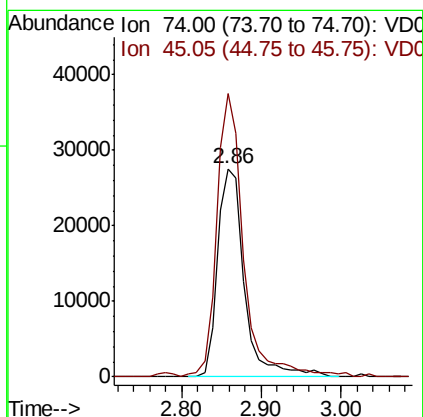
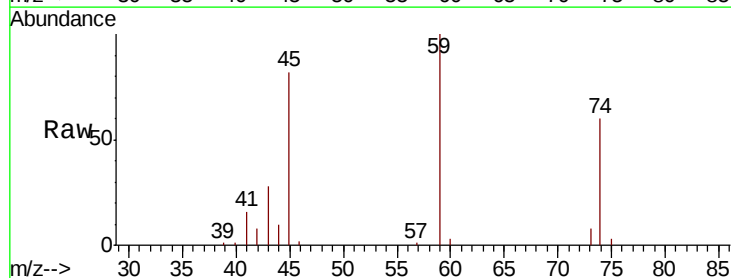
Tgt Ion: 101 Resp: 361875
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4

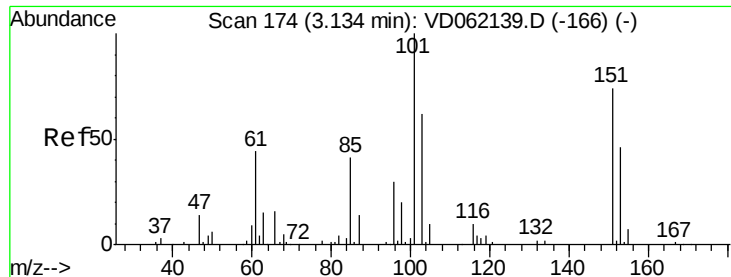


#8

Diethyl Ether
 Concen: 54.841 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 74 Resp: 65524
 Ion Ratio Lower Upper
 74 100
 45 136.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.428 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

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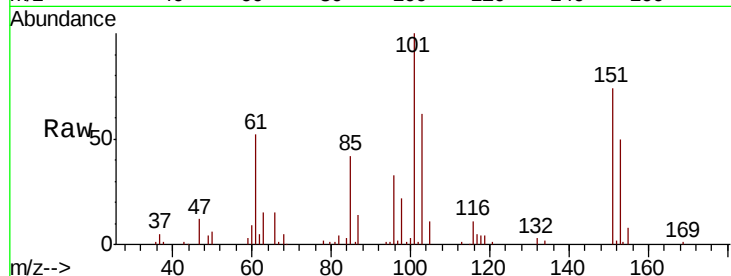
Tgt Ion:101 Resp: 231642

Ion Ratio Lower Upper

101 100

85 42.2 32.4 48.6

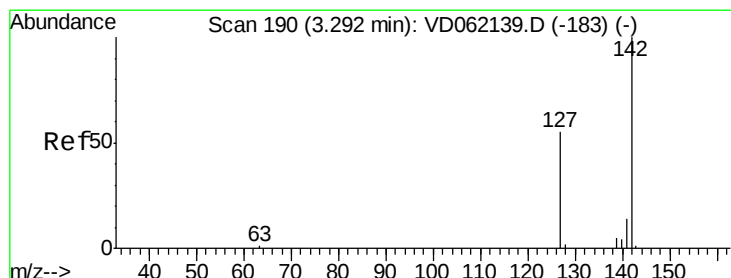
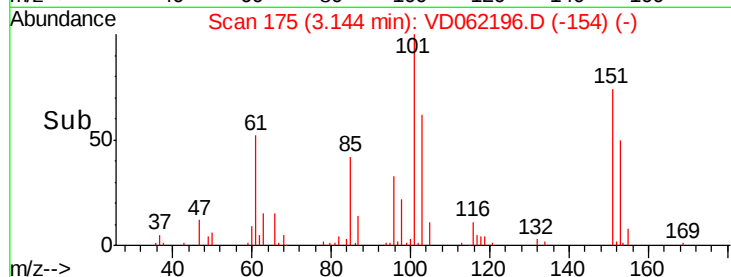
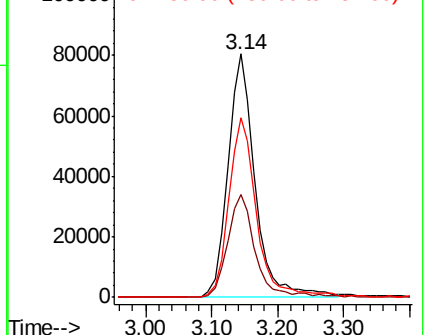
151 73.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.659 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

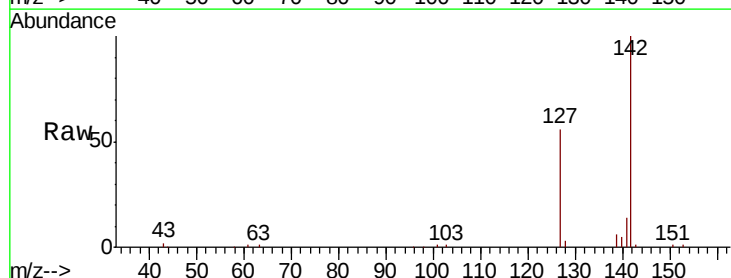
Tgt Ion:142 Resp: 344651

Ion Ratio Lower Upper

142 100

127 56.4 38.8 58.2

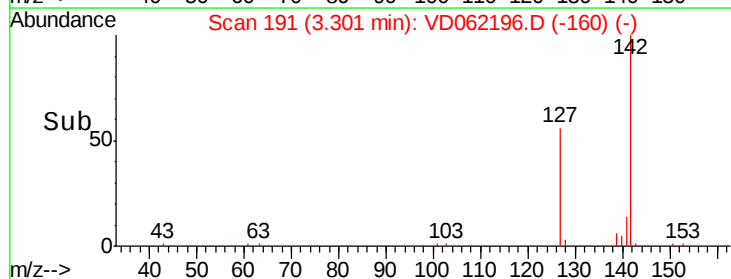
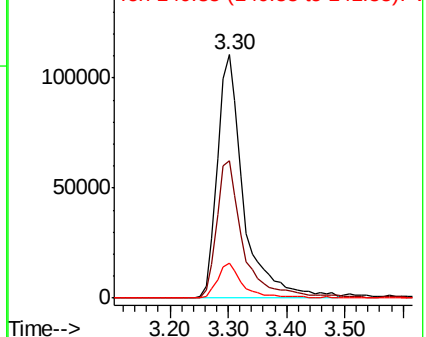
141 14.2 11.4 17.0

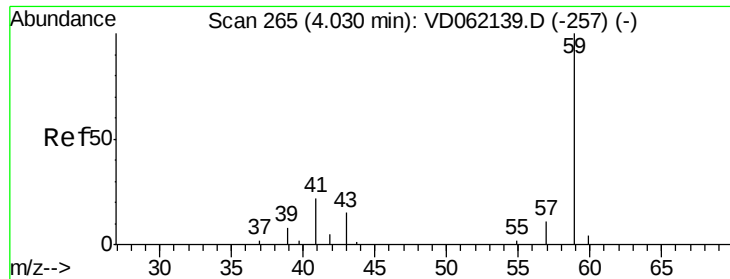


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

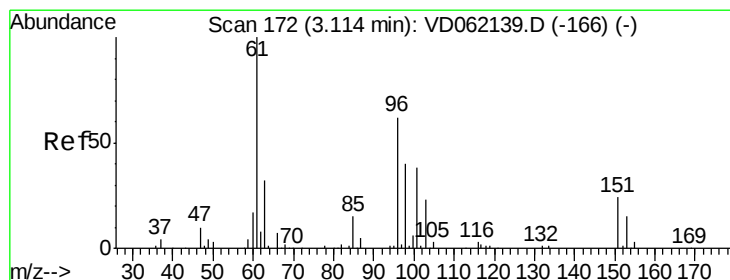
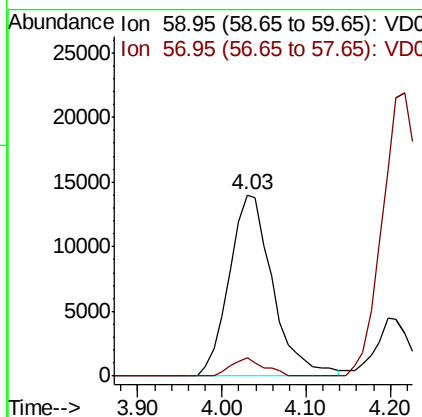
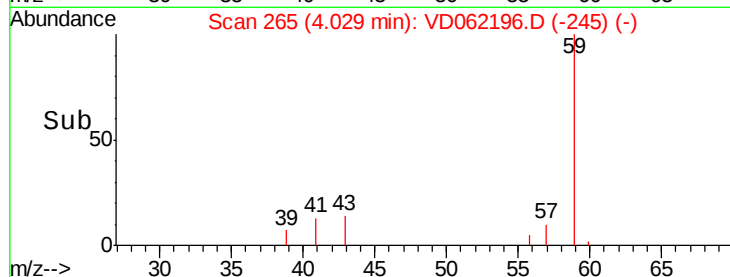
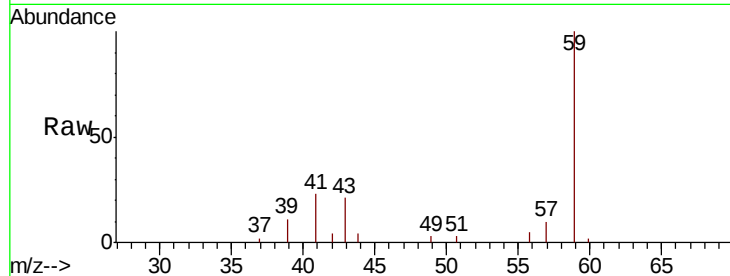




#11
Tert butyl alcohol
Concen: 226.041 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

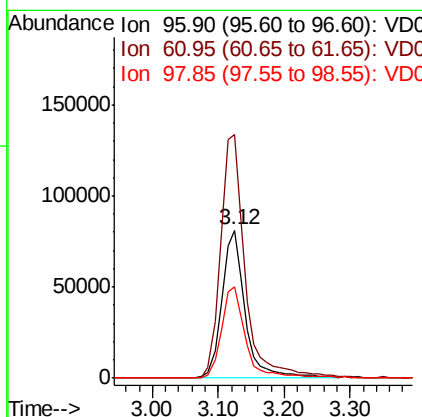
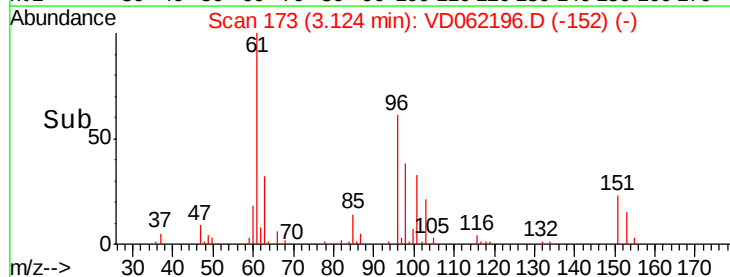
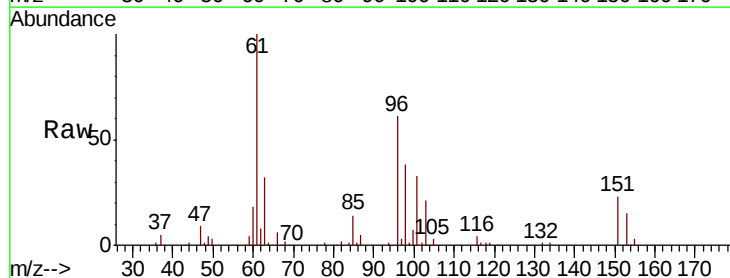
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

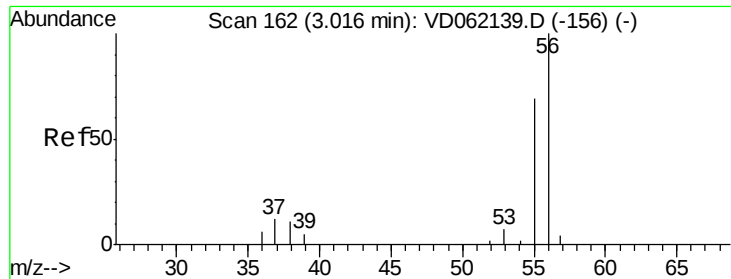
Tgt Ion: 59 Resp: 50308
Ion Ratio Lower Upper
59 100
57 10.0 6.9 10.3



#12
1,1-Dichloroethene
Concen: 56.249 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 96 Resp: 201224
Ion Ratio Lower Upper
96 100
61 164.3 129.8 194.8
98 61.8 51.2 76.8

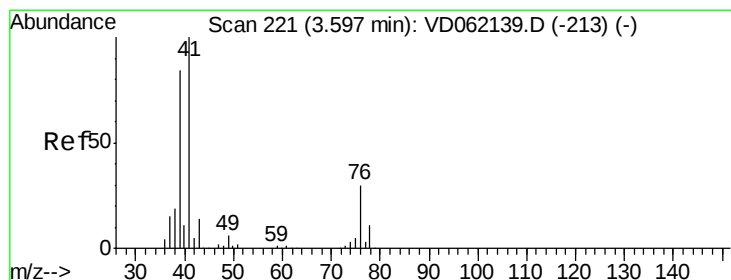
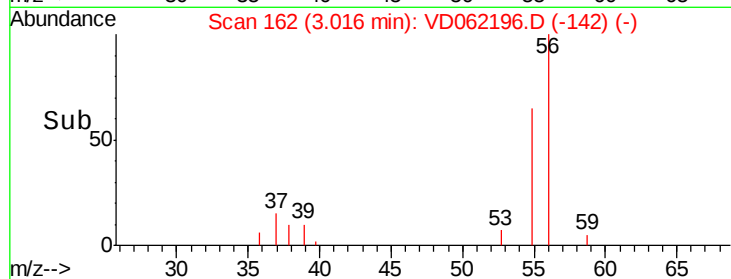
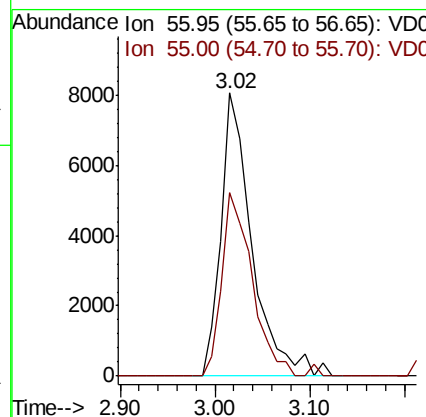
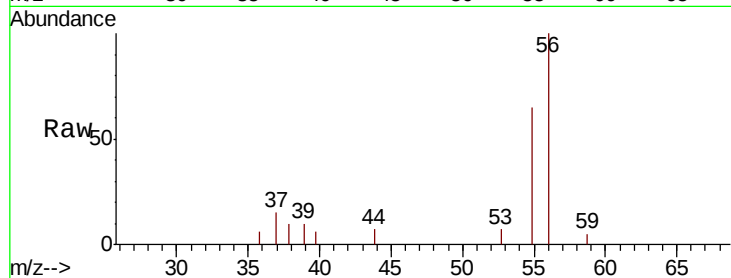




#13
Acrolein
Concen: 79.311 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

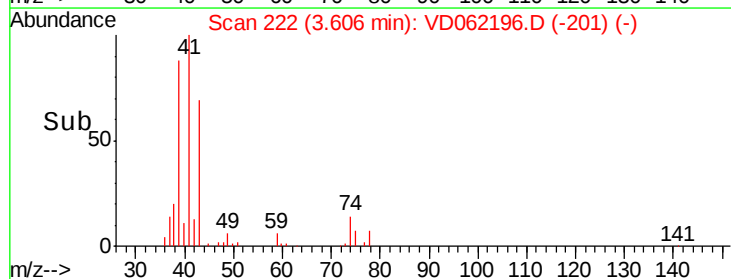
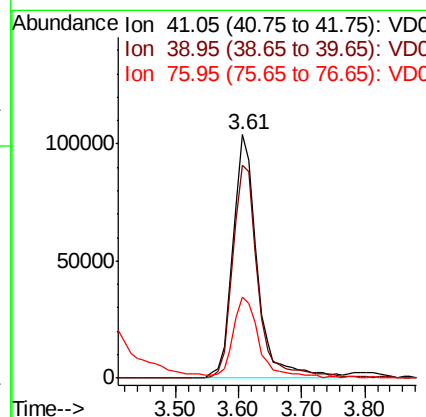
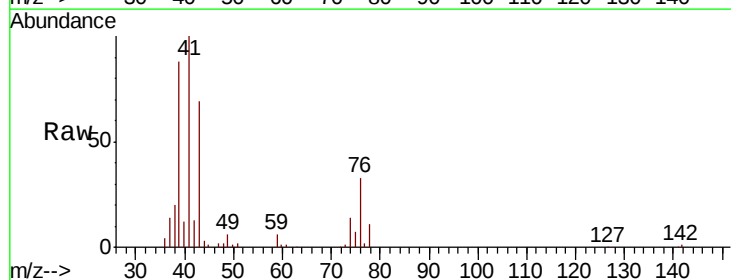
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

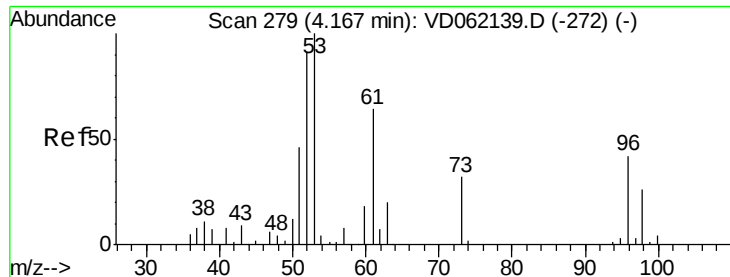
Tgt Ion: 56 Resp: 18257
Ion Ratio Lower Upper
56 100
55 64.7 51.4 77.2



#14
Allyl chloride
Concen: 53.277 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 41 Resp: 277120
Ion Ratio Lower Upper
41 100
39 87.7 60.5 90.7
76 33.1 31.8 47.8





#15

Acrylonitrile

Concen: 243.342 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

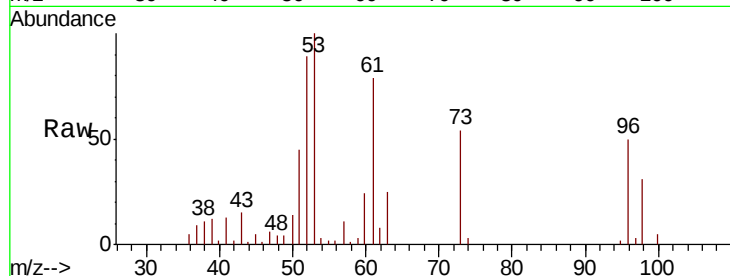
Tgt Ion: 53 Resp: 142353

Ion Ratio Lower Upper

53 100

52 89.0 65.0 97.4

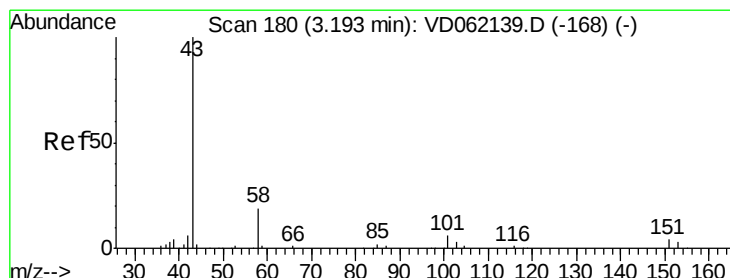
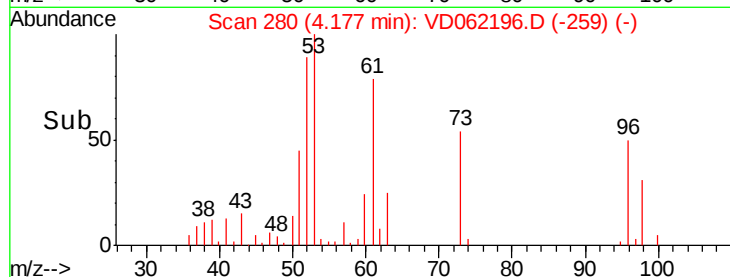
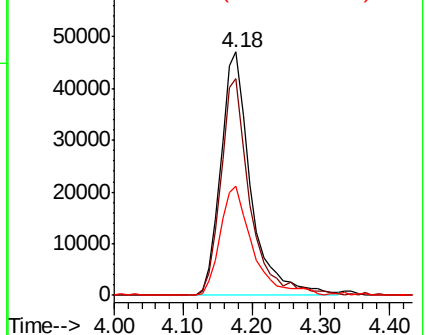
51 44.8 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 187.691 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062196.D

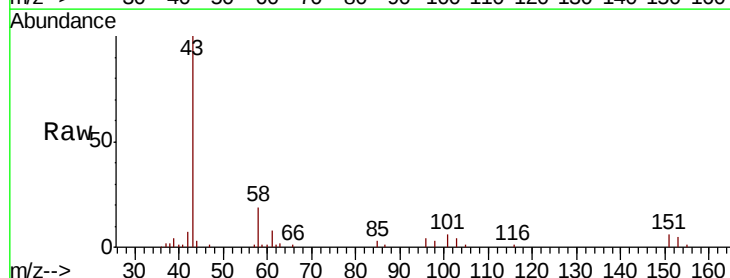
Acq: 9 May 2019 19:01

Tgt Ion: 43 Resp: 171618

Ion Ratio Lower Upper

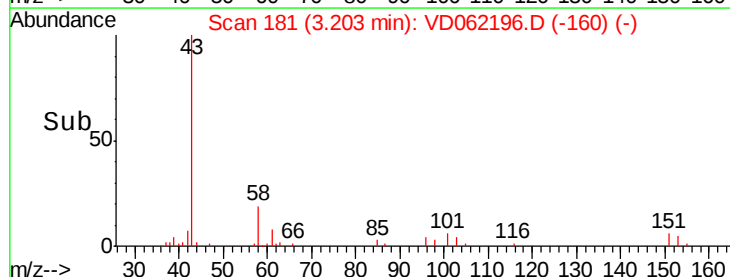
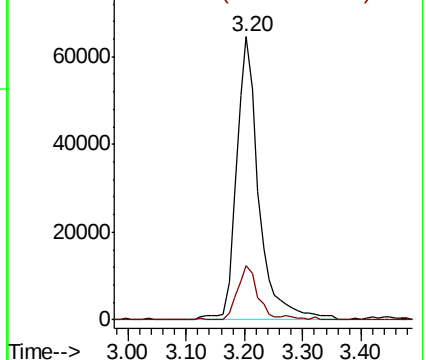
43 100

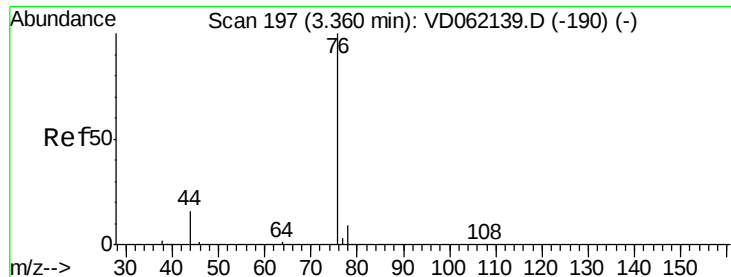
58 19.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

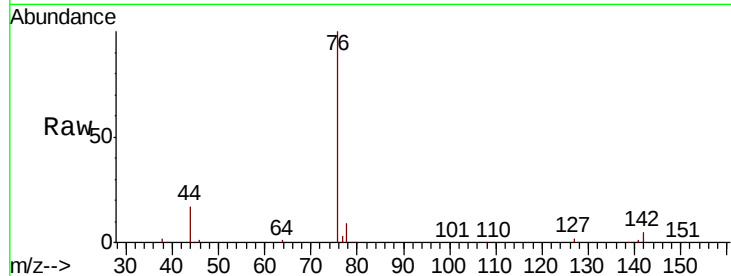




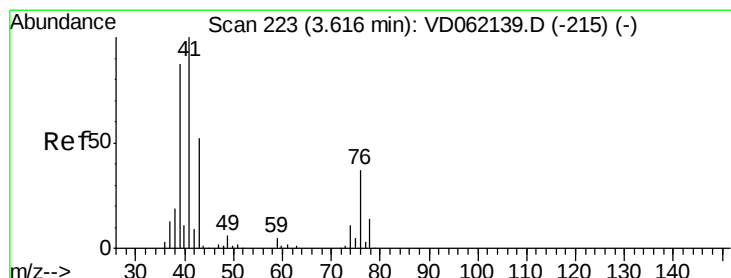
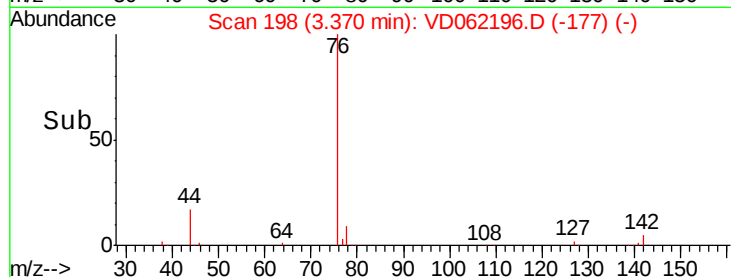
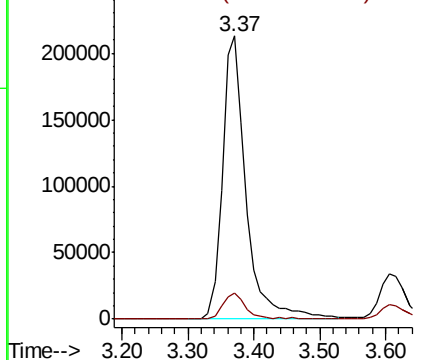
#17
Carbon Disulfide
Concen: 51.459 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tgt Ion: 76 Resp: 529567
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

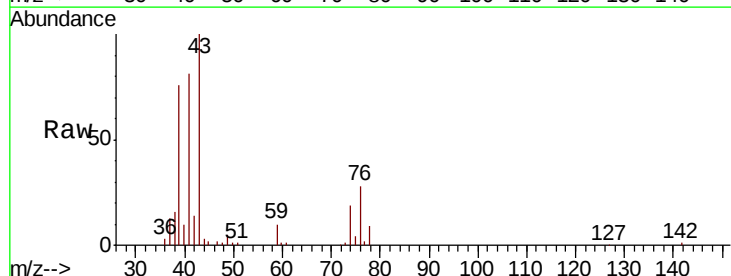


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

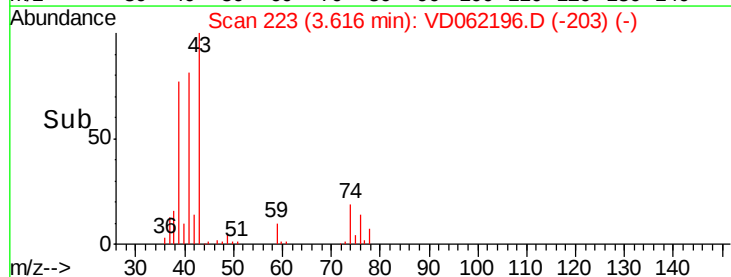
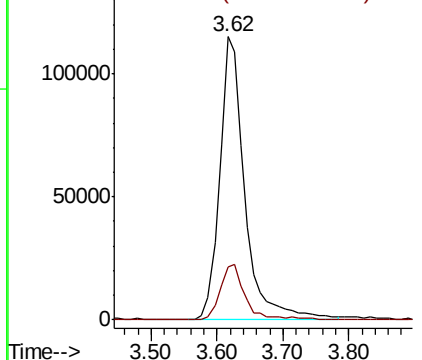


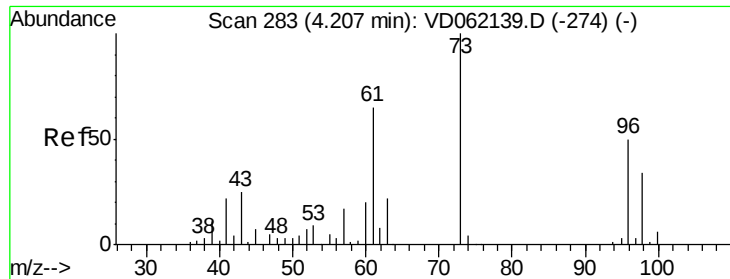
#18
Methyl Acetate
Concen: 188.119 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 43 Resp: 306265
Ion Ratio Lower Upper
43 100
74 18.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

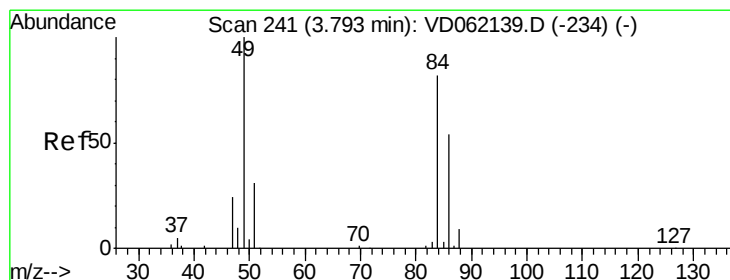
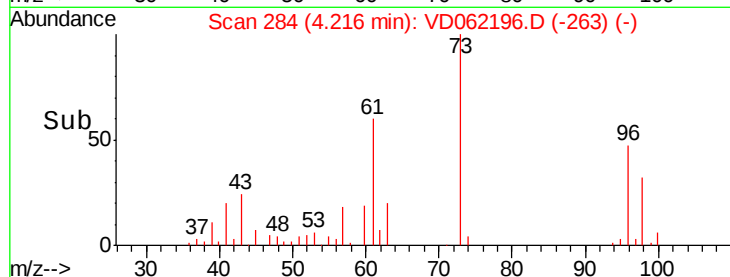
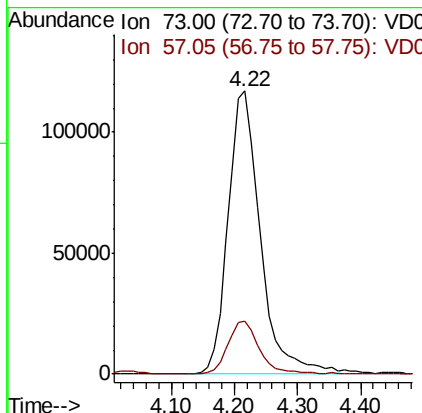
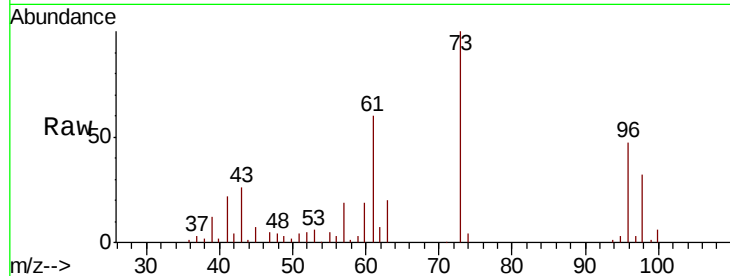




#19
Methyl tert-butyl Ether
Concen: 54.000 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

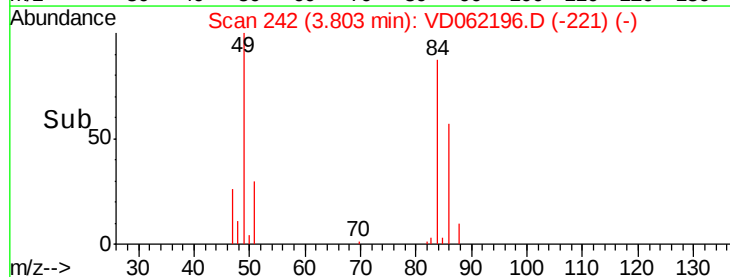
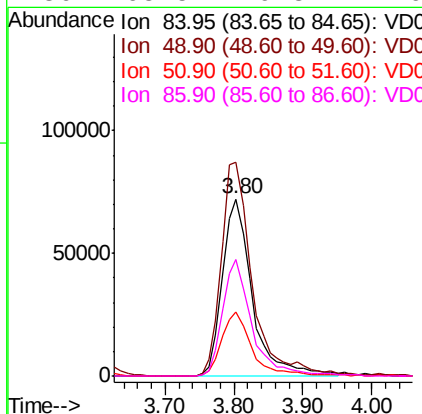
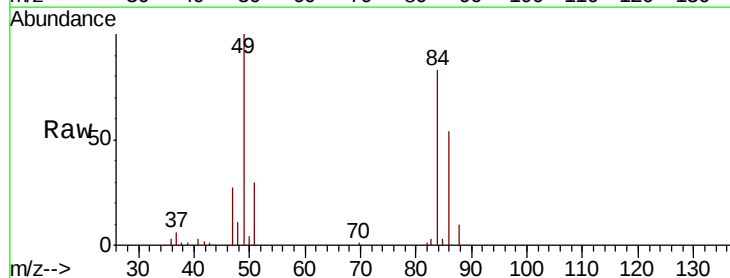
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

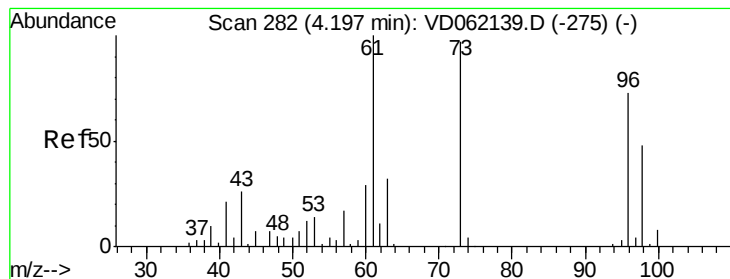
Tgt Ion: 73 Resp: 414071
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 56.954 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 84 Resp: 217438
Ion Ratio Lower Upper
84 100
49 120.5 94.0 141.0
51 36.3 29.0 43.4
86 65.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 55.798 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

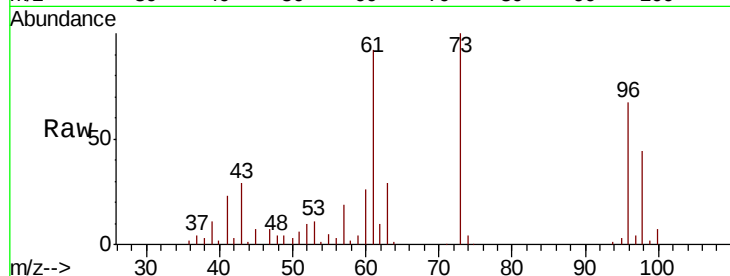
Tgt Ion: 96 Resp: 222123

Ion Ratio Lower Upper

96 100

61 138.7 104.4 156.6

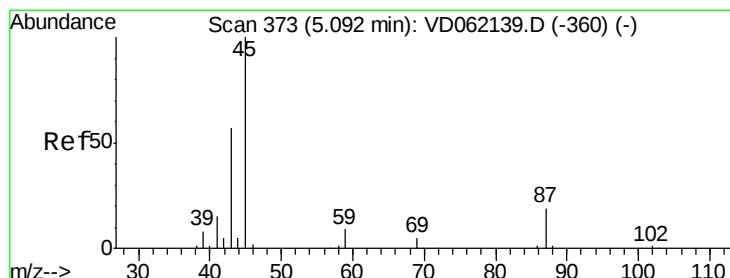
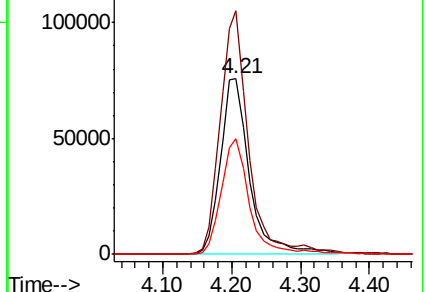
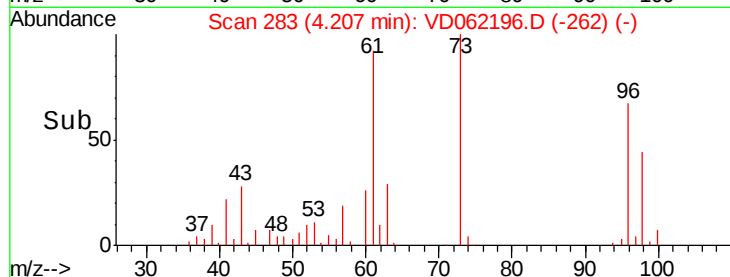
98 65.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.930 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion: 45 Resp: 619082

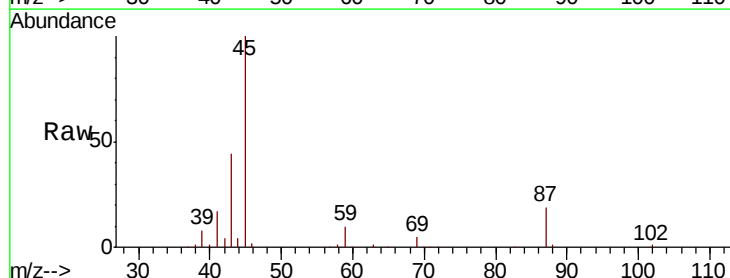
Ion Ratio Lower Upper

45 100

43 43.8 46.2 69.2#

87 19.2 15.9 23.9

59 10.1 7.9 11.9

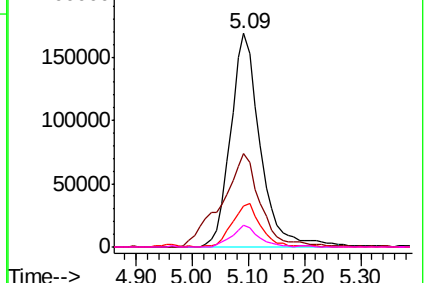
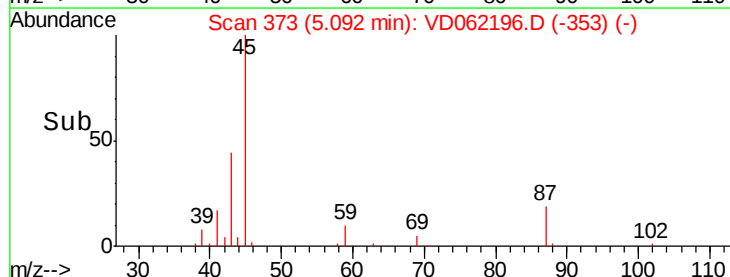


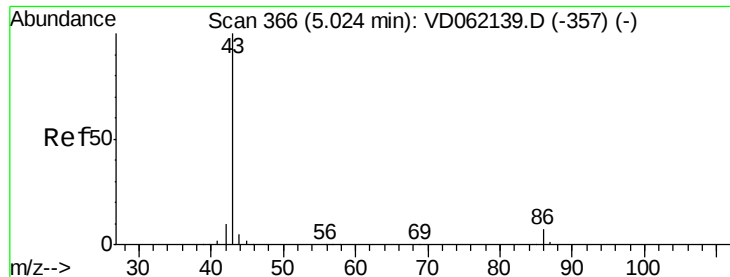
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 58.613 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.07 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

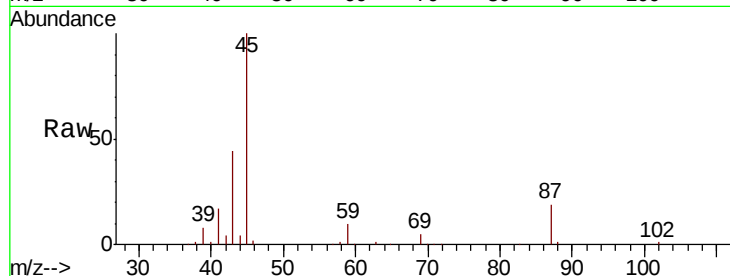
P026-SS002-1218-01MSD

Tgt Ion: 43 Resp: 342299

Ion Ratio Lower Upper

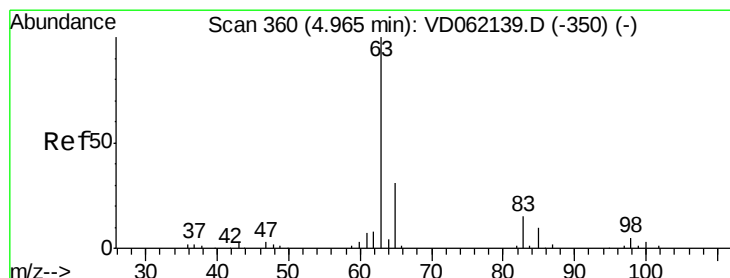
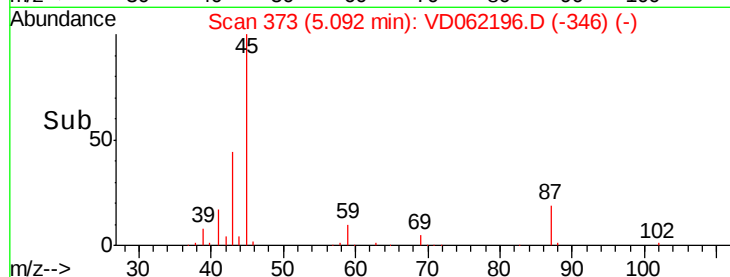
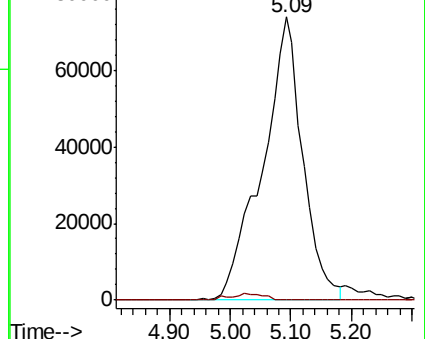
43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.636 ug/l

RT: 4.96 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

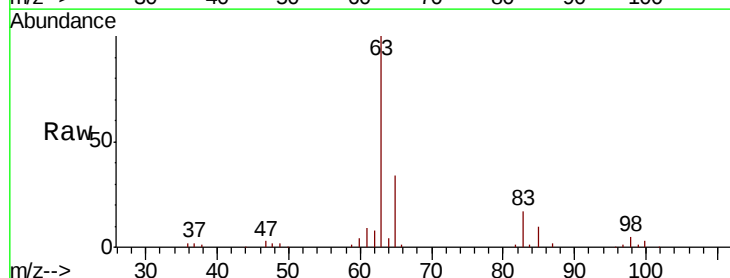
Tgt Ion: 63 Resp: 371503

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

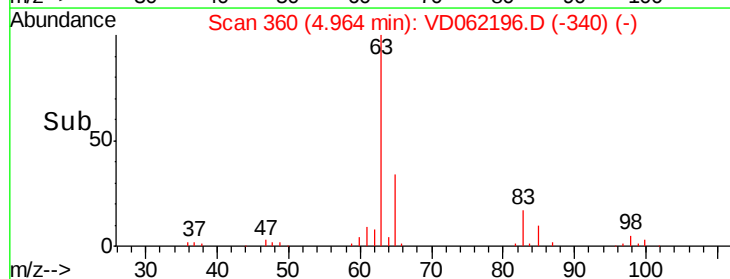
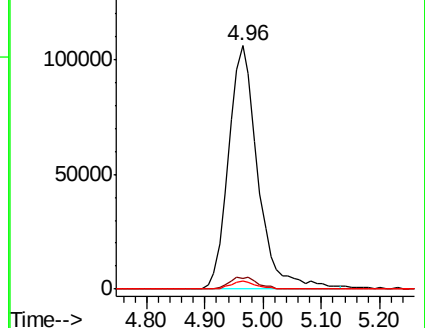
100 3.4 1.8 5.5

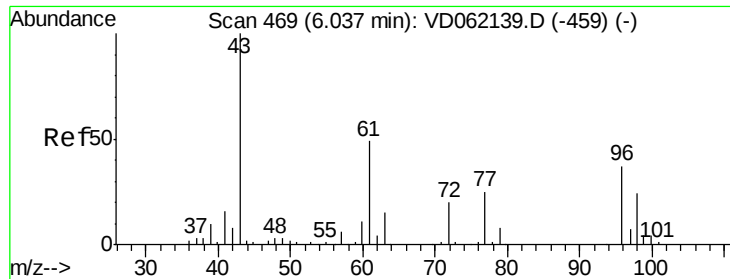


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 209.073 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

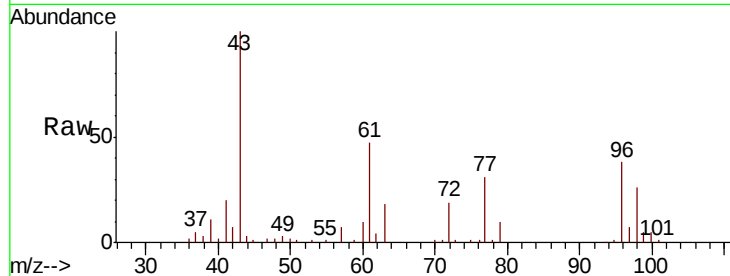
P026-SS002-1218-01MSD

Tgt Ion: 43 Resp: 208520

Ion Ratio Lower Upper

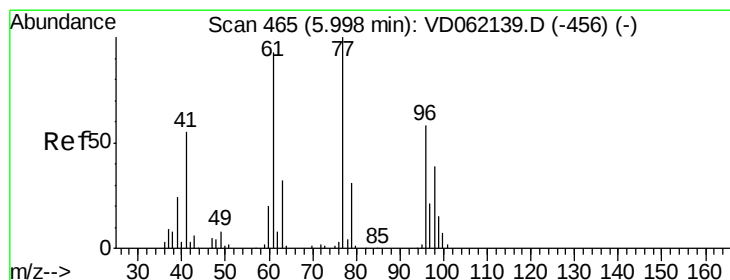
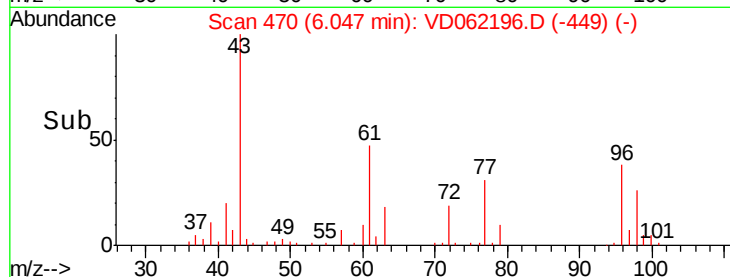
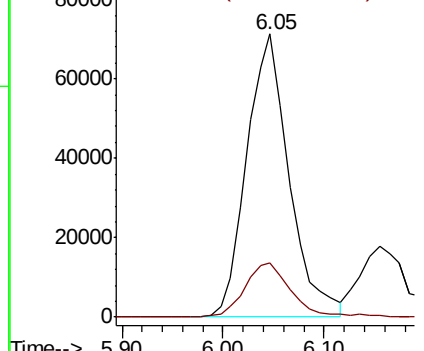
43 100

72 19.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.673 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD062196.D

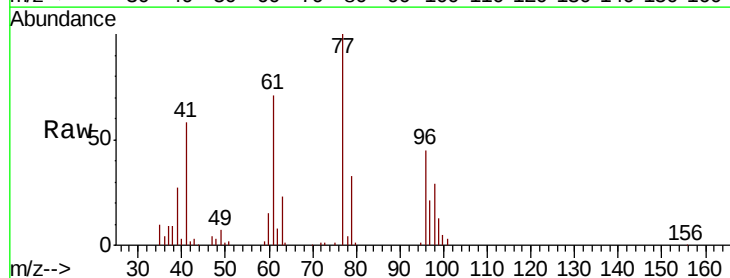
Acq: 9 May 2019 19:01

Tgt Ion: 77 Resp: 370303

Ion Ratio Lower Upper

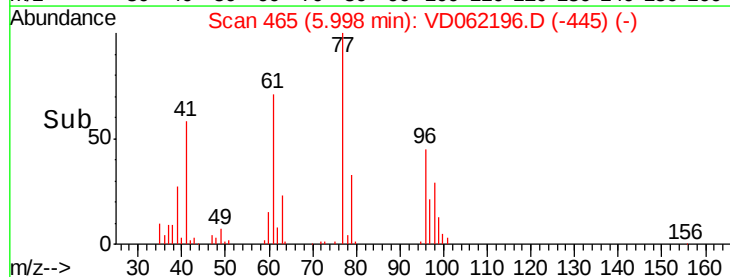
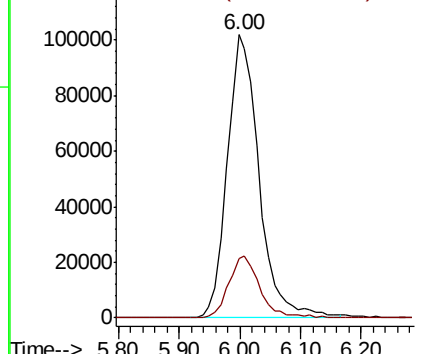
77 100

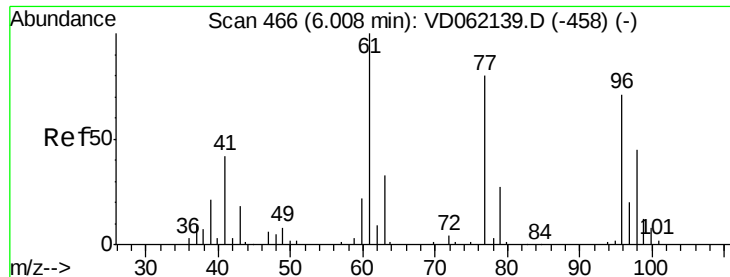
97 21.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



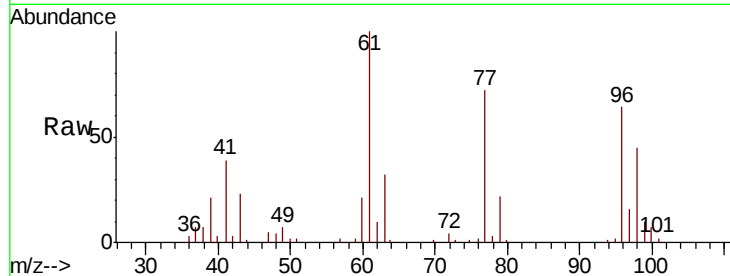


#27

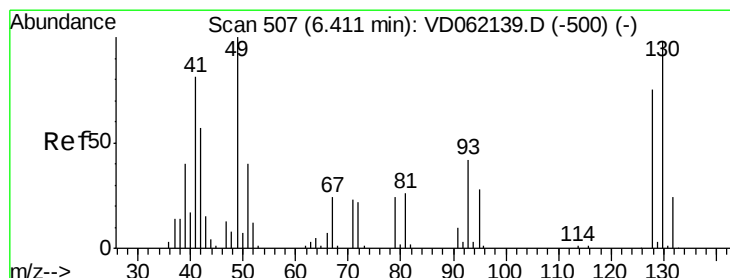
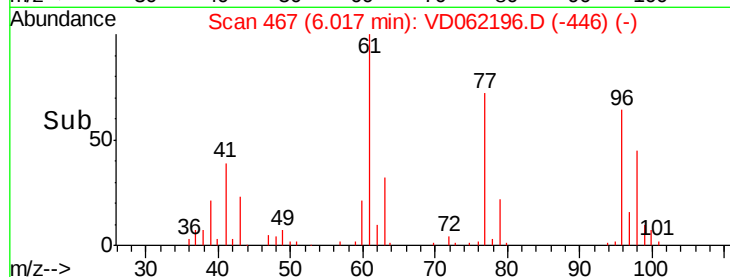
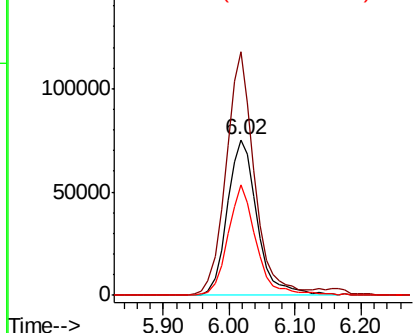
cis-1,2-Dichloroethene
 Concen: 53.490 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion: 96 Resp: 238345
 Ion Ratio Lower Upper
 96 100
 61 156.5 0.0 279.8
 98 70.8 0.0 136.0



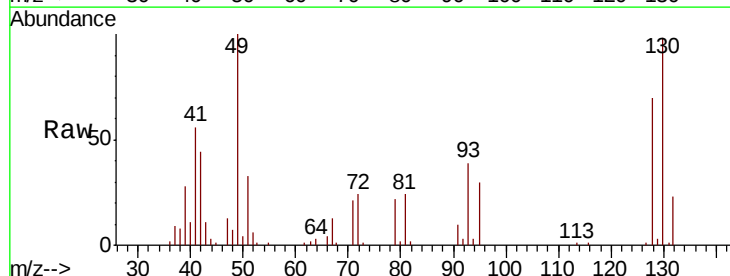
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



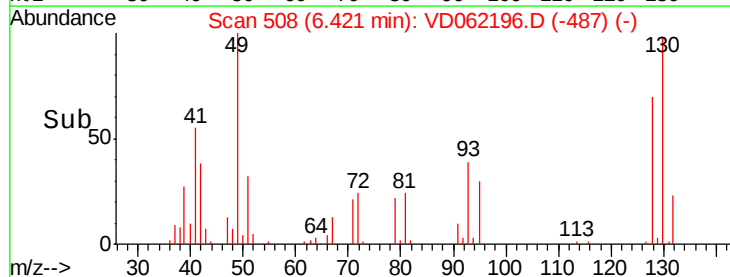
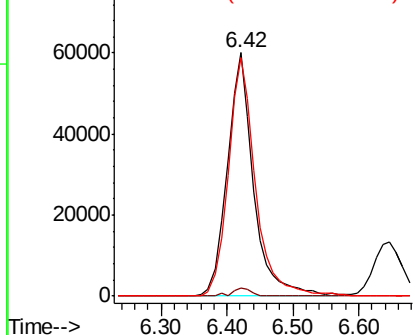
#28

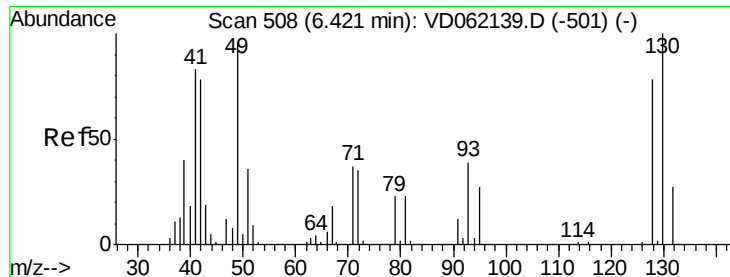
Bromochloromethane
 Concen: 63.667 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 49 Resp: 167260
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 6.6
 130 98.2 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

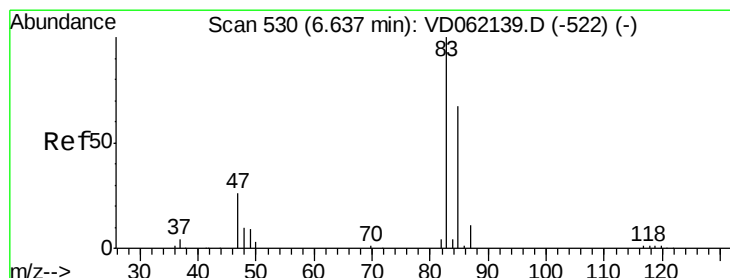
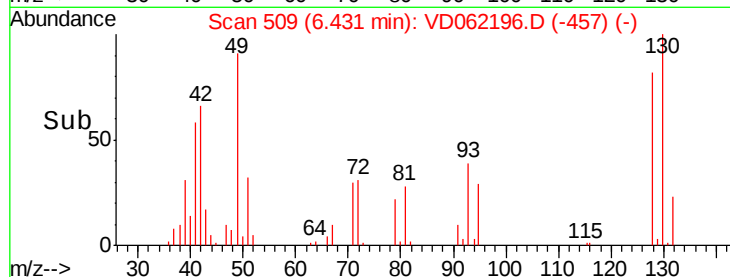
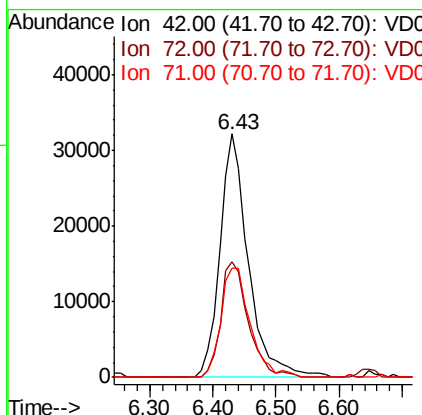
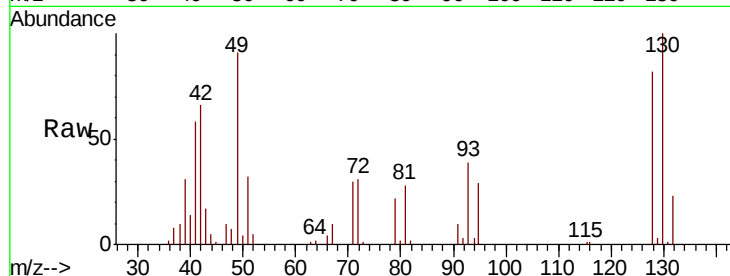




#29
Tetrahydrofuran
Concen: 218.567 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

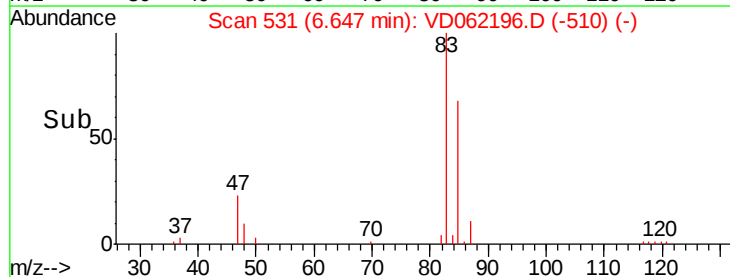
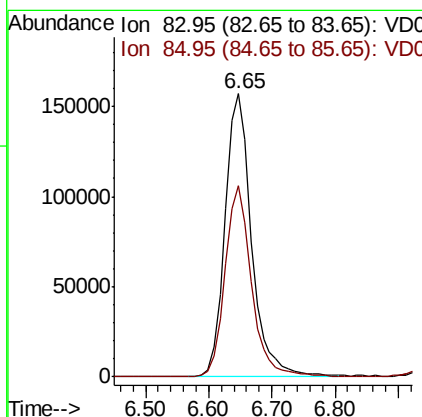
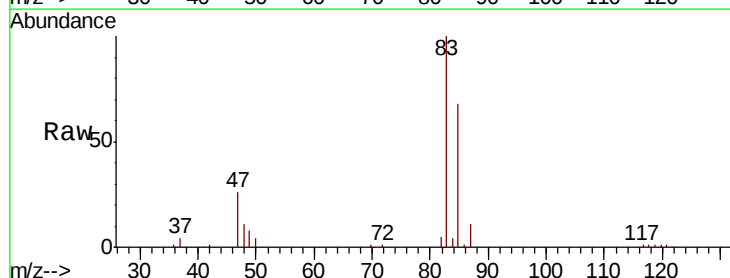
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

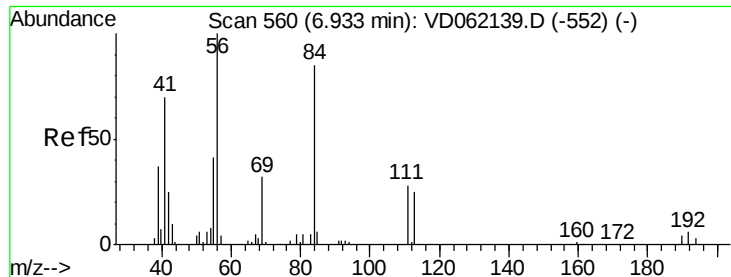
Tgt Ion: 42 Resp: 100440
Ion Ratio Lower Upper
42 100
72 46.3 37.8 56.6
71 46.5 36.7 55.1



#30
Chloroform
Concen: 56.824 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 83 Resp: 457284
Ion Ratio Lower Upper
83 100
85 67.7 51.7 77.5

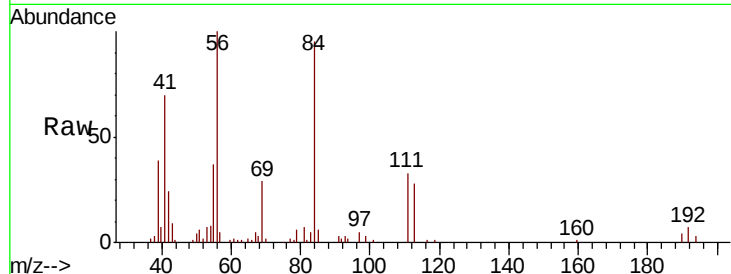




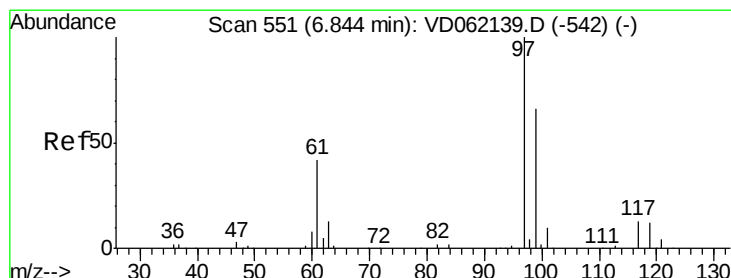
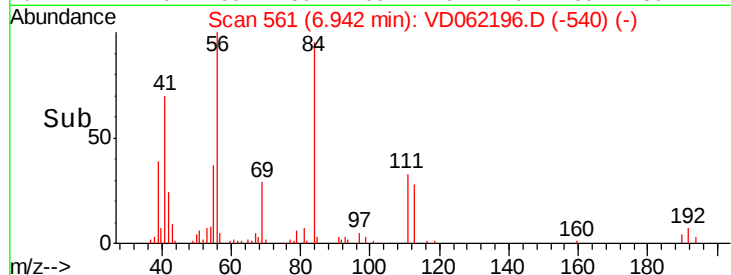
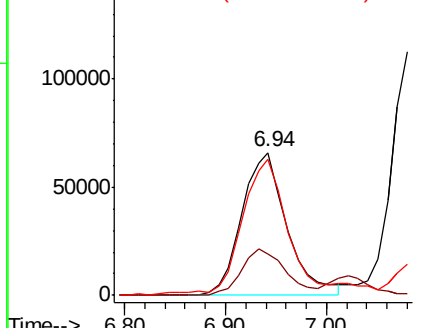
#31
Cyclohexane
Concen: 44.689 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tgt Ion: 56 Resp: 204440
Ion Ratio Lower Upper
56 100
69 29.3 25.8 38.6
84 95.3 72.2 108.4

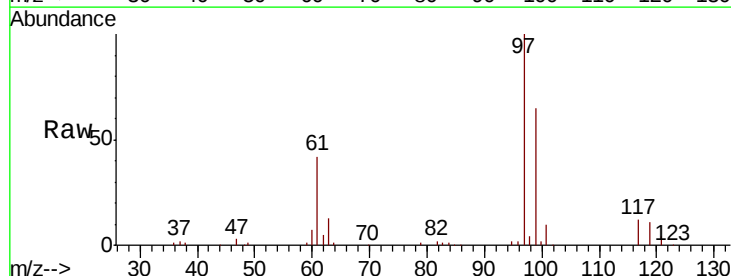


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

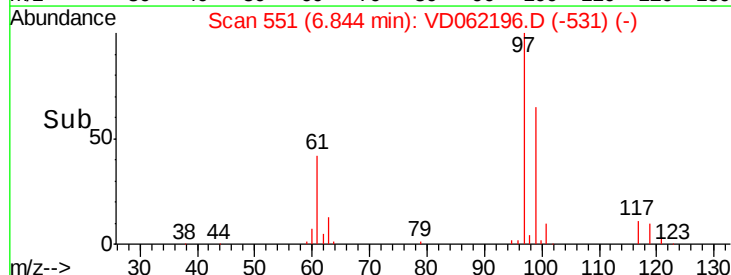
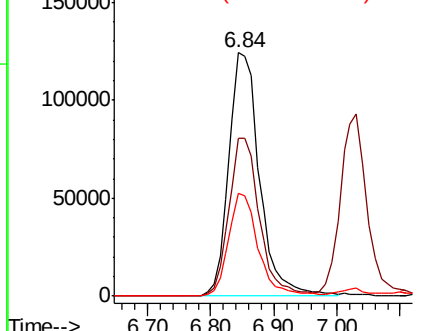


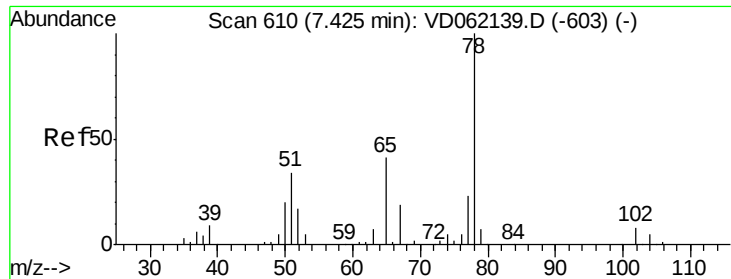
#32
1,1,1-Trichloroethane
Concen: 54.984 ug/l
RT: 6.84 min Scan# 551
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 97 Resp: 418224
Ion Ratio Lower Upper
97 100
99 64.7 52.2 78.2
61 42.2 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.192 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

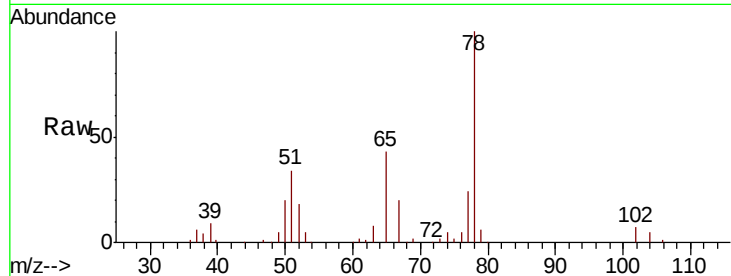
P026-SS002-1218-01MSD

Tgt Ion: 65 Resp: 262444

Ion Ratio Lower Upper

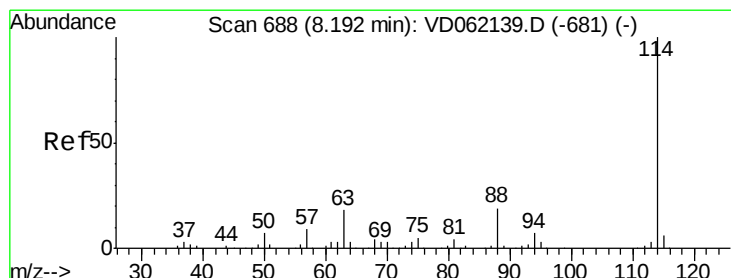
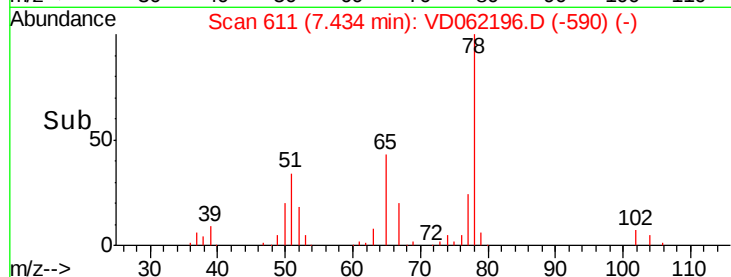
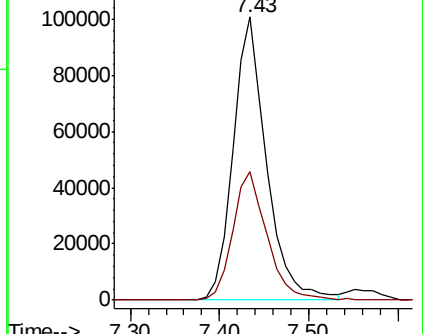
65 100

67 45.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

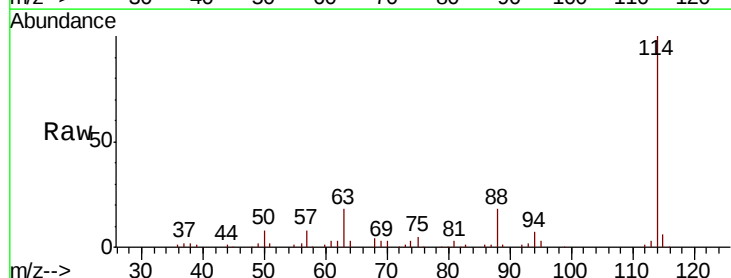
Tgt Ion: 114 Resp: 641751

Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.4

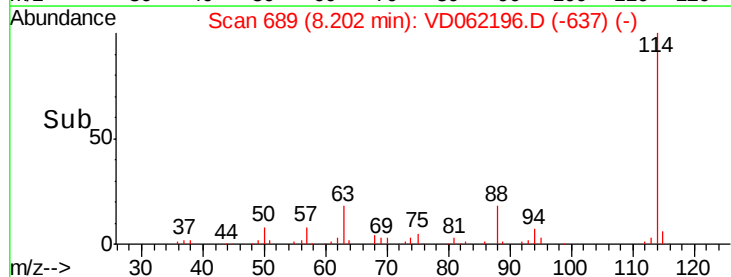
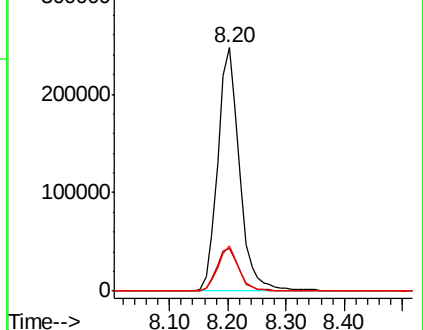
88 18.5 0.0 33.6

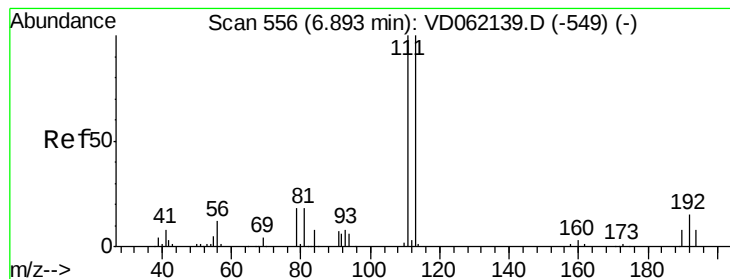


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 62.188 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

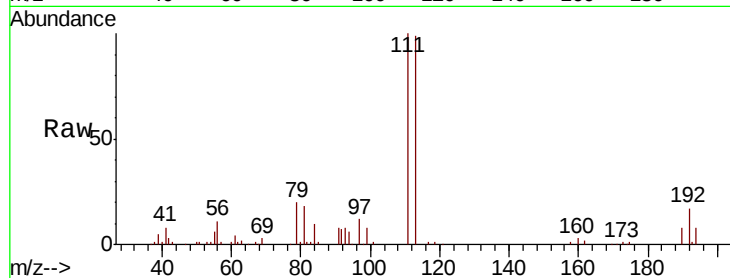
Tgt Ion: 113 Resp: 331131

Ion Ratio Lower Upper

113 100

111 101.1 78.5 117.7

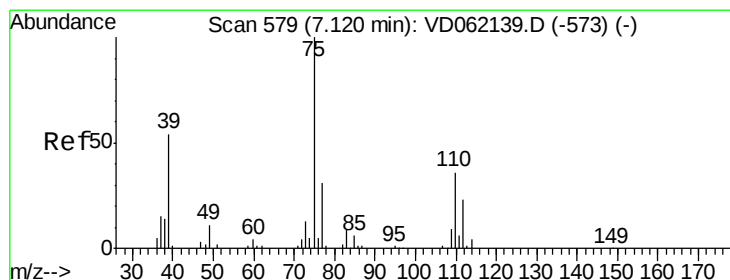
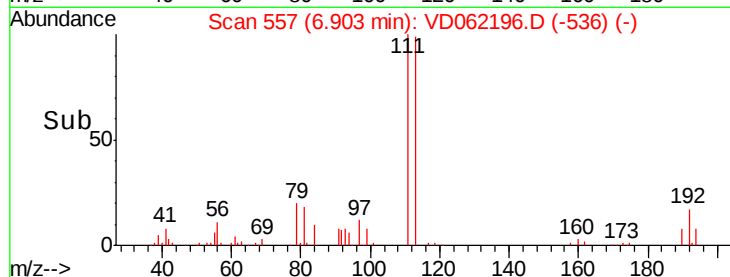
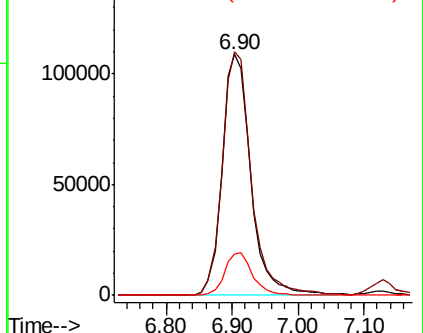
192 17.0 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.879 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

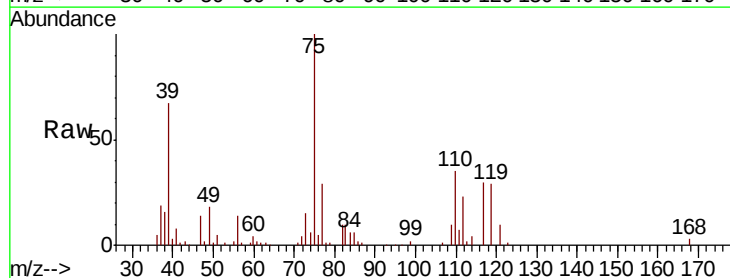
Tgt Ion: 75 Resp: 262450

Ion Ratio Lower Upper

75 100

110 35.5 19.1 57.1

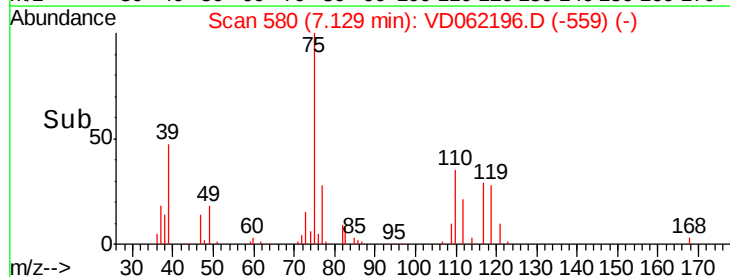
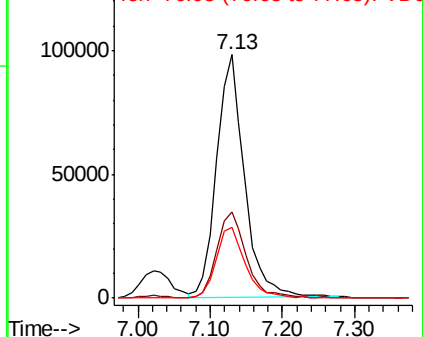
77 29.1 25.6 38.4

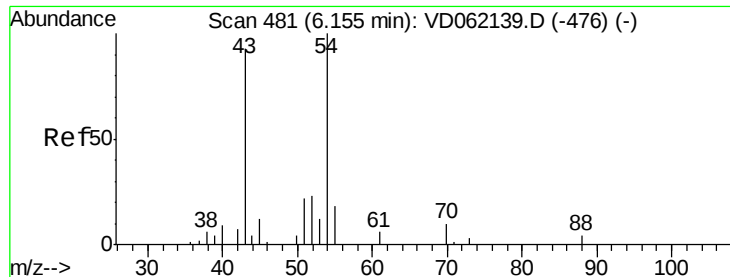


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 27.244 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

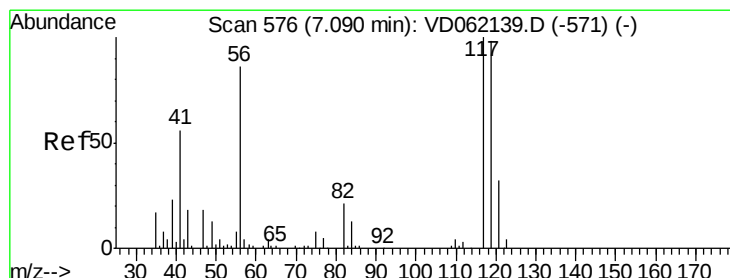
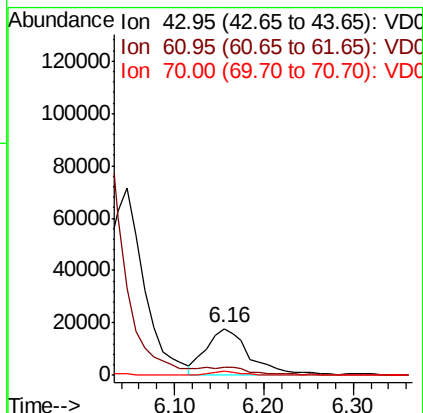
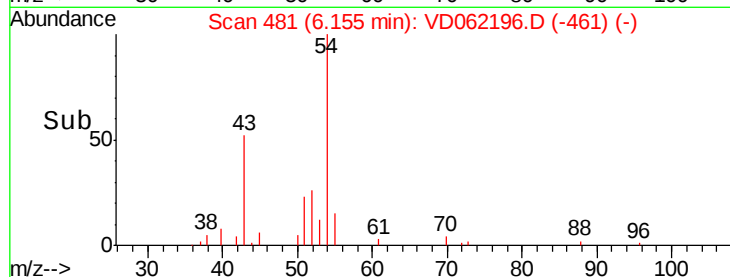
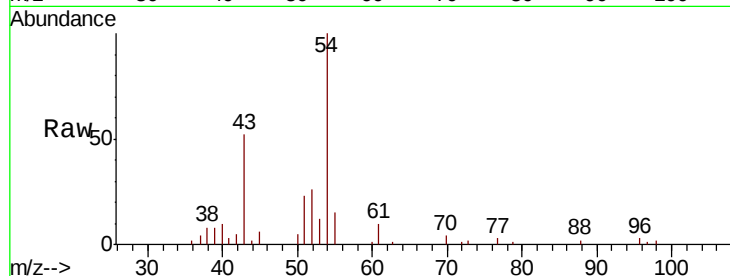
Tgt Ion: 43 Resp: 60793

Ion Ratio Lower Upper

43 100

61 18.2 14.7 22.1

70 8.0 7.8 11.6



#38

Carbon Tetrachloride

Concen: 61.813 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

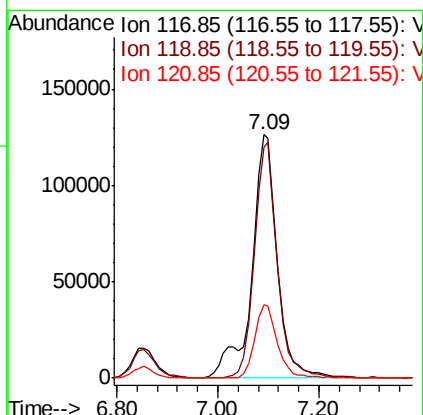
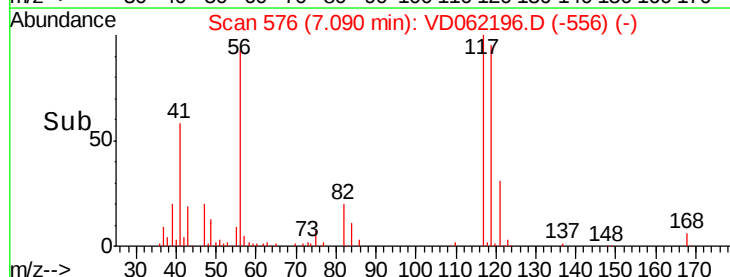
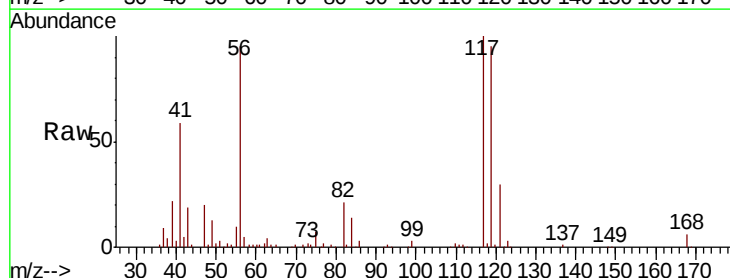
Tgt Ion: 117 Resp: 450166

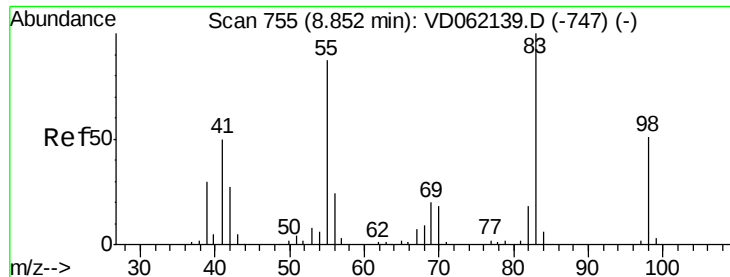
Ion Ratio Lower Upper

117 100

119 94.9 75.8 113.8

121 30.2 25.9 38.9

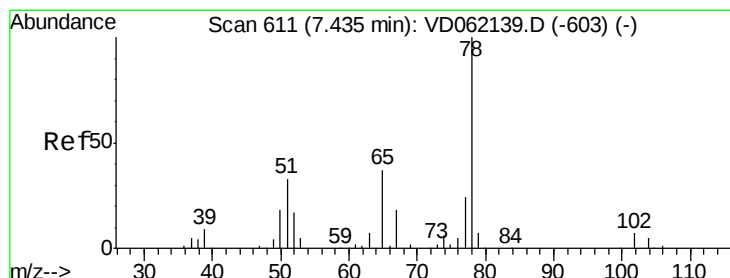
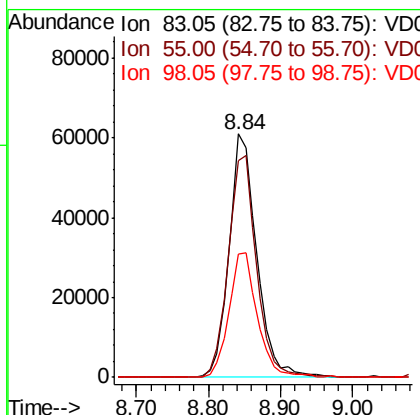
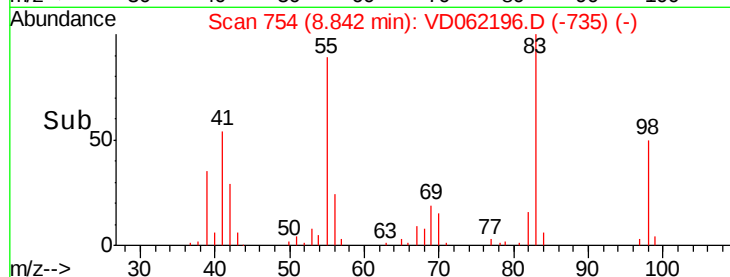
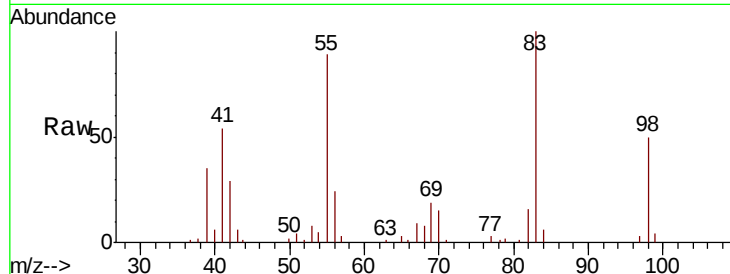




#39
Methylcyclohexane
Concen: 32.254 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

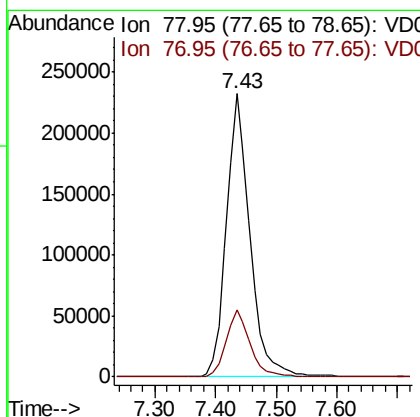
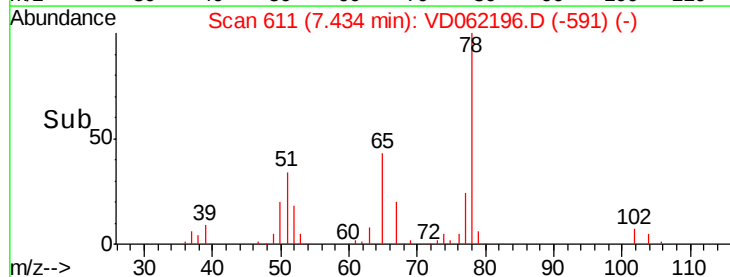
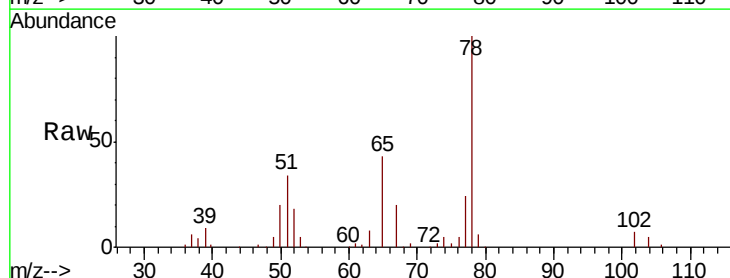
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

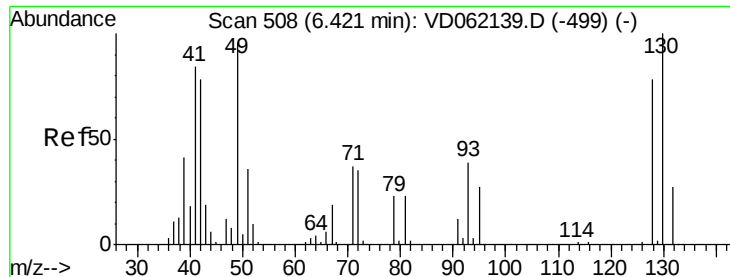
Tgt Ion: 83 Resp: 162606
Ion Ratio Lower Upper
83 100
55 88.8 68.2 102.4
98 50.4 38.2 57.4



#40
Benzene
Concen: 52.686 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 78 Resp: 625999
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5

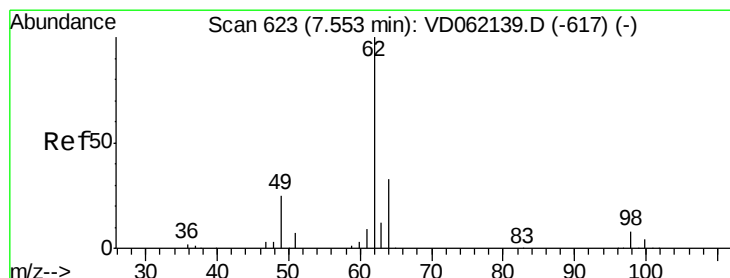
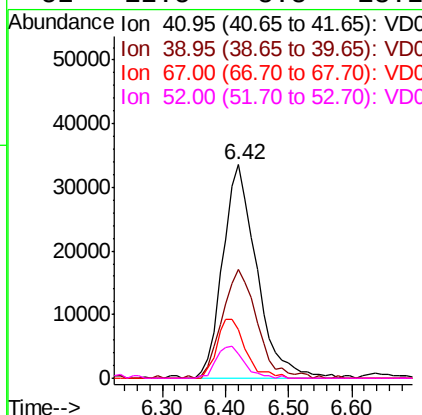
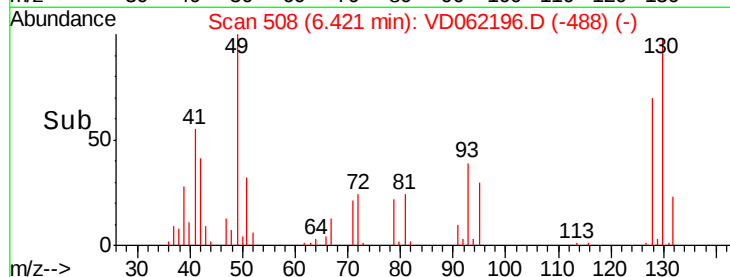
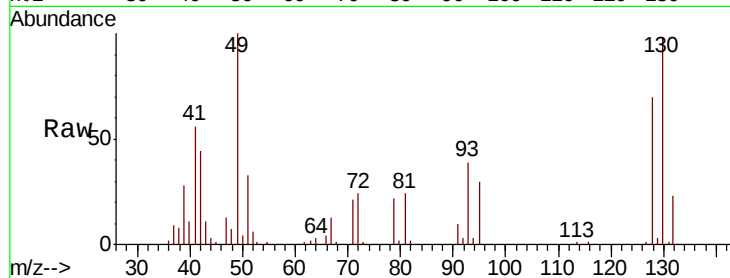




#41
Methacrylonitrile
Concen: 45.992 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

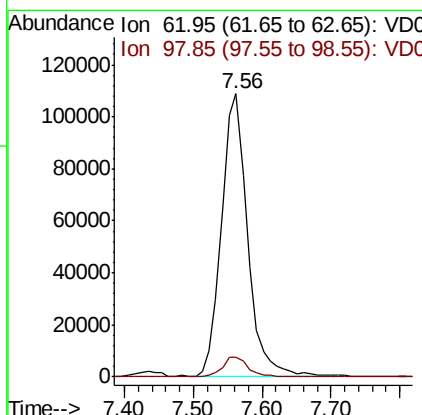
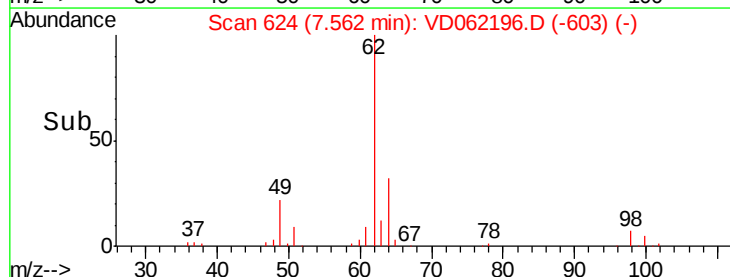
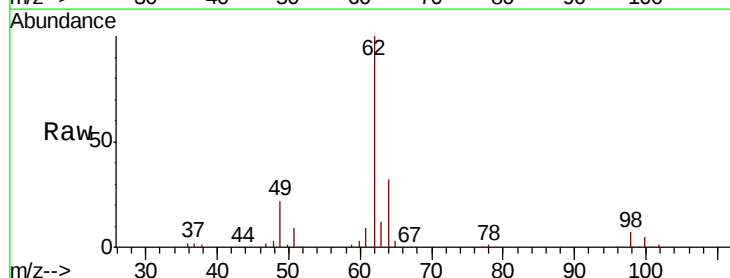
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

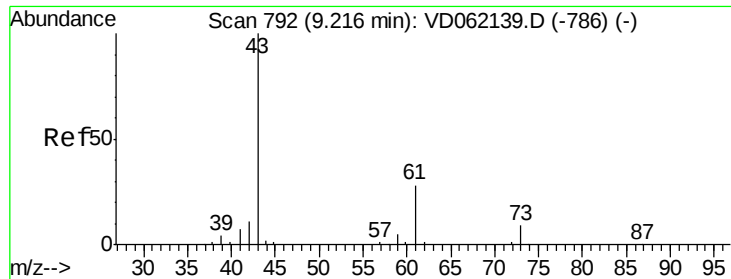
Tgt Ion: 41 Resp: 125417
Ion Ratio Lower Upper
41 100
39 50.9 34.1 51.1
67 23.0 23.8 35.6#
52 12.5 8.8 13.2



#42
1,2-Dichloroethane
Concen: 57.208 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 62 Resp: 287989
Ion Ratio Lower Upper
62 100
98 6.8 0.0 17.8



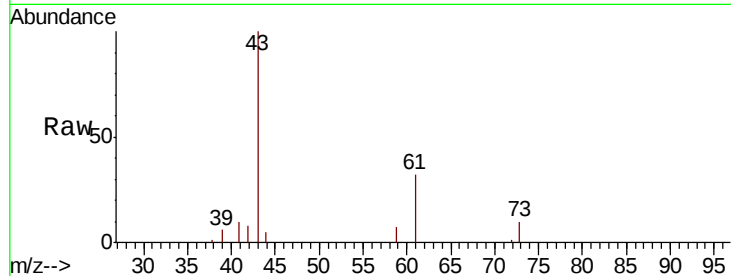


#43

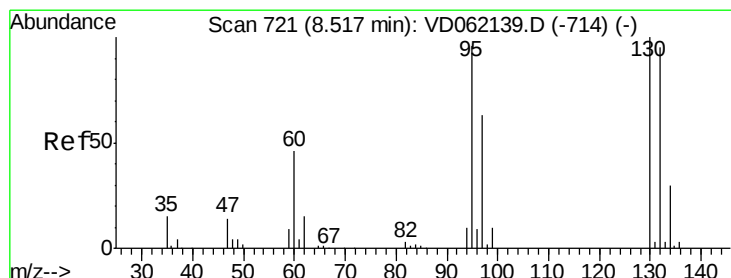
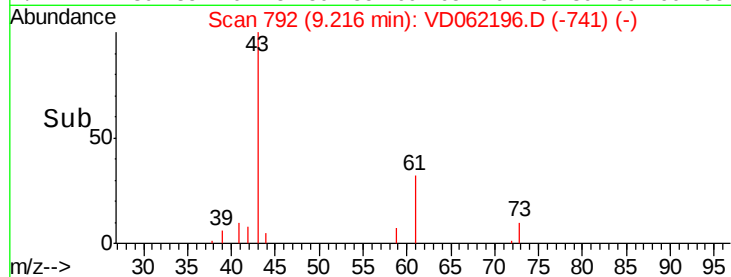
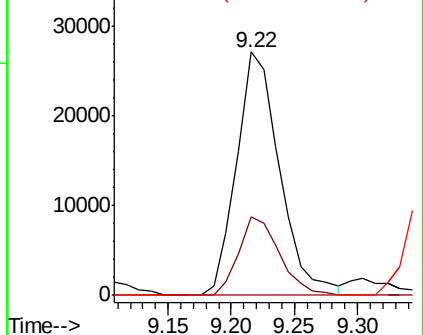
Isopropyl Acetate
 Concen: 20.440 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion: 43 Resp: 64685
 Ion Ratio Lower Upper
 43 100
 61 32.2 25.1 37.7
 87 0.0 0.0 0.0



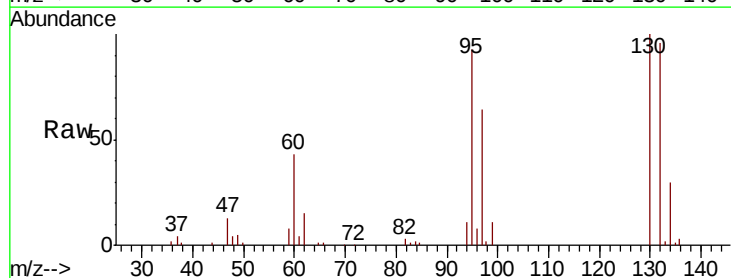
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



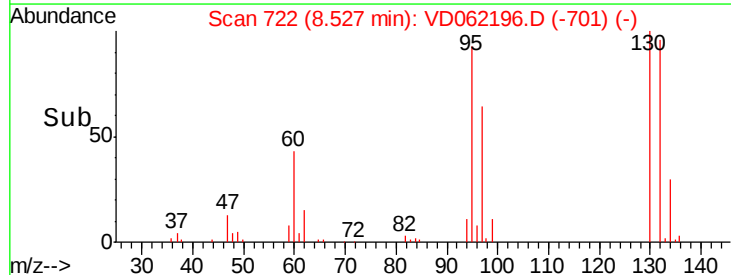
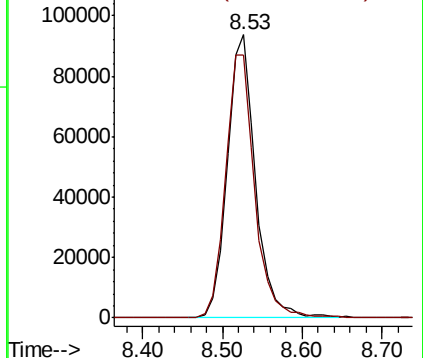
#44

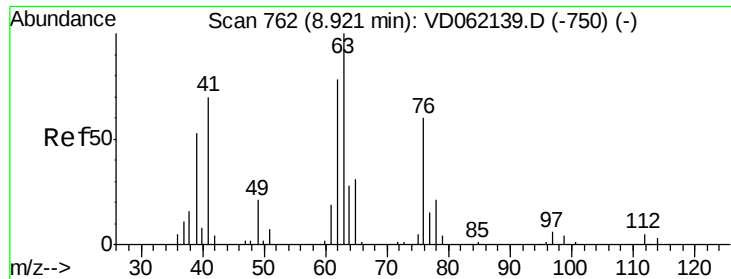
Trichloroethene
 Concen: 51.044 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 130 Resp: 231103
 Ion Ratio Lower Upper
 130 100
 95 92.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

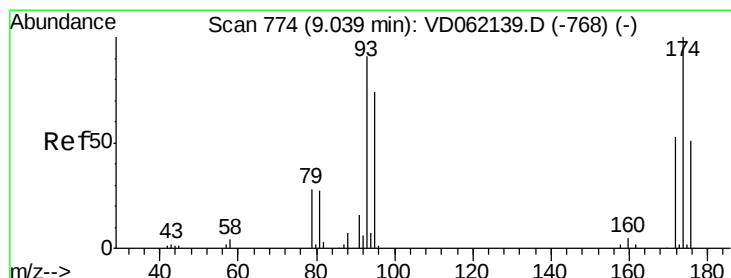
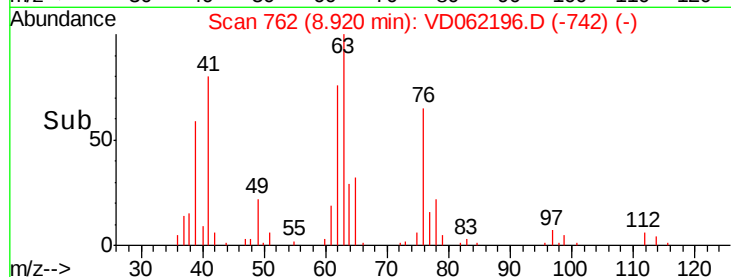
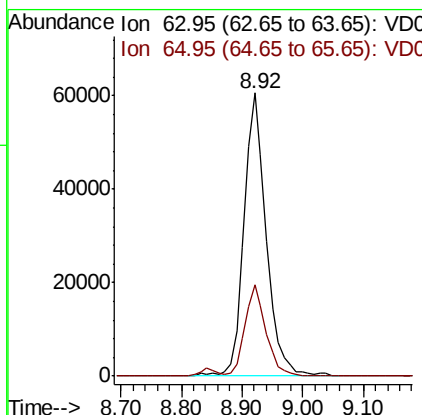
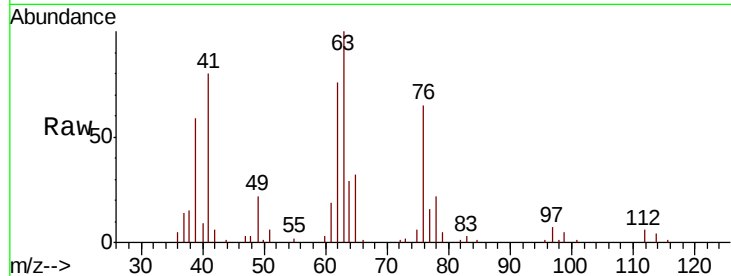




#45
 1,2-Dichloropropane
 Concen: 52.458 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

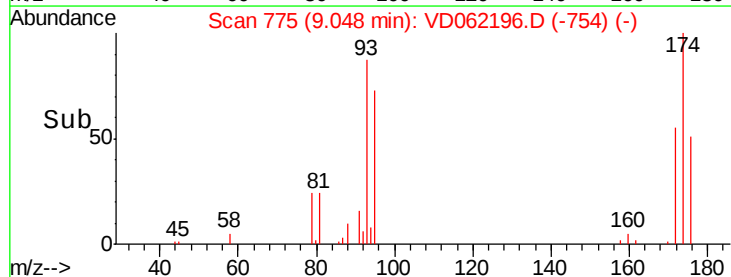
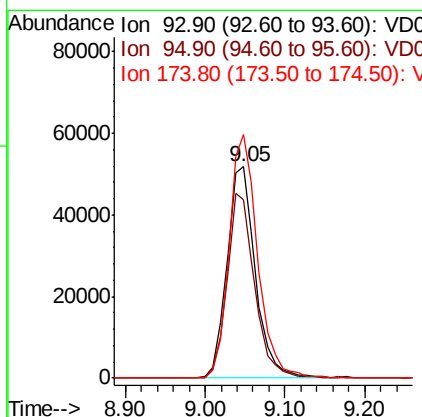
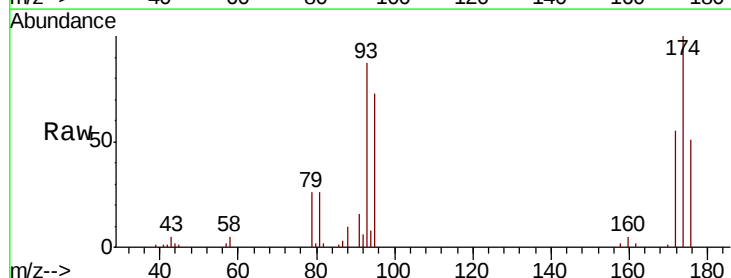
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

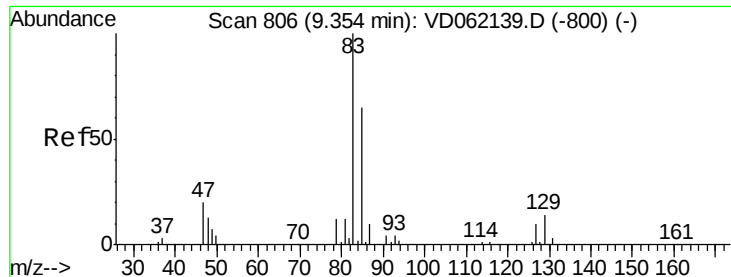
Tgt Ion: 63 Resp: 154172
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.8 35.6



#46
 Dibromomethane
 Concen: 54.208 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 93 Resp: 129551
 Ion Ratio Lower Upper
 93 100
 95 84.5 64.8 97.2
 174 115.3 79.3 118.9





#47

Bromodichloromethane

Concen: 57.077 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

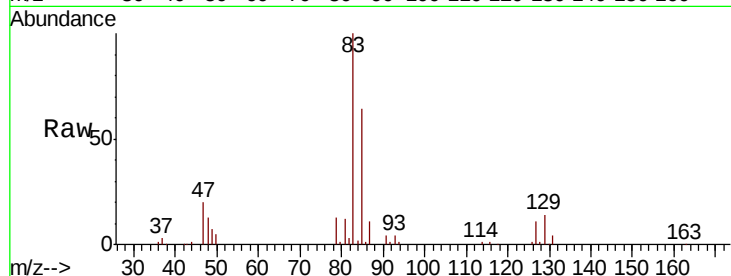
Tgt Ion: 83 Resp: 333661

Ion Ratio Lower Upper

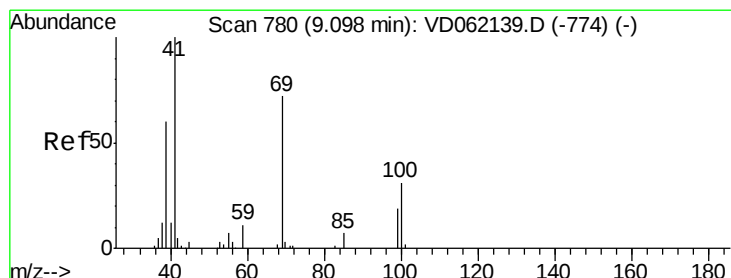
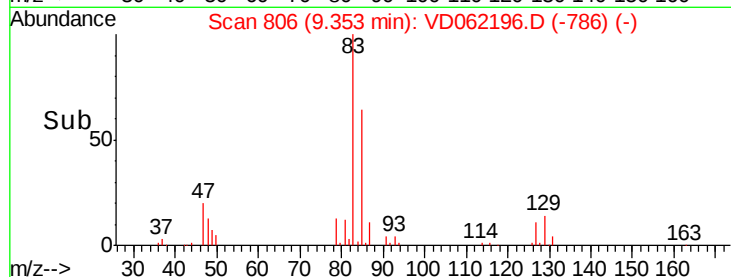
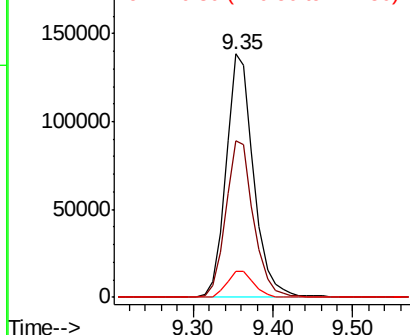
83 100

85 64.2 50.9 76.3

127 10.7 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 58.607 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

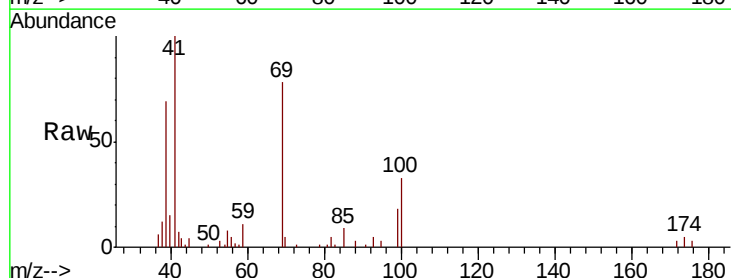
Tgt Ion: 41 Resp: 114244

Ion Ratio Lower Upper

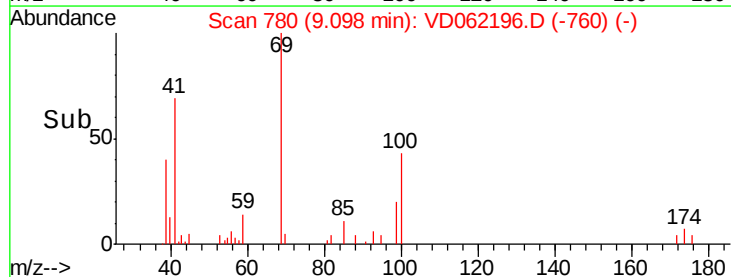
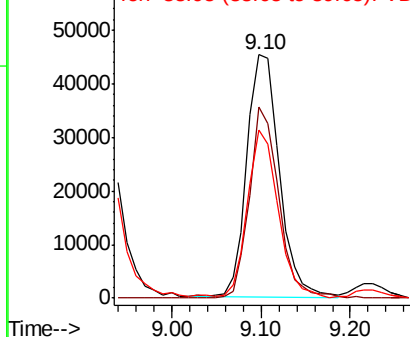
41 100

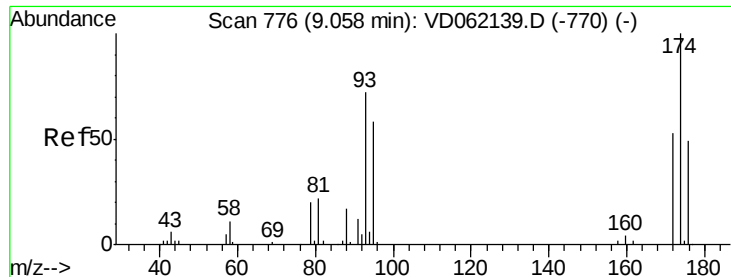
69 78.4 64.2 96.2

39 69.3 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

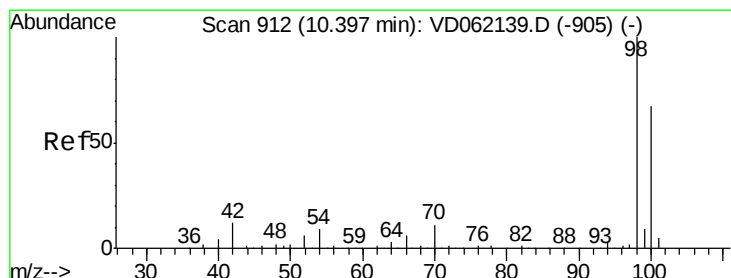
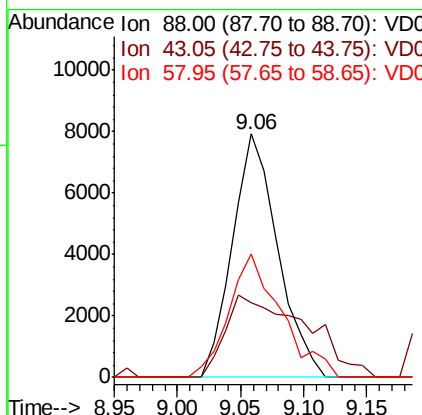
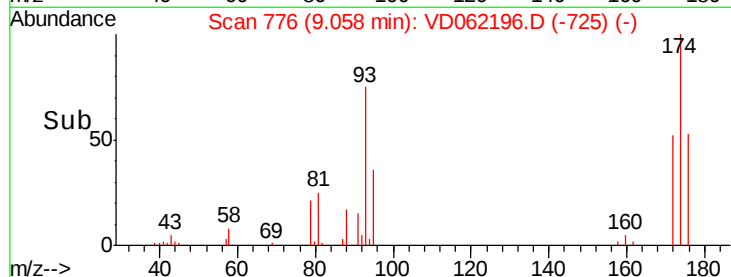
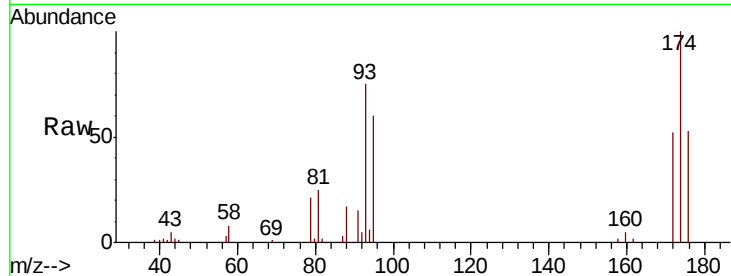




#49
1,4-Dioxane
Concen: 939.705 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

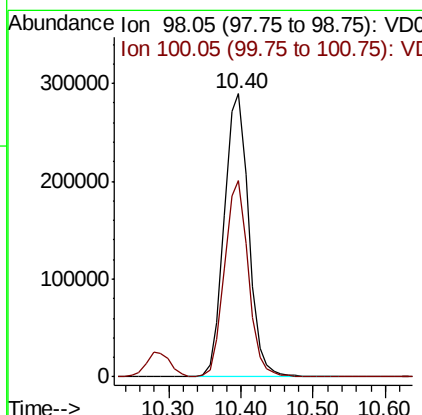
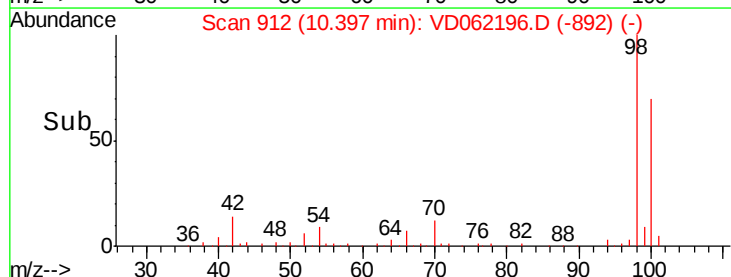
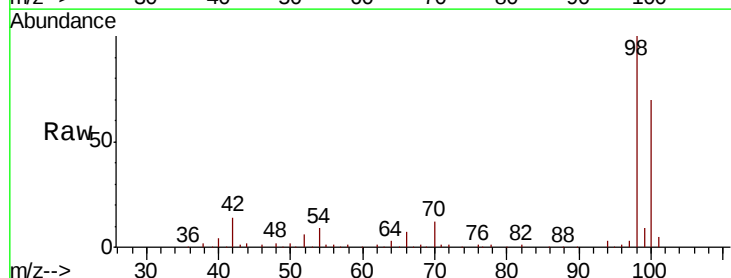
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

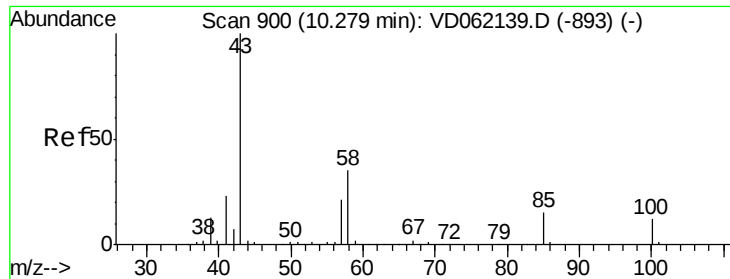
Tgt Ion: 88 Resp: 19764
Ion Ratio Lower Upper
88 100
43 30.7 23.4 35.0
58 50.7 44.0 66.0



#50
Toluene-d8
Concen: 53.066 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 98 Resp: 681270
Ion Ratio Lower Upper
98 100
100 69.5 53.8 80.8

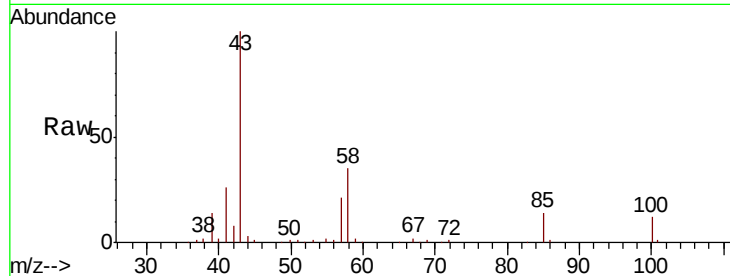




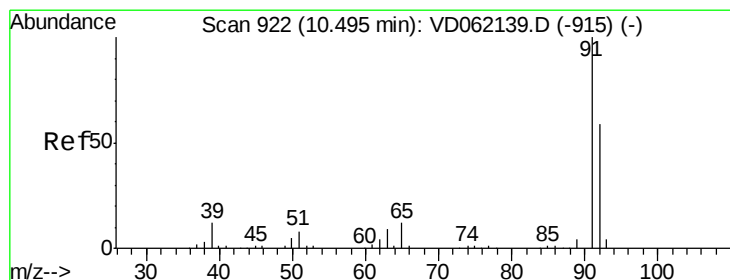
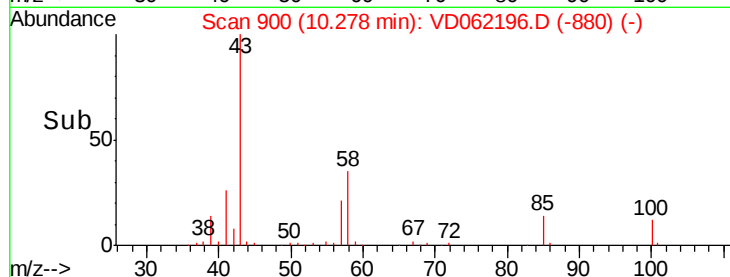
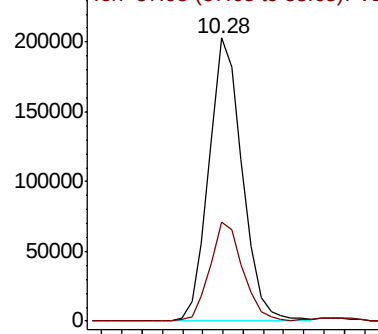
#51
 4-Methyl-2-Pentanone
 Concen: 229.582 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion: 43 Resp: 467034
 Ion Ratio Lower Upper
 43 100
 58 35.0 30.4 45.6

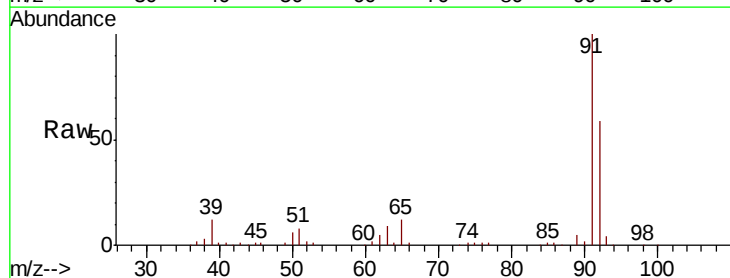


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

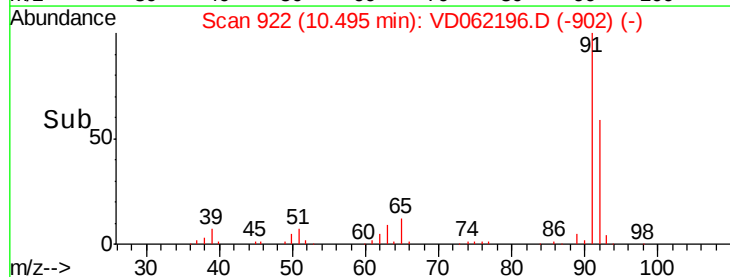
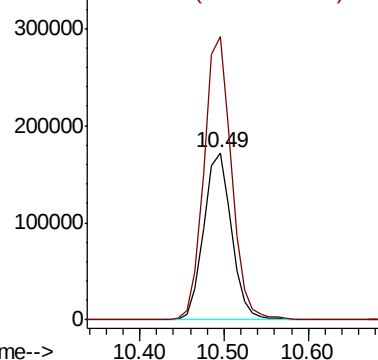


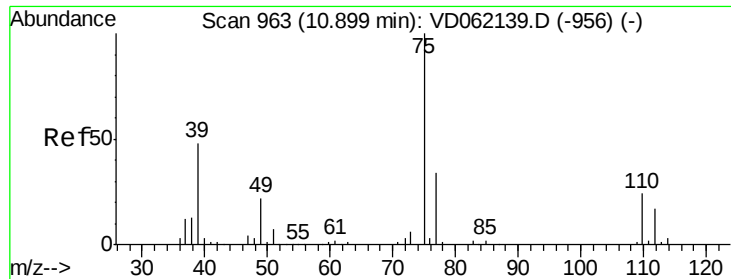
#52
 Toluene
 Concen: 51.122 ug/l
 RT: 10.49 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 92 Resp: 395206
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

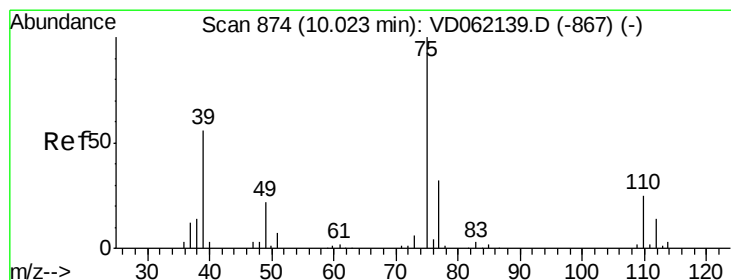
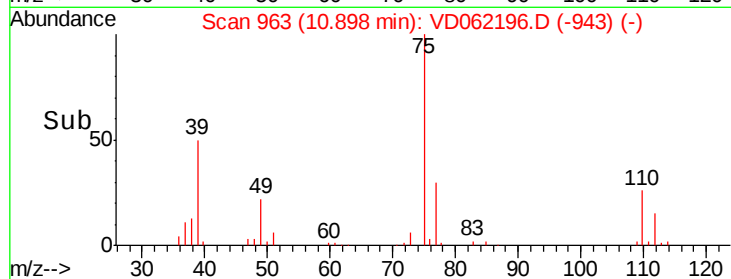
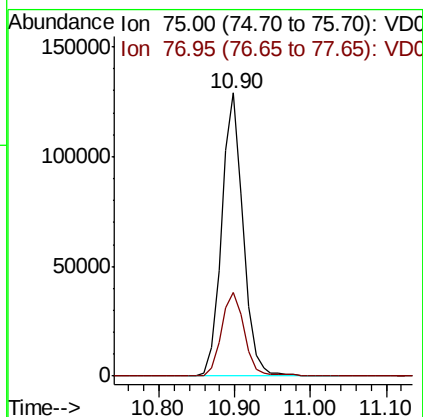
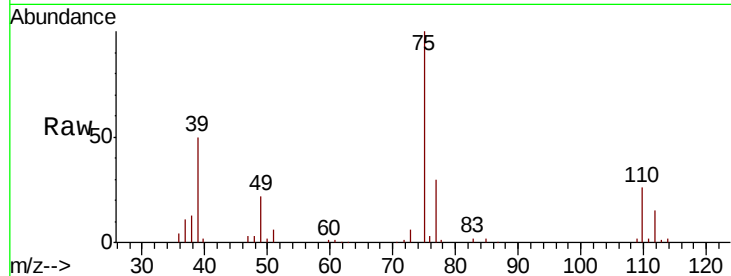




#53
 t-1,3-Dichloropropene
 Concen: 50.128 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

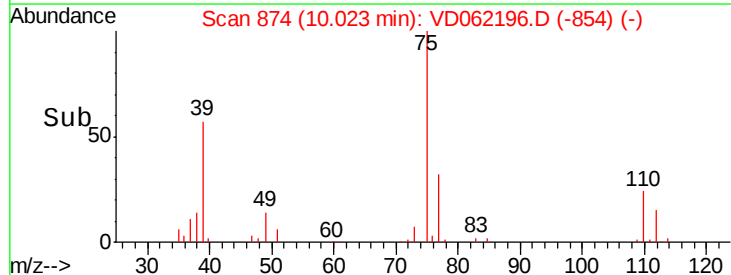
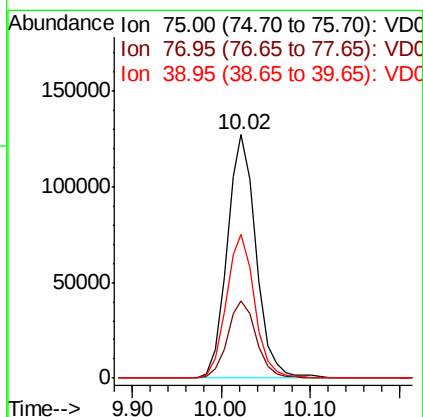
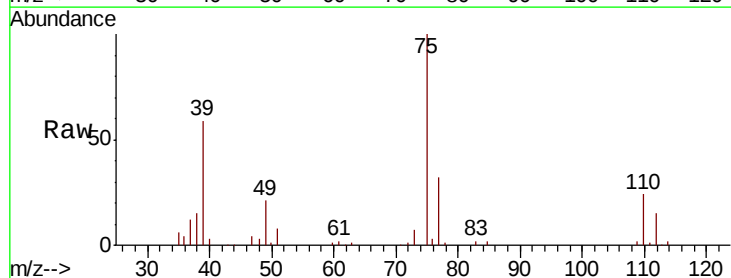
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

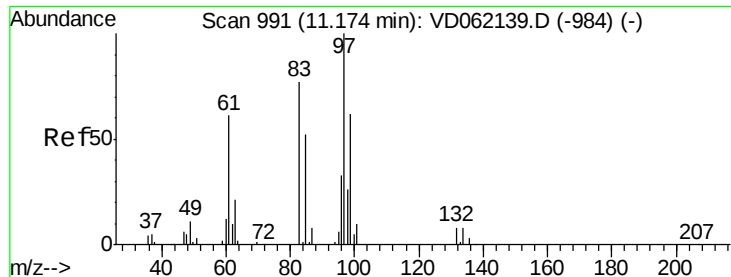
Tgt Ion: 75 Resp: 253265
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.439 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 75 Resp: 289032
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 58.8 39.4 59.2

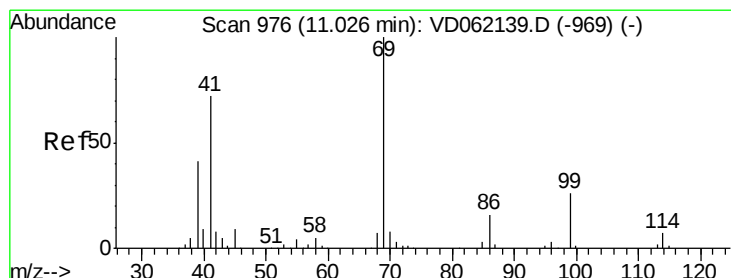
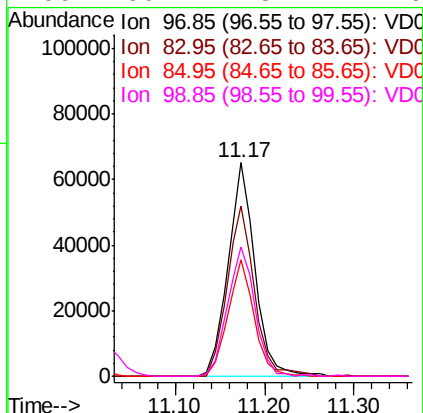
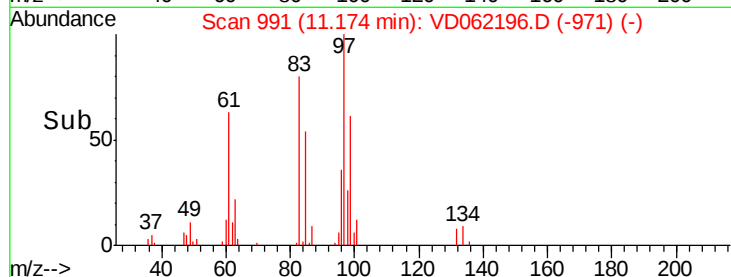
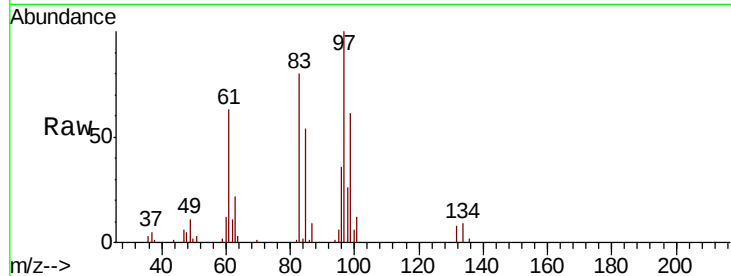




#55
 1,1,2-Trichloroethane
 Concen: 50.270 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

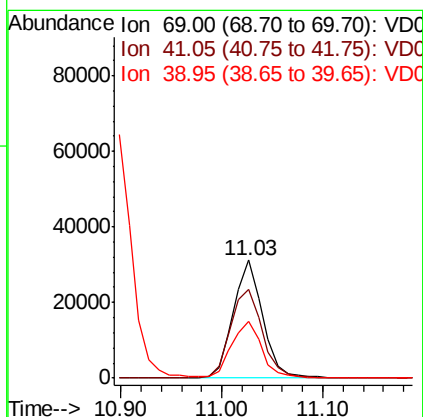
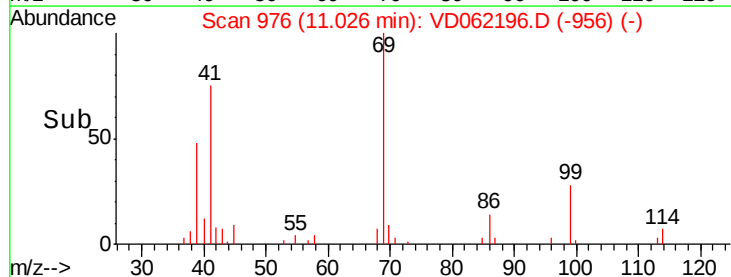
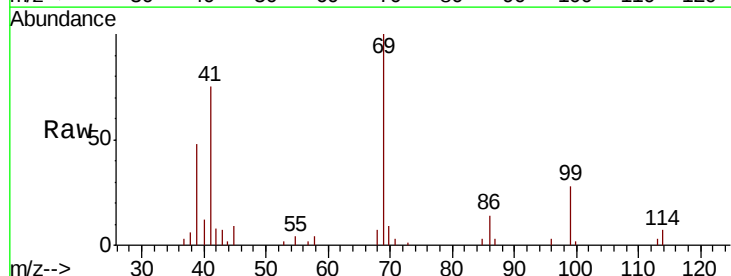
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

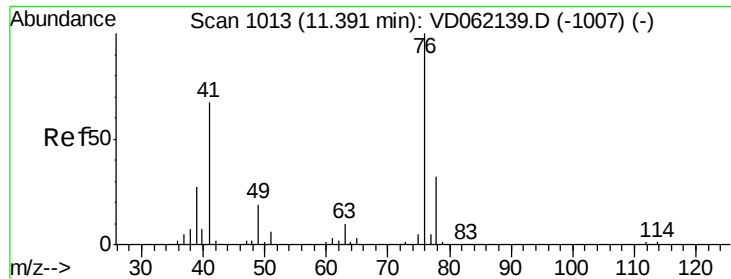
Tgt Ion:	97	Resp:	137502
Ion	Ratio	Lower	Upper
97	100		
83	79.6	65.7	98.5
85	54.3	45.6	68.4
99	60.7	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 22.241 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion:	69	Resp:	63216
Ion	Ratio	Lower	Upper
69	100		
41	74.9	56.3	84.5
39	48.4	29.4	44.2#

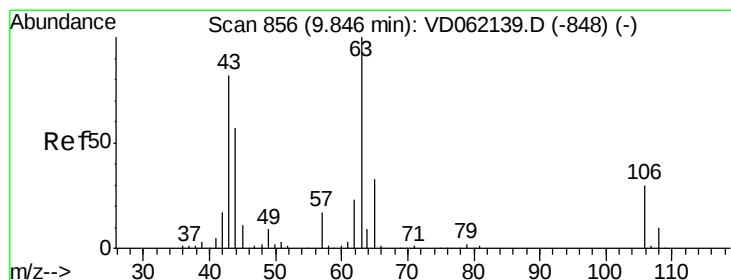
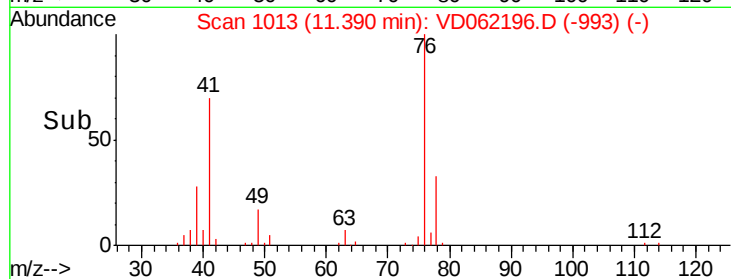
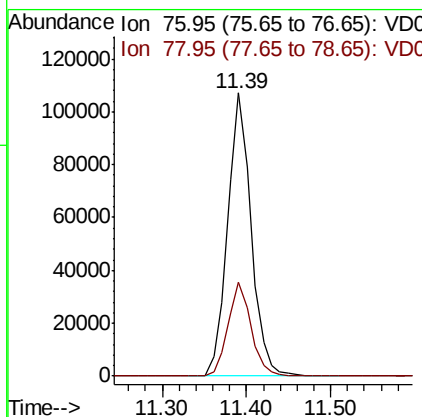
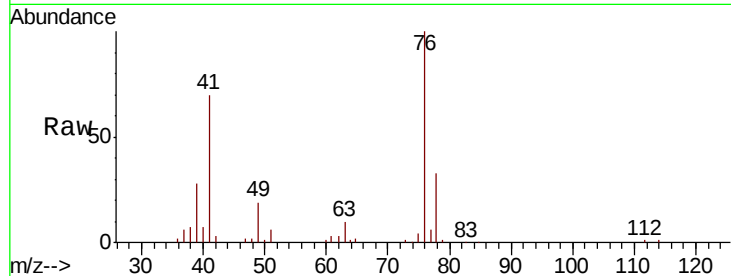




#57
 1,3-Dichloropropane
 Concen: 50.118 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

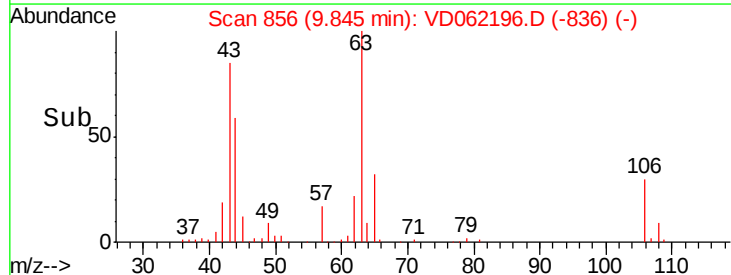
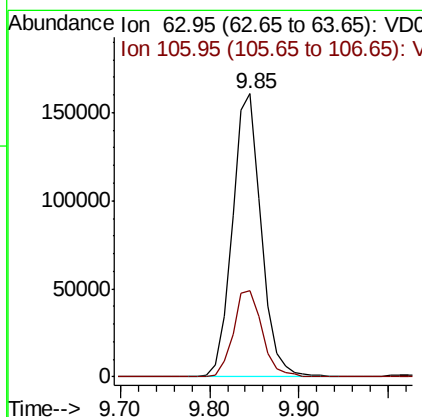
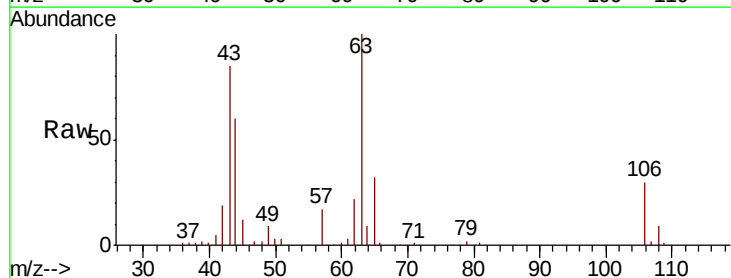
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

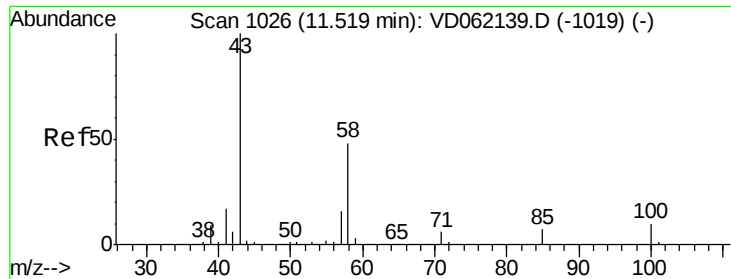
Tgt Ion: 76 Resp: 207107
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.624 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 63 Resp: 362727
 Ion Ratio Lower Upper
 63 100
 106 30.3 22.6 34.0

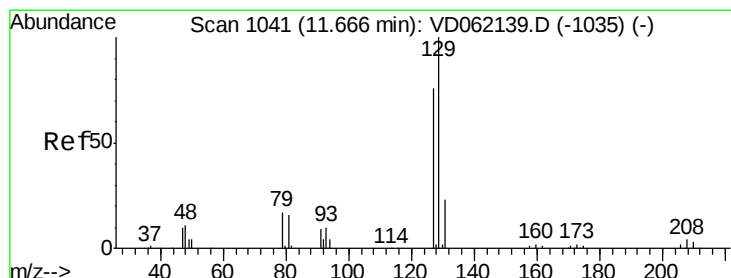
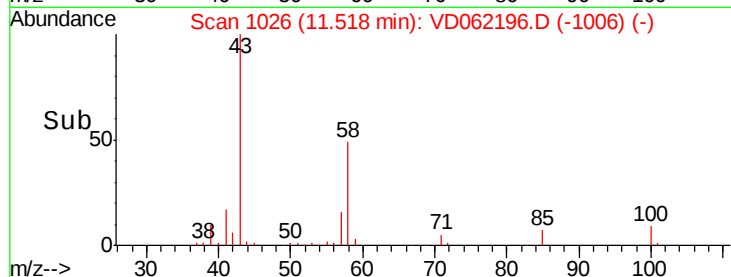
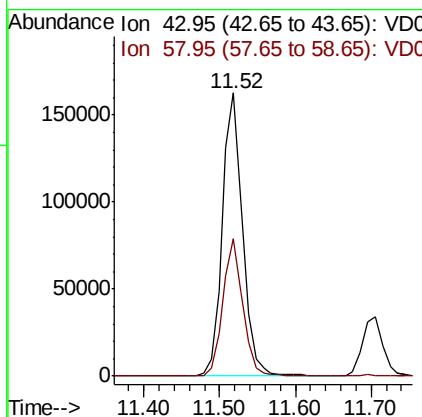
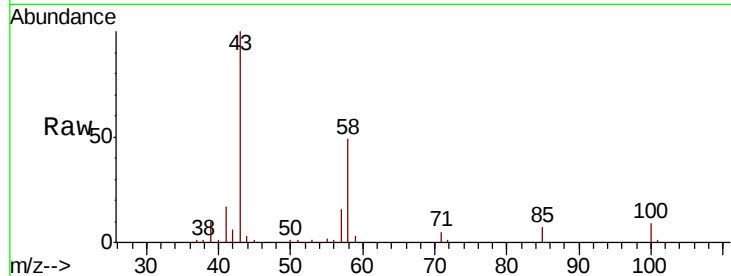




#59
2-Hexanone
Concen: 201.367 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

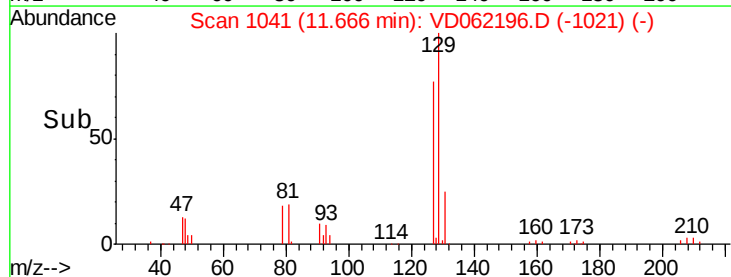
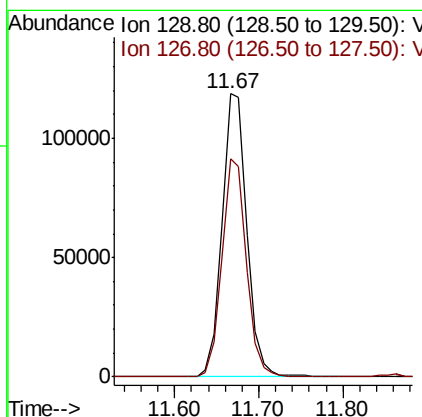
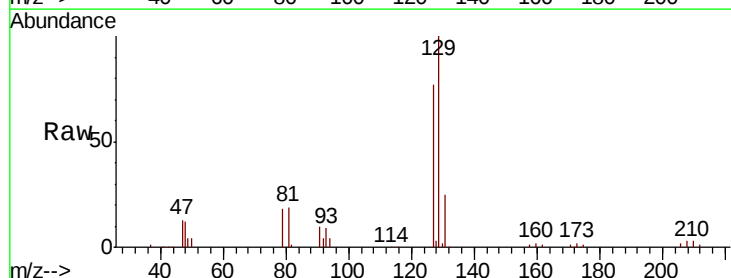
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

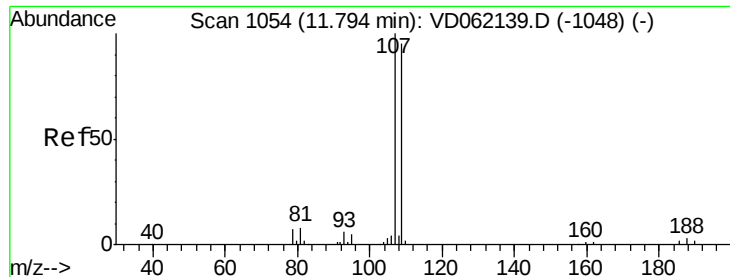
Tgt Ion: 43 Resp: 301918
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4



#60
Dibromochloromethane
Concen: 51.017 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 129 Resp: 241166
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9

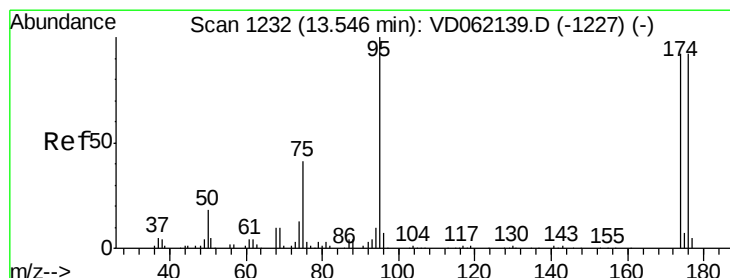
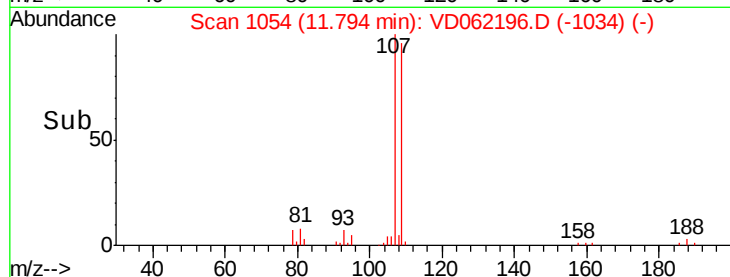
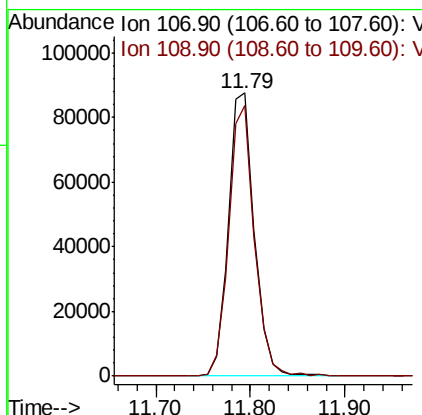
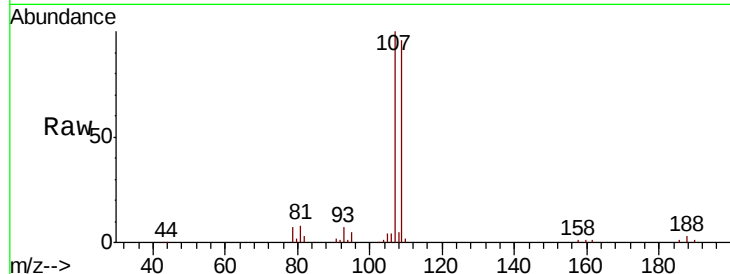




#61
 1,2-Dibromoethane
 Concen: 49.681 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

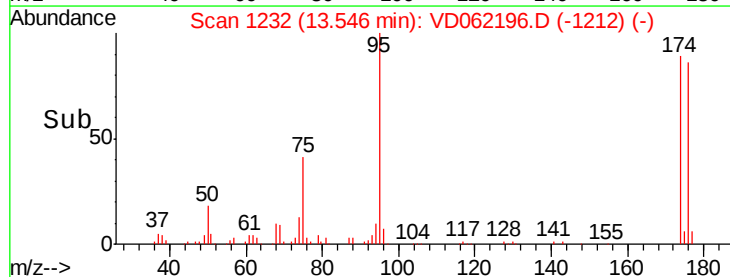
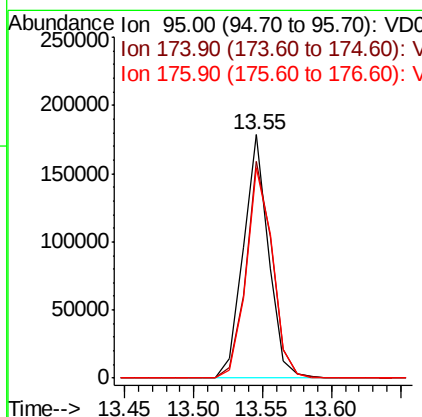
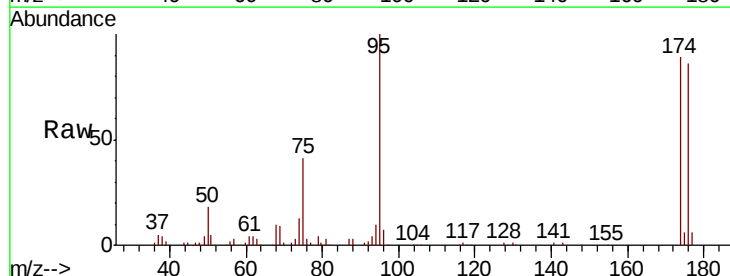
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

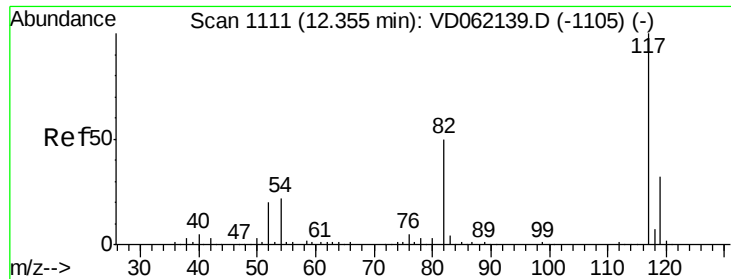
Tgt Ion: 107 Resp: 165214
 Ion Ratio Lower Upper
 107 100
 109 95.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 44.258 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 95 Resp: 228168
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 181.8
 176 86.2 0.0 174.4

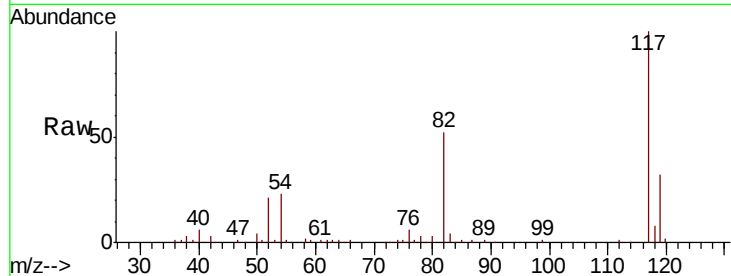




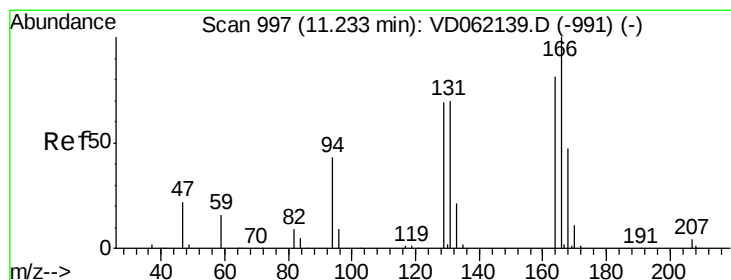
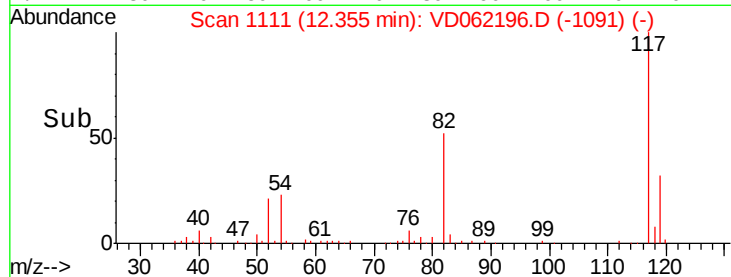
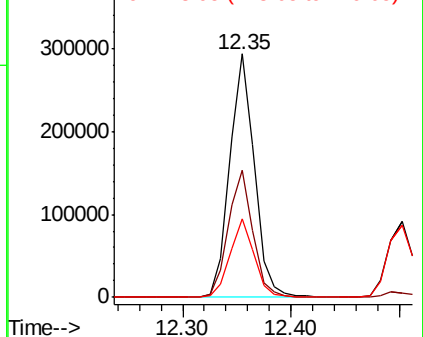
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tgt Ion:117 Resp: 467720
Ion Ratio Lower Upper
117 100
82 52.1 36.2 54.2
119 32.2 26.2 39.4

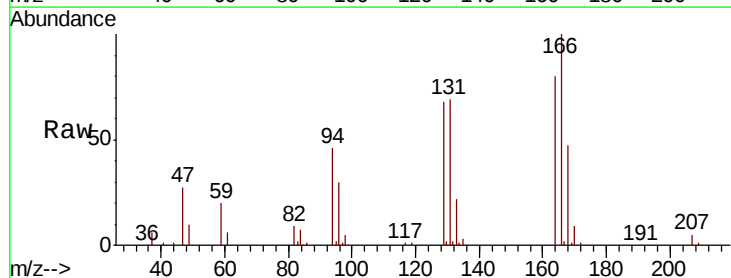


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

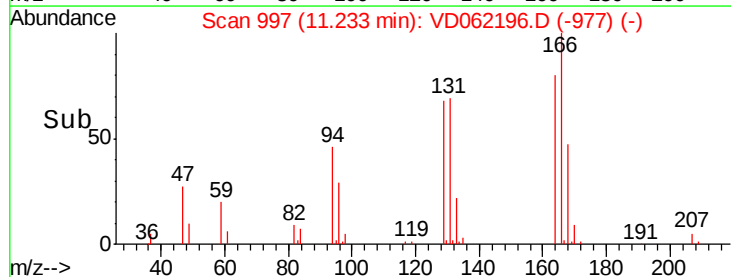
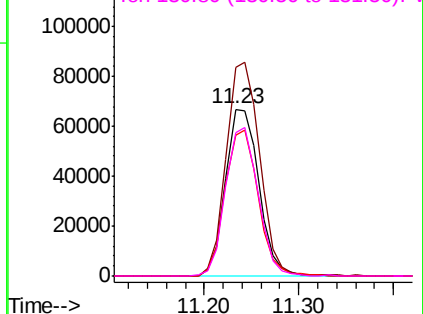


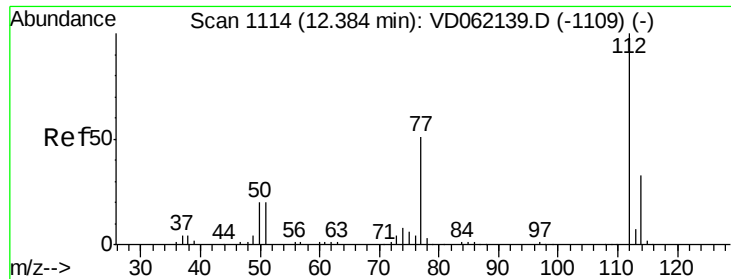
#64
Tetrachloroethene
Concen: 44.500 ug/l
RT: 11.23 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:164 Resp: 162755
Ion Ratio Lower Upper
164 100
166 124.9 101.5 152.3
129 84.6 74.6 112.0
131 86.0 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

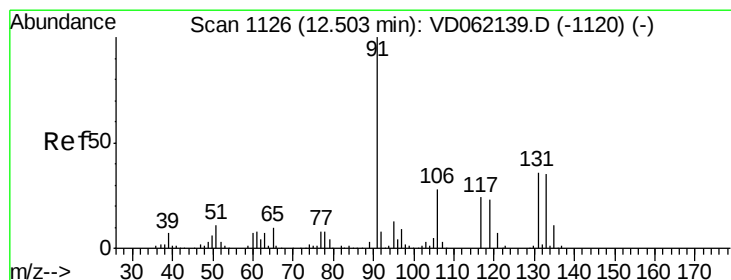
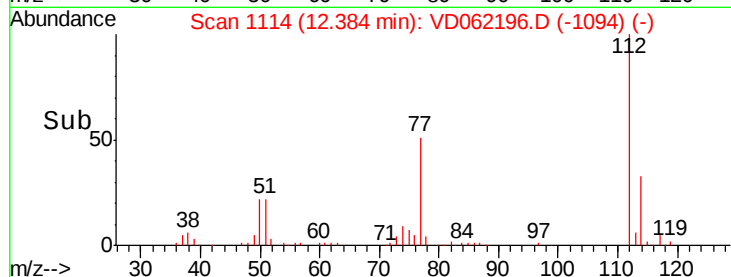
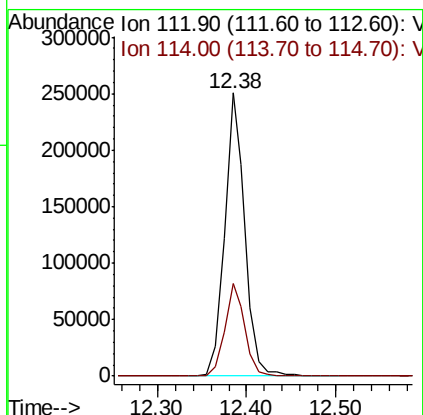
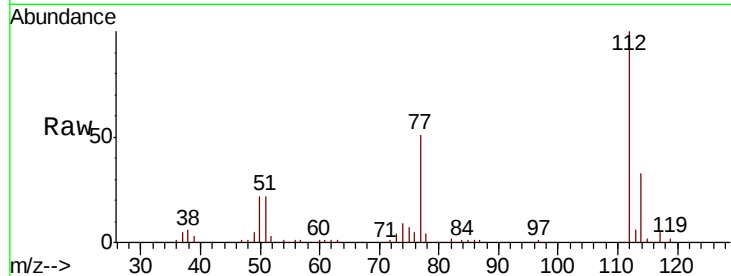




#65
Chlorobenzene
Concen: 45.483 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

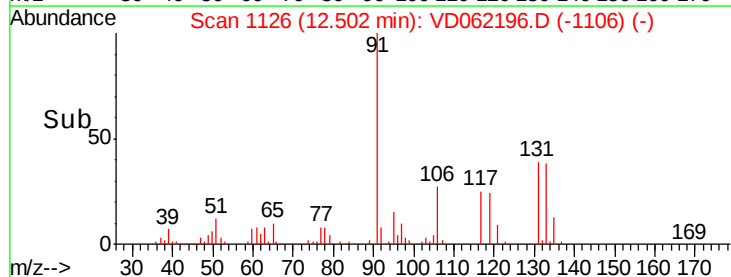
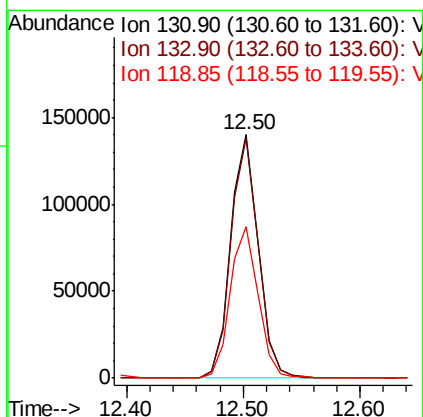
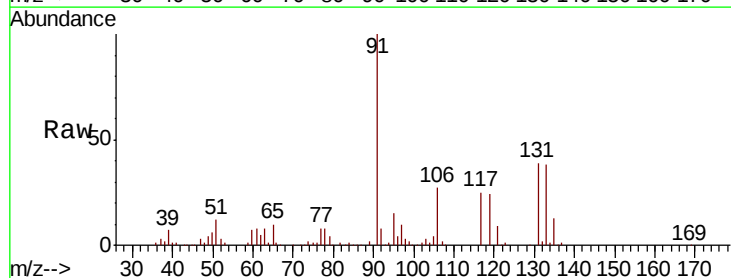
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

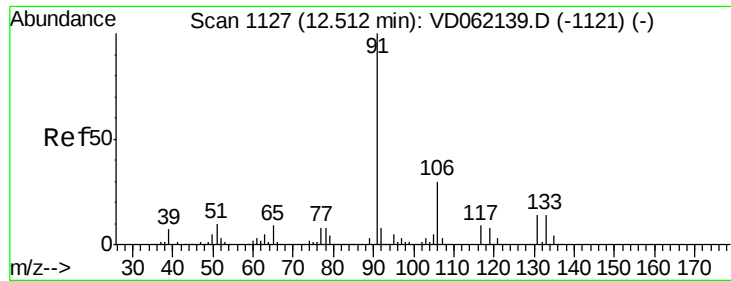
Tgt Ion:112 Resp: 396223
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.610 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:131 Resp: 229792
Ion Ratio Lower Upper
131 100
133 98.6 48.6 145.8
119 62.2 34.7 104.1

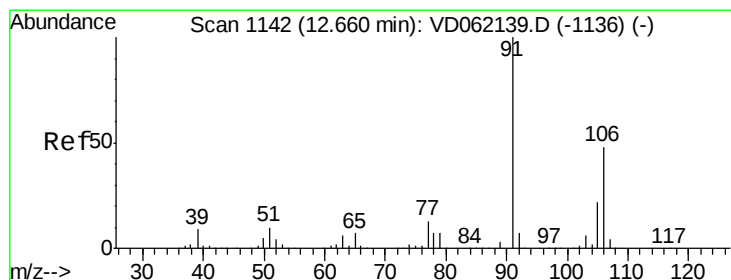
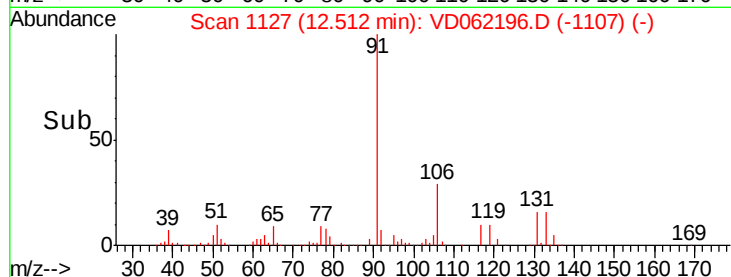
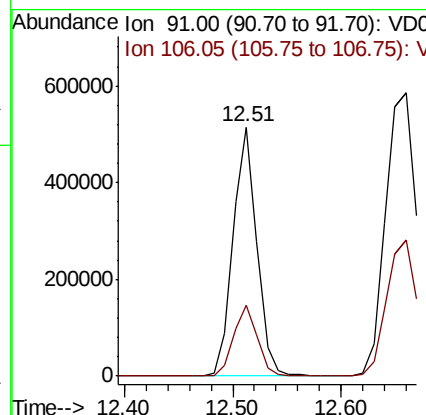
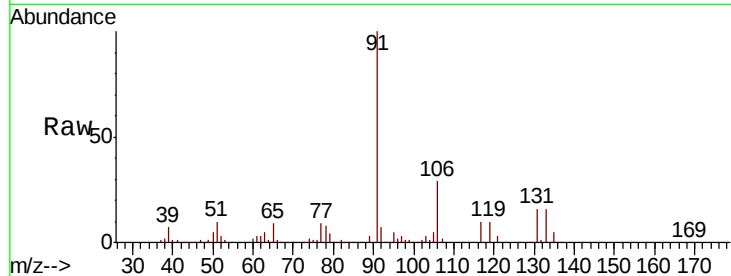




#67
Ethyl Benzene
Concen: 54.051 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

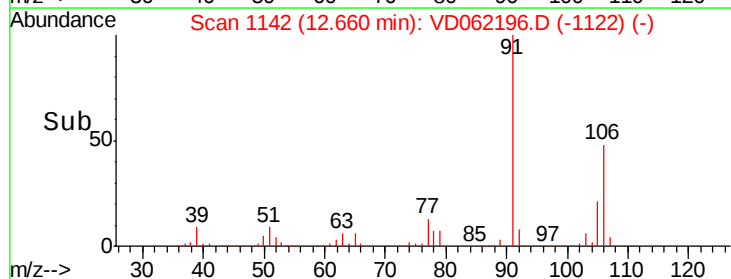
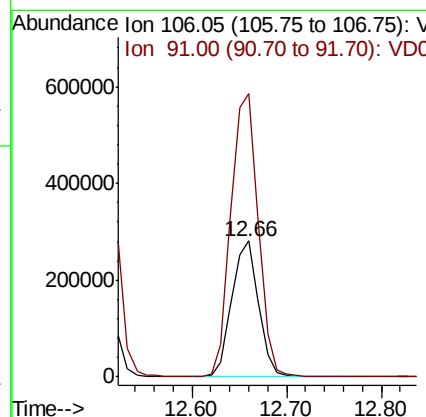
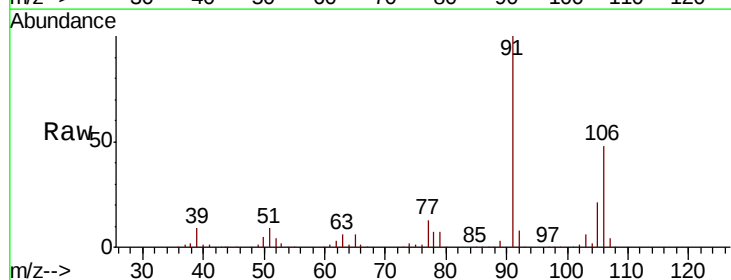
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

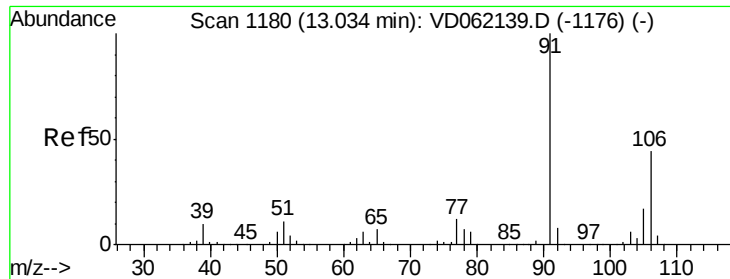
Tgt Ion: 91 Resp: 788297
Ion Ratio Lower Upper
91 100
106 28.6 24.7 37.1



#68
m/p-Xylenes
Concen: 102.649 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 106 Resp: 544665
Ion Ratio Lower Upper
106 100
91 208.7 164.0 246.0

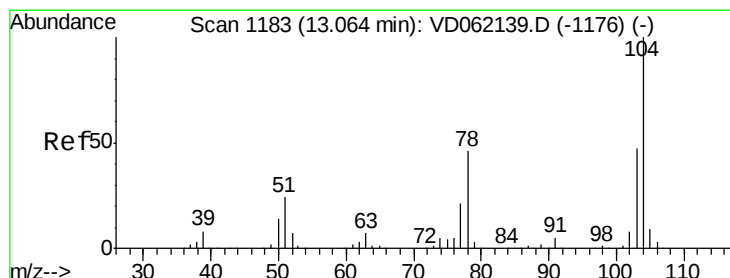
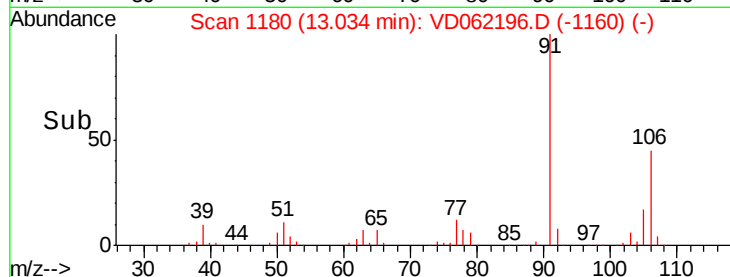
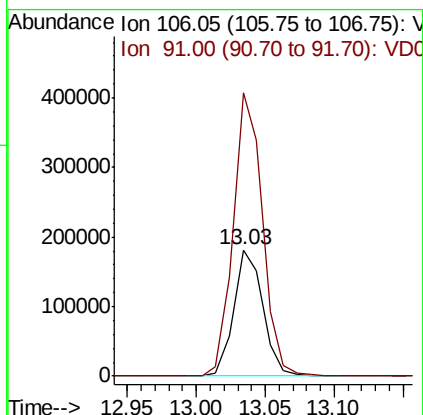
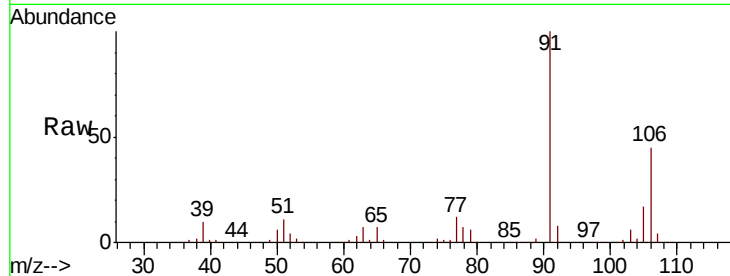




#69
o-Xylene
Concen: 54.040 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

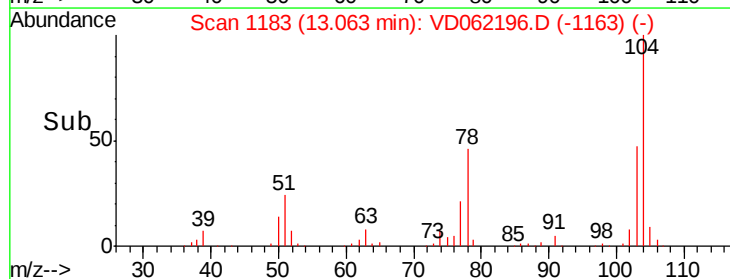
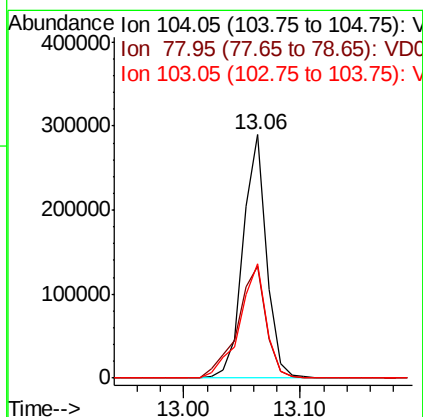
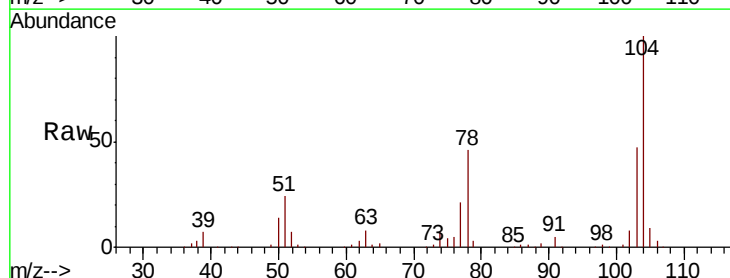
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

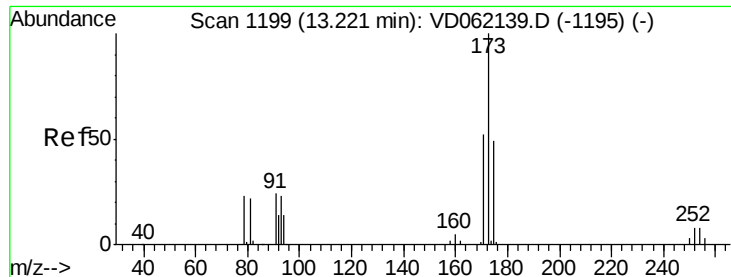
Tgt Ion:106 Resp: 266580
Ion Ratio Lower Upper
106 100
91 224.3 106.7 319.9



#70
Styrene
Concen: 48.234 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:104 Resp: 403074
Ion Ratio Lower Upper
104 100
78 45.8 35.4 53.2
103 46.9 37.5 56.3

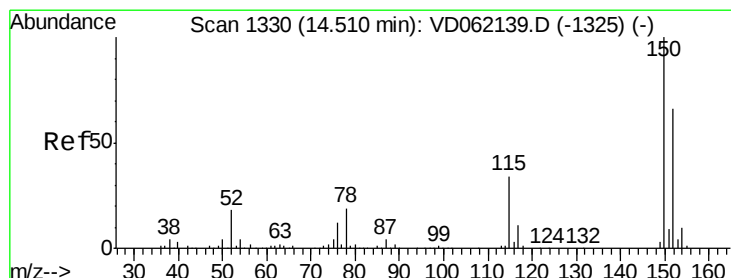
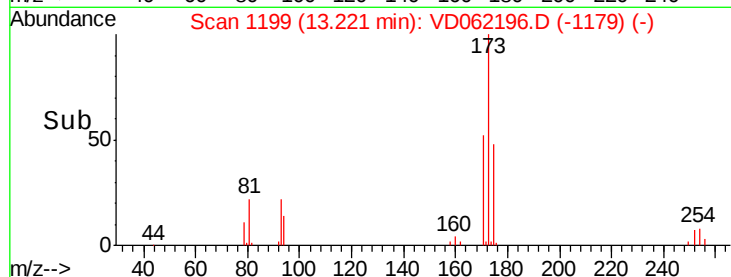
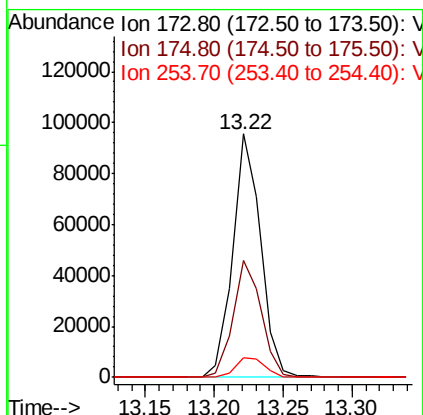
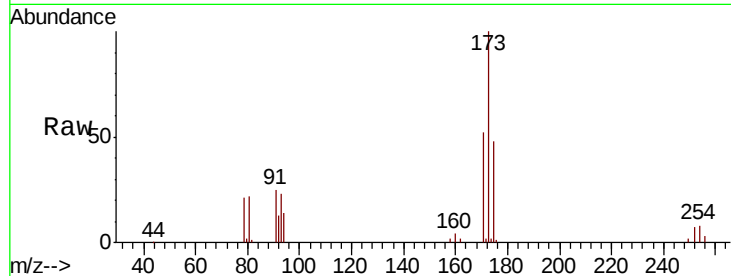




#71
Bromoform
Concen: 51.163 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

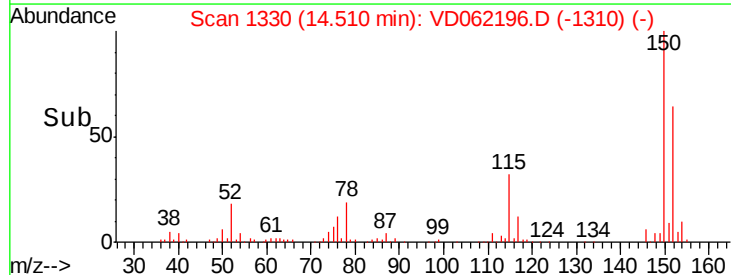
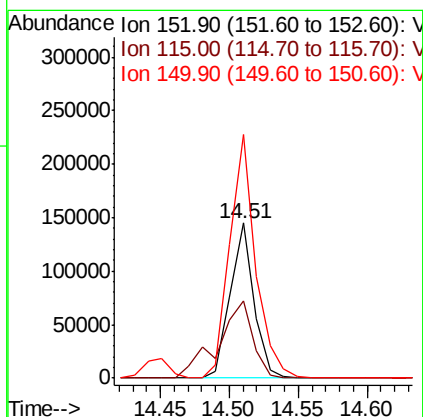
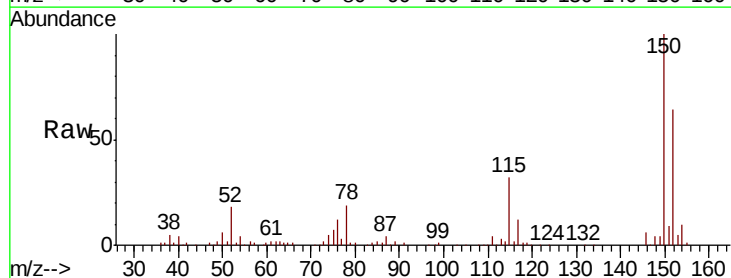
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

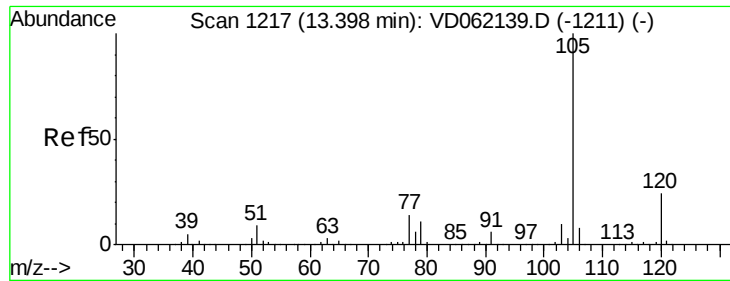
Tgt Ion:173 Resp: 134957
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.4
254 7.9 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:152 Resp: 171913
Ion Ratio Lower Upper
152 100
115 50.3 30.9 92.7
150 157.4 0.0 314.8





#73

Isopropylbenzene

Concen: 66.094 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

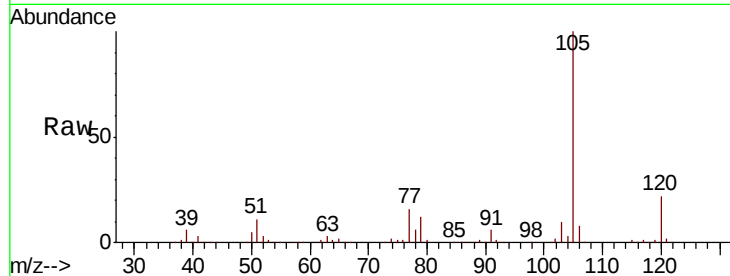
P026-SS002-1218-01MSD

Tgt Ion:105 Resp: 681099

Ion Ratio Lower Upper

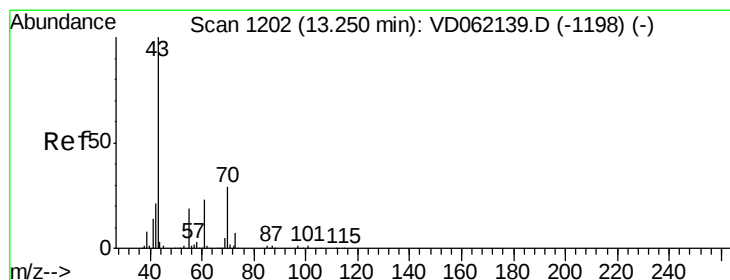
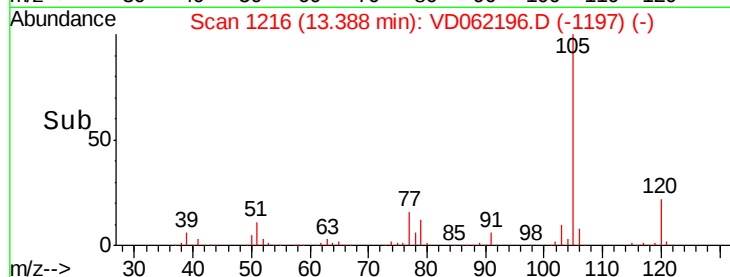
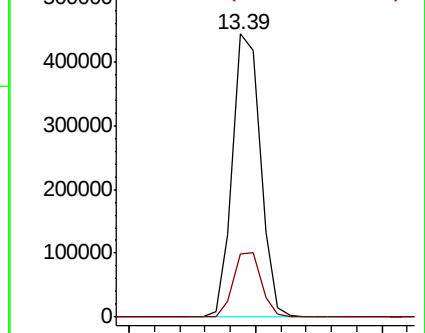
105 100

120 22.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.505 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion: 43 Resp: 58102

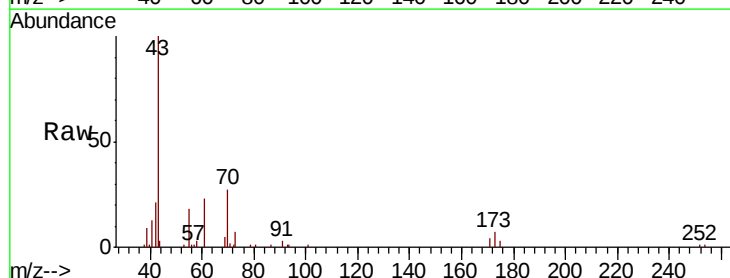
Ion Ratio Lower Upper

43 100

70 27.3 24.2 36.4

55 18.3 16.0 24.0

61 23.3 21.6 32.4

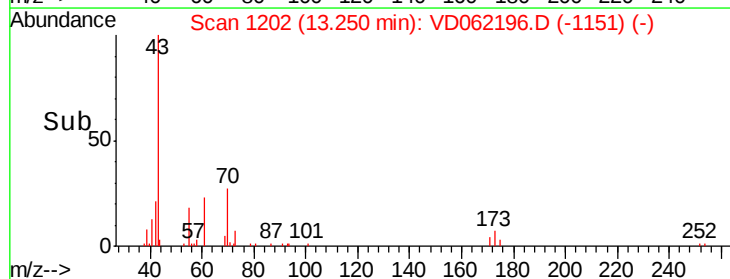
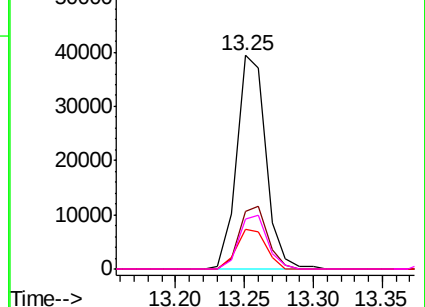


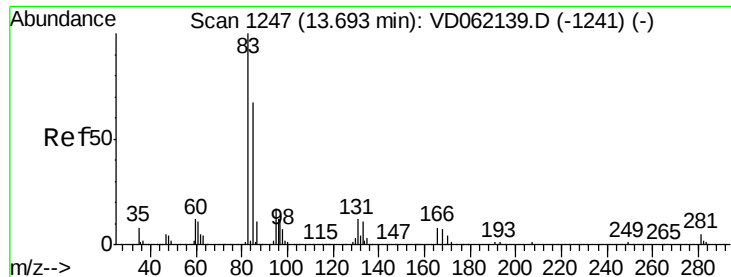
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 71.347 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

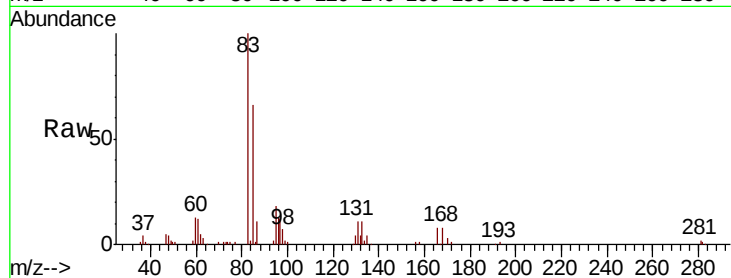
Tgt Ion: 83 Resp: 139189

Ion Ratio Lower Upper

83 100

131 11.4 5.0 14.9

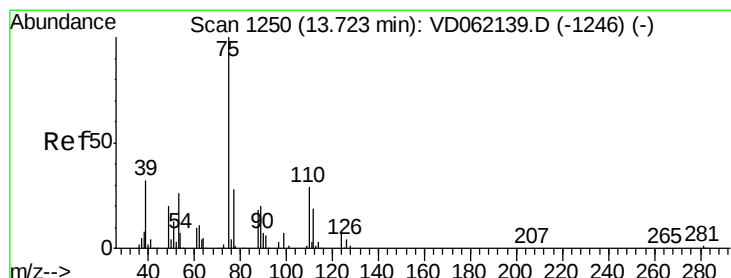
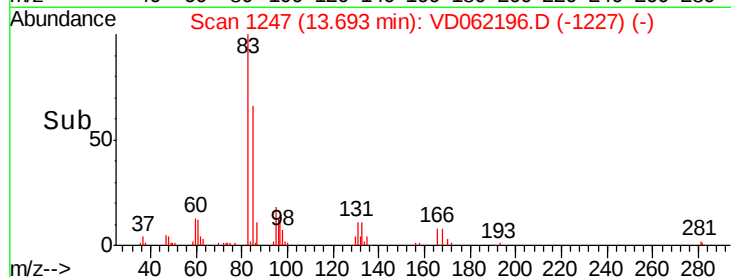
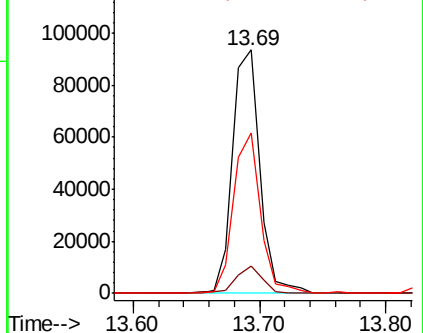
85 66.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 71.318 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062196.D

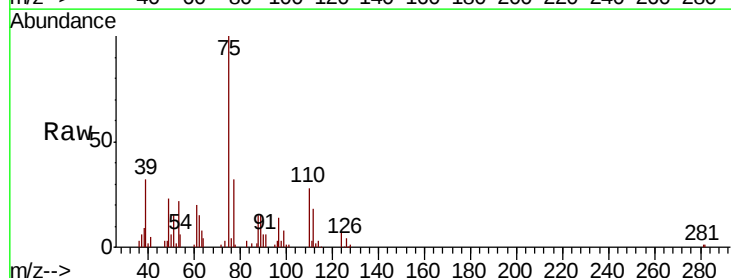
Acq: 9 May 2019 19:01

Tgt Ion: 75 Resp: 145707

Ion Ratio Lower Upper

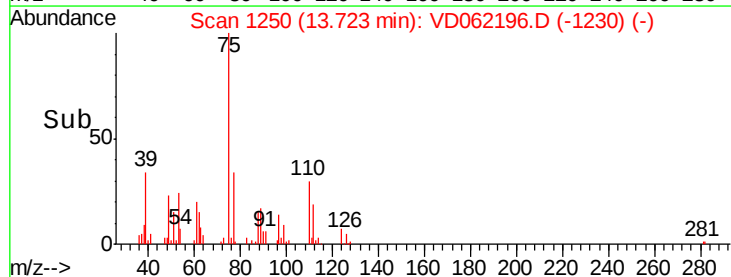
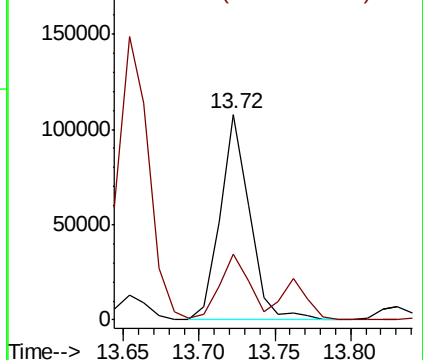
75 100

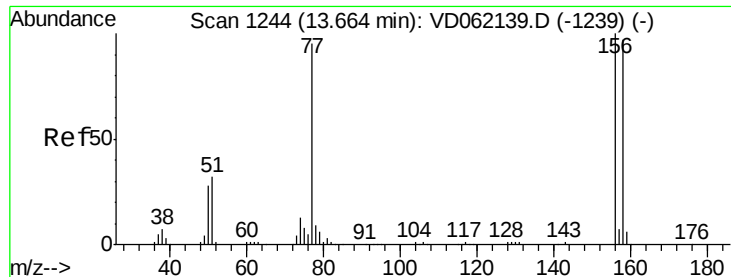
77 32.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 63.642 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

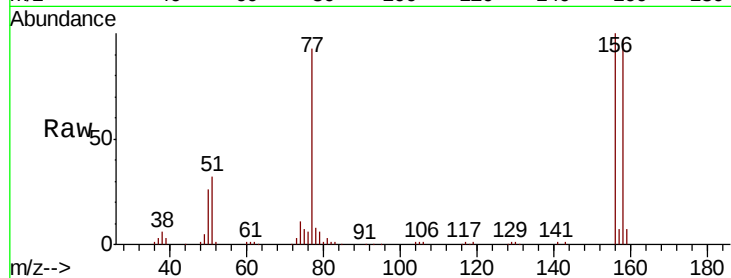
Tgt Ion: 156 Resp: 183591

Ion Ratio Lower Upper

156 100

77 93.2 53.1 159.4

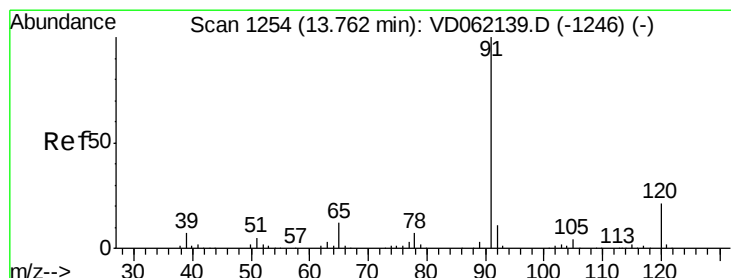
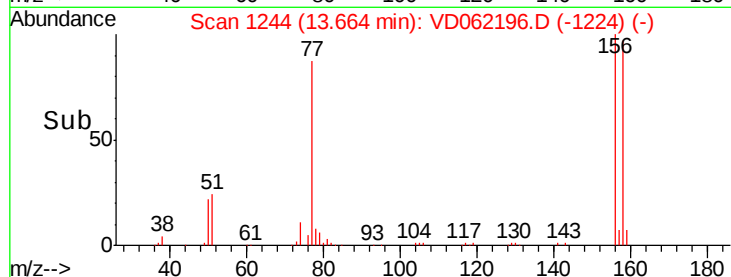
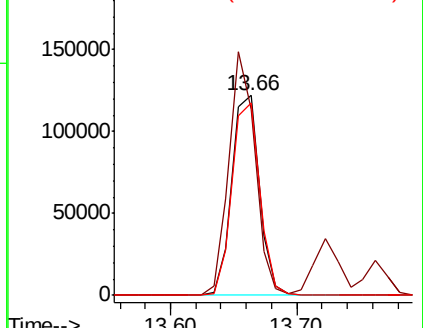
158 96.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.948 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062196.D

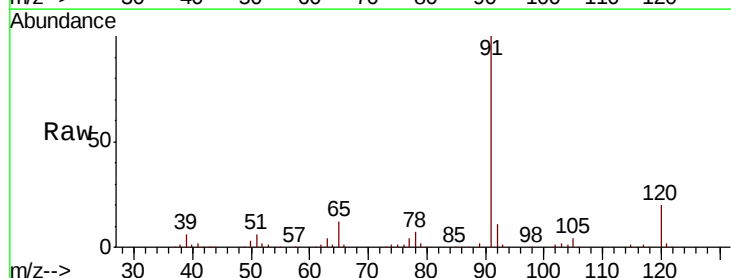
Acq: 9 May 2019 19:01

Tgt Ion: 91 Resp: 675460

Ion Ratio Lower Upper

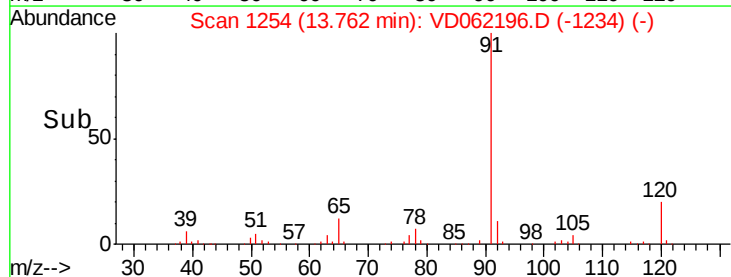
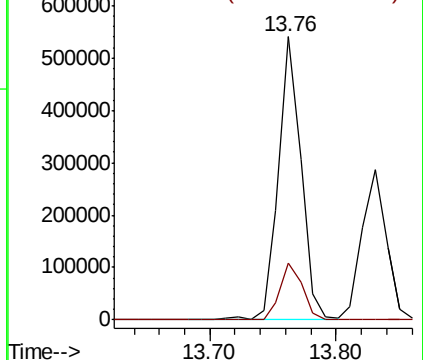
91 100

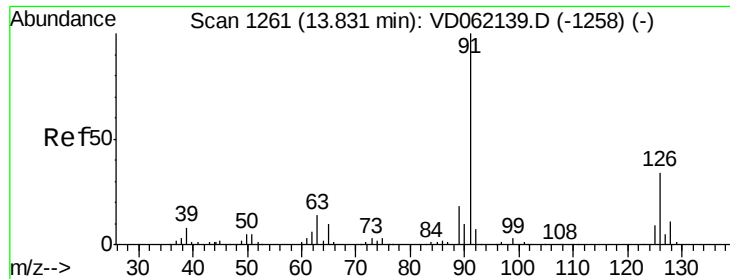
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

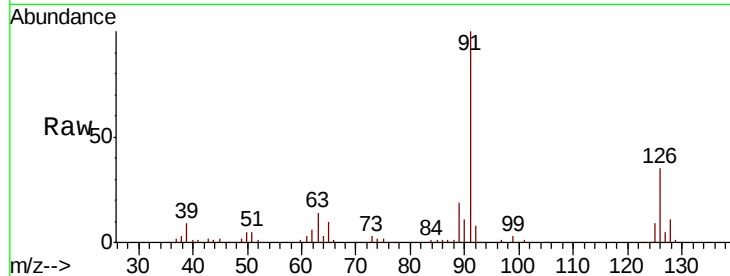




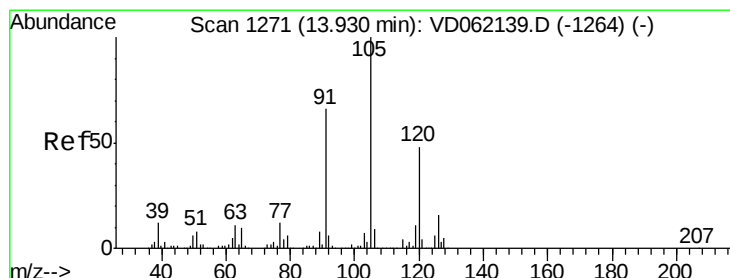
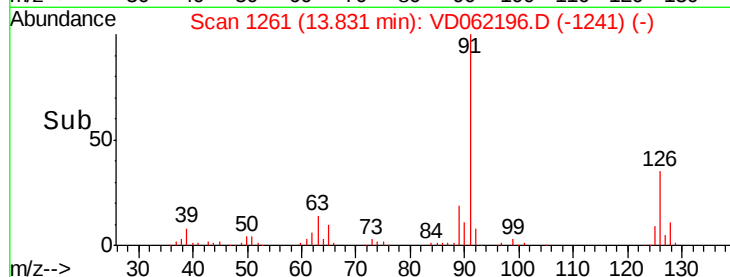
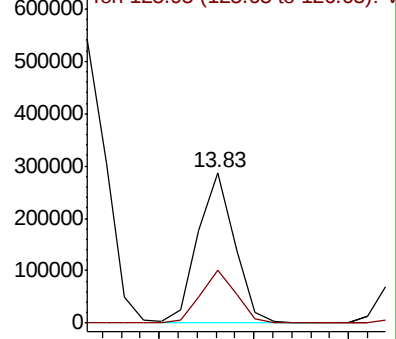
#79
 2-Chlorotoluene
 Concen: 54.569 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion: 91 Resp: 384182
 Ion Ratio Lower Upper
 91 100
 126 35.2 18.6 55.8

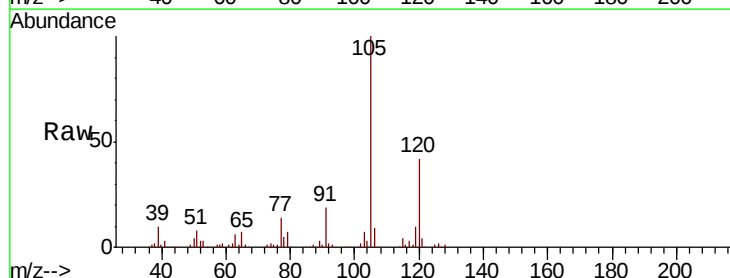


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

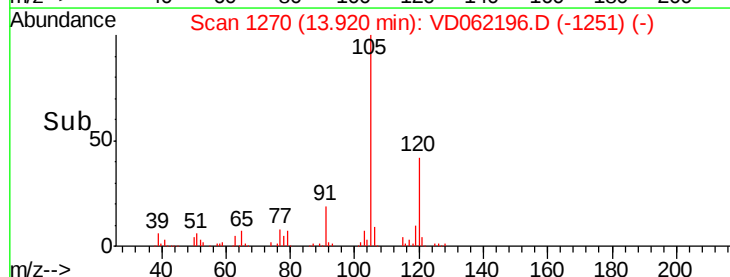
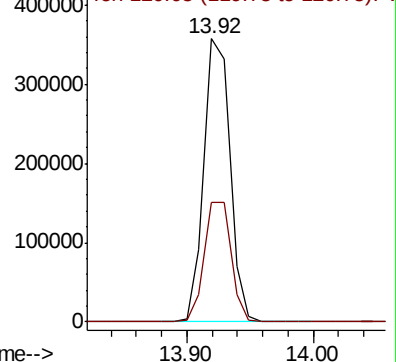


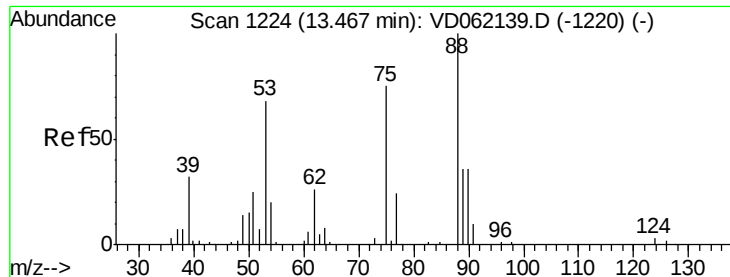
#80
 1,3,5-Trimethylbenzene
 Concen: 58.862 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 105 Resp: 510787
 Ion Ratio Lower Upper
 105 100
 120 42.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.140 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

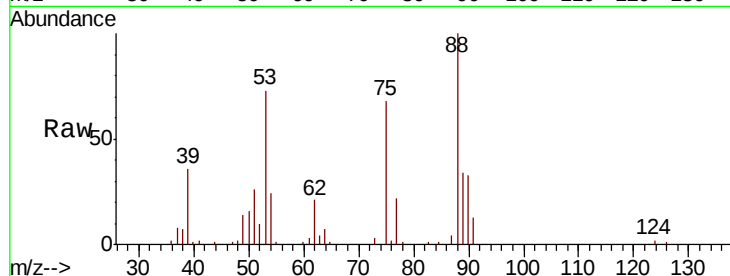
Tgt Ion: 75 Resp: 35840

Ion Ratio Lower Upper

75 100

53 106.4 65.8 98.8#

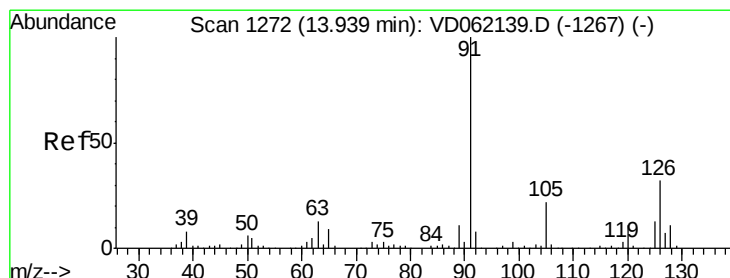
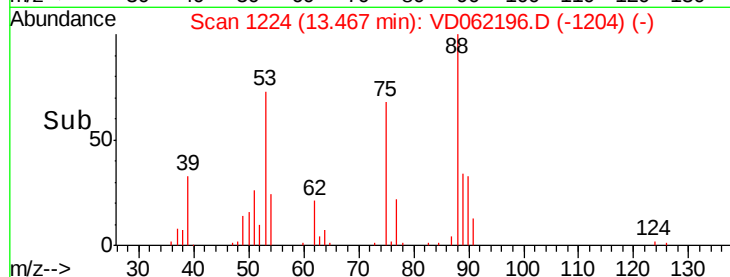
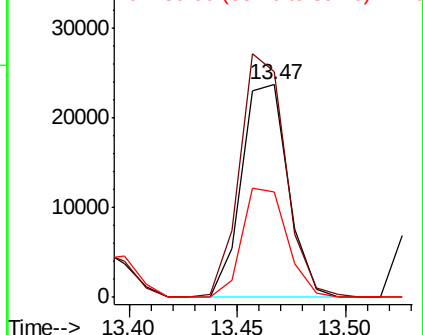
89 49.7 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.678 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062196.D

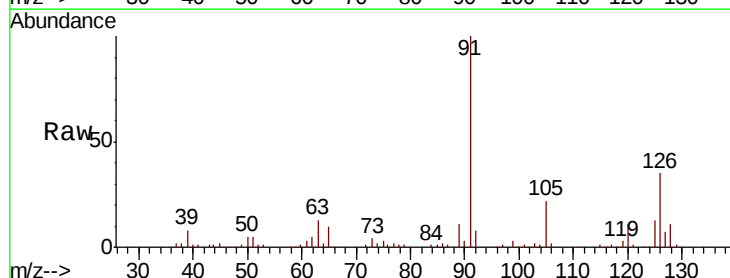
Acq: 9 May 2019 19:01

Tgt Ion: 91 Resp: 452986

Ion Ratio Lower Upper

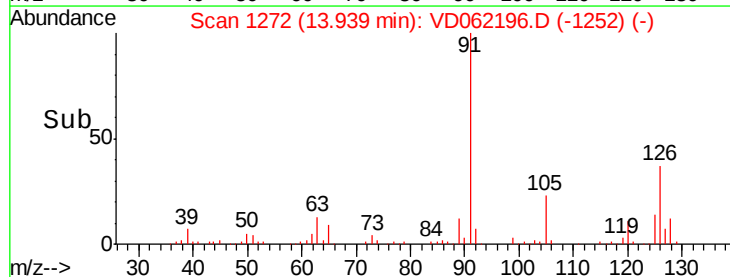
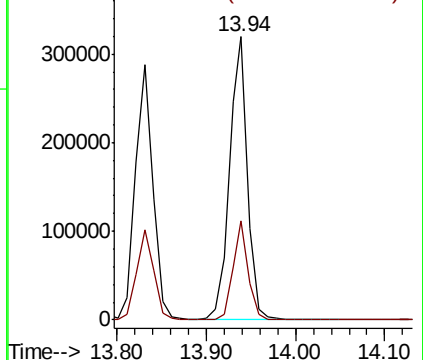
91 100

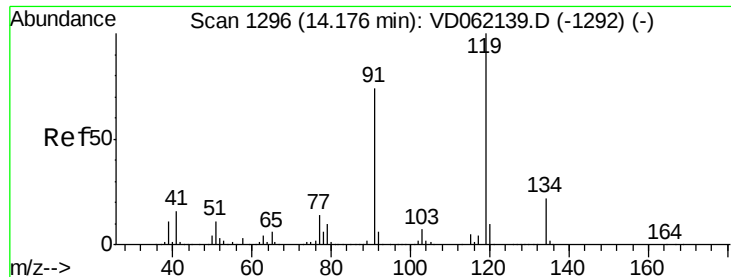
126 34.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

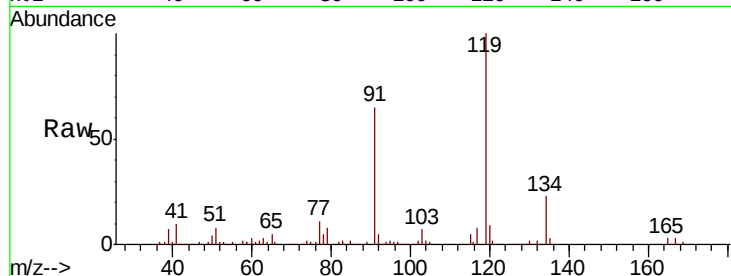




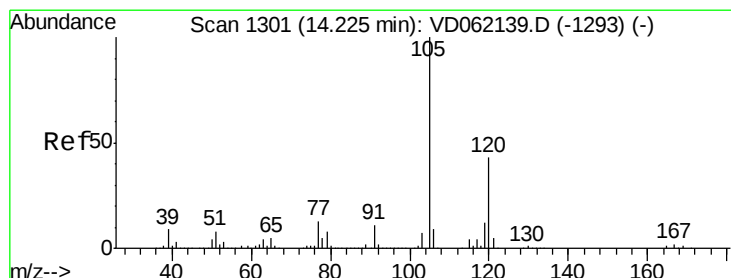
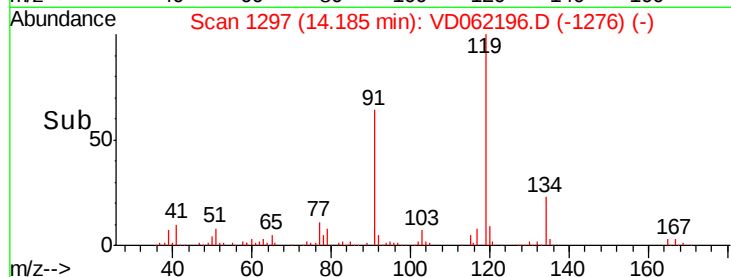
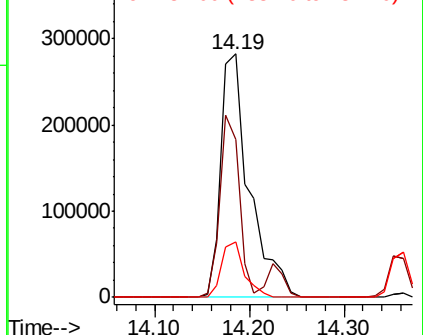
#83
 tert-Butylbenzene
 Concen: 60.616 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion:119 Resp: 591222
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.2 102.6
 134 22.7 12.0 36.0

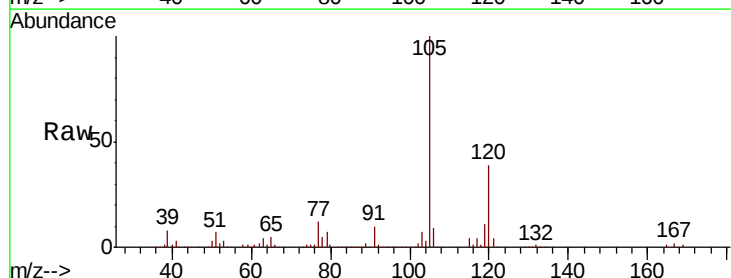


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

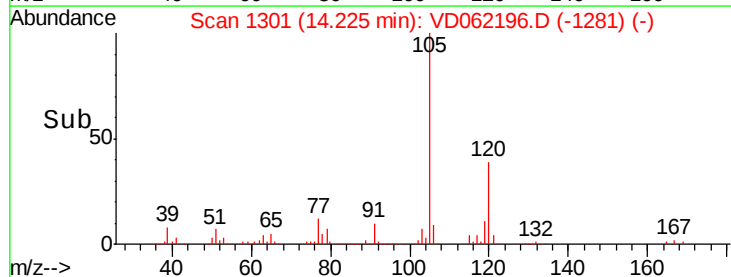
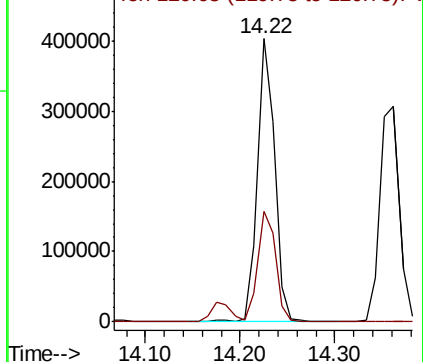


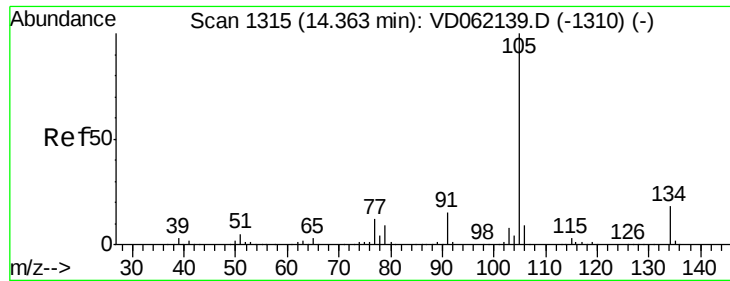
#84
 1,2,4-Trimethylbenzene
 Concen: 58.682 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion:105 Resp: 511000
 Ion Ratio Lower Upper
 105 100
 120 39.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

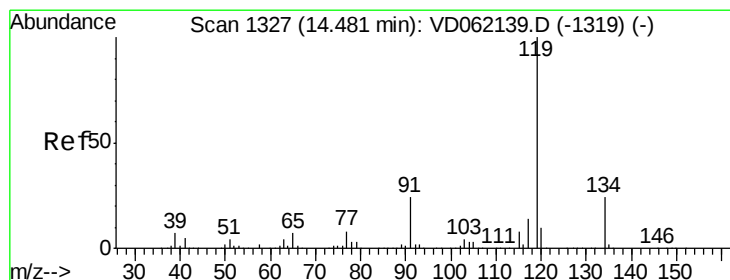
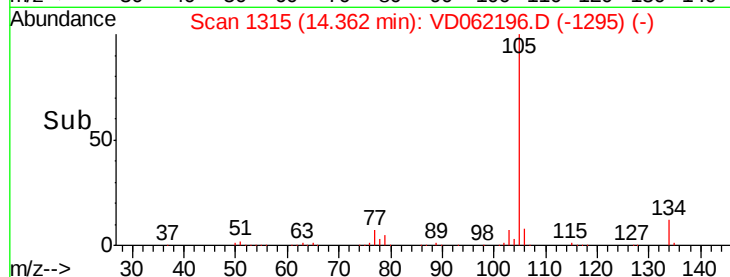
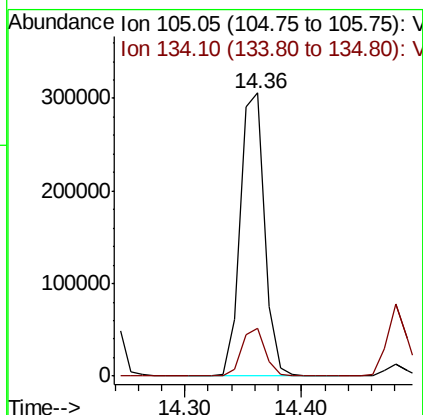
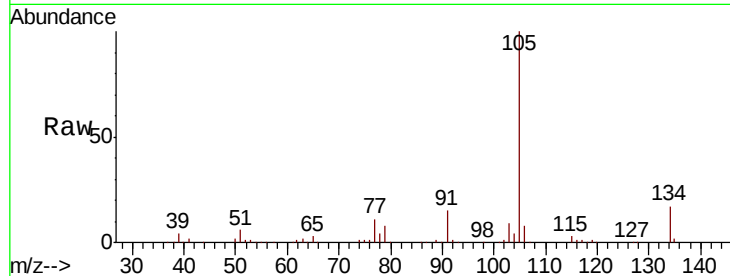




#85
 sec-Butylbenzene
 Concen: 41.219 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

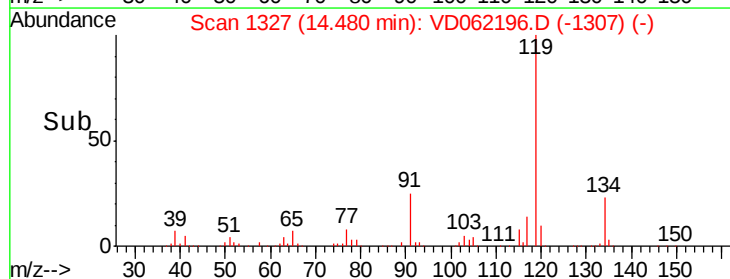
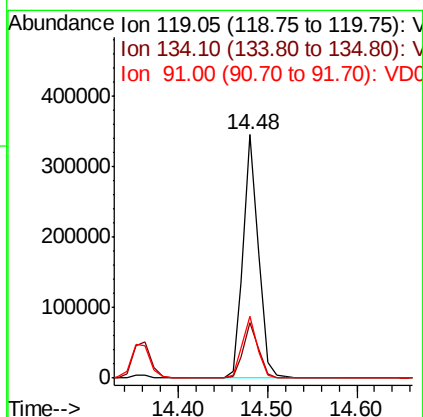
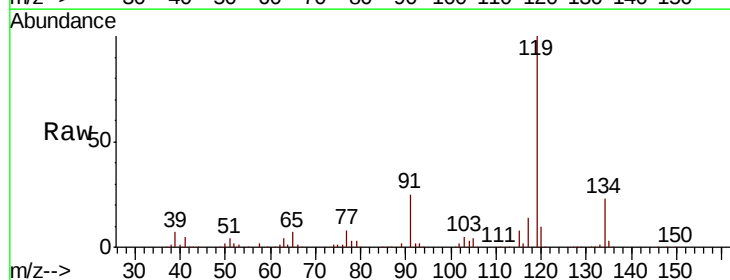
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

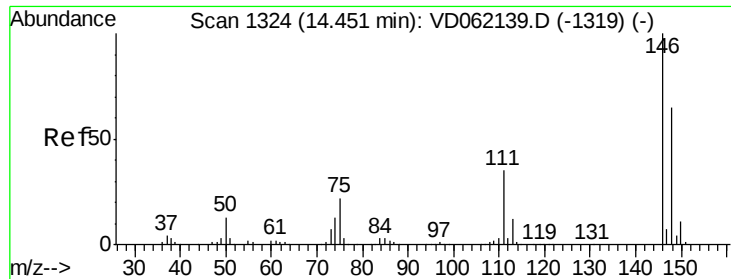
Tgt Ion:105 Resp: 440796
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 43.076 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion:119 Resp: 411565
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.8 38.3
 91 25.2 10.7 32.1

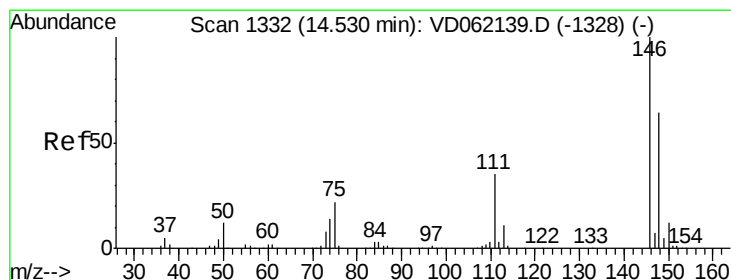
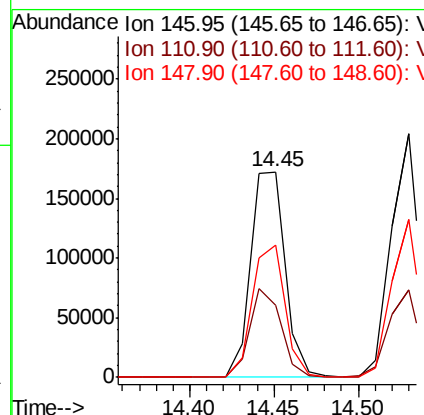
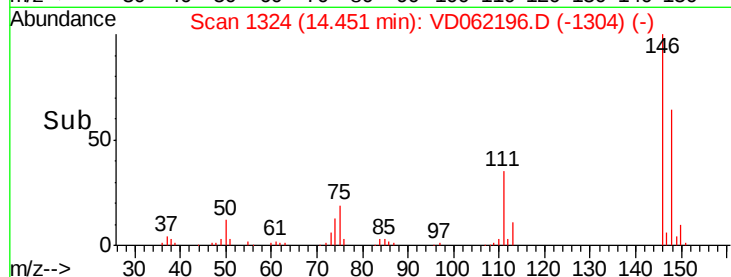
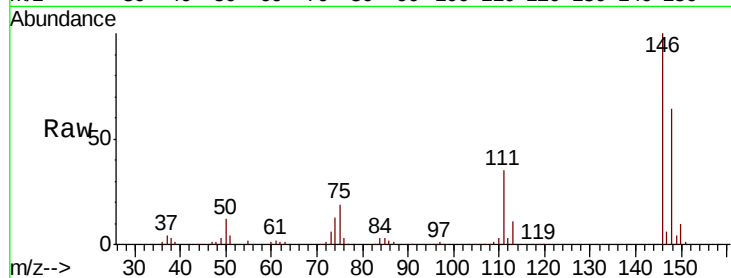




#87
 1,3-Dichlorobenzene
 Concen: 46.483 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

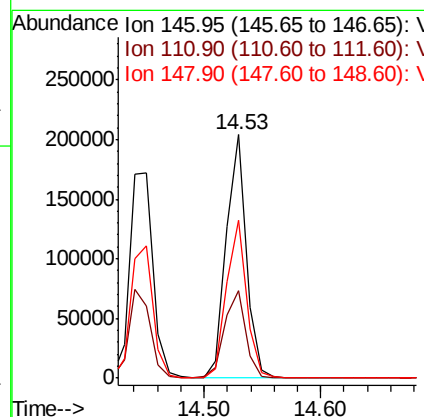
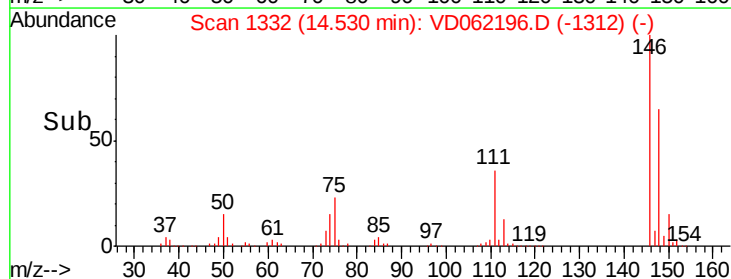
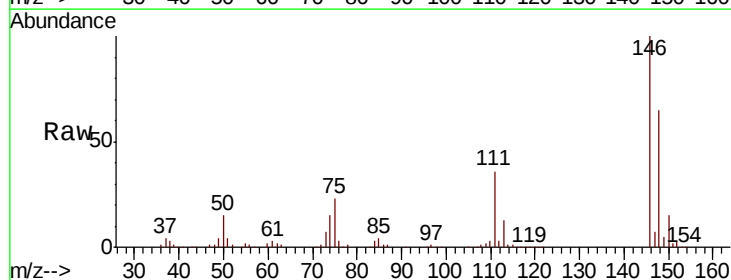
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

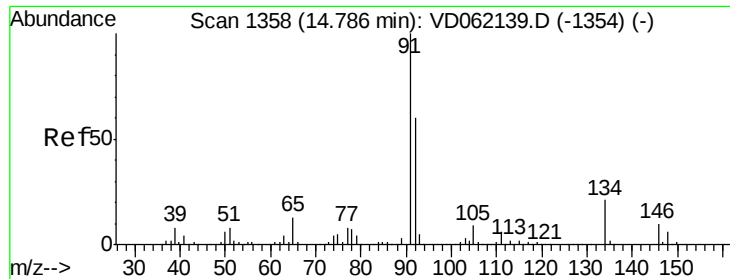
Tgt Ion:146 Resp: 244952
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.0 60.0
 148 64.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.441 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion:146 Resp: 245644
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 64.6 32.0 96.2





#89

n-Butylbenzene

Concen: 31.292 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

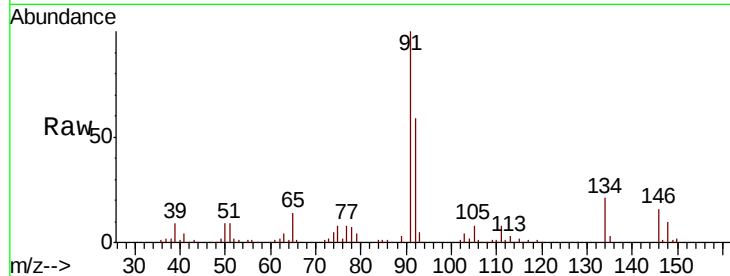
Tgt Ion: 91 Resp: 268354

Ion Ratio Lower Upper

91 100

92 59.2 30.3 91.0

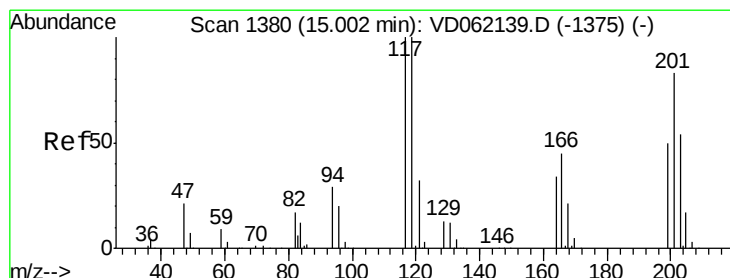
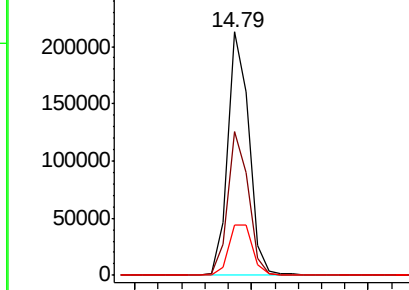
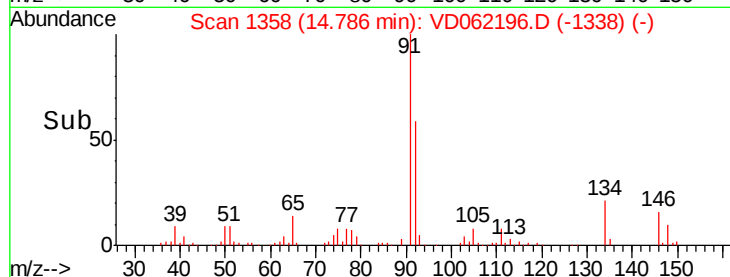
134 20.7 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 46.242 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062196.D

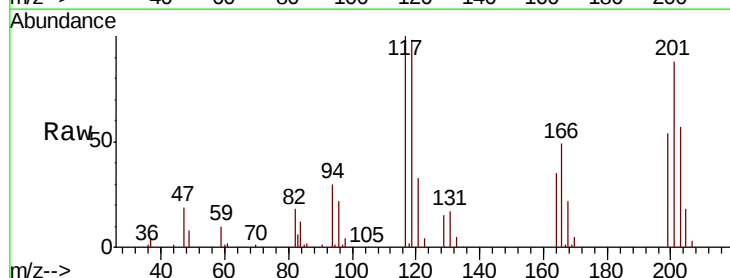
Acq: 9 May 2019 19:01

Tgt Ion: 117 Resp: 120151

Ion Ratio Lower Upper

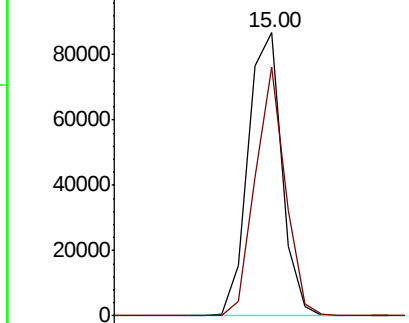
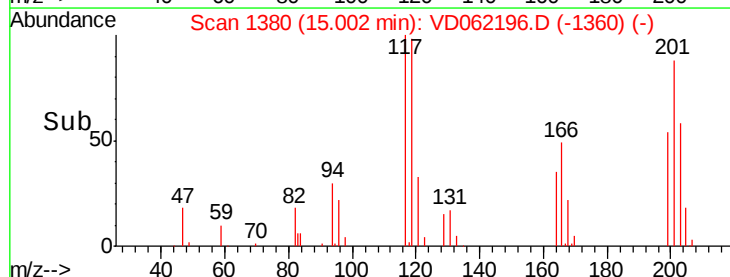
117 100

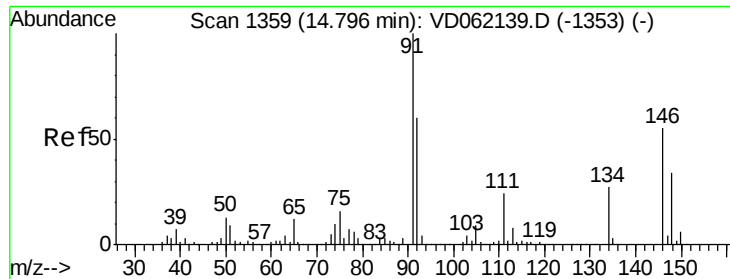
201 88.0 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

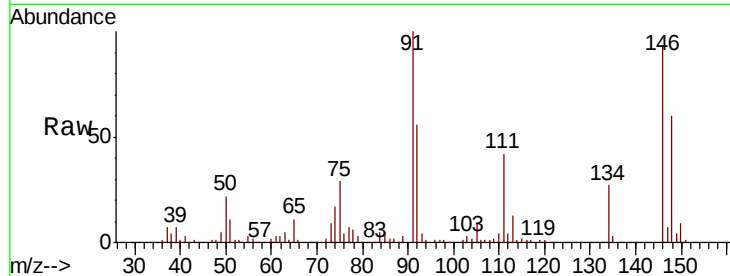




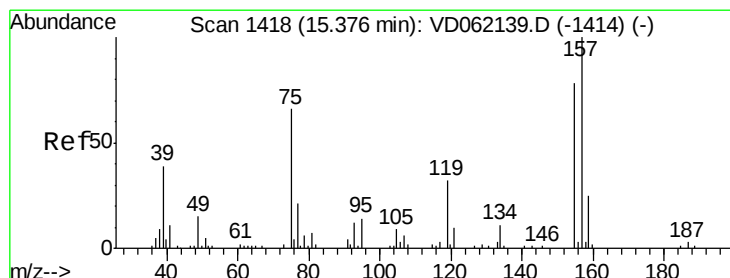
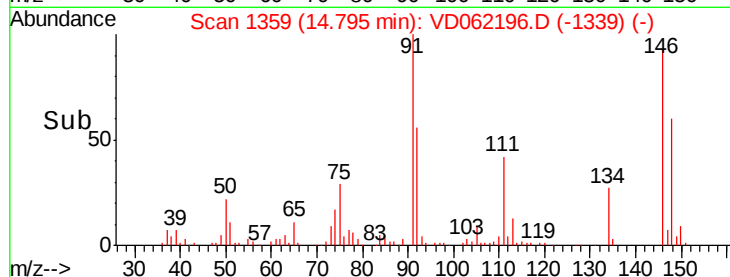
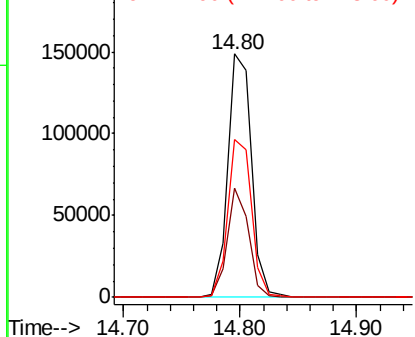
#91
 1,2-Dichlorobenzene
 Concen: 48.317 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion: 146 Resp: 209692
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.0 59.9
 148 64.8 32.3 96.8

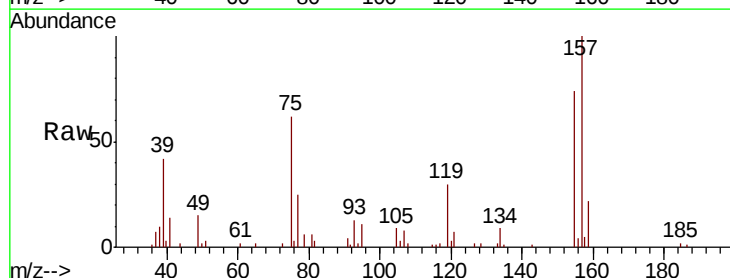


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

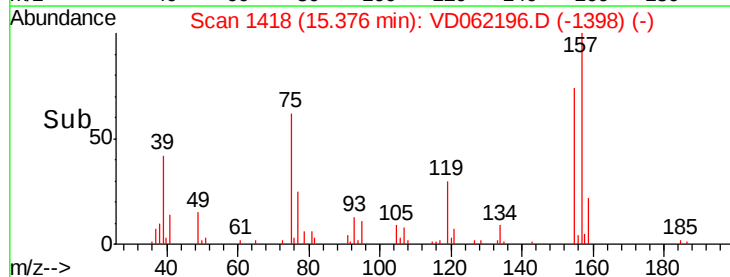
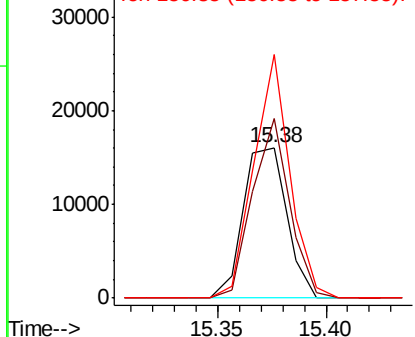


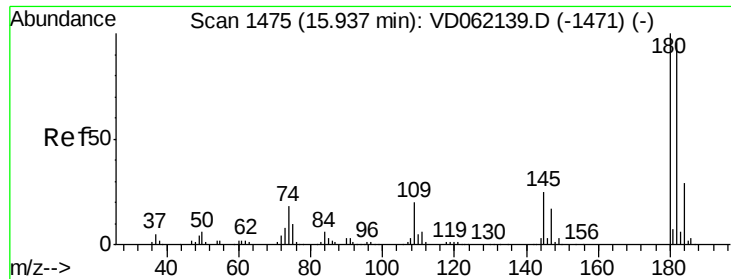
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.882 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 75 Resp: 22379
 Ion Ratio Lower Upper
 75 100
 155 120.0 55.3 165.8
 157 162.1 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

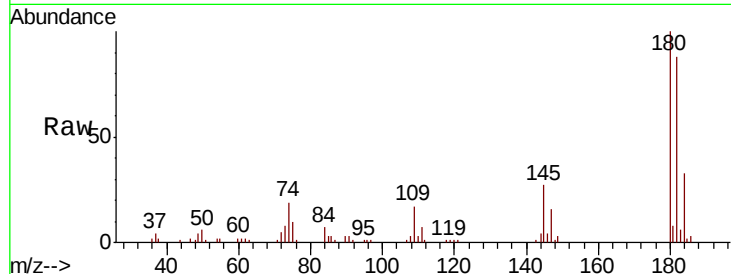




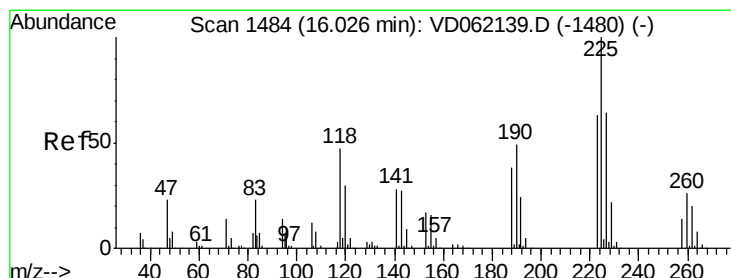
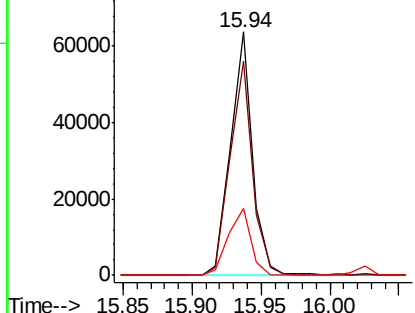
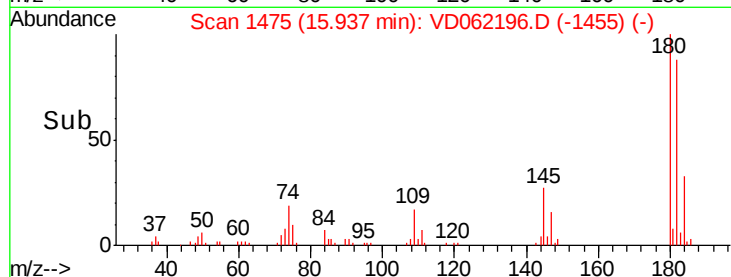
#93
 1,2,4-Trichlorobenzene
 Concen: 22.307 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tgt Ion:180 Resp: 70466
 Ion Ratio Lower Upper
 180 100
 182 87.8 49.3 147.8
 145 27.5 16.2 48.6

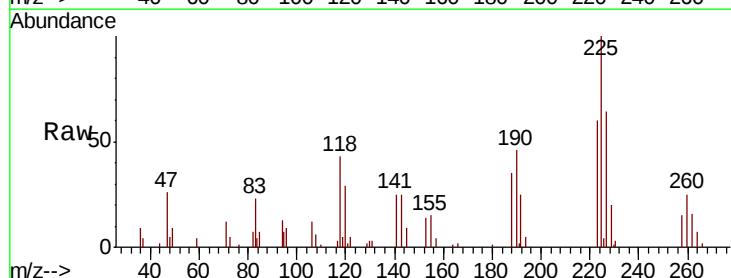


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

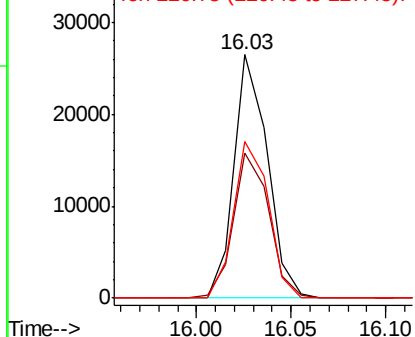
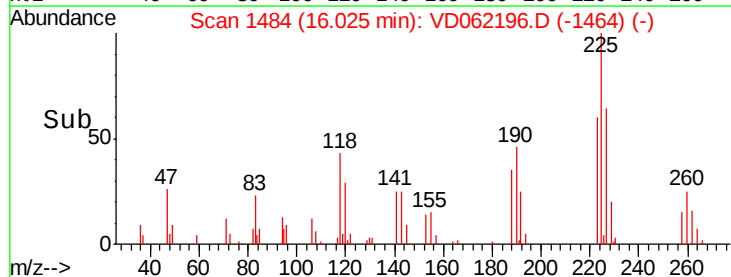


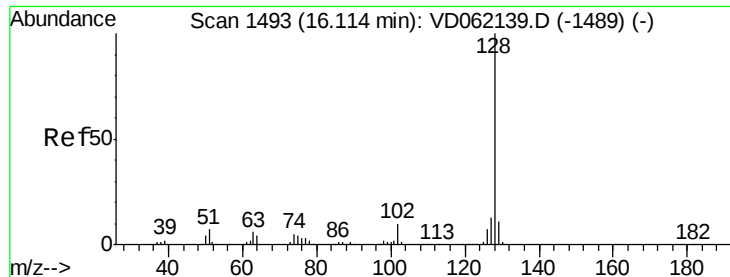
#94
 Hexachlorobutadiene
 Concen: 13.678 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion:225 Resp: 32137
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.6 92.0
 227 64.4 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

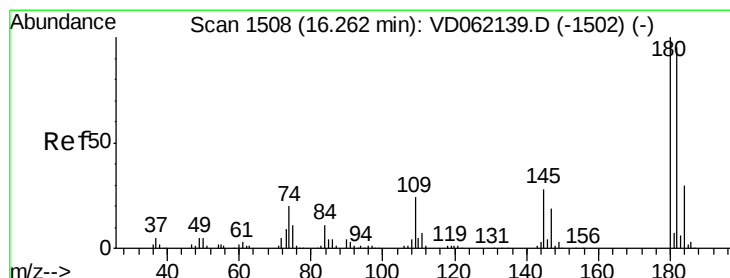
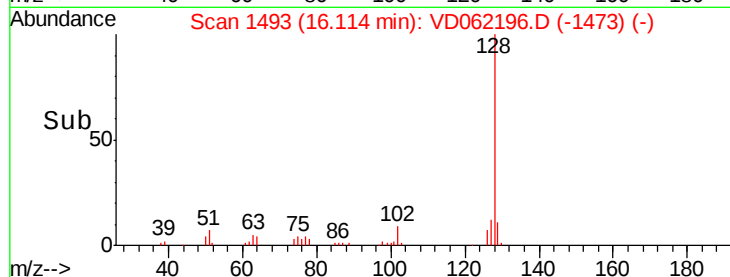
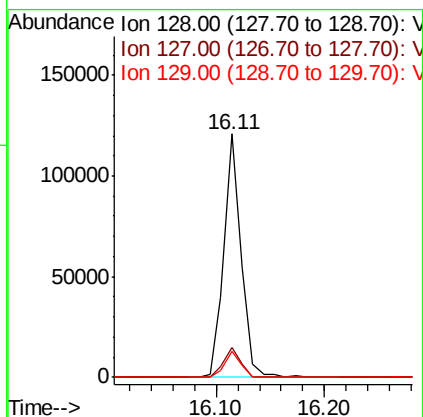
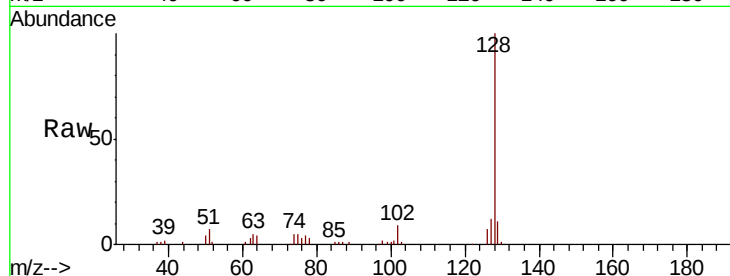




#95
Naphthalene
Concen: 30.366 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tgt Ion:128 Resp: 133920
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.411 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:180 Resp: 40538
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.0
145 27.0 17.0 51.0

