

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062183.D
 Acq On : 8 May 2019 19:27
 Operator : FY/SY
 Sample : K2717-11MSD
 Misc : 5.74g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: May 09 01:26:52 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	7.02	168	197014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	289405	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	189627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	62798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	169361	92.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.00%	
35) Dibromofluoromethane	6.90	113	171047	71.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.46%	
50) Toluene-d8	10.39	98	290595	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	13.55	95	91335	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	95702	50.790	ug/l	86
3) Chloromethane	1.74	50	80621	59.214	ug/l	91
4) Vinyl Chloride	1.84	62	73242	54.737	ug/l	95
5) Bromomethane	2.13	94	32304	103.032	ug/l	94
6) Chloroethane	2.26	64	35239	62.761	ug/l	95
7) Trichlorofluoromethane	2.51	101	142578	54.807	ug/l	94
8) Diethyl Ether	2.85	74	47361	94.399	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.13	101	88781	45.115	ug/l	97
10) Methyl Iodide	3.29	142	139840	47.017	ug/l	91
11) Tert butyl alcohol	4.03	59	63894	683.678	ug/l #	94
12) 1,1-Dichloroethene	3.10	96	80391	53.515	ug/l	97
13) Acrolein	3.02	56	272	2.814	ug/l #	18
14) Allyl chloride	3.60	41	138458	63.391	ug/l #	88
15) Acrylonitrile	4.16	53	137349	559.135	ug/l	97
16) Acetone	3.19	43	183737	478.539	ug/l #	83
17) Carbon Disulfide	3.36	76	192065	44.446	ug/l	100
18) Methyl Acetate	3.61	43	375016	549.146	ug/l	91
19) Methyl tert-butyl Ether	4.21	73	319247	99.149	ug/l	96
20) Methylene Chloride	3.79	84	151611	94.571	ug/l	93
21) trans-1,2-Dichloroethene	4.19	96	89082	53.291	ug/l	95
22) Diisopropyl ether	5.08	45	376170	80.933	ug/l #	85
23) Vinyl Acetate	5.07	43	162319	66.191	ug/l #	77
24) 1,1-Dichloroethane	4.95	63	161728	57.679	ug/l	99
25) 2-Butanone	6.04	43	222340	530.896	ug/l	98
26) 2,2-Dichloropropane	5.99	77	152217	54.499	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	107542	57.476	ug/l	98
28) Bromochloromethane	6.41	49	96801	87.749	ug/l	87
29) Tetrahydrofuran	6.42	42	115132	596.642	ug/l	95
30) Chloroform	6.64	83	217303	64.306	ug/l	99
31) Cyclohexane	6.92	56	66597	34.668	ug/l	93
32) 1,1,1-Trichloroethane	6.84	97	169356	53.023	ug/l	96
36) 1,1-Dichloropropene	7.12	75	96827	40.806	ug/l	93
37) Ethyl Acetate	6.15	43	19718	19.595	ug/l #	88
38) Carbon Tetrachloride	7.08	117	155826	47.447	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	50506	22.215	ug/l	97
40) Benzene	7.42	78	269818	50.357	ug/l	100
41) Methacrylonitrile	6.42	41	127233	103.464	ug/l #	79
42) 1,2-Dichloroethane	7.55	62	197159	86.848	ug/l	97
43) Isopropyl Acetate	9.22	43	14294	10.016	ug/l #	87
44) Trichloroethene	8.52	130	85198	41.728	ug/l	93
45) 1,2-Dichloropropane	8.91	63	80984	61.104	ug/l	97
46) Dibromomethane	9.04	93	86793	80.531	ug/l	90
47) Bromodichloromethane	9.35	83	178215	67.602	ug/l	98
48) Methyl methacrylate	9.10	41	107491	122.279	ug/l	89
49) 1,4-Dioxane	9.05	88	21804	2298.865	ug/l #	74
51) 4-Methyl-2-Pentanone	10.28	43	416112	453.586	ug/l	93
52) Toluene	10.49	92	157631	45.215	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	141253	61.996	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	146120	58.787	ug/l	91
55) 1,1,2-Trichloroethane	11.16	97	97609	79.131	ug/l	98
56) Ethyl methacrylate	11.02	69	12040	9.393	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	147475	79.137	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	270283	386.027	ug/l	99
59) 2-Hexanone	11.51	43	261337	386.510	ug/l	93
60) Dibromochloromethane	11.67	129	144668	67.863	ug/l	99
61) 1,2-Dibromoethane	11.78	107	113499	75.683	ug/l	99
64) Tetrachloroethene	11.23	164	58135	39.206	ug/l	95
65) Chlorobenzene	12.38	112	165775	46.937	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.49	131	104288	67.847	ug/l	94
67) Ethyl Benzene	12.50	91	257314	43.518	ug/l	96
68) m/p-Xylenes	12.65	106	184117	85.587	ug/l	86
69) o-Xylene	13.03	106	94342	47.171	ug/l	85
70) Styrene	13.05	104	148604	43.862	ug/l #	92
71) Bromoform	13.22	173	99111	92.677	ug/l #	96
73) Isopropylbenzene	13.39	105	220600	58.603	ug/l	94
74) N-amyl acetate	13.25	43	5873	5.951	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.68	83	105185	147.601	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	106065	142.120	ug/l	97
77) Bromobenzene	13.65	156	76997	73.068	ug/l	89
78) n-propylbenzene	13.76	91	203786	45.383	ug/l	98
79) 2-Chlorotoluene	13.83	91	126065	49.020	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	159190	50.220	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.46	75	29369	139.397	ug/l #	76
82) 4-Chlorotoluene	13.93	91	154035	50.899	ug/l	81
83) tert-Butylbenzene	14.18	119	201642	56.595	ug/l	88
84) 1,2,4-Trimethylbenzene	14.22	105	182038	57.228	ug/l	91
85) sec-Butylbenzene	14.35	105	130659	33.448	ug/l	94
86) p-Isopropyltoluene	14.48	119	124515	35.676	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	83412	43.331	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	84634	44.746	ug/l	95
89) n-Butylbenzene	14.79	91	85276	27.222	ug/l	90
90) Hexachloroethane	14.99	117	39631	41.755	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	88811	56.020	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17754	151.770	ug/l	78

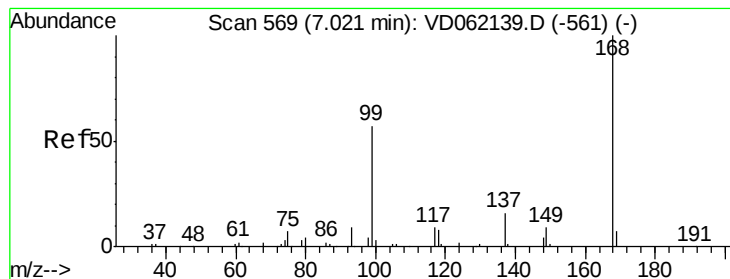
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	32649	28.294	ug/l	92
94) Hexachlorobutadiene	16.03	225	10674	12.437	ug/l	93
95) Naphthalene	16.11	128	83003	51.523	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	21790	30.034	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

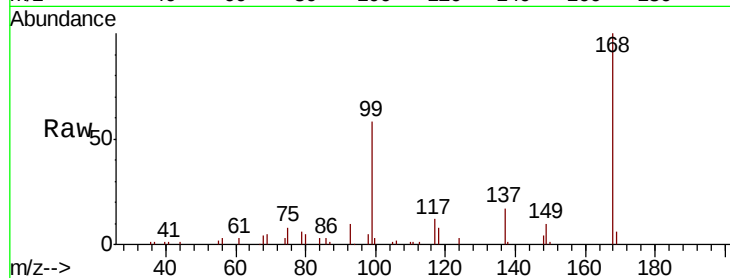
P026-SS002-1218-01MSD

Tot Ion:168 Resp: 197014

Ion Ratio Lower Upper

168 100

99 58.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

60000

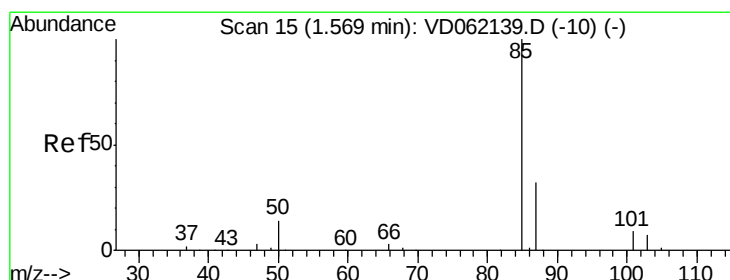
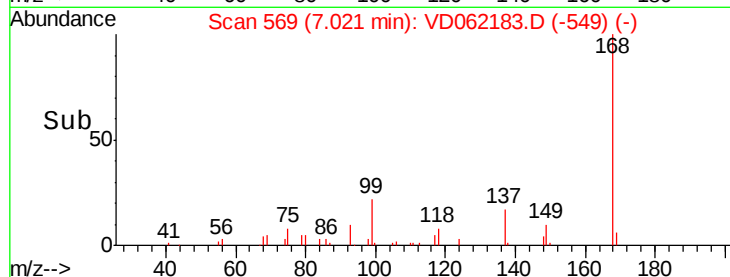
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.790 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062183.D

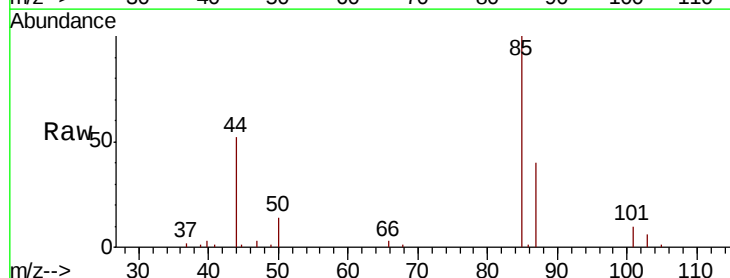
Acq: 8 May 2019 19:27

Tgt Ion: 85 Resp: 95702

Ion Ratio Lower Upper

85 100

87 40.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

50000

40000

30000

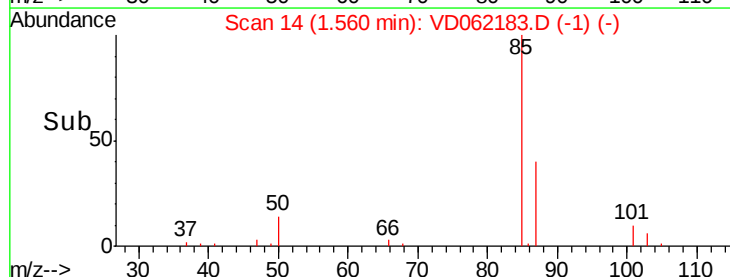
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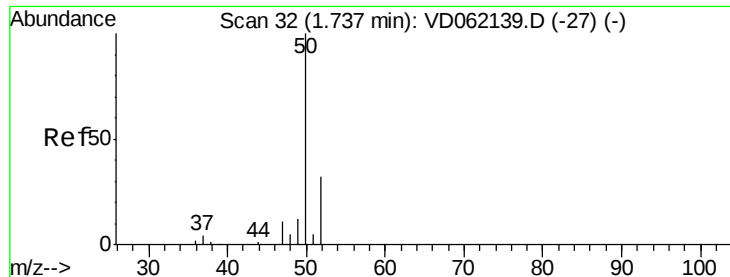
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 59.214 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

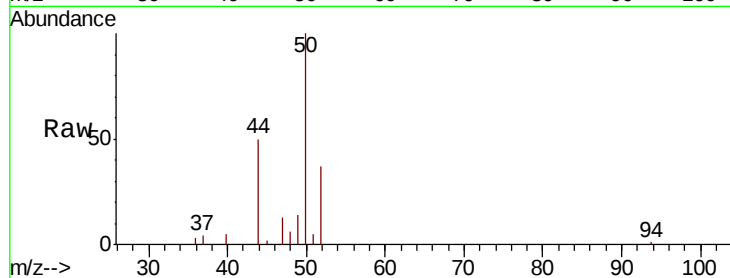
P026-SS002-1218-01MSD

Tot Ion: 50 Resp: 80621

Ion Ratio Lower Upper

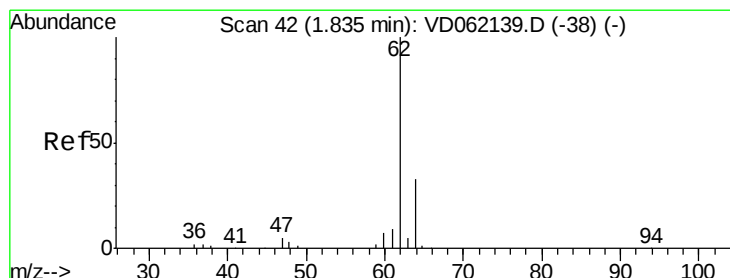
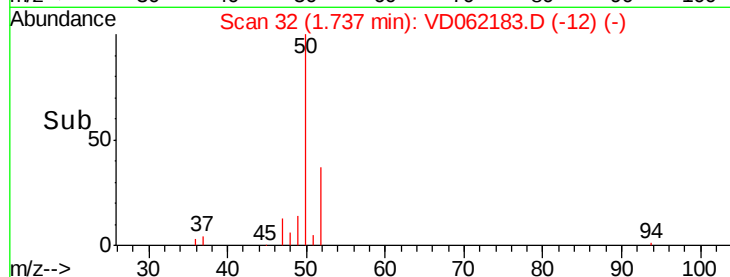
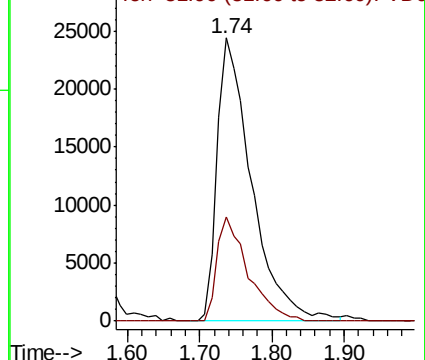
50 100

52 36.7 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: 54.737 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062183.D

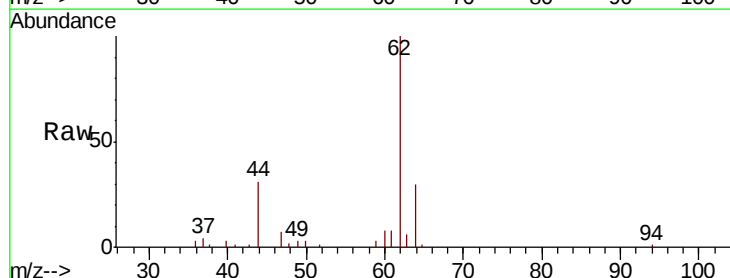
Acq: 8 May 2019 19:27

Tgt Ion: 62 Resp: 73242

Ion Ratio Lower Upper

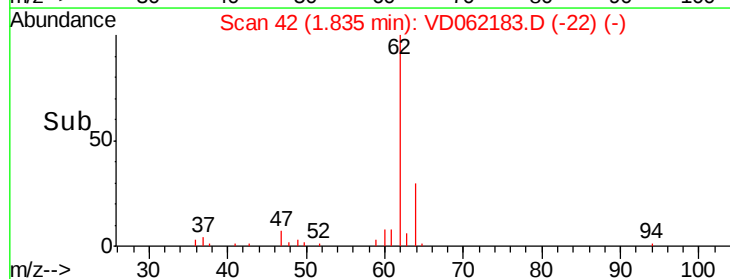
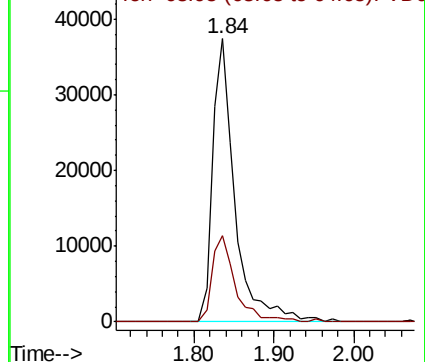
62 100

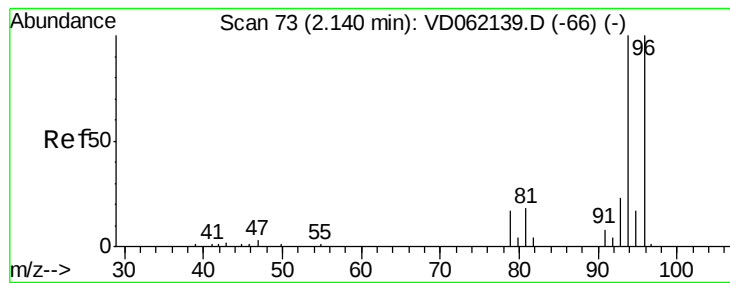
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 103.032 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

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ClientSampleId :

P026-SS002-1218-01MSD

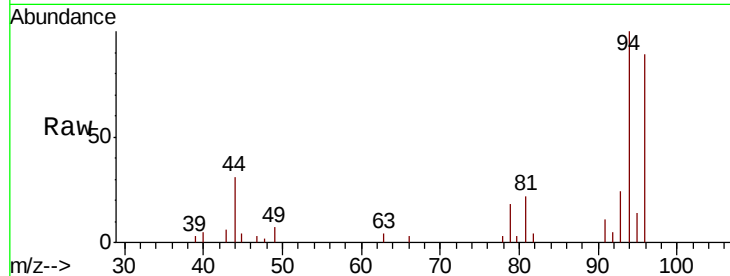
Tot Ion: 94 Resp: 32304

Ion Ratio Lower Upper

94 100

96 89.3 76.6 115.0

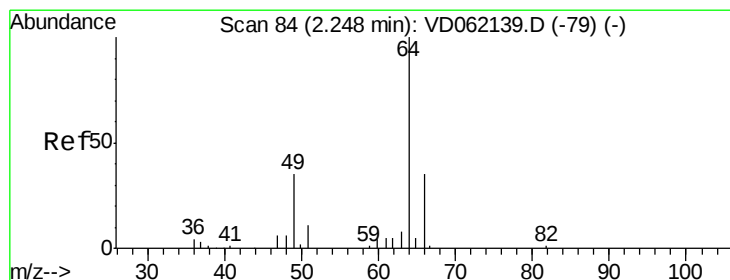
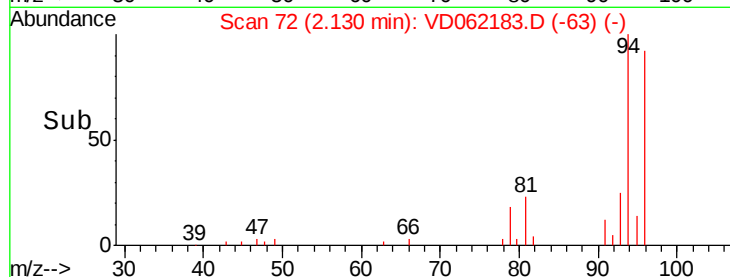
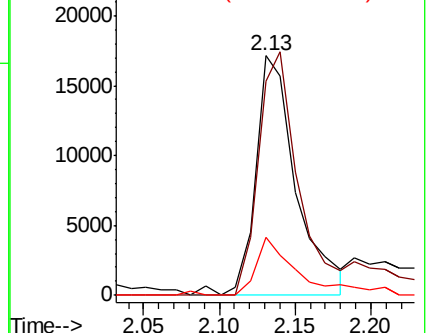
93 24.2 18.5 27.7



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: 62.761 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062183.D

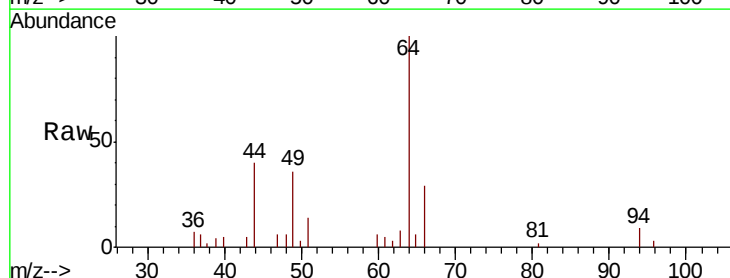
Acq: 8 May 2019 19:27

Tgt Ion: 64 Resp: 35239

Ion Ratio Lower Upper

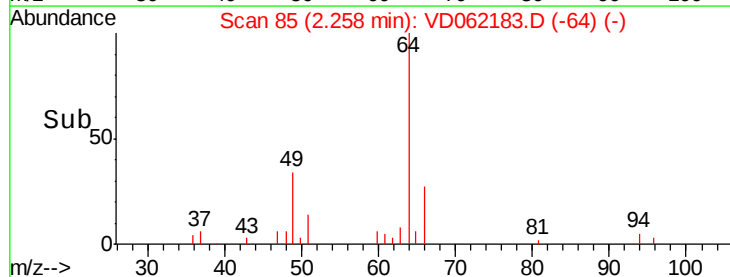
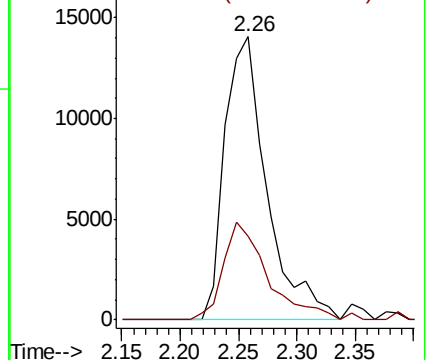
64 100

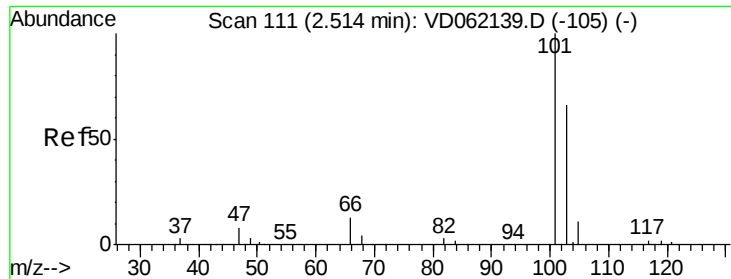
66 29.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



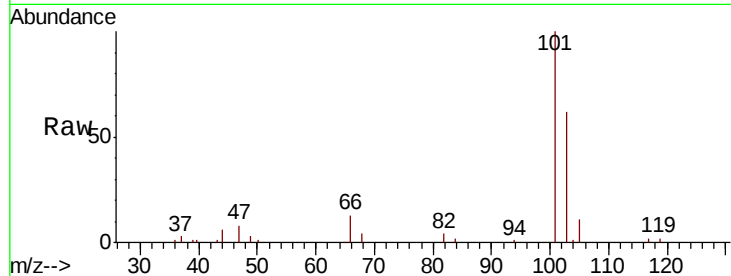


#7

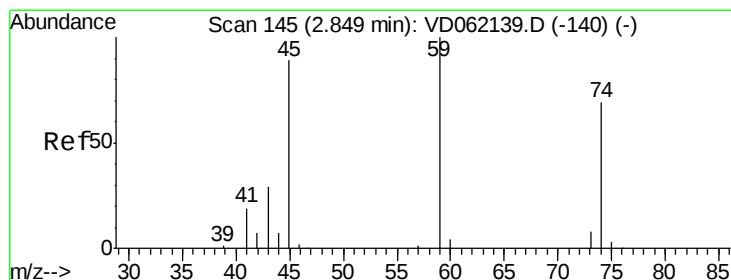
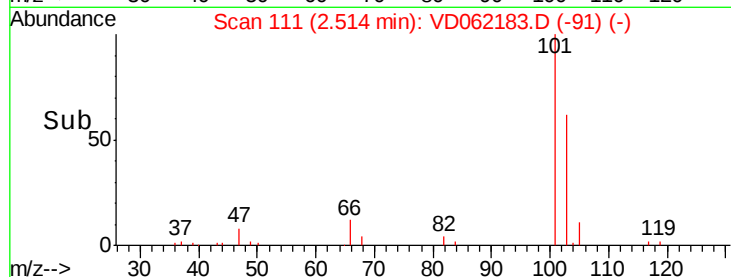
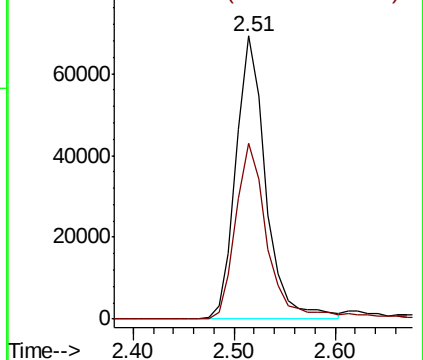
Trichlorofluoromethane
Concen: 54.807 ug/l
RT: 2.51 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion:101 Resp: 142578
Ion Ratio Lower Upper
101 100
103 62.1 53.6 80.4



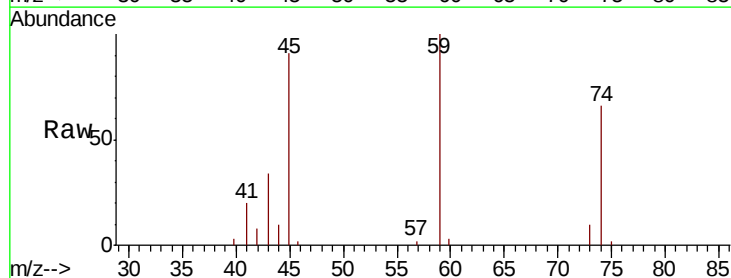
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



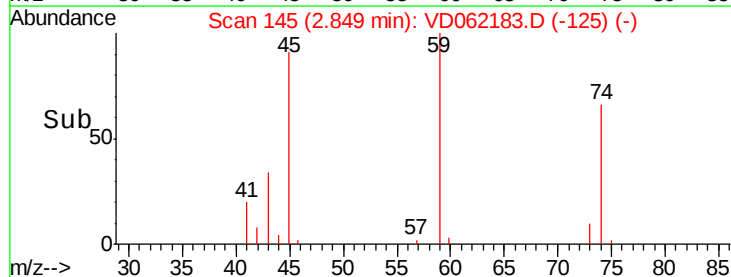
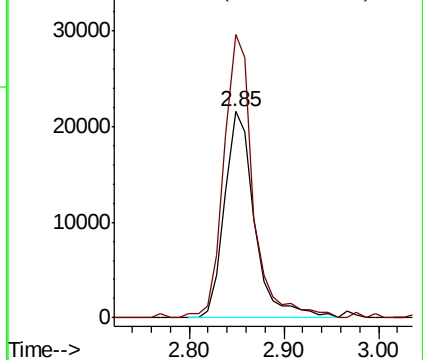
#8

Diethyl Ether
Concen: 94.399 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 74 Resp: 47361
Ion Ratio Lower Upper
74 100
45 139.6 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.115 ug/l

RT: 3.13 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

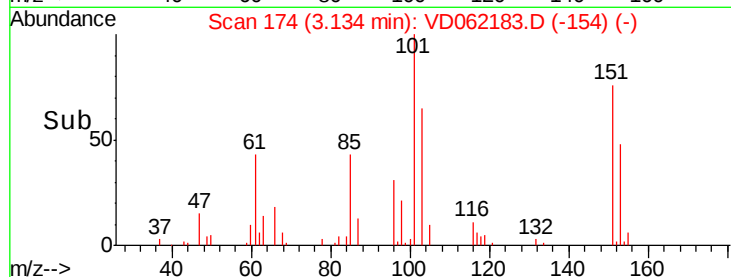
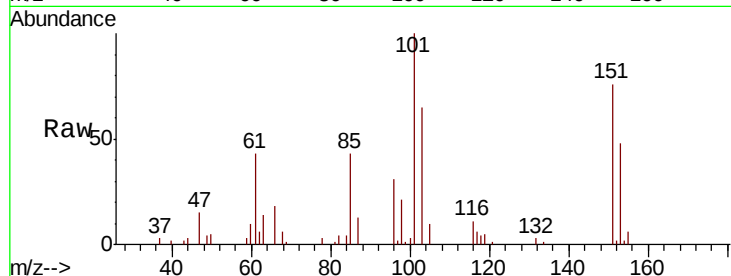
Tot Ion:101 Resp: 88781

Ion Ratio Lower Upper

101 100

85 42.9 32.4 48.6

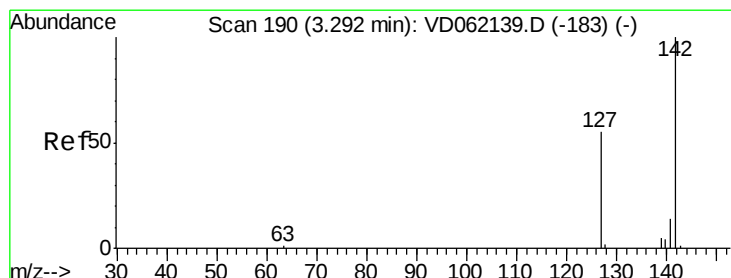
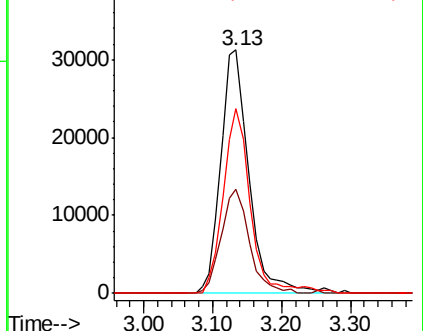
151 76.1 59.4 89.0



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: 47.017 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

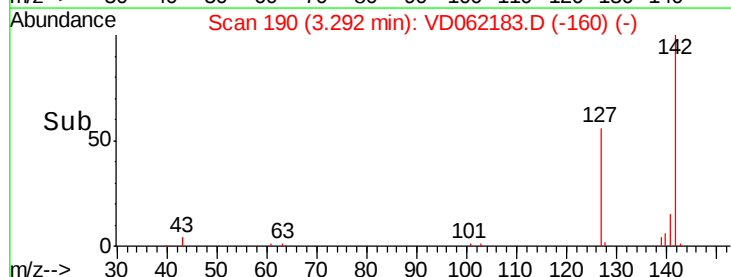
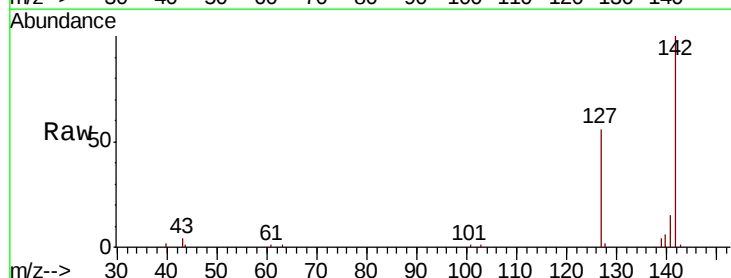
Tgt Ion:142 Resp: 139840

Ion Ratio Lower Upper

142 100

127 55.8 38.8 58.2

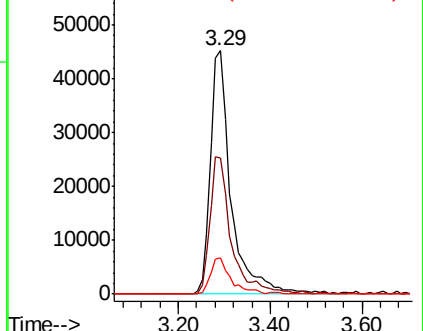
141 14.8 11.4 17.0



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

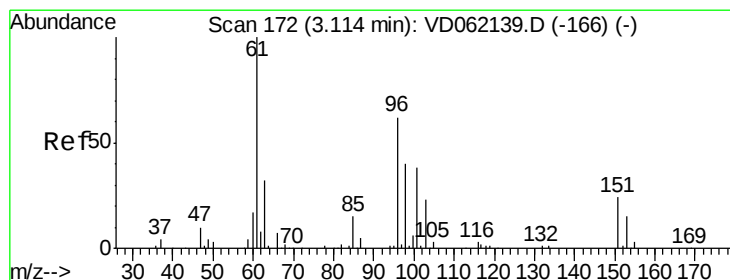
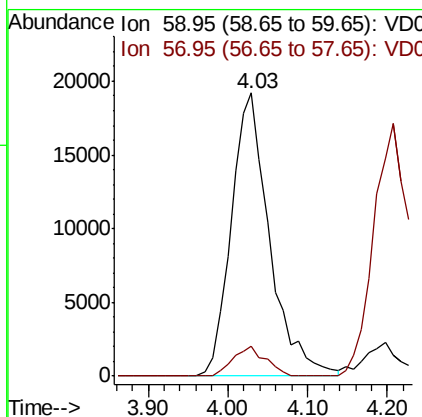
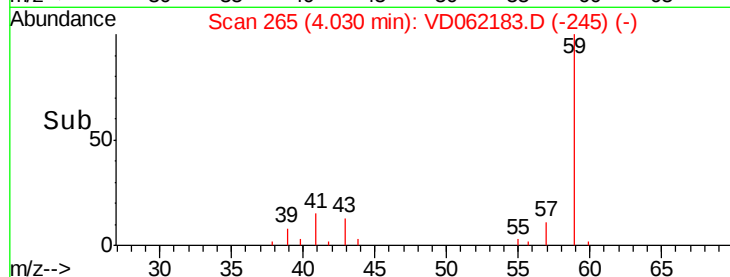
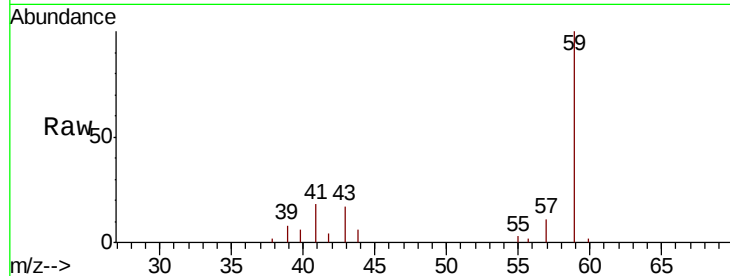




#11
Tert butyl alcohol
Concen: 683.678 ug/l
RT: 4.03 min Scan# 265
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

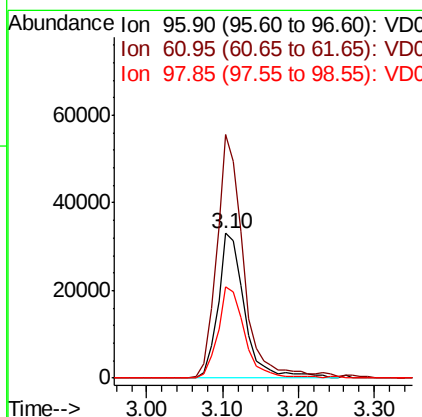
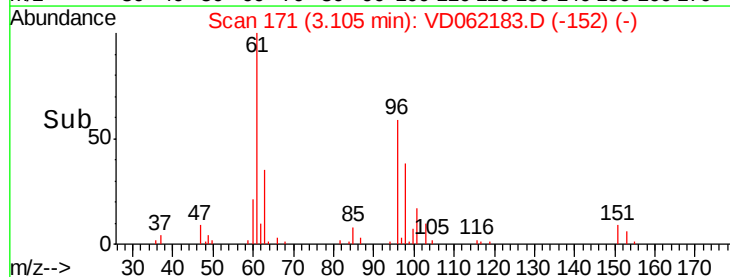
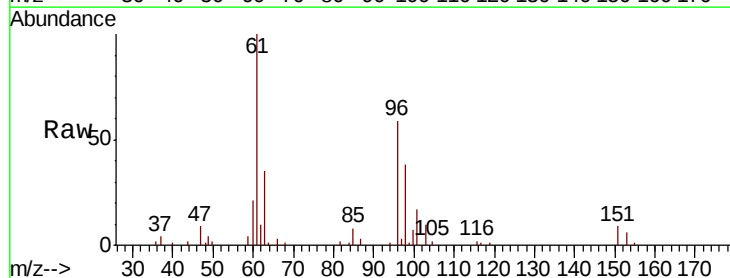
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

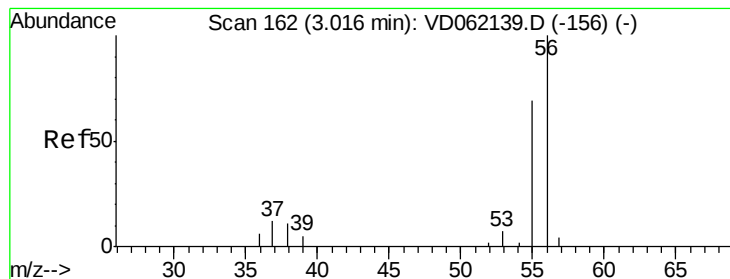
Tot Ion: 59 Resp: 63894
Ion Ratio Lower Upper
59 100
57 10.6 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 53.515 ug/l
RT: 3.10 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 96 Resp: 80391
Ion Ratio Lower Upper
96 100
61 168.2 129.8 194.8
98 63.2 51.2 76.8





#13

Acrolein

Concen: 2.814 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

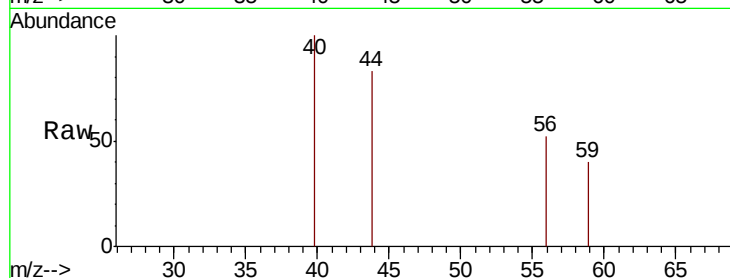
P026-SS002-1218-01MSD

Tot Ion: 56 Resp: 272

Ion Ratio Lower Upper

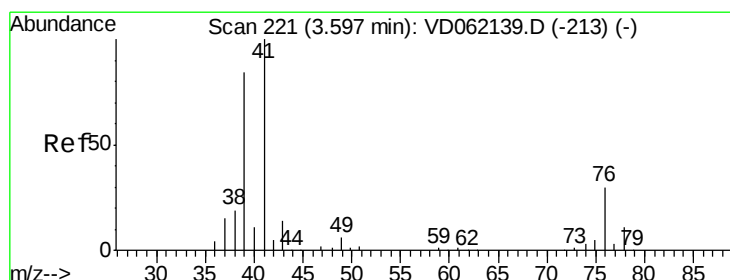
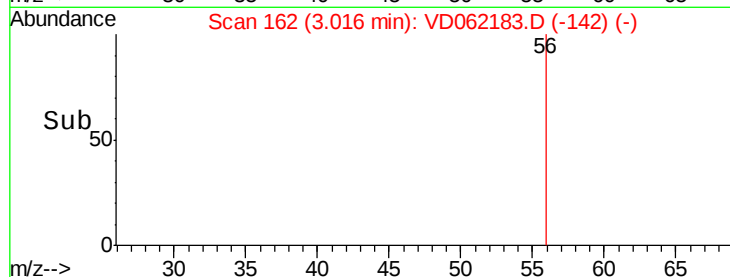
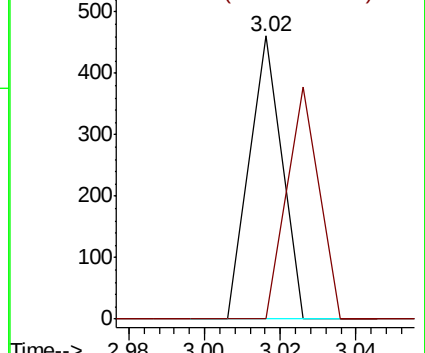
56 100

55 0.0 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 63.391 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

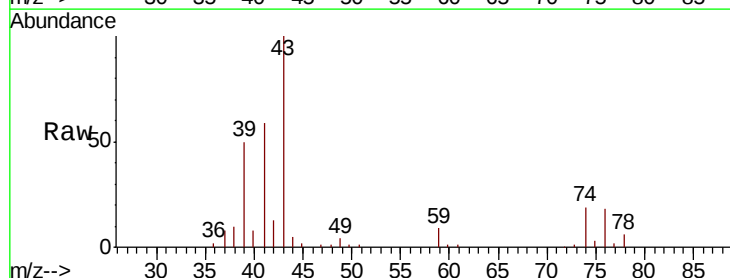
Tgt Ion: 41 Resp: 138458

Ion Ratio Lower Upper

41 100

39 85.7 60.5 90.7

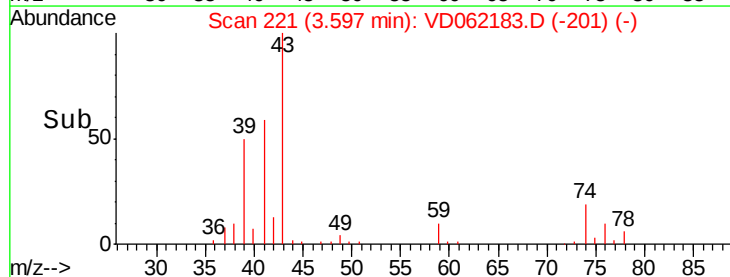
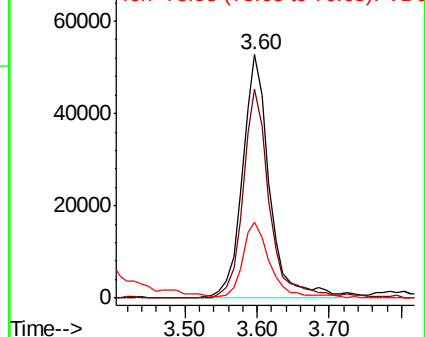
76 31.4 31.8 47.8#

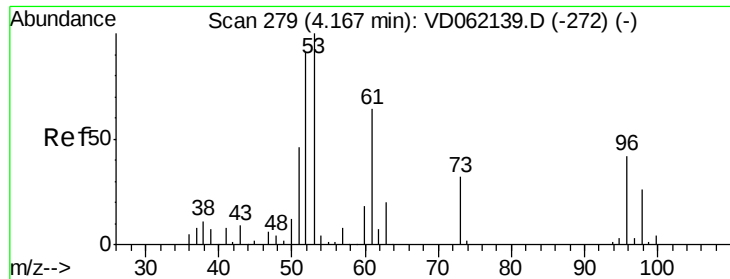


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 559.135 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

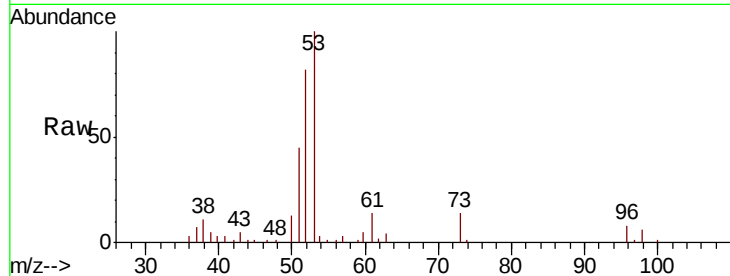
Tot Ion: 53 Resp: 137349

Ion Ratio Lower Upper

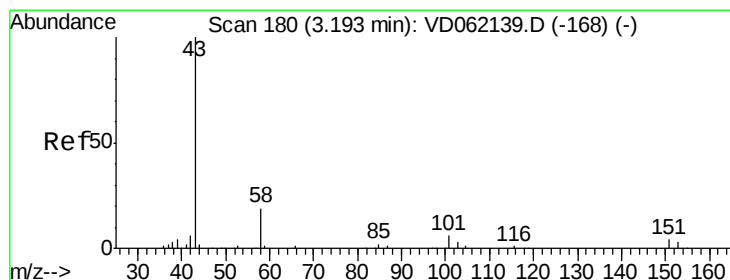
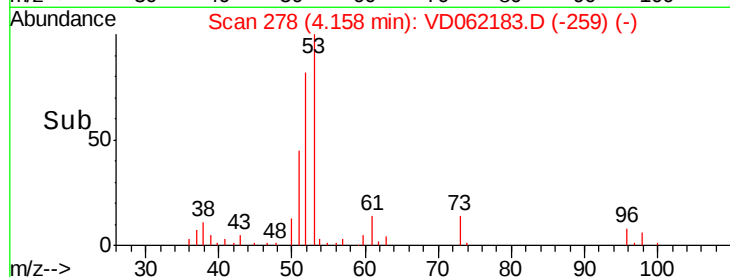
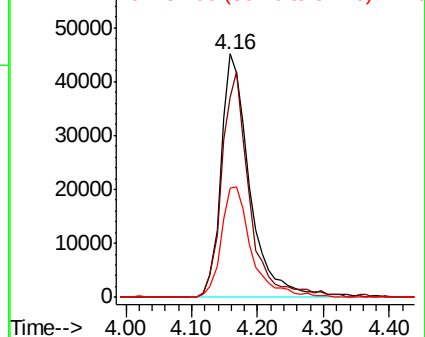
53 100

52 82.0 65.0 97.4

51 45.0 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: 478.539 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062183.D

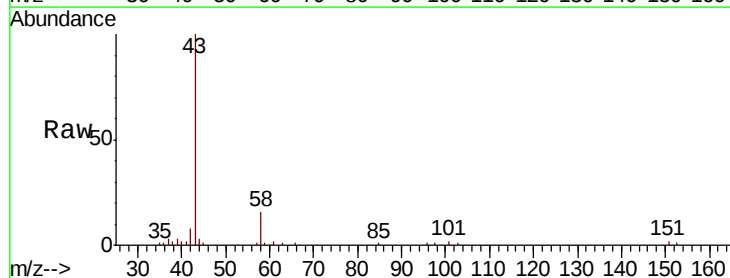
Acq: 8 May 2019 19:27

Tgt Ion: 43 Resp: 183737

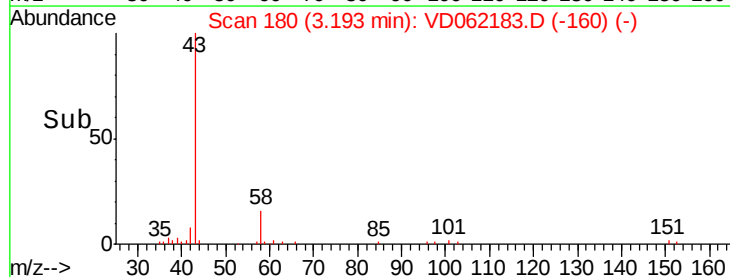
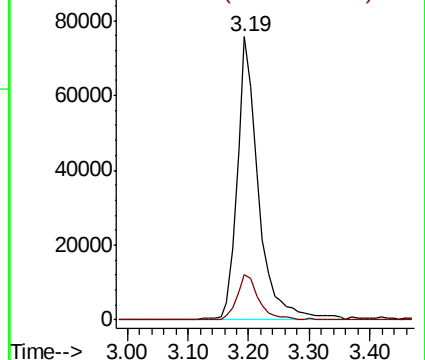
Ion Ratio Lower Upper

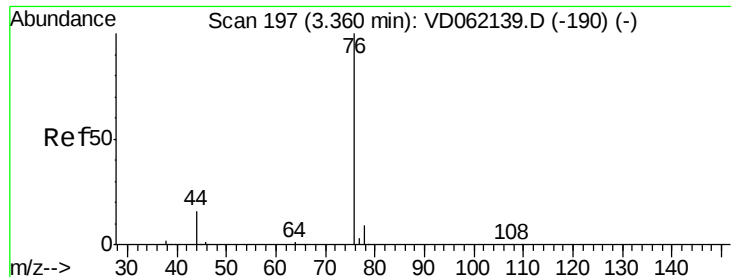
43 100

58 16.2 19.9 29.9#



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

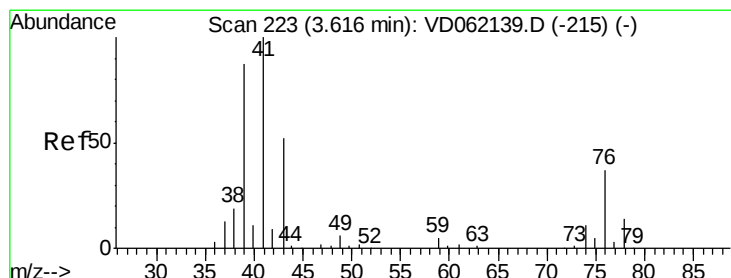
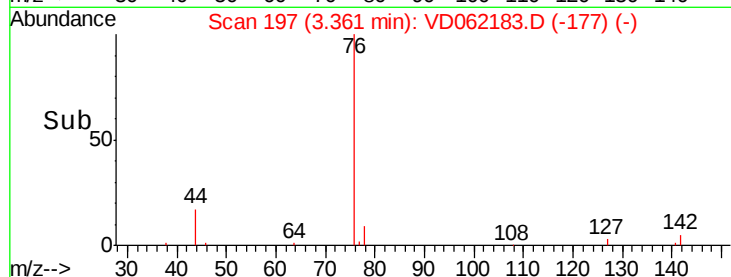
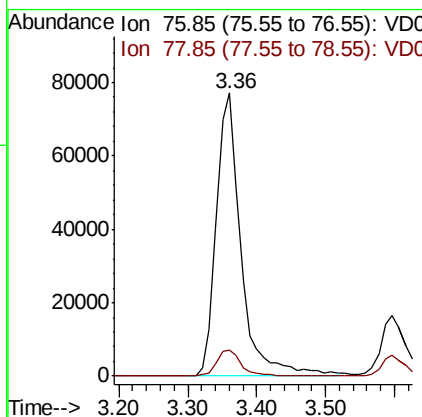
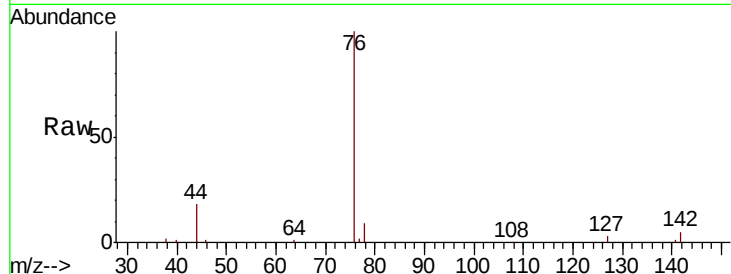




#17
Carbon Disulfide
Concen: 44.446 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

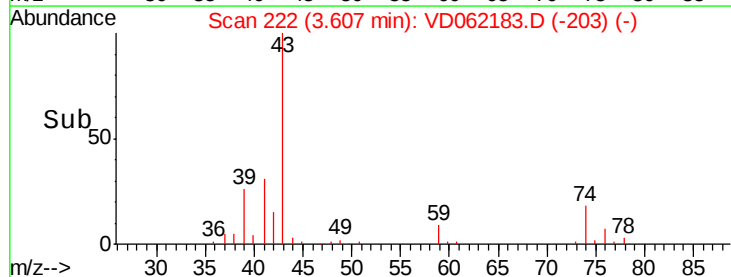
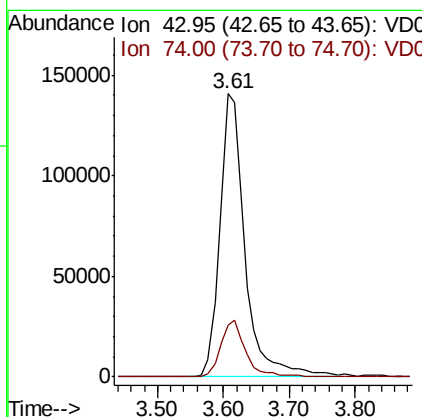
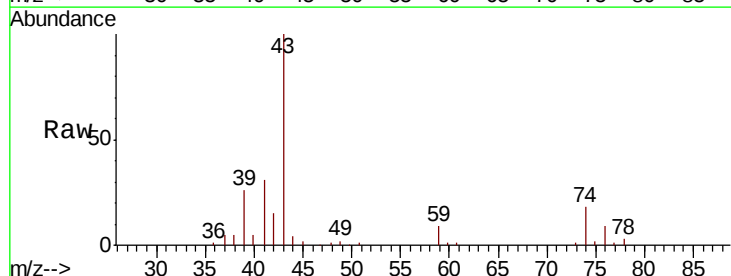
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

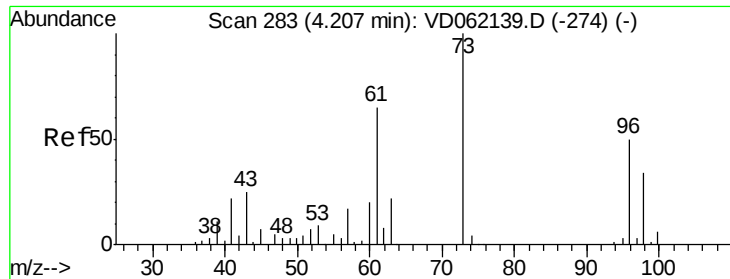
Tot Ion: 76 Resp: 192065
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 549.146 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 43 Resp: 375016
Ion Ratio Lower Upper
43 100
74 18.1 18.0 27.0

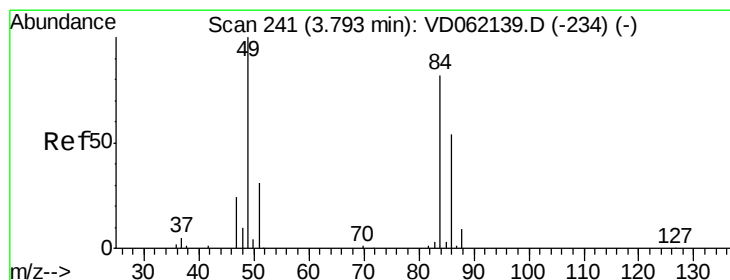
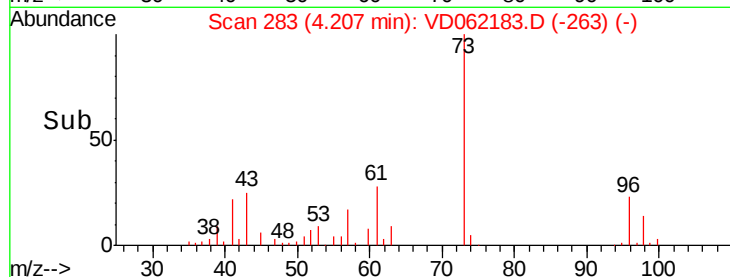
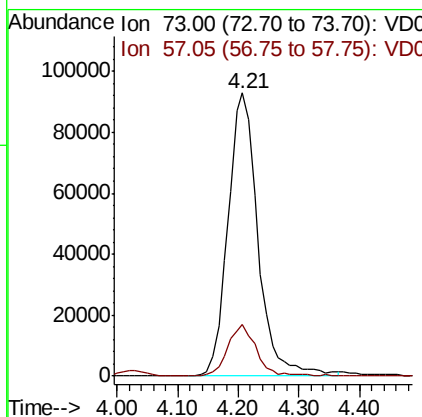
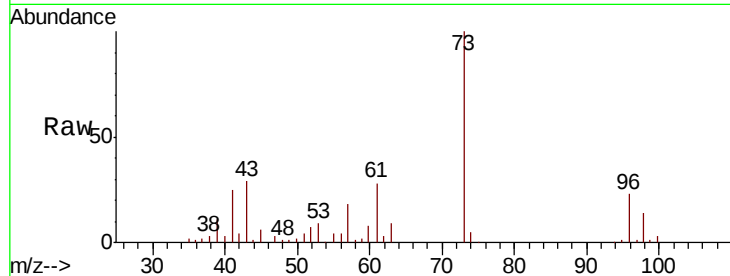




#19
Methyl tert-butyl Ether
Concen: 99.149 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

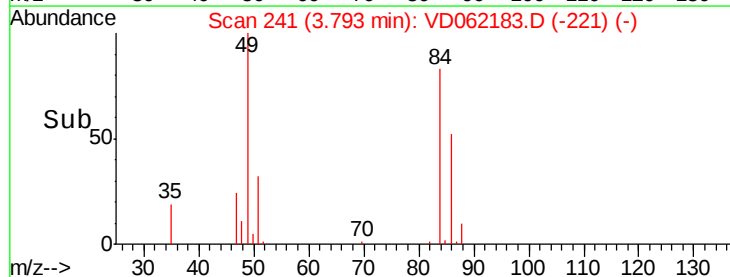
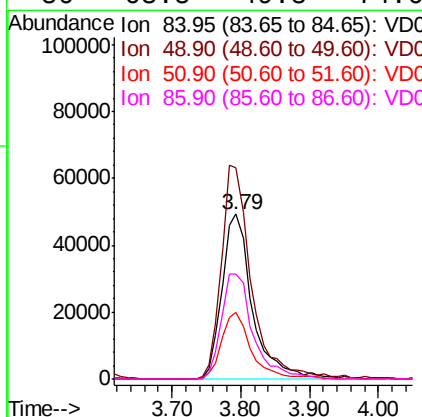
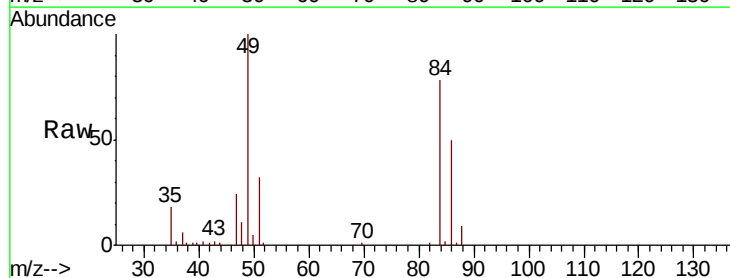
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 73 Resp: 319247
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 94.571 ug/l
RT: 3.79 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 84 Resp: 151611
Ion Ratio Lower Upper
84 100
49 127.7 94.0 141.0
51 40.3 29.0 43.4
86 63.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 53.291 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

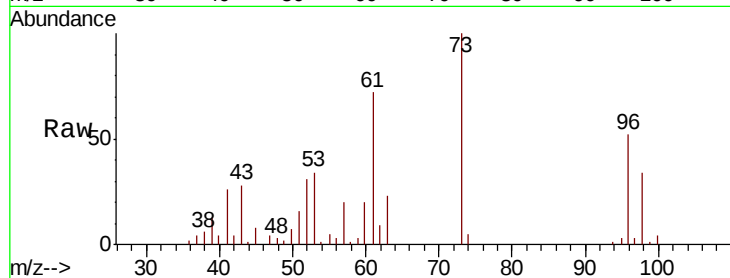
Tot Ion: 96 Resp: 89082

Ion Ratio Lower Upper

96 100

61 139.7 104.4 156.6

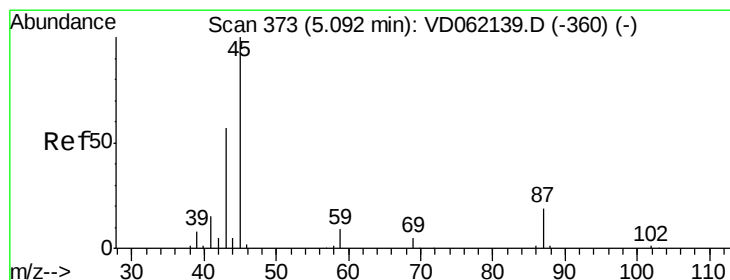
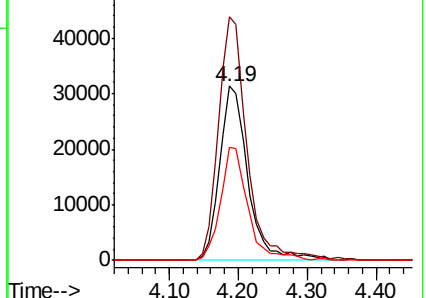
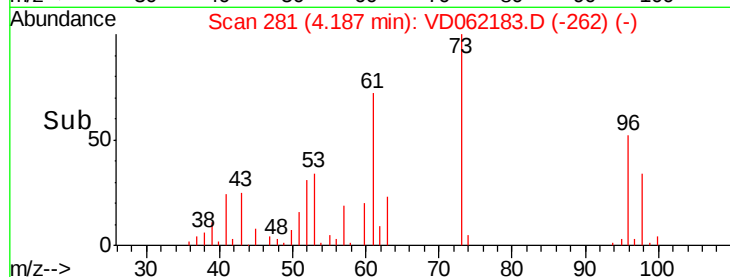
98 64.8 51.8 77.8



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: 80.933 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Tgt Ion: 45 Resp: 376170

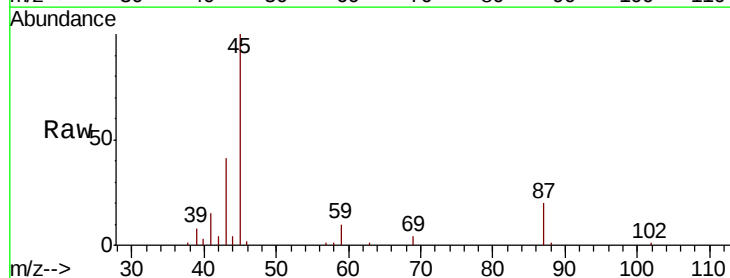
Ion Ratio Lower Upper

45 100

43 41.4 46.2 69.2#

87 19.8 15.9 23.9

59 10.2 7.9 11.9

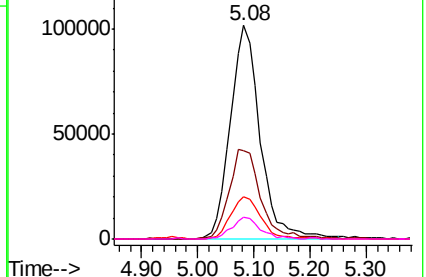
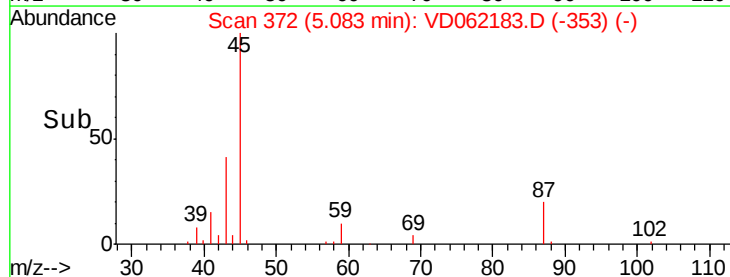


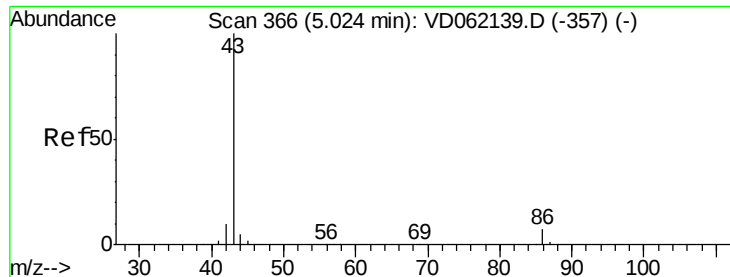
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 66.191 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

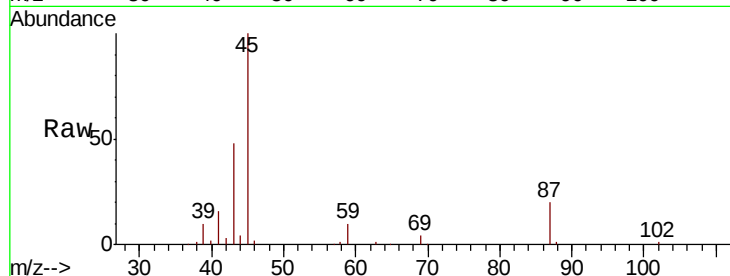
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 162319

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

5.07

40000

30000

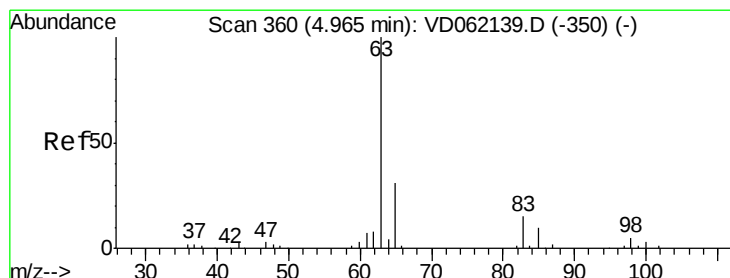
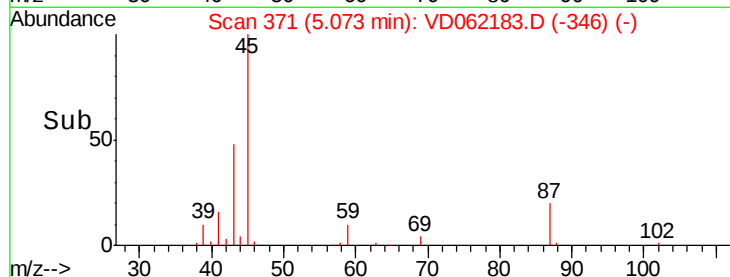
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 57.679 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

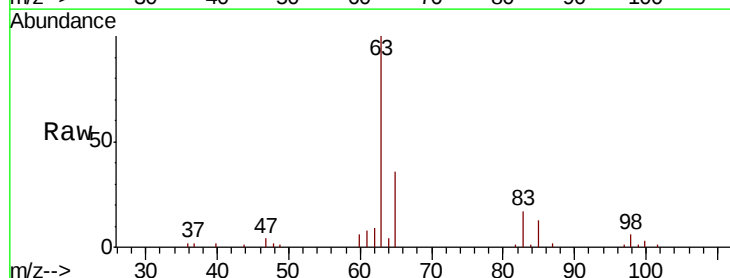
Tgt Ion: 63 Resp: 161728

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.2 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

4.95

60000

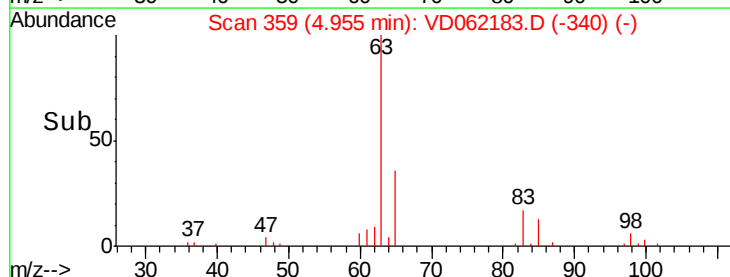
40000

20000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 530.896 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

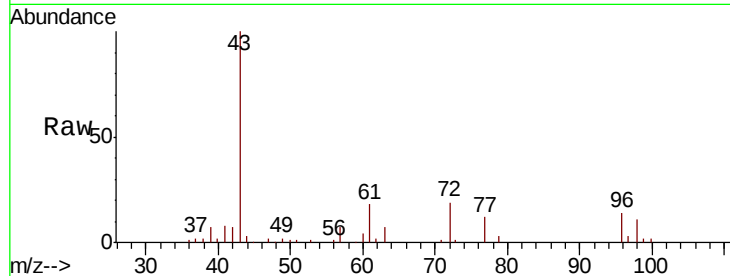
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 222340

Ion Ratio Lower Upper

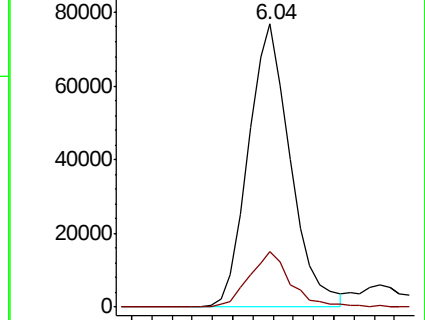
43 100

72 19.4 16.2 24.4

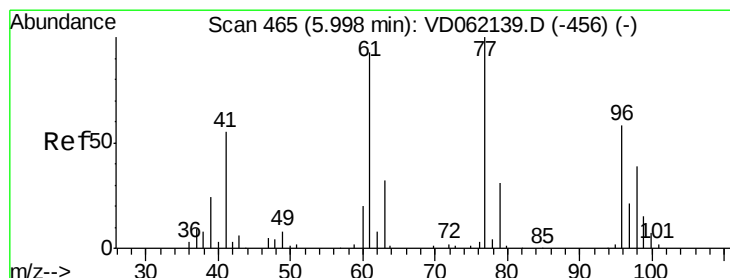
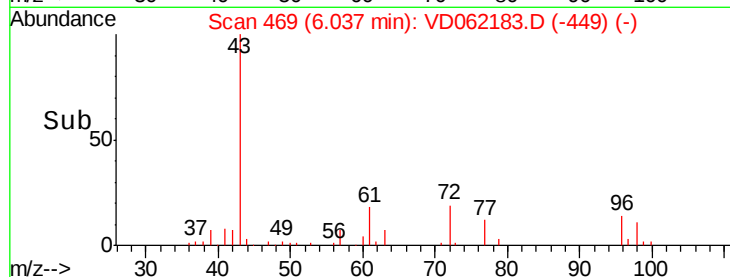


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 54.499 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD062183.D

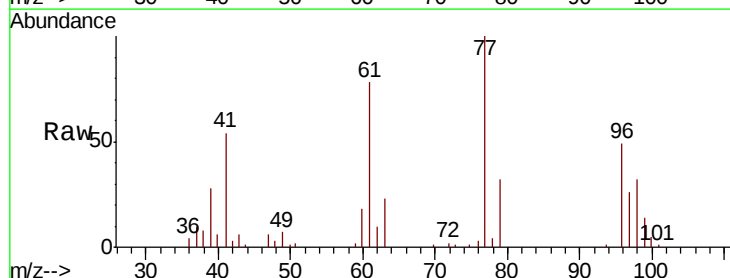
Acq: 8 May 2019 19:27

Tgt Ion: 77 Resp: 152217

Ion Ratio Lower Upper

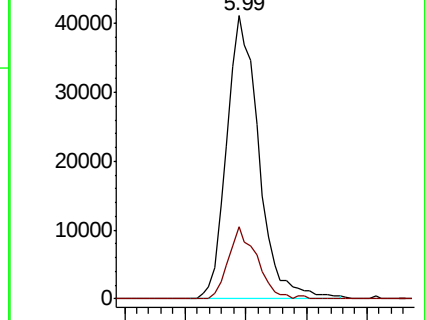
77 100

97 25.5 11.9 35.9

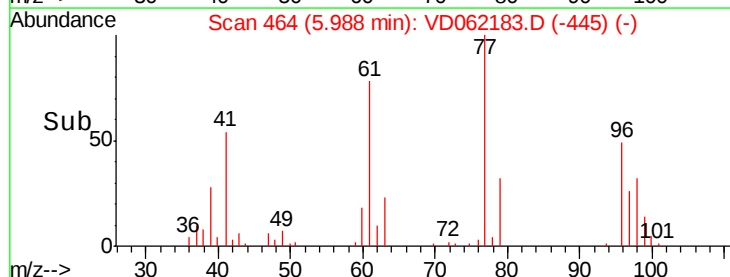


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.80 5.90 6.00 6.10 6.20



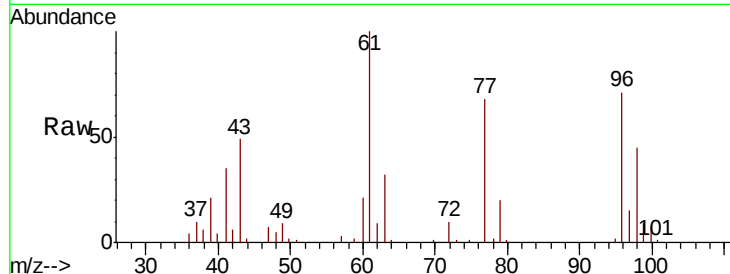


#27

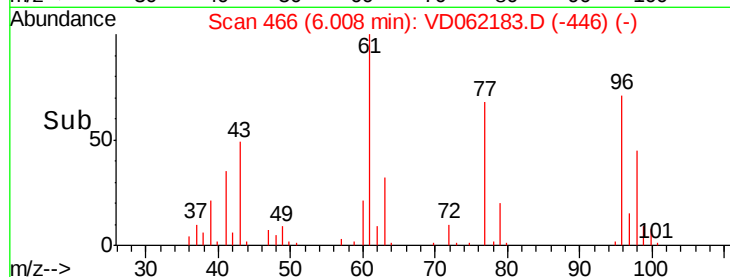
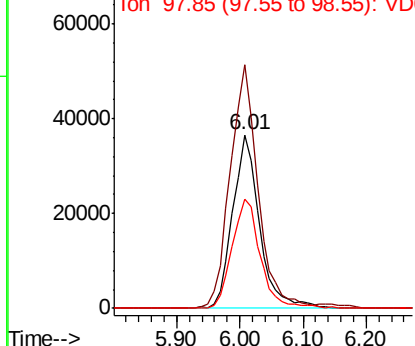
cis-1,2-Dichloroethene
Concen: 57.476 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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

Tot Ion: 96 Resp: 107542
Ion Ratio Lower Upper
96 100
61 140.3 0.0 279.8
98 63.0 0.0 136.0



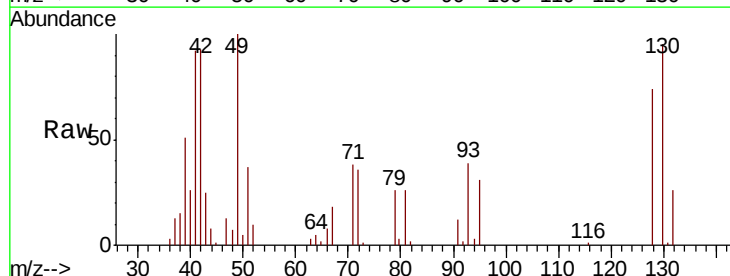
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



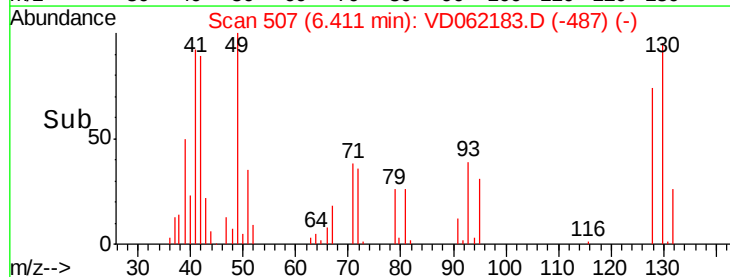
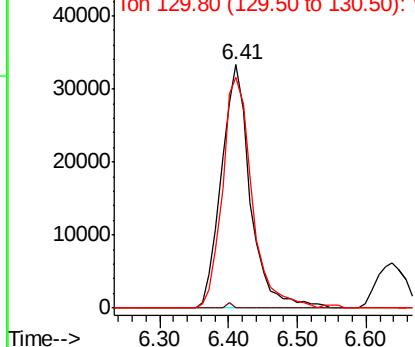
#28

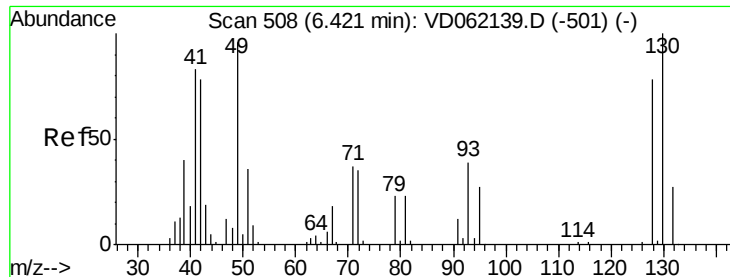
Bromochloromethane
Concen: 87.749 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 49 Resp: 96801
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 94.9 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

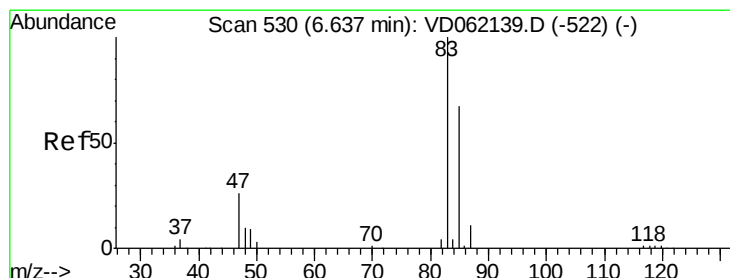
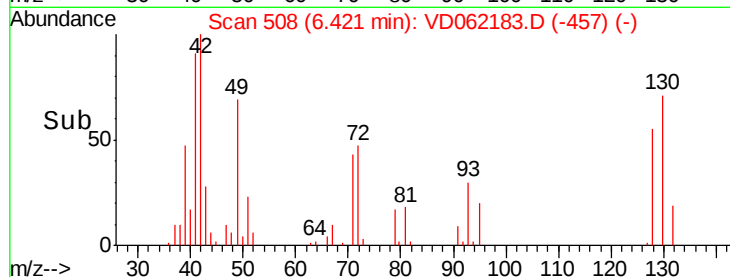
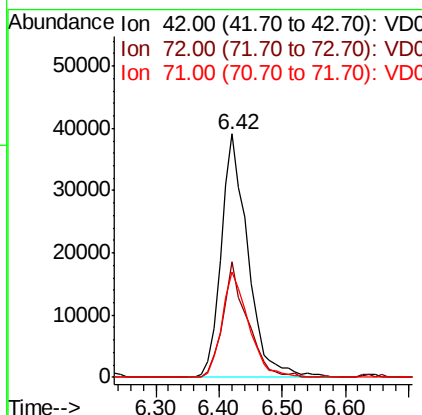
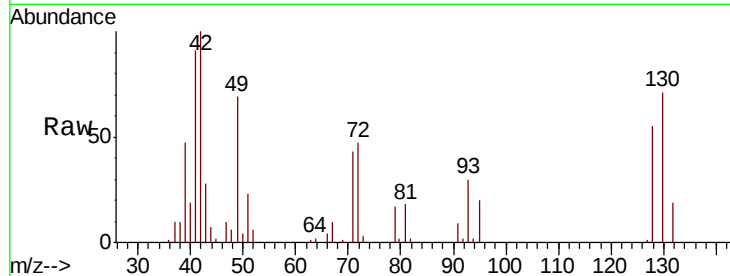




#29
Tetrahydrofuran
Concen: 596.642 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

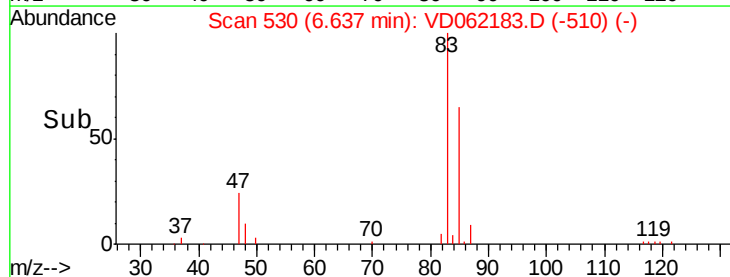
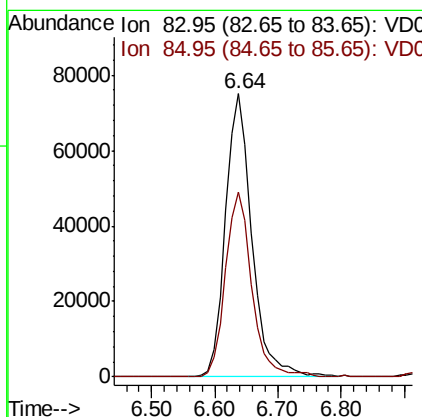
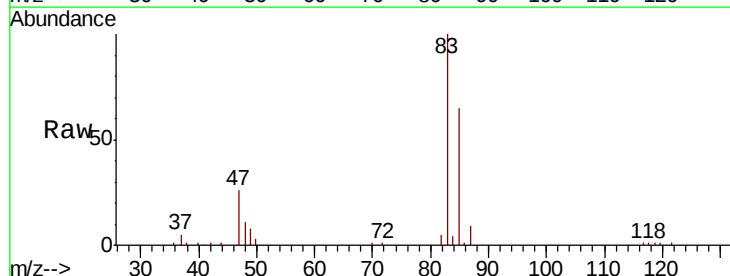
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

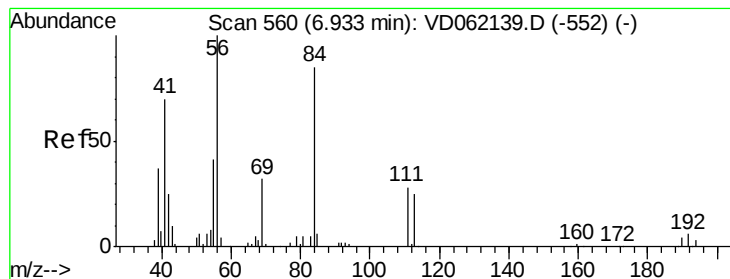
Tot Ion: 42 Resp: 115132
Ion Ratio Lower Upper
42 100
72 43.3 37.8 56.6
71 43.2 36.7 55.1



#30
Chloroform
Concen: 64.306 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 83 Resp: 217303
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5





#31

Cyclohexane

Concen: 34.668 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

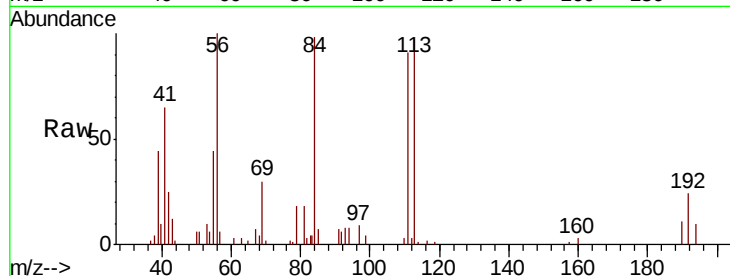
Tot Ion: 56 Resp: 66597

Ion Ratio Lower Upper

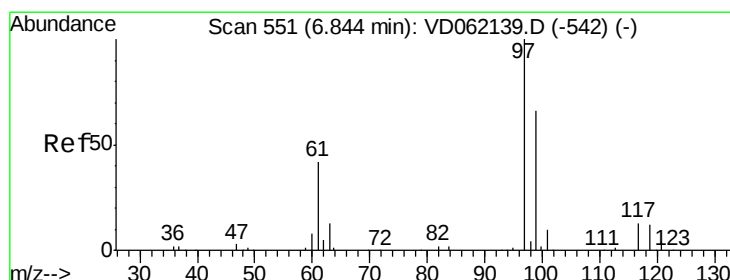
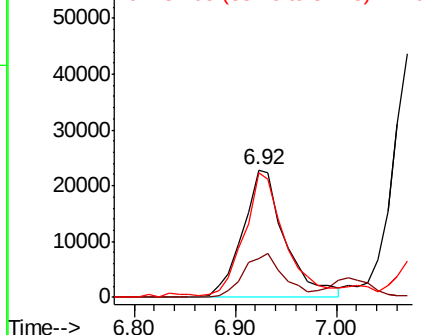
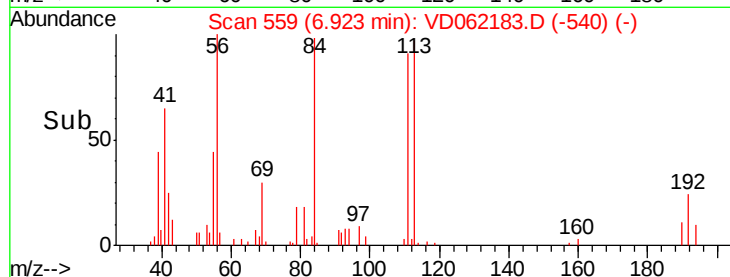
56 100

69 30.2 25.8 38.6

84 97.9 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: 53.023 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

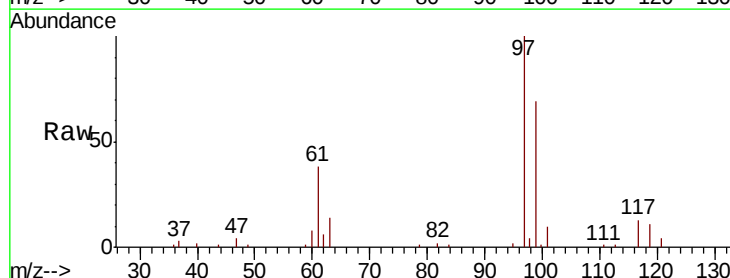
Tgt Ion: 97 Resp: 169356

Ion Ratio Lower Upper

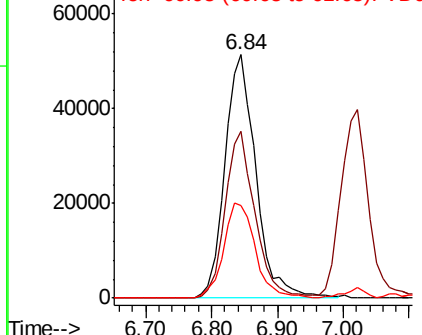
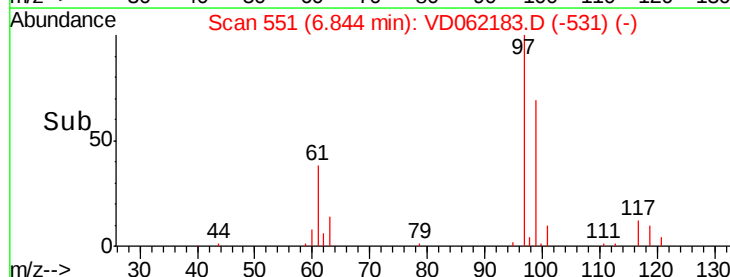
97 100

99 68.8 52.2 78.2

61 37.9 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

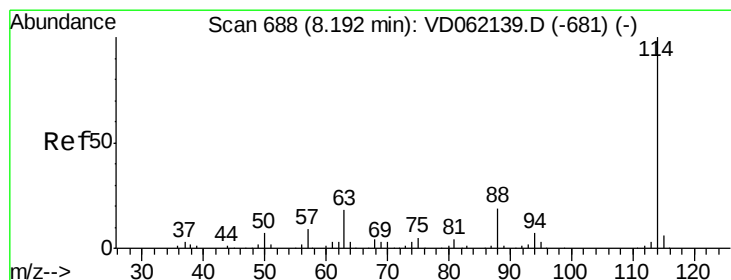
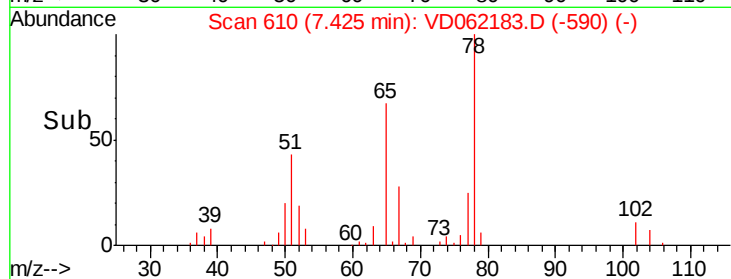
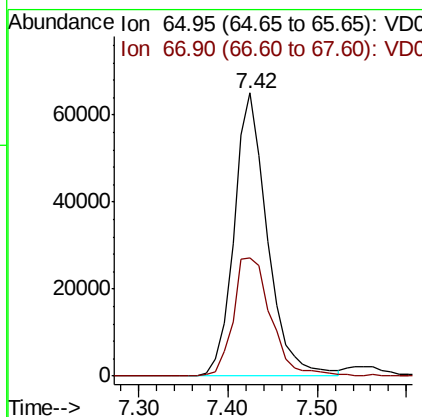
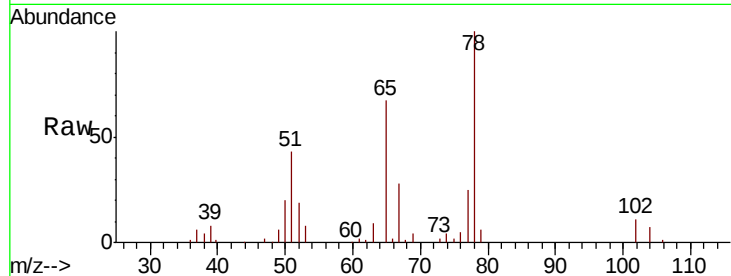




#33
 1,2-Dichloroethane-d4
 Concen: 92.503 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

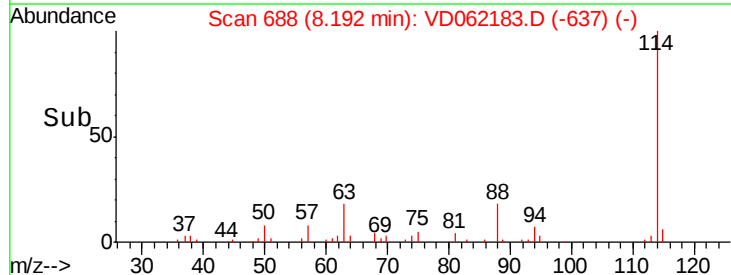
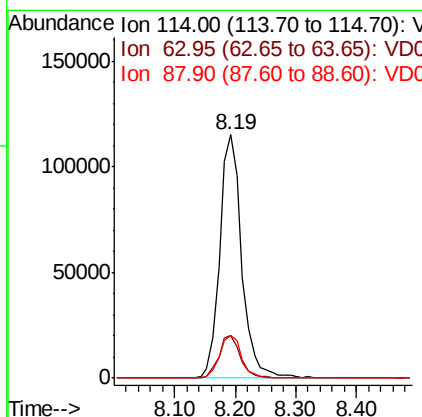
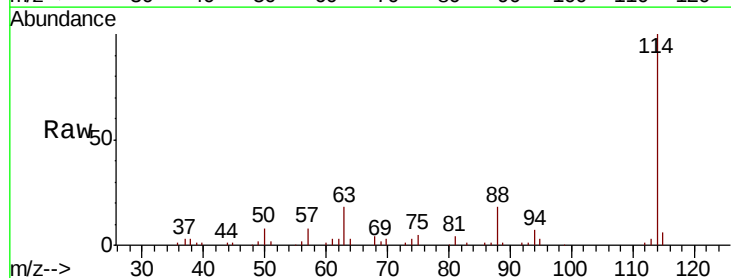
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

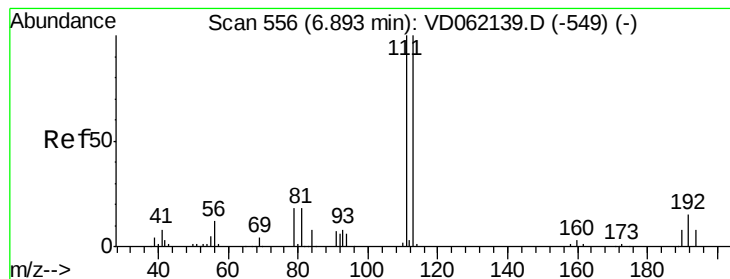
Tot Ion: 65 Resp: 169361
 Ion Ratio Lower Upper
 65 100
 67 41.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion: 114 Resp: 289405
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 32.4
 88 17.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 71.233 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

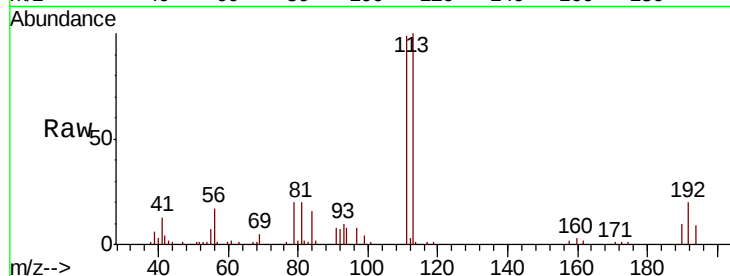
Tot Ion:113 Resp: 171047

Ion Ratio Lower Upper

113 100

111 99.4 78.5 117.7

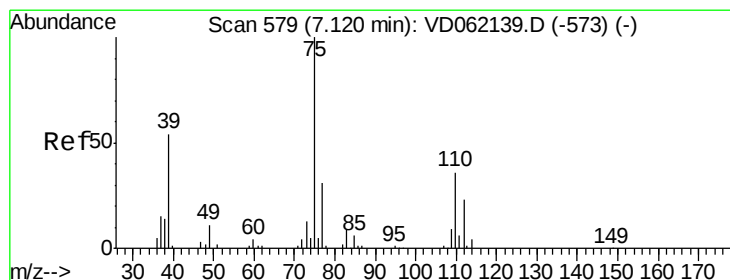
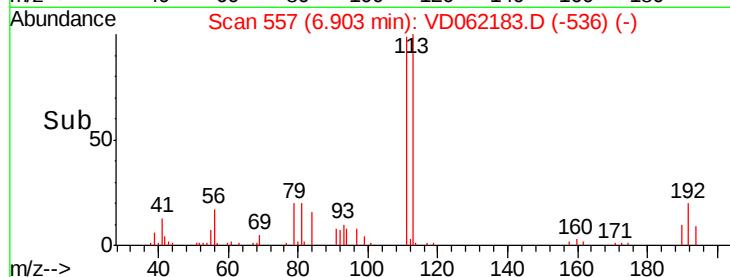
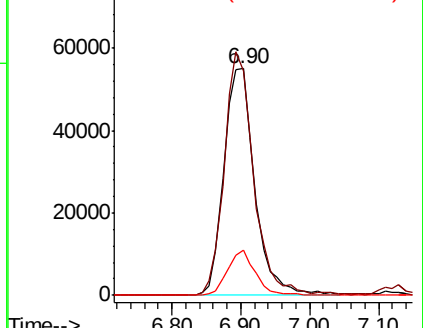
192 19.7 13.0 19.4#



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: 40.806 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

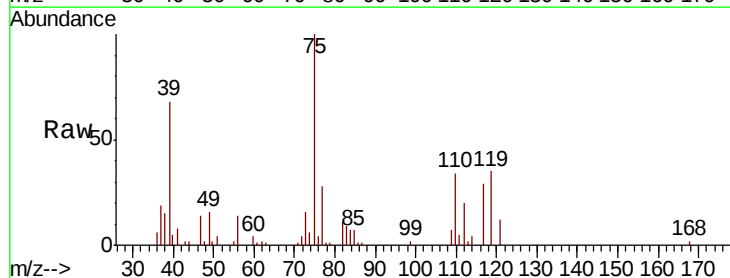
Tgt Ion: 75 Resp: 96827

Ion Ratio Lower Upper

75 100

110 34.2 19.1 57.1

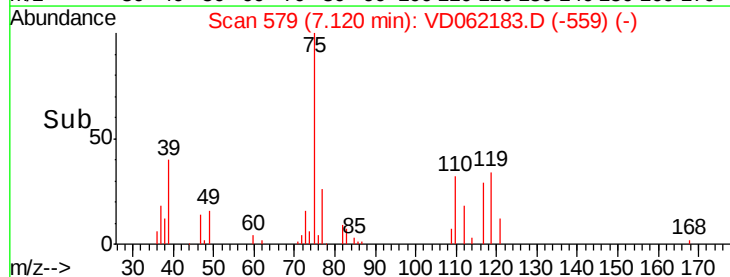
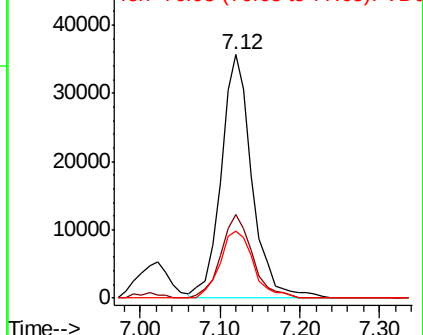
77 27.6 25.6 38.4

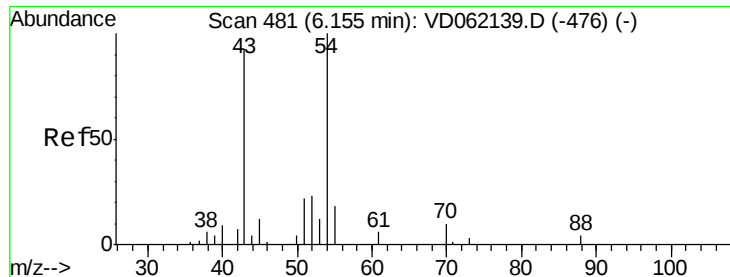


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 19.595 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

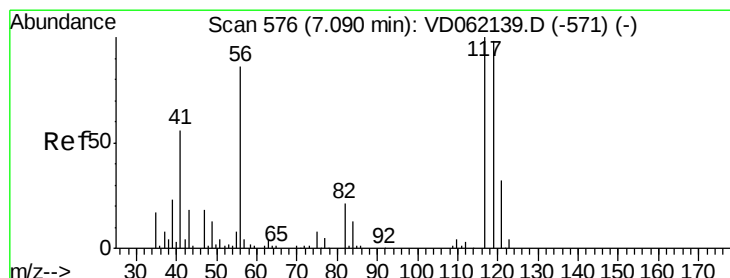
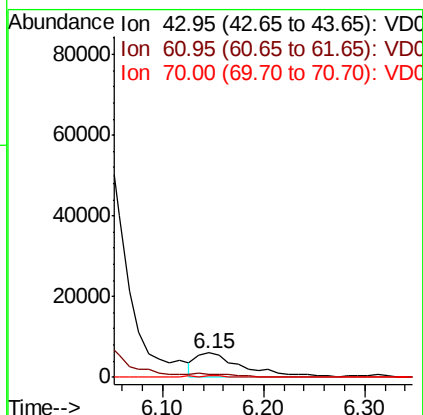
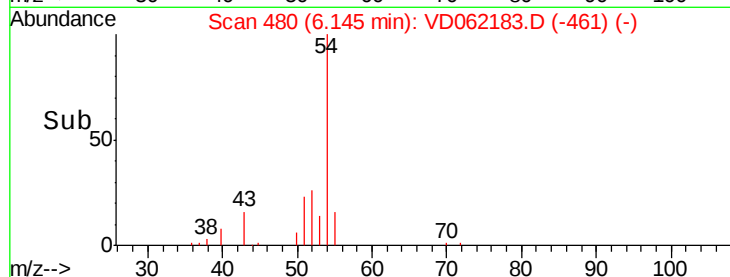
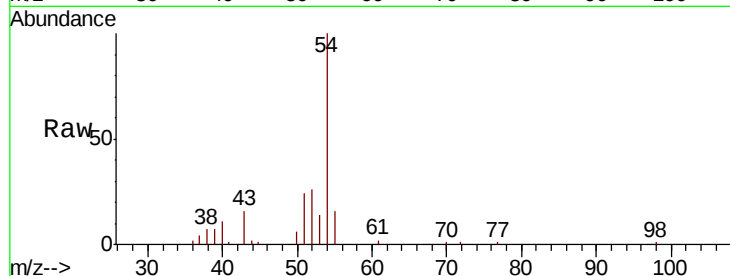
Tot Ion: 43 Resp: 19718

Ion Ratio Lower Upper

43 100

61 13.2 14.7 22.1#

70 5.5 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 47.447 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

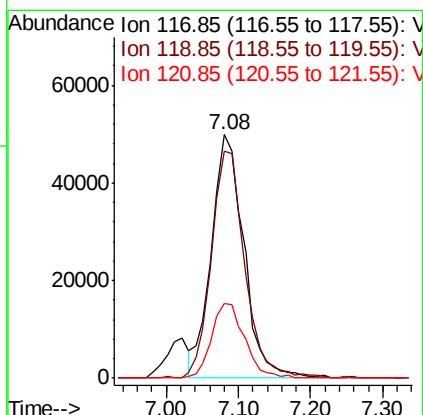
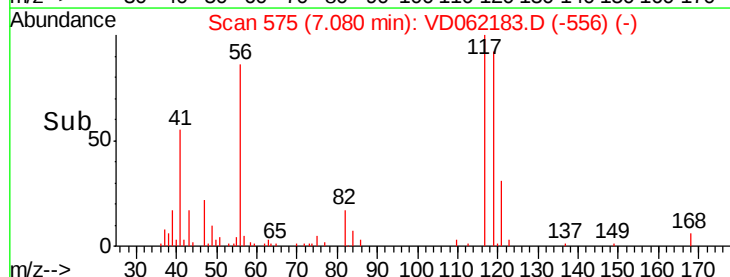
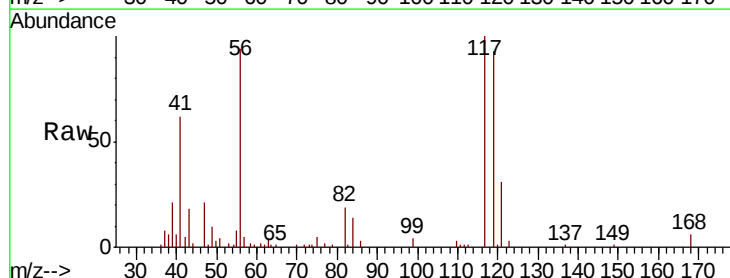
Tgt Ion: 117 Resp: 155826

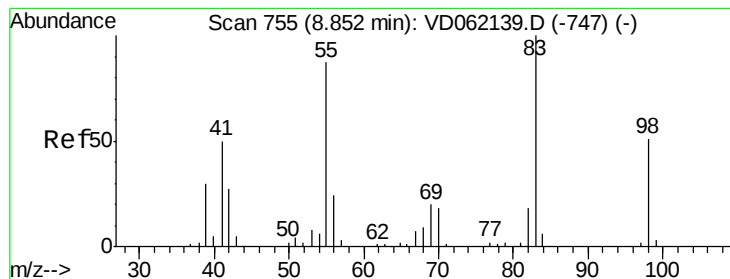
Ion Ratio Lower Upper

117 100

119 93.0 75.8 113.8

121 30.6 25.9 38.9





#39

Methylvlcyclohexane

Concen: 22.215 ug/l

RT: 8.84 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

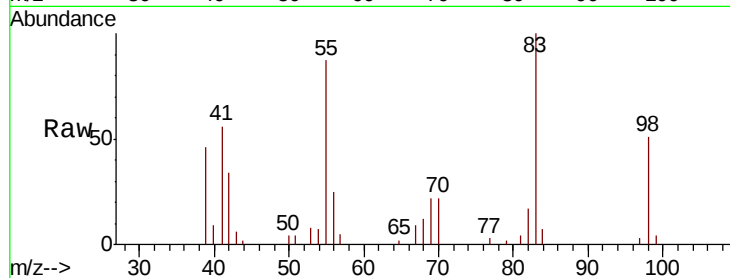
Tot Ion: 83 Resp: 50506

Ion Ratio Lower Upper

83 100

55 87.0 68.2 102.4

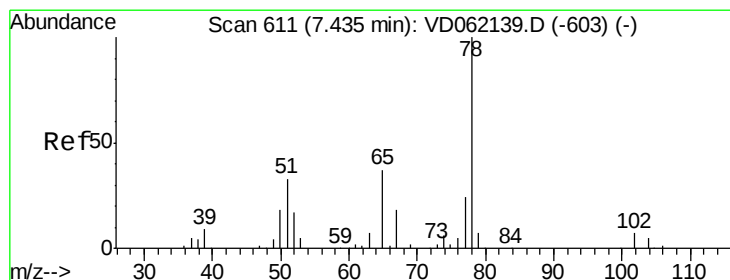
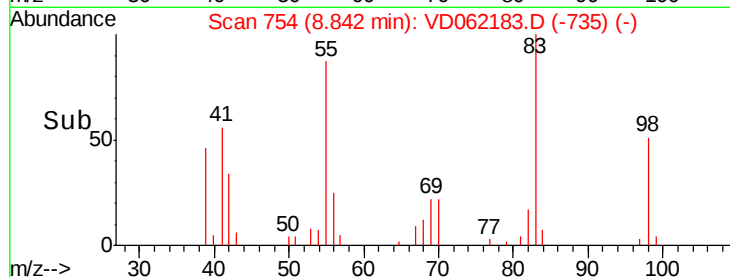
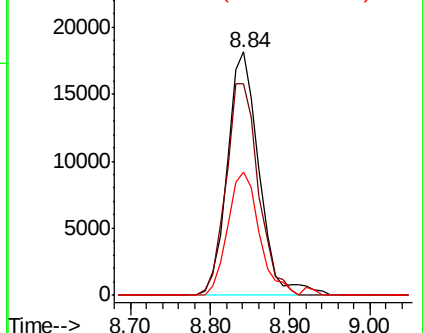
98 50.5 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.357 ug/l

RT: 7.42 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD062183.D

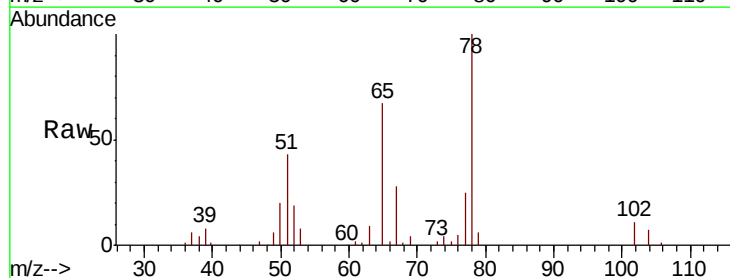
Acq: 8 May 2019 19:27

Tgt Ion: 78 Resp: 269818

Ion Ratio Lower Upper

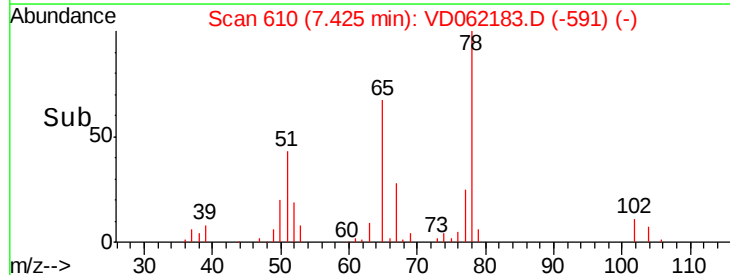
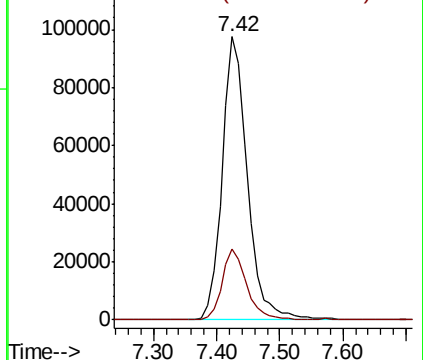
78 100

77 24.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 103.464 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 41 Resp: 127233

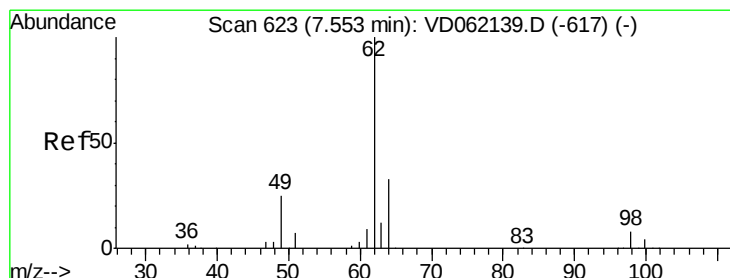
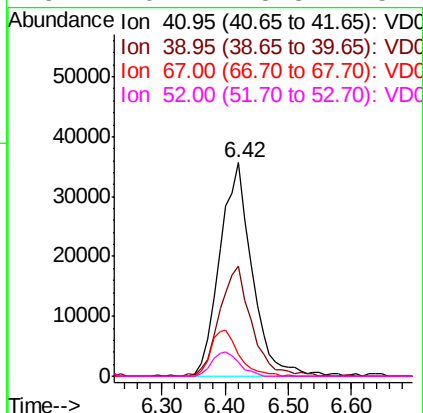
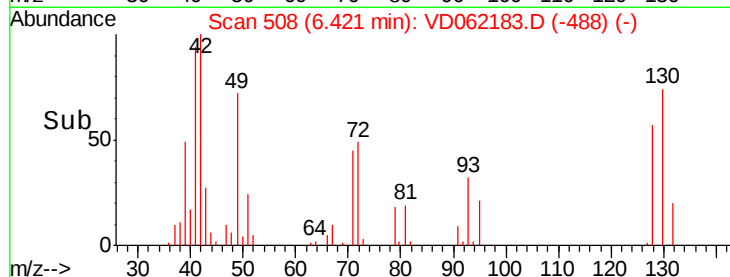
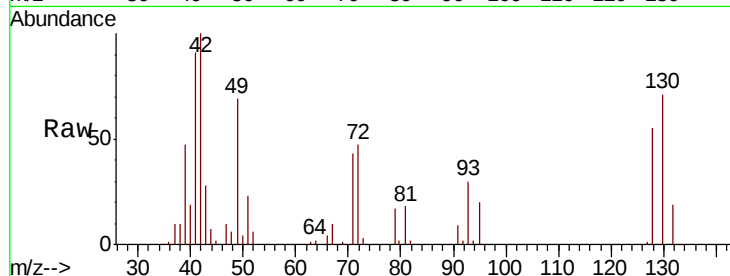
Ion Ratio Lower Upper

41 100

39 51.3 34.1 51.1#

67 10.5 23.8 35.6#

52 6.4 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 86.848 ug/l

RT: 7.55 min Scan# 623

Delta R.T. 0.00 min

Lab File: VD062183.D

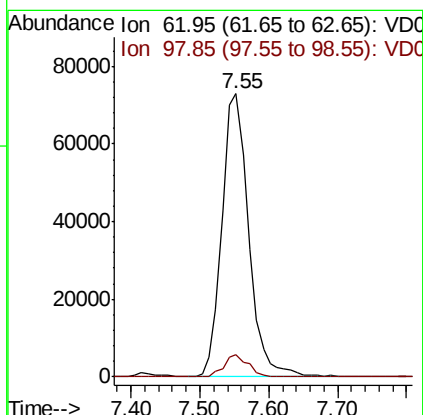
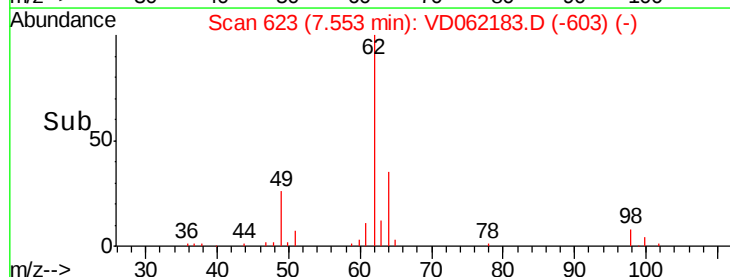
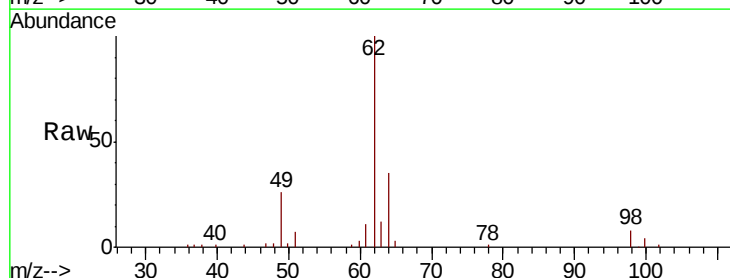
Acq: 8 May 2019 19:27

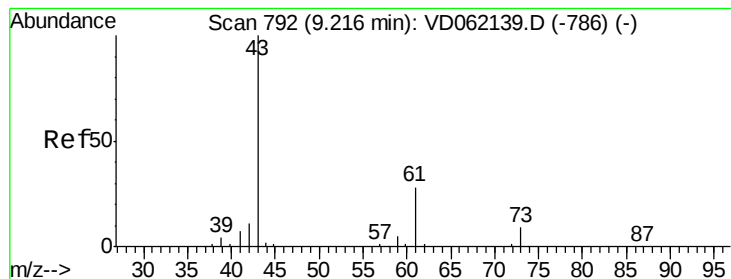
Tgt Ion: 62 Resp: 197159

Ion Ratio Lower Upper

62 100

98 7.8 0.0 17.8



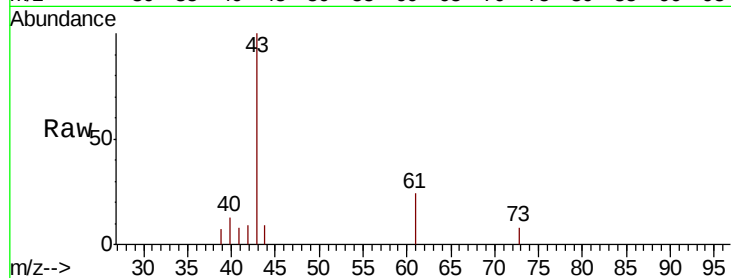


#43

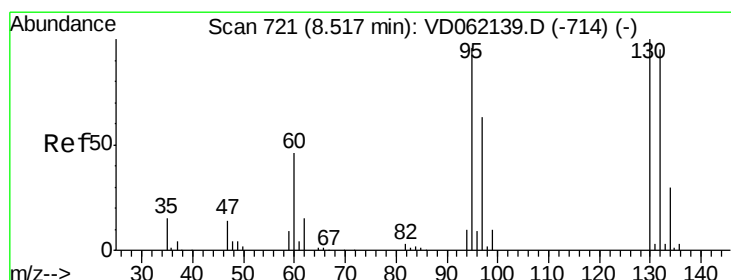
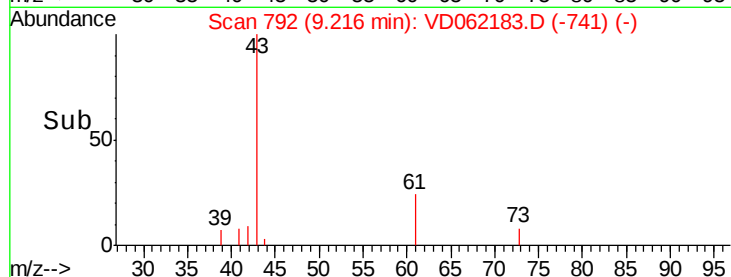
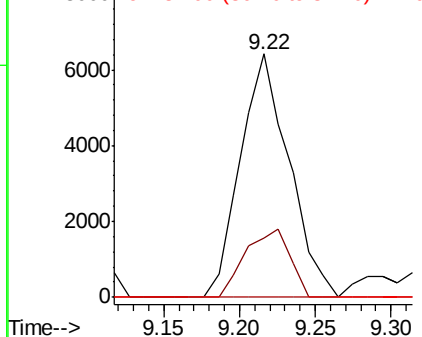
Isopropyl Acetate
 Concen: 10.016 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

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

Tot Ion: 43 Resp: 14294
 Ion Ratio Lower Upper
 43 100
 61 24.3 25.1 37.7#
 87 0.0 0.0 0.0



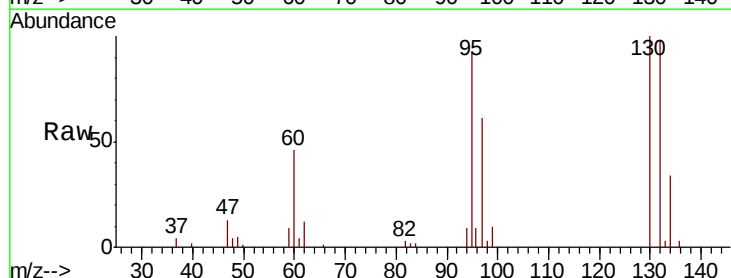
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



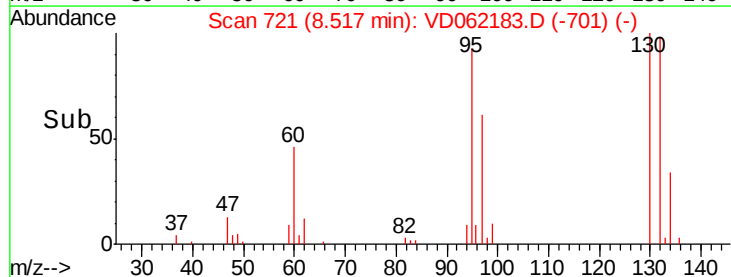
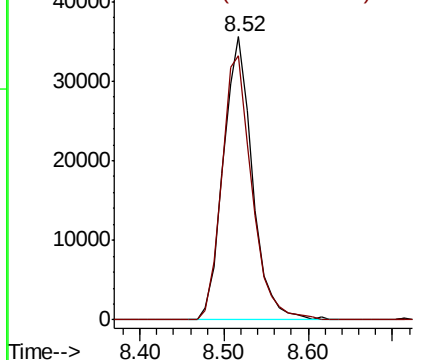
#44

Trichloroethene
 Concen: 41.728 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion: 130 Resp: 85198
 Ion Ratio Lower Upper
 130 100
 95 93.2 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: 61.104 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

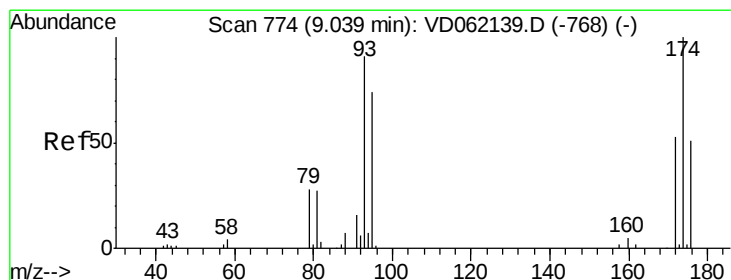
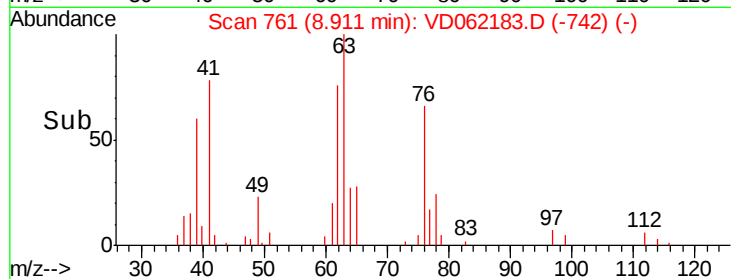
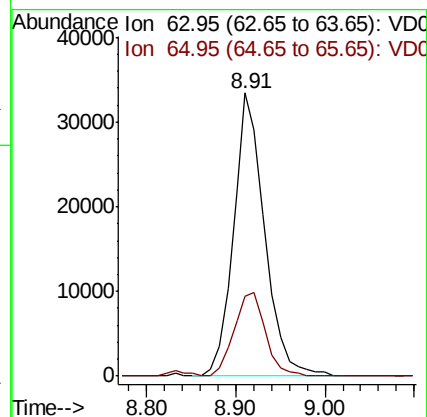
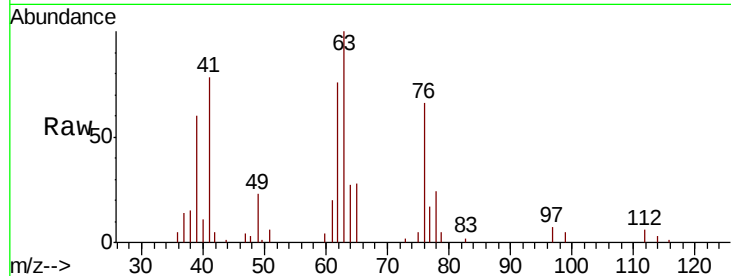
P026-SS002-1218-01MSD

Tot Ion: 63 Resp: 80984

Ion Ratio Lower Upper

63 100

65 28.3 23.8 35.6



#46

Dibromomethane

Concen: 80.531 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

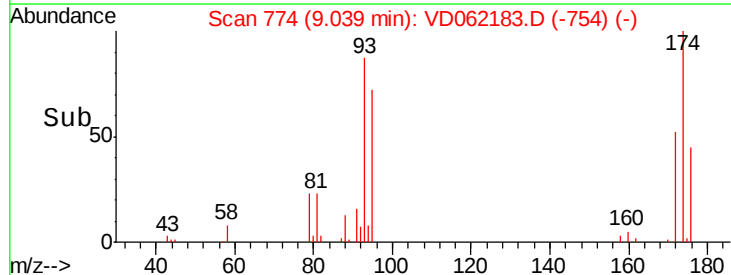
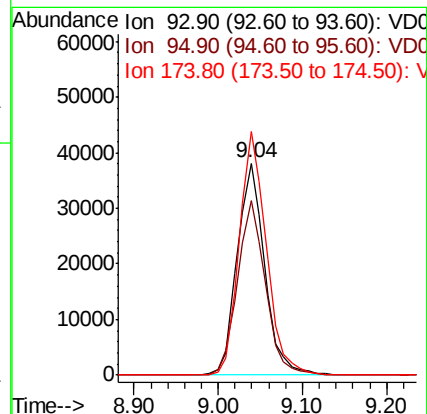
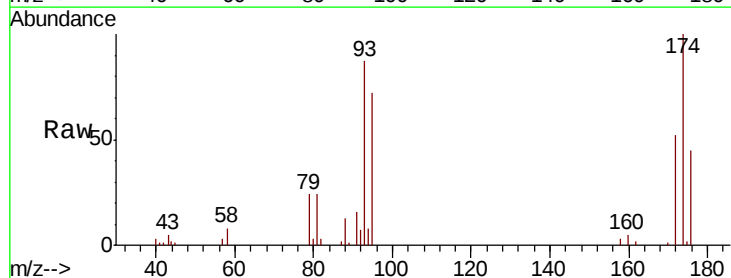
Tgt Ion: 93 Resp: 86793

Ion Ratio Lower Upper

93 100

95 82.5 64.8 97.2

174 115.0 79.3 118.9





#47

Bromodichloromethane

Concen: 67.602 ug/l

RT: 9.35 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

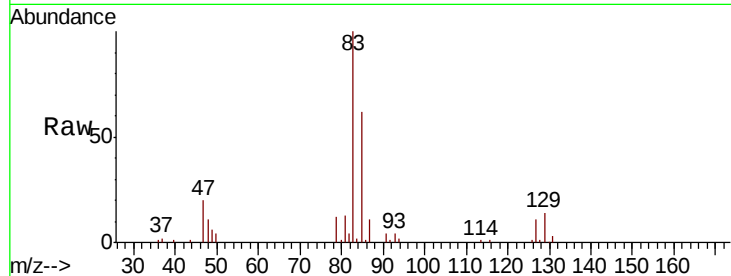
Tot Ion: 83 Resp: 178215

Ion Ratio Lower Upper

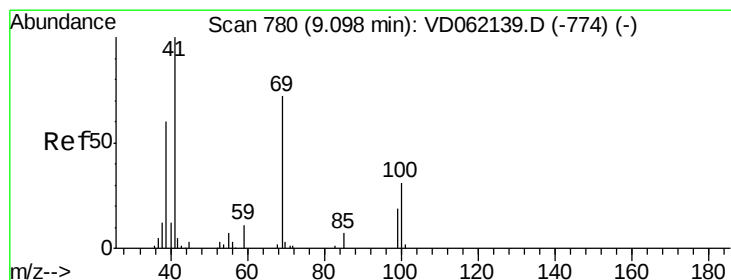
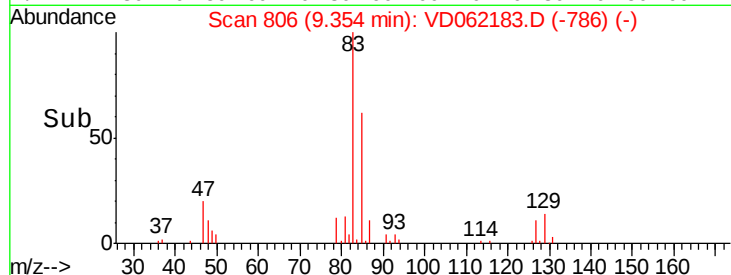
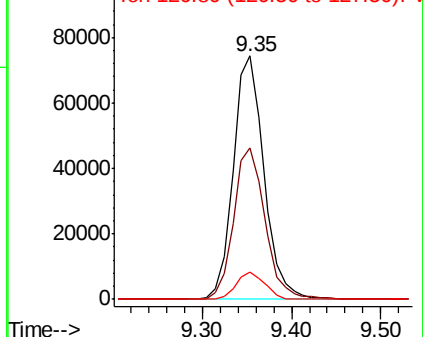
83 100

85 62.4 50.9 76.3

127 11.0 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: 122.279 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

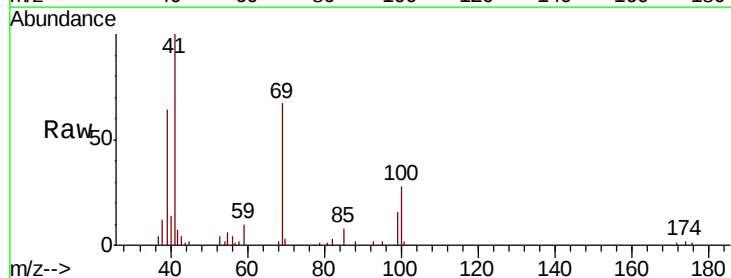
Tgt Ion: 41 Resp: 107491

Ion Ratio Lower Upper

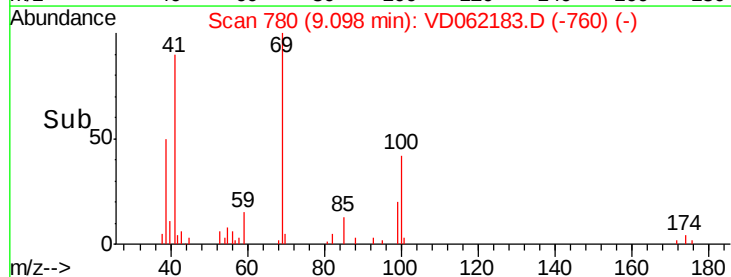
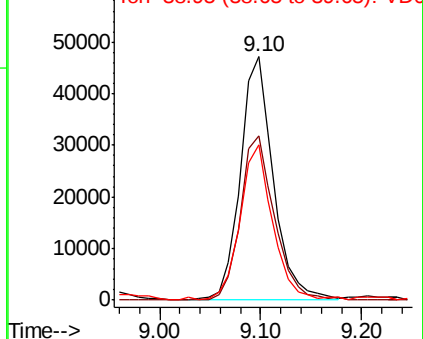
41 100

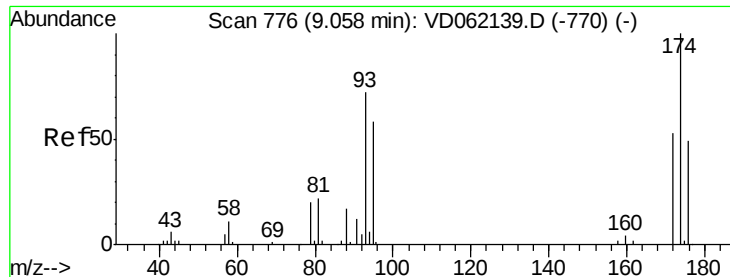
69 67.5 64.2 96.2

39 64.0 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

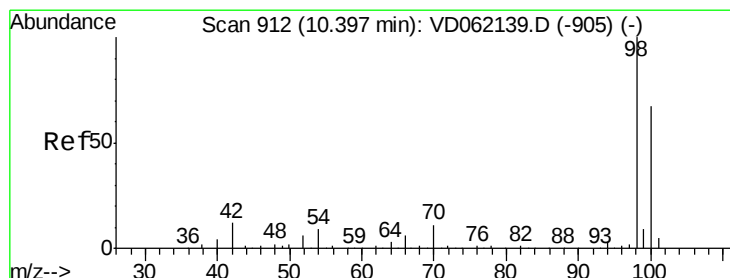
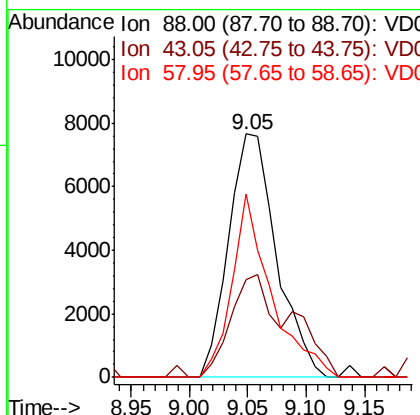
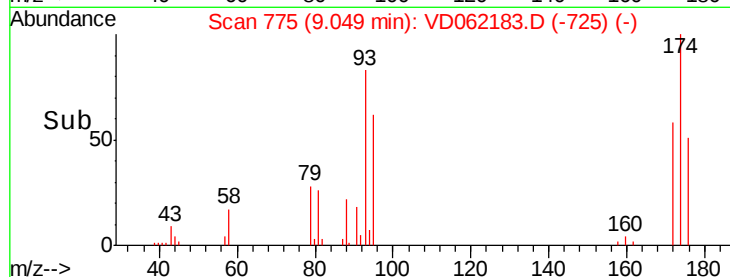
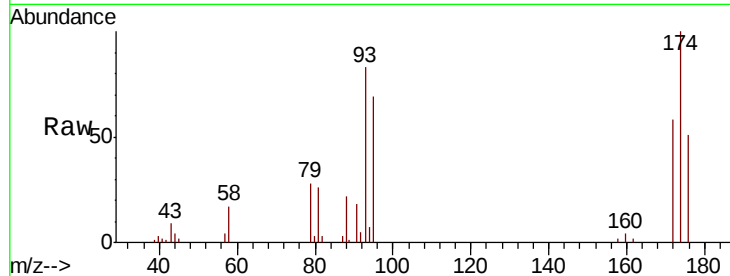




#49
1,4-Dioxane
Concen: 2298.865 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

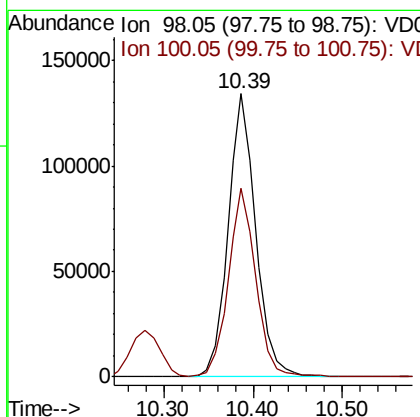
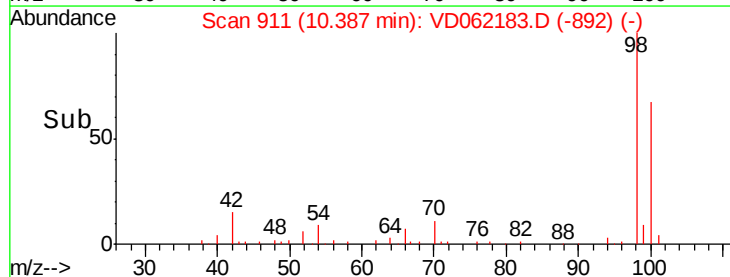
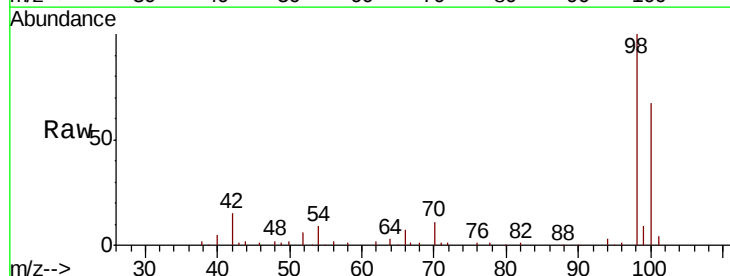
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 88 Resp: 21804
Ion Ratio Lower Upper
88 100
43 40.2 23.4 35.0#
58 75.6 44.0 66.0#



#50
Toluene-d8
Concen: 50.193 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 98 Resp: 290595
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 453.586 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

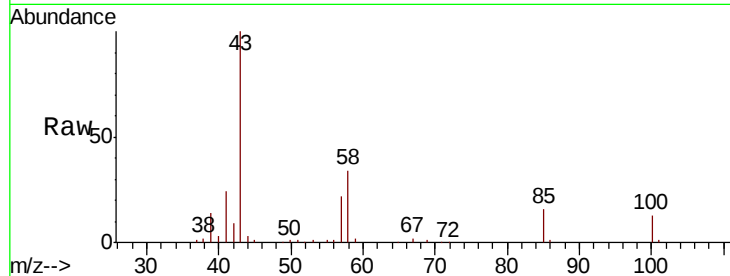
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 416112

Ion Ratio Lower Upper

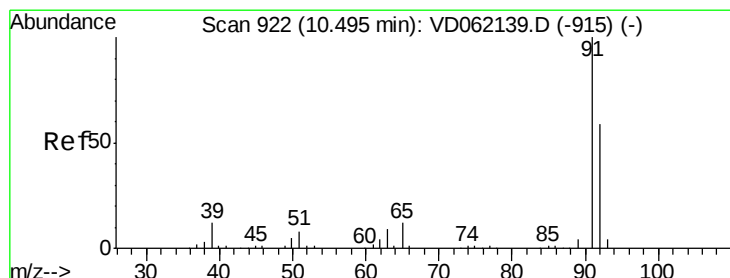
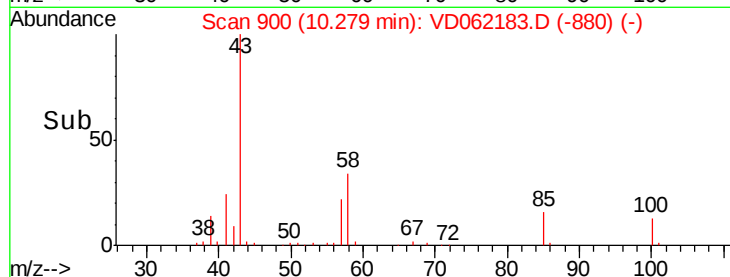
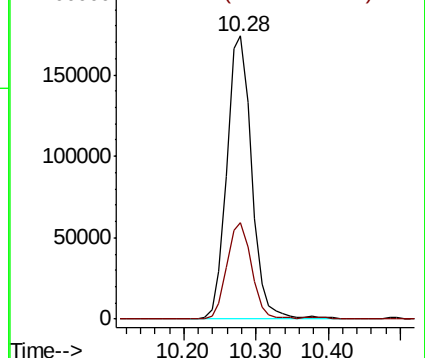
43 100

58 33.9 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: 45.215 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062183.D

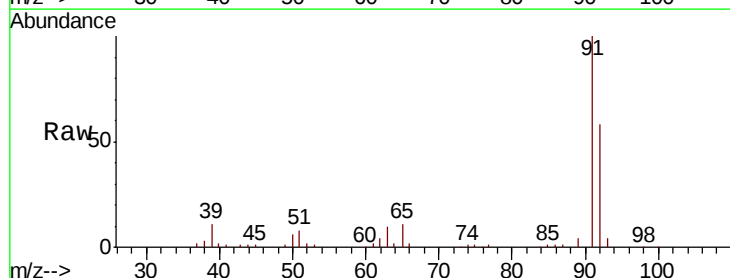
Acq: 8 May 2019 19:27

Tgt Ion: 92 Resp: 157631

Ion Ratio Lower Upper

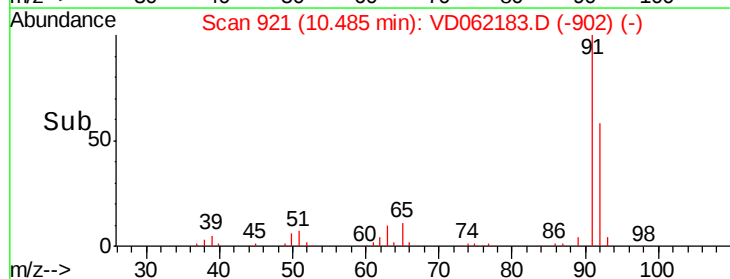
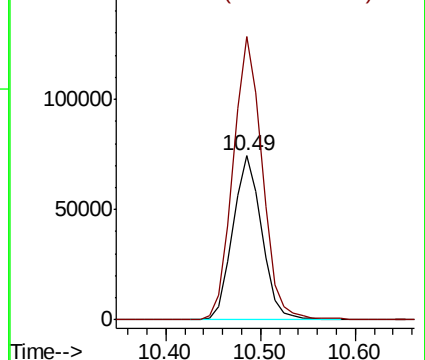
92 100

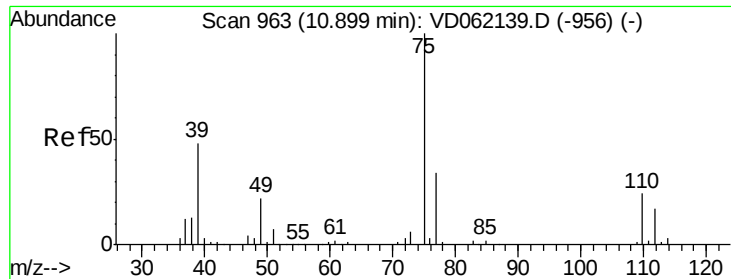
91 172.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

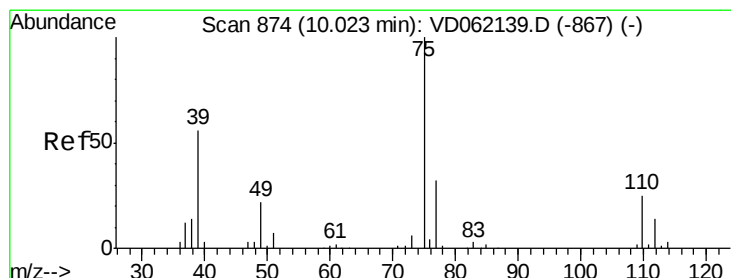
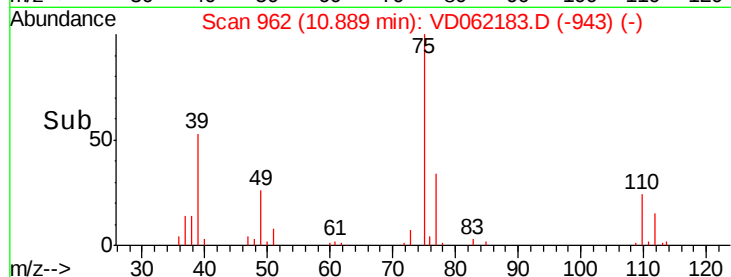
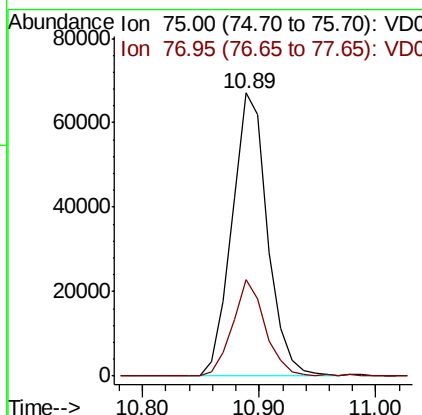
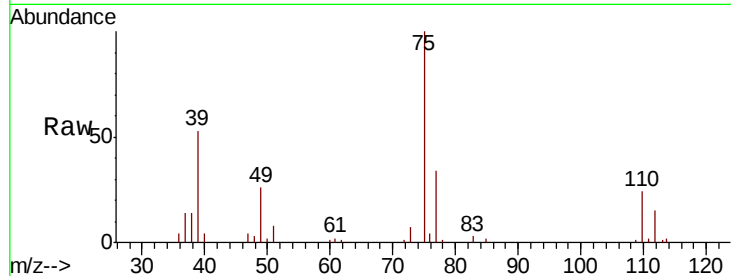




#53
t-1,3-Dichloropropene
Concen: 61.996 ug/l
RT: 10.89 min Scan# 962
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

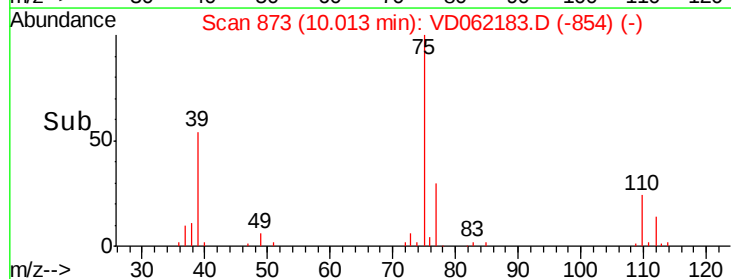
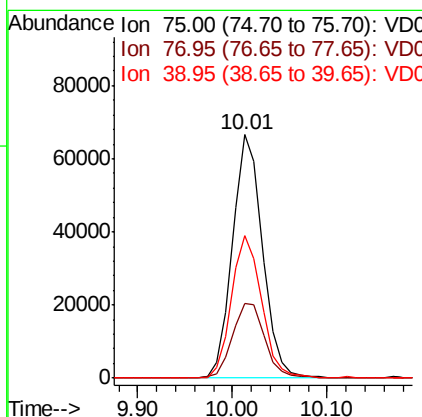
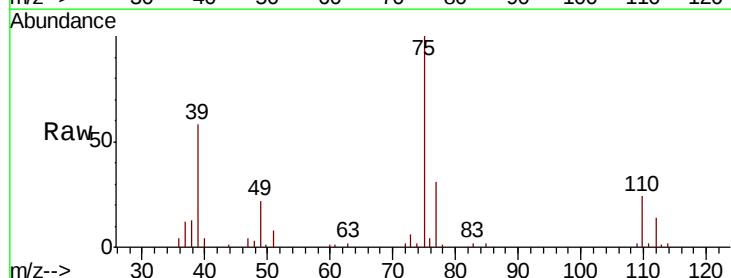
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 75 Resp: 141253
Ion Ratio Lower Upper
75 100
77 34.2 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 58.787 ug/l
RT: 10.01 min Scan# 873
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 75 Resp: 146120
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3
39 58.4 39.4 59.2

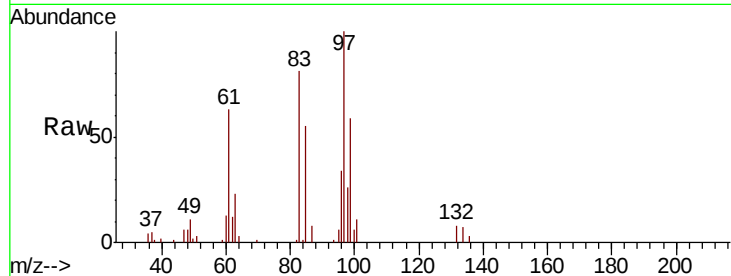




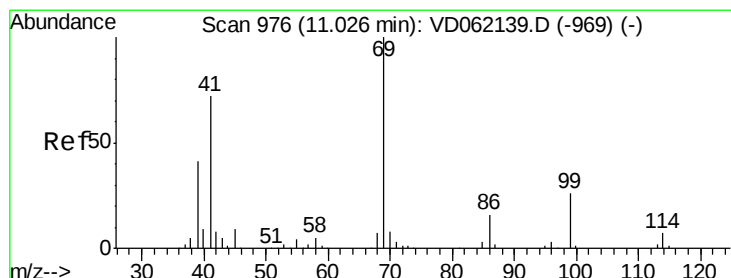
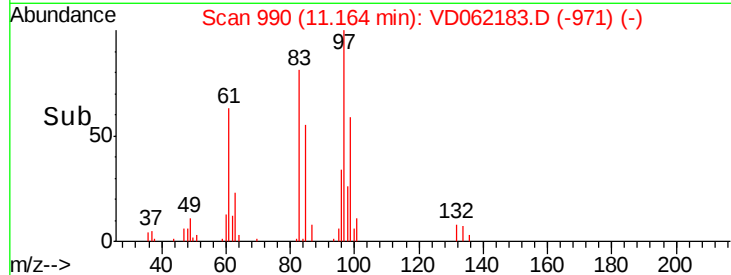
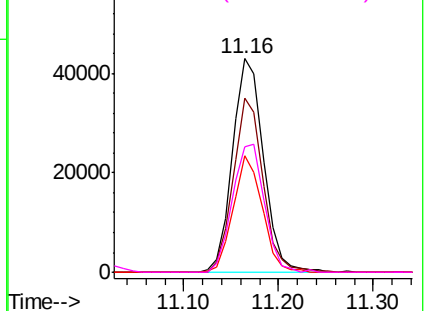
#55
 1,1,2-Trichloroethane
 Concen: 79.131 ug/l
 RT: 11.16 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

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

Tot Ion:	97	Resp:	97609
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.7	98.5
85	54.6	45.6	68.4
99	58.9	48.4	72.6

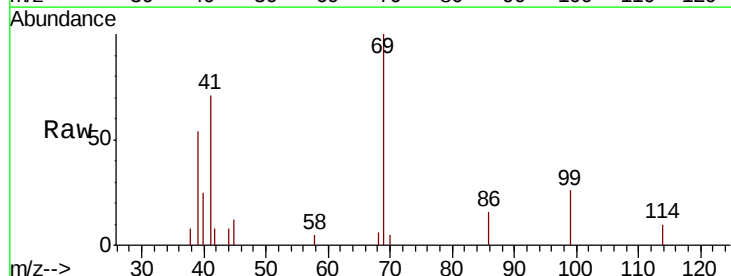


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

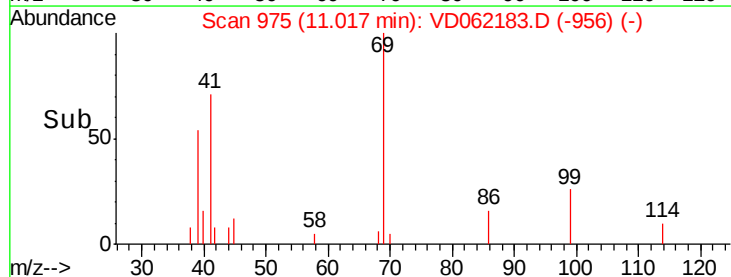
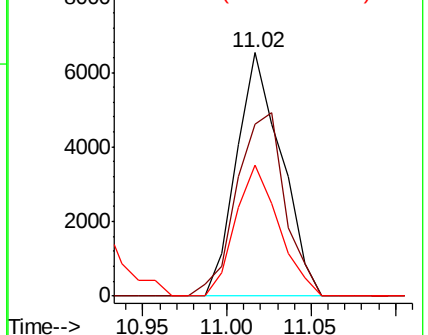


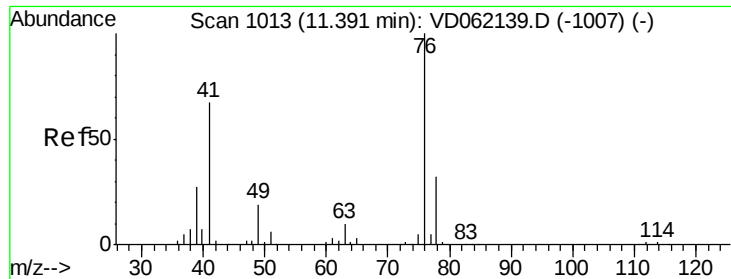
#56
 Ethyl methacrylate
 Concen: 9.393 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion:	69	Resp:	12040
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.3	84.5
39	53.8	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

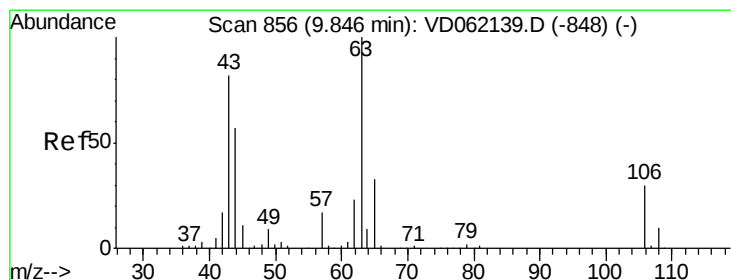
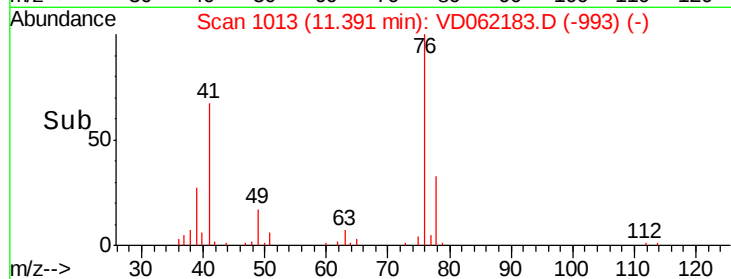
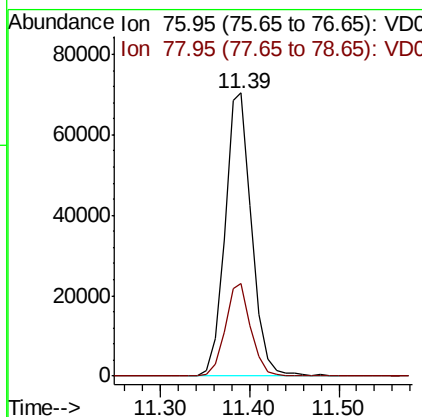
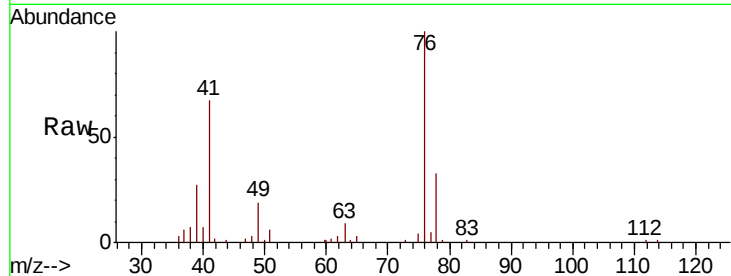




#57
 1,3-Dichloropropane
 Concen: 79.137 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

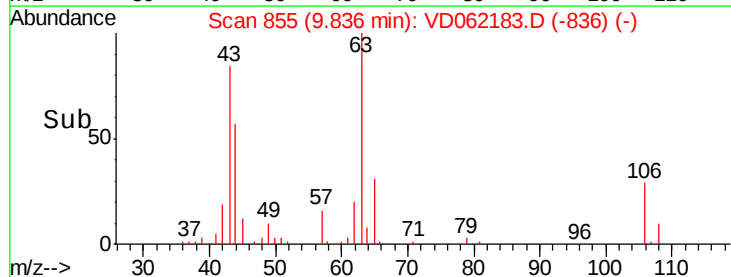
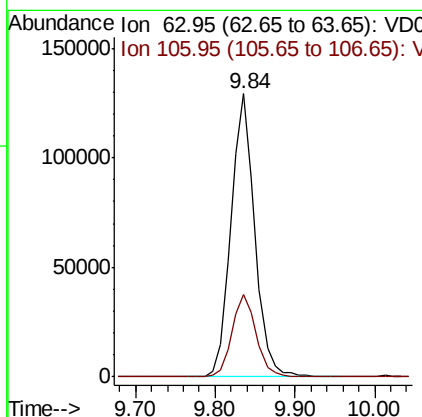
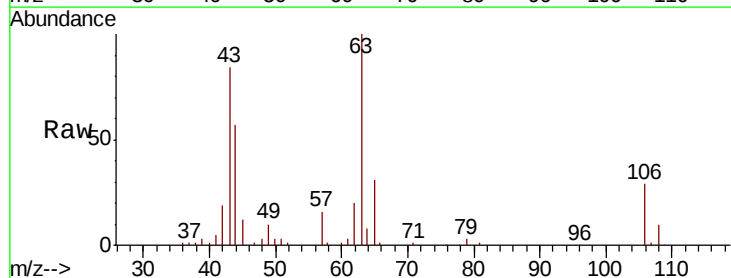
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion: 76 Resp: 147475
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 386.027 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion: 63 Resp: 270283
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.6 34.0

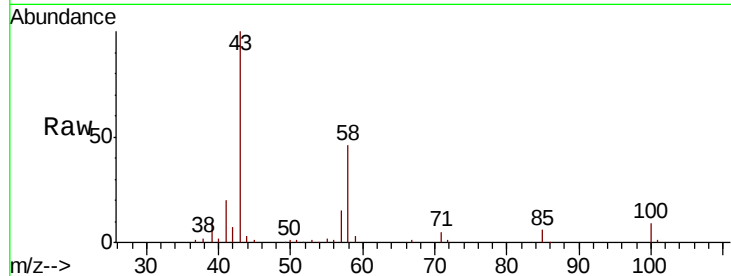




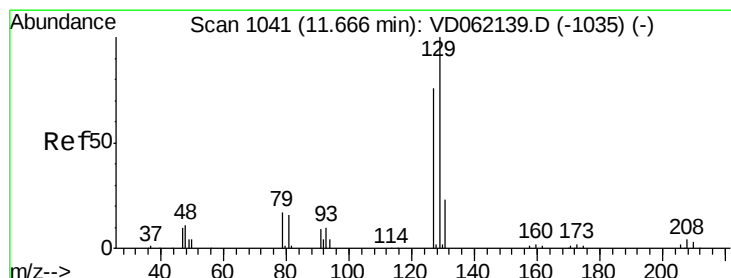
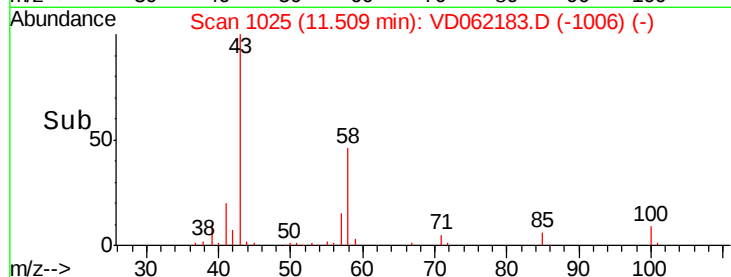
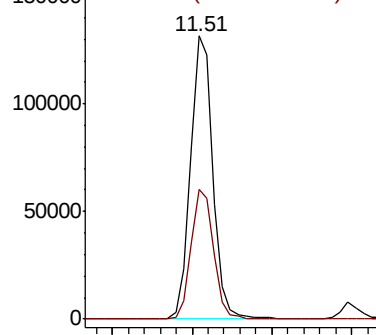
#59
2-Hexanone
Concen: 386.510 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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

Tot Ion: 43 Resp: 261337
Ion Ratio Lower Upper
43 100
58 45.7 25.4 76.4

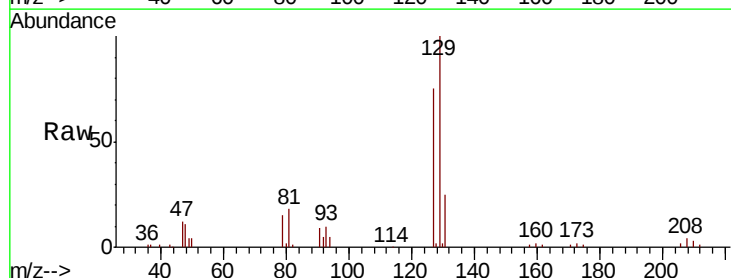


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

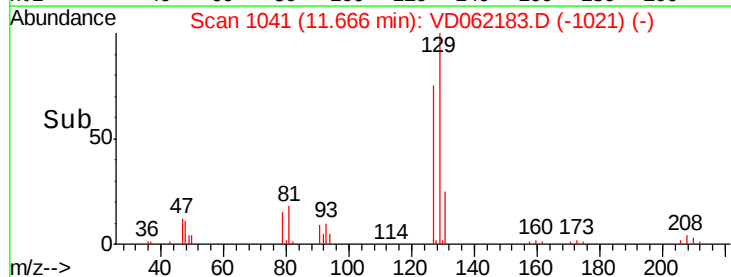
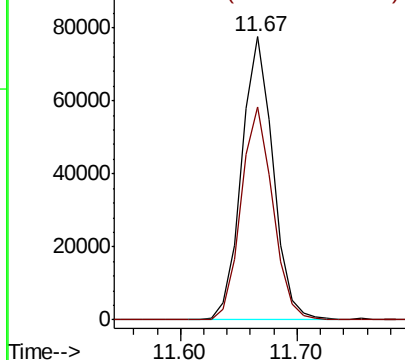


#60
Dibromochloromethane
Concen: 67.863 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 129 Resp: 144668
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

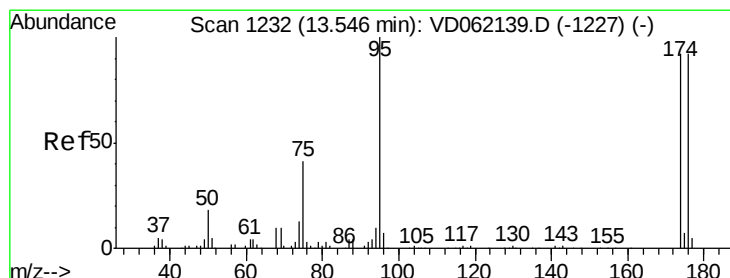
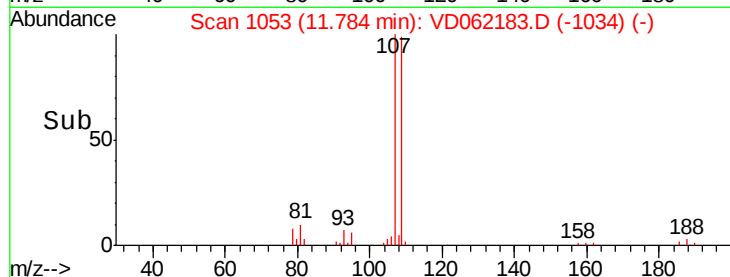
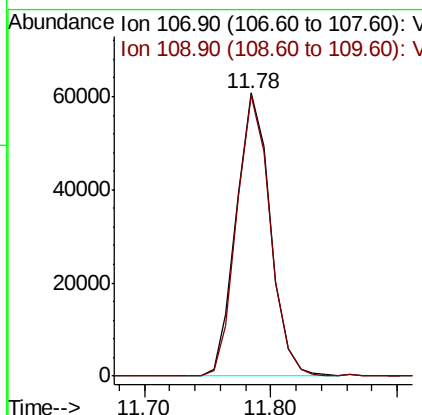
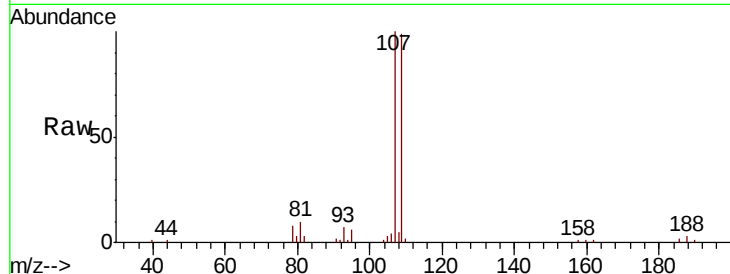




#61
 1,2-Dibromoethane
 Concen: 75.683 ug/l
 RT: 11.78 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

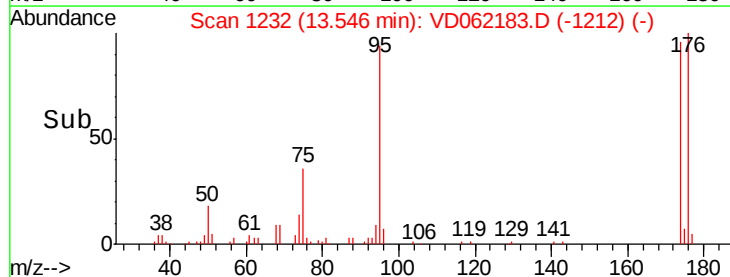
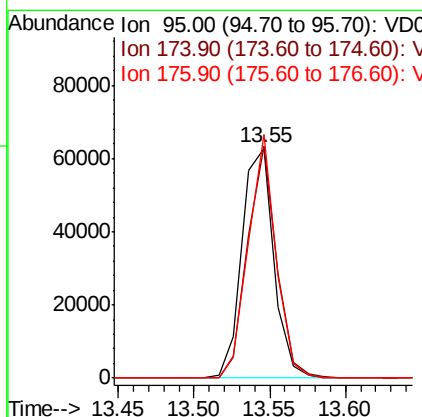
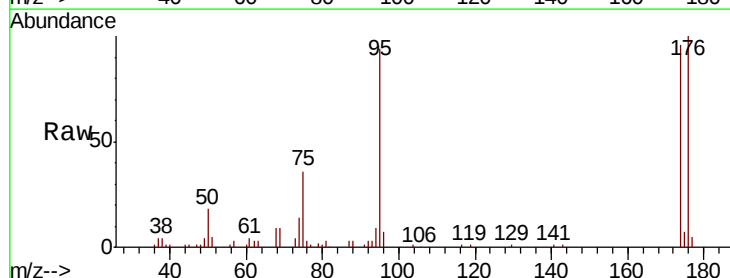
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion:107 Resp: 113499
 Ion Ratio Lower Upper
 107 100
 109 99.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 39.286 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion: 95 Resp: 91335
 Ion Ratio Lower Upper
 95 100
 174 101.2 0.0 181.8
 176 105.9 0.0 174.4

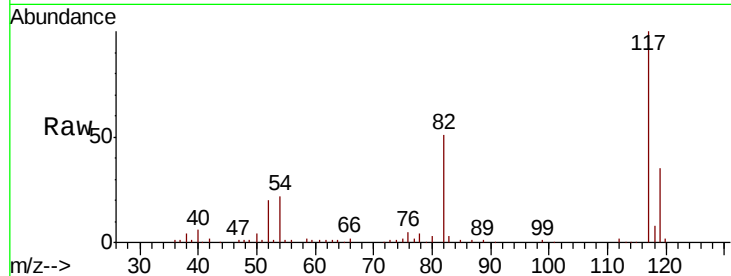




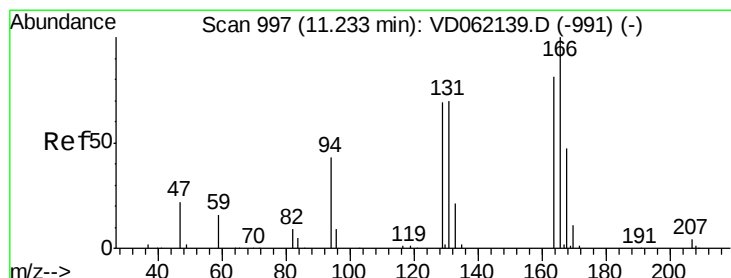
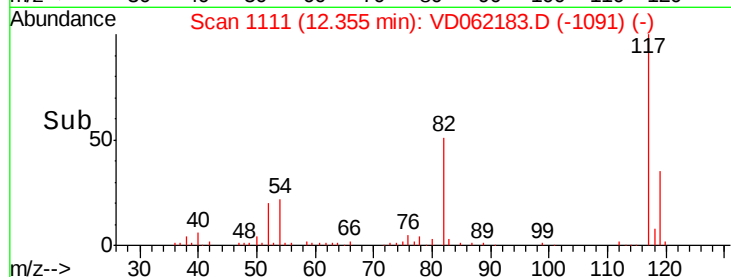
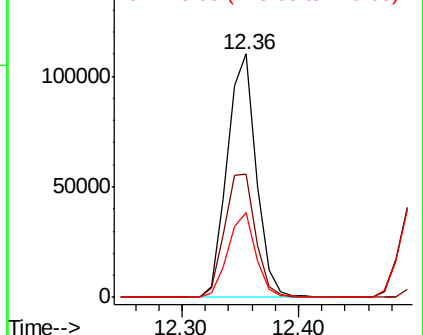
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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

Tot Ion:117 Resp: 189627
Ion Ratio Lower Upper
117 100
82 50.5 36.2 54.2
119 34.9 26.2 39.4

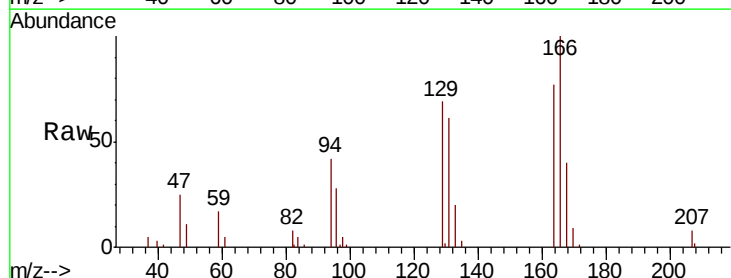


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

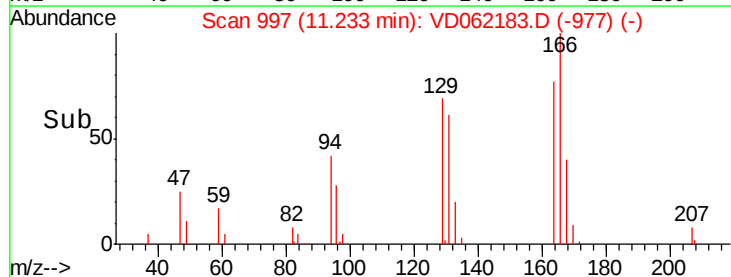
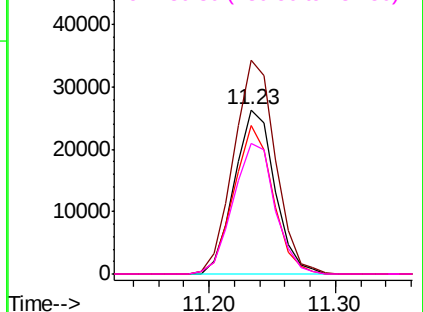


#64
Tetrachloroethene
Concen: 39.206 ug/l
RT: 11.23 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion:164 Resp: 58135
Ion Ratio Lower Upper
164 100
166 130.2 101.5 152.3
129 90.4 74.6 112.0
131 79.9 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

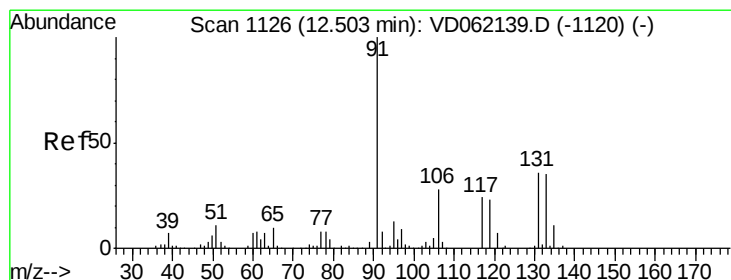
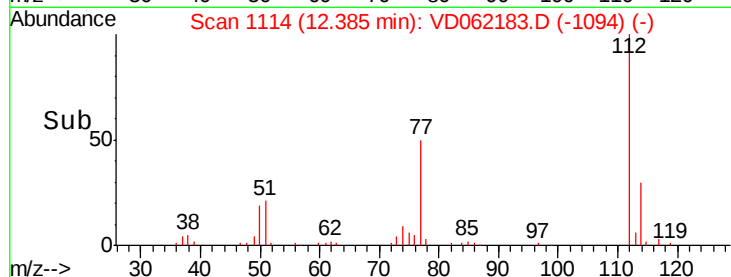
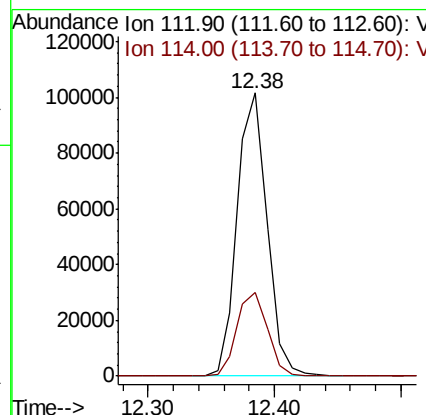
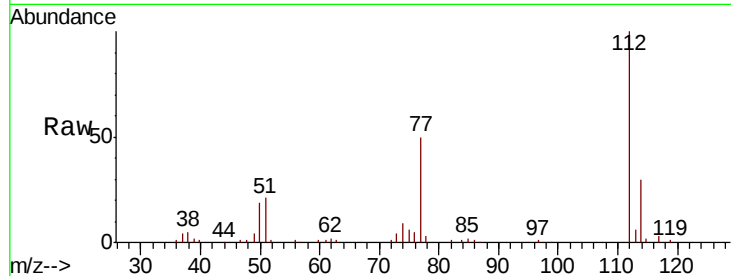




#65
Chlorobenzene
Concen: 46.937 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

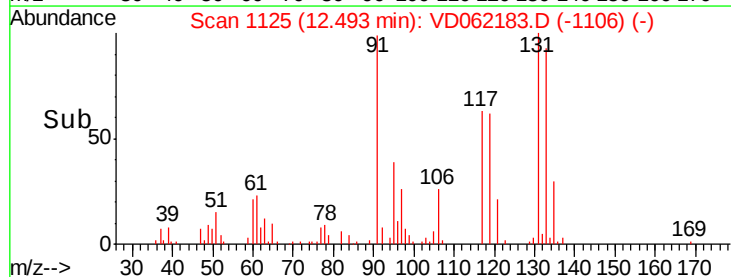
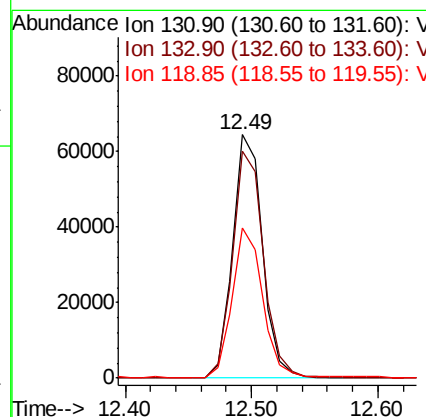
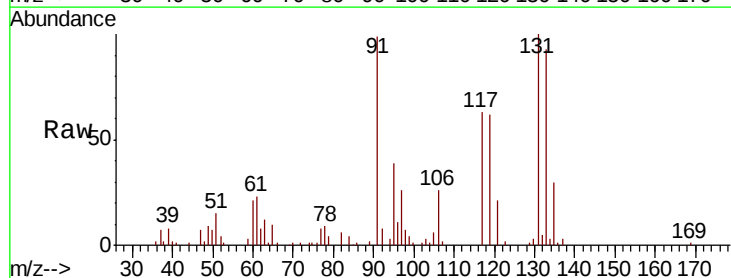
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

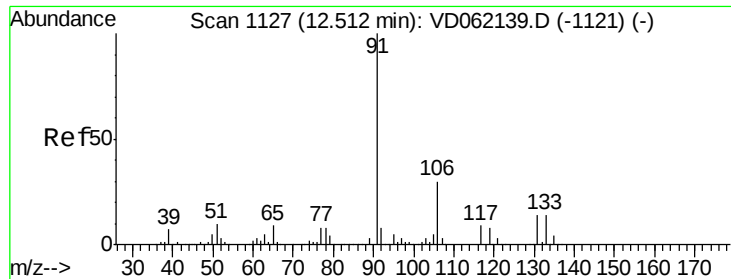
Tot Ion:112 Resp: 165775
Ion Ratio Lower Upper
112 100
114 29.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 67.847 ug/l
RT: 12.49 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion:131 Resp: 104288
Ion Ratio Lower Upper
131 100
133 93.3 48.6 145.8
119 61.6 34.7 104.1

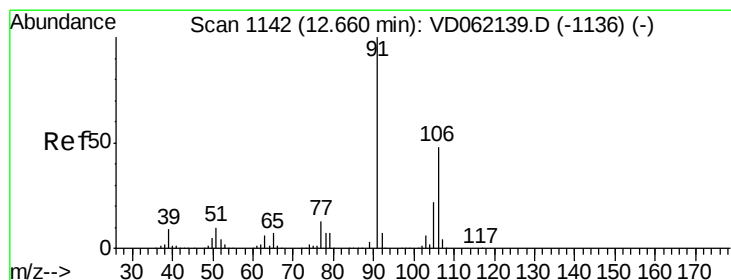
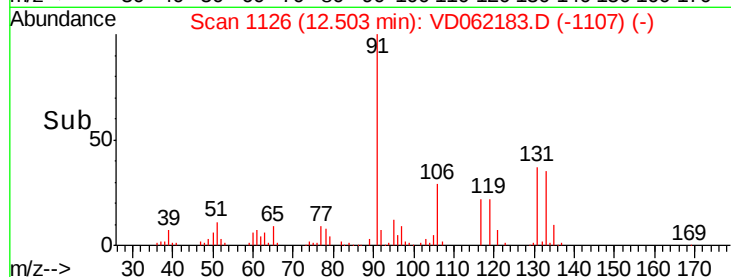
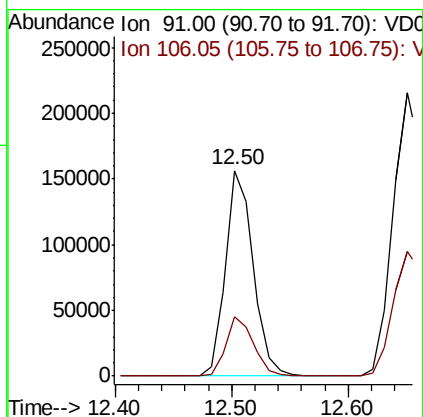
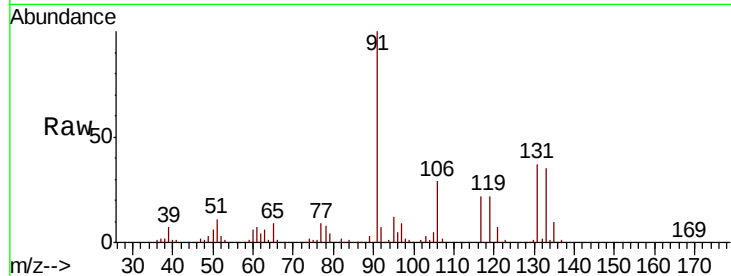




#67
Ethyl Benzene
Concen: 43.518 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

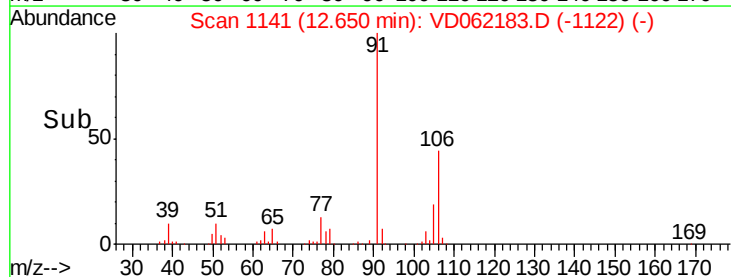
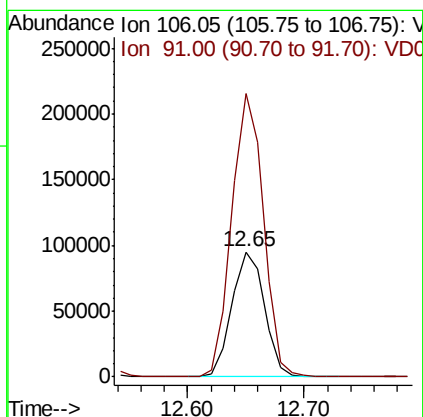
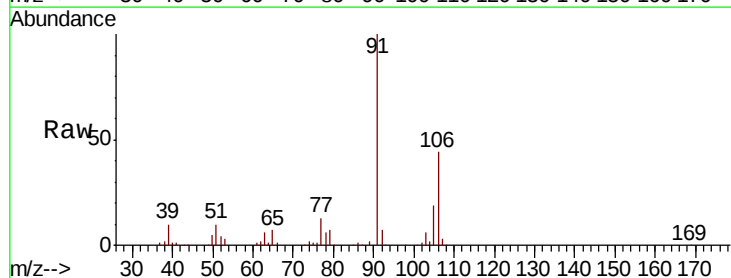
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 91 Resp: 257314
Ion Ratio Lower Upper
91 100
106 28.7 24.7 37.1



#68
m/p-Xylenes
Concen: 85.587 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion: 106 Resp: 184117
Ion Ratio Lower Upper
106 100
91 226.7 164.0 246.0

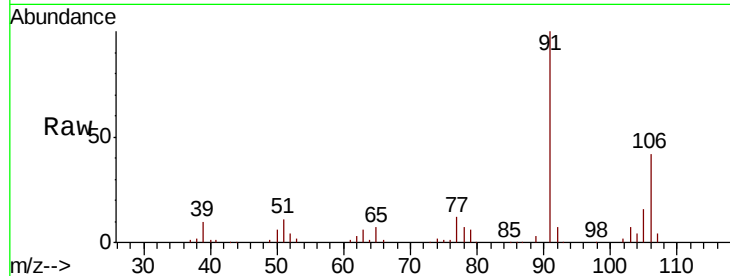




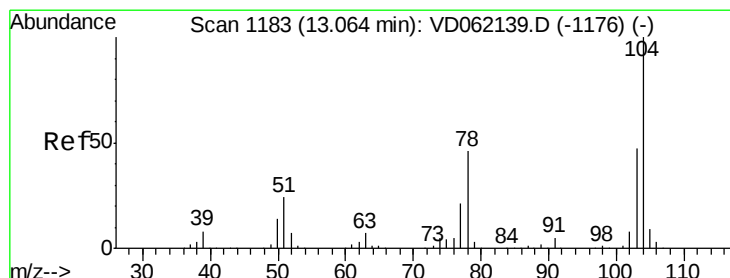
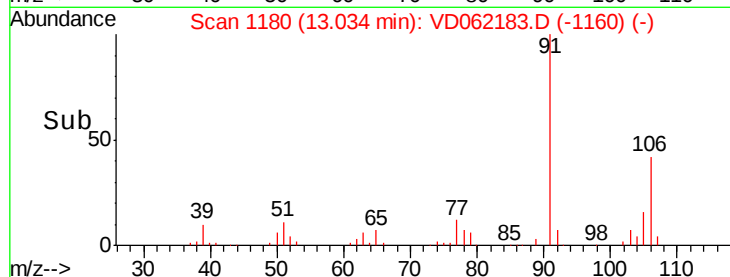
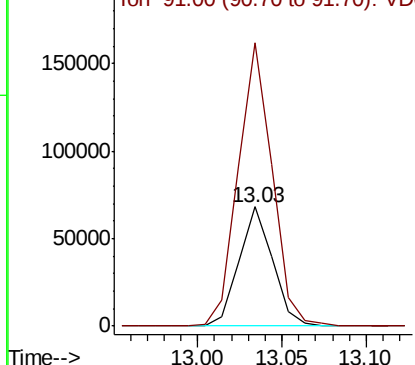
#69
o-Xylene
Concen: 47.171 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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

Tot Ion:106 Resp: 94342
Ion Ratio Lower Upper
106 100
91 237.0 106.7 319.9

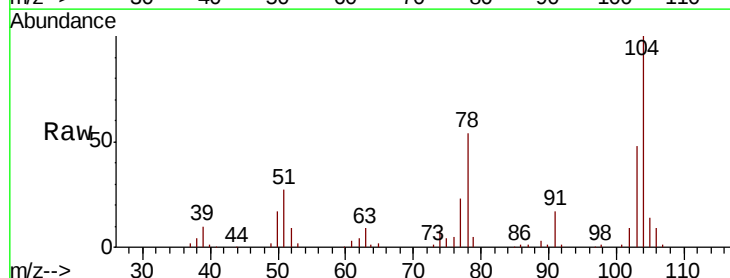


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

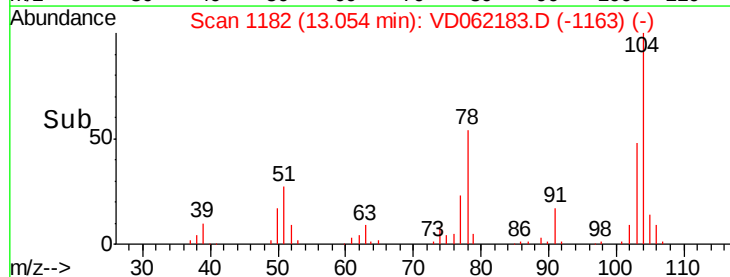
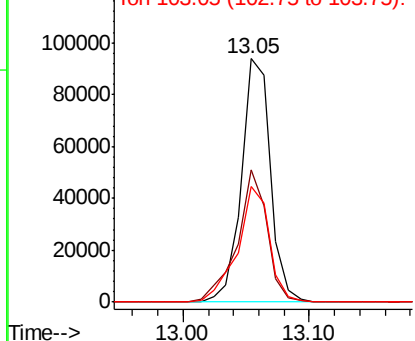


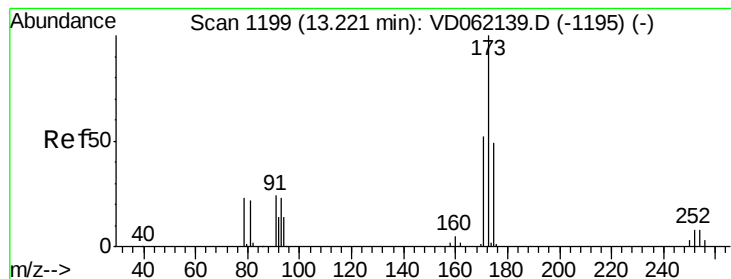
#70
Styrene
Concen: 43.862 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion:104 Resp: 148604
Ion Ratio Lower Upper
104 100
78 54.3 35.4 53.2#
103 47.5 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 92.677 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

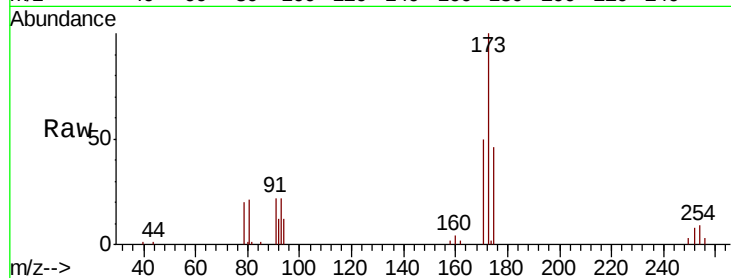
Tot Ion:173 Resp: 99111

Ion Ratio Lower Upper

173 100

175 46.5 24.4 73.4

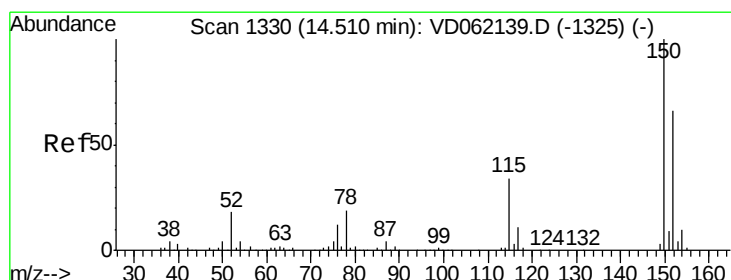
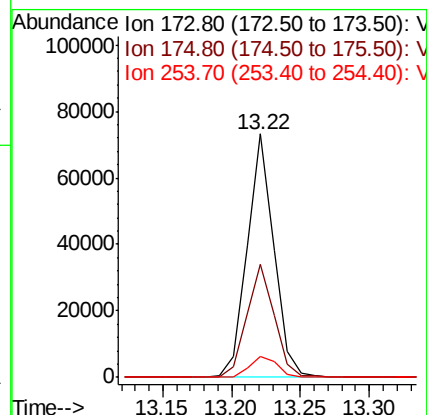
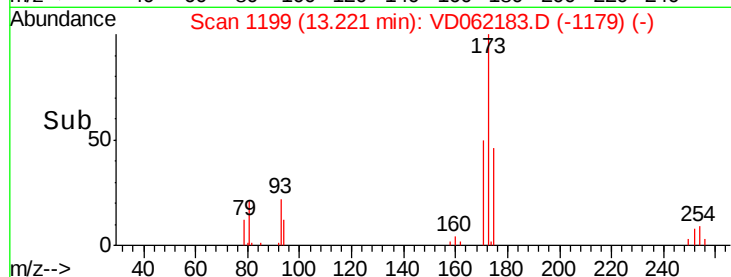
254 8.7 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

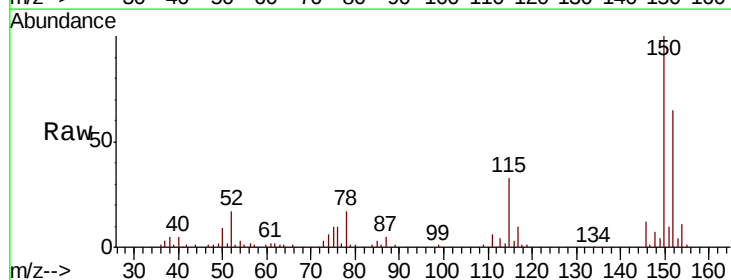
Tgt Ion:152 Resp: 62798

Ion Ratio Lower Upper

152 100

115 50.9 30.9 92.7

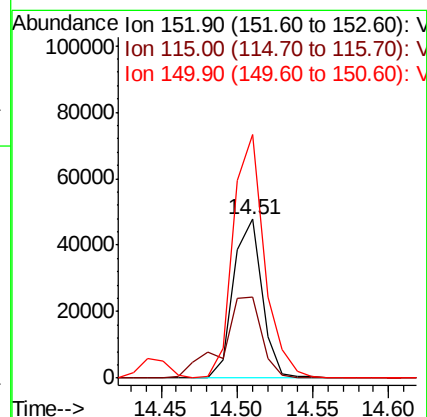
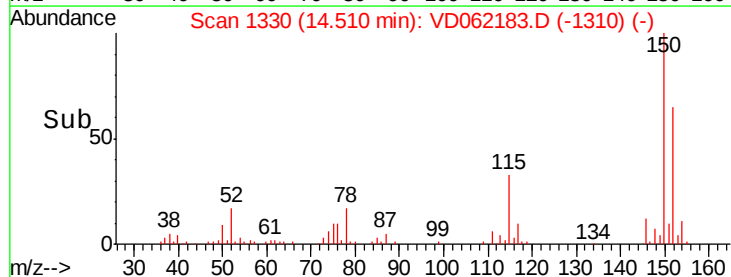
150 153.2 0.0 314.8

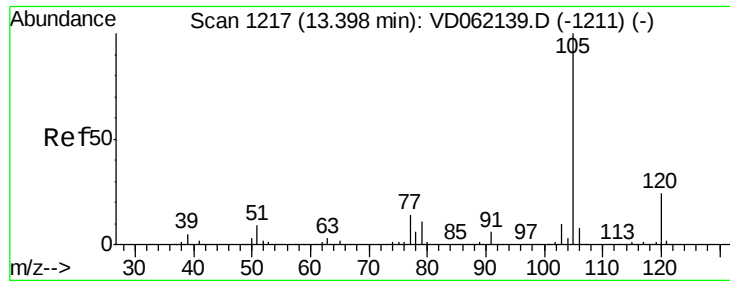


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.603 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

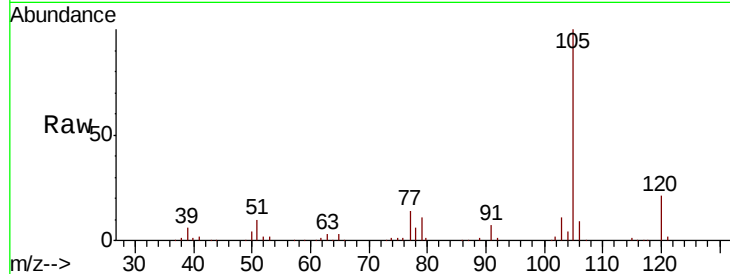
P026-SS002-1218-01MSD

Tot Ion:105 Resp: 220600

Ion Ratio Lower Upper

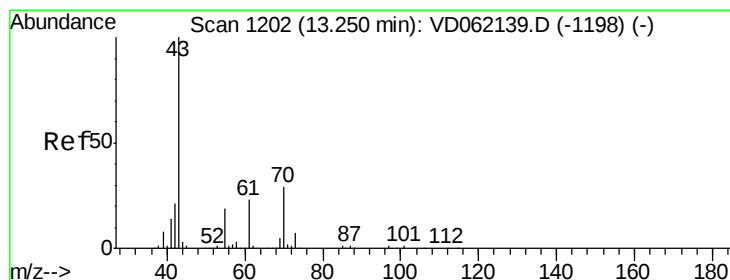
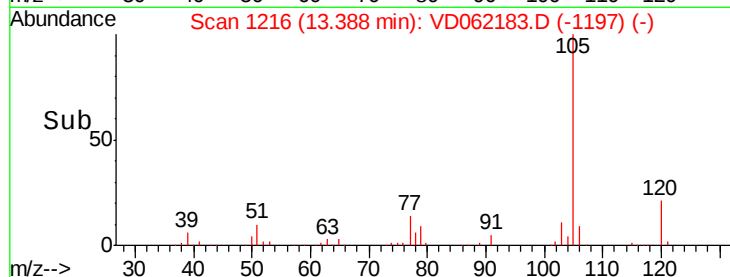
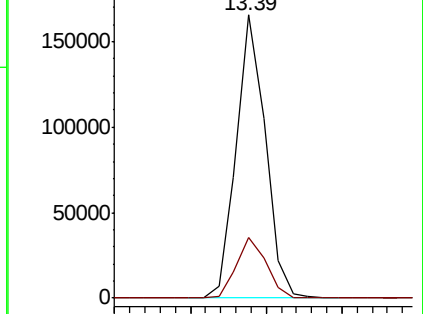
105 100

120 21.4 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: 5.951 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Tgt Ion: 43 Resp: 5873

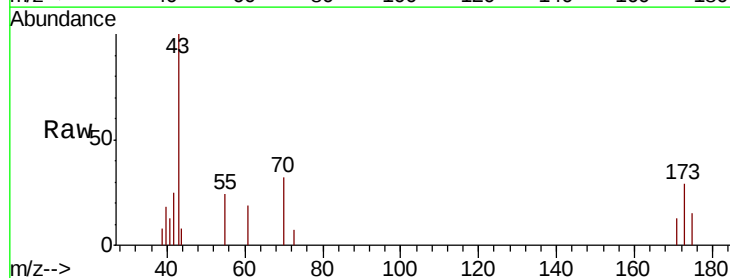
Ion Ratio Lower Upper

43 100

70 32.0 24.2 36.4

55 24.5 16.0 24.0#

61 19.1 21.6 32.4#

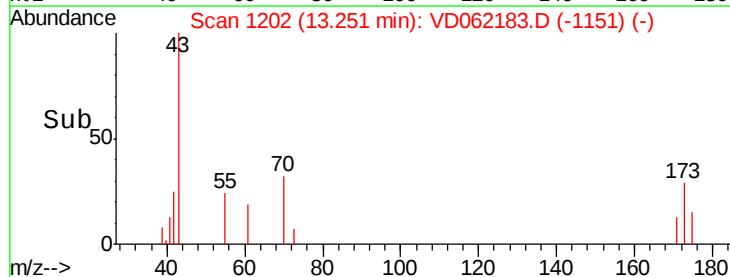
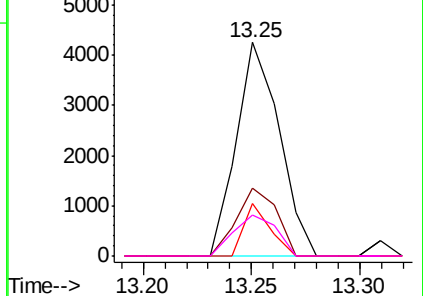


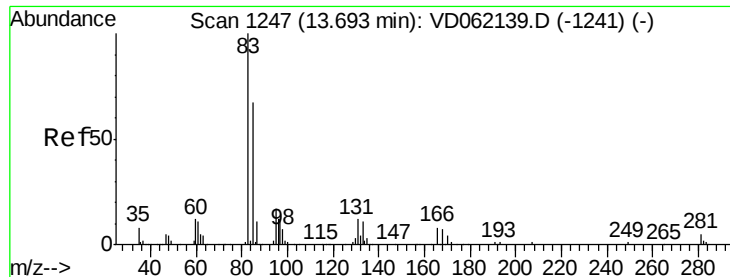
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 147.601 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

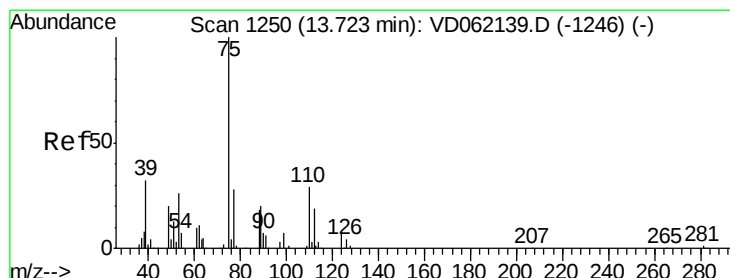
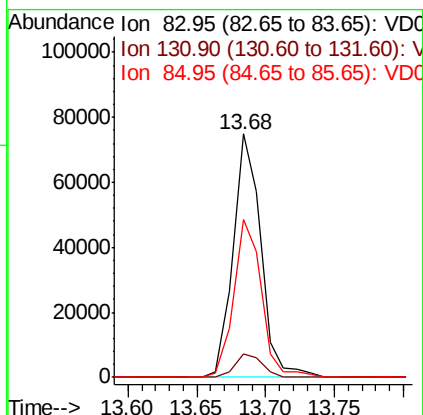
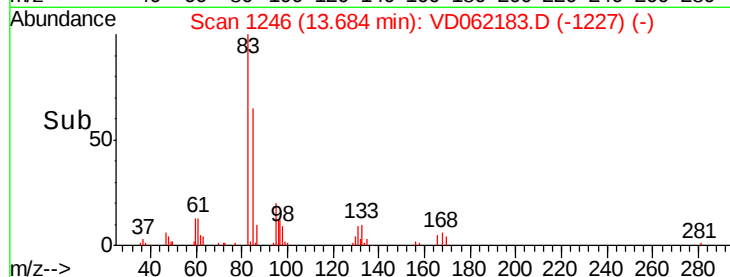
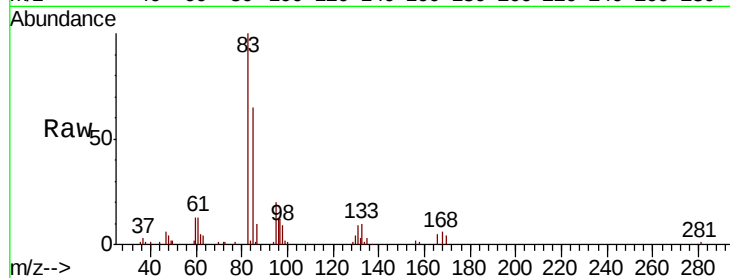
Tot Ion: 83 Resp: 105185

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 64.7 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 142.120 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062183.D

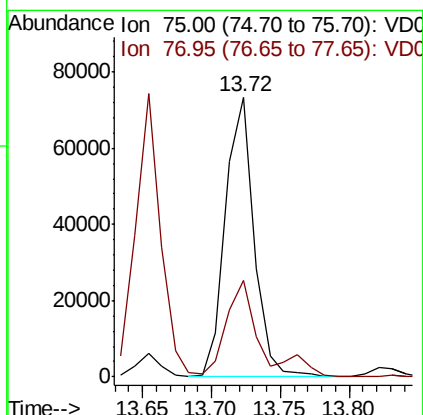
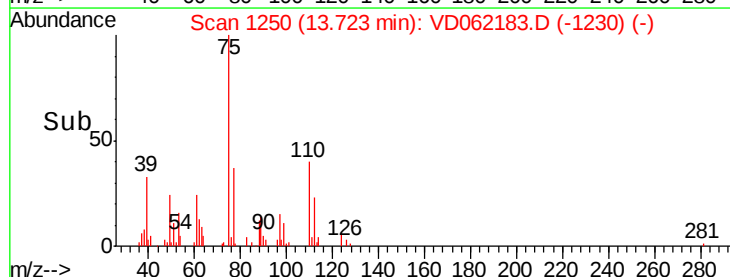
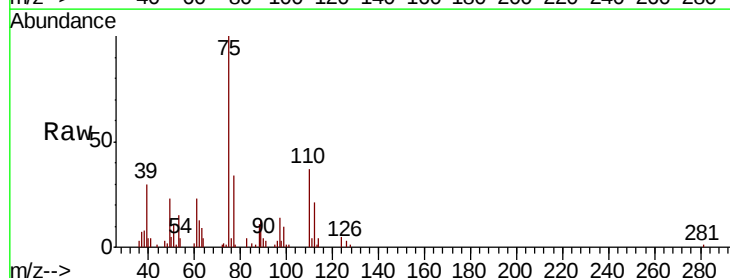
Acq: 8 May 2019 19:27

Tgt Ion: 75 Resp: 106065

Ion Ratio Lower Upper

75 100

77 34.3 16.4 49.4





#77

Bromobenzene

Concen: 73.068 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

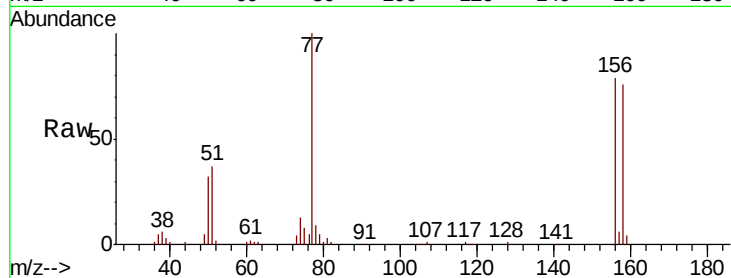
Tot Ion:156 Resp: 76997

Ion Ratio Lower Upper

156 100

77 125.8 53.1 159.4

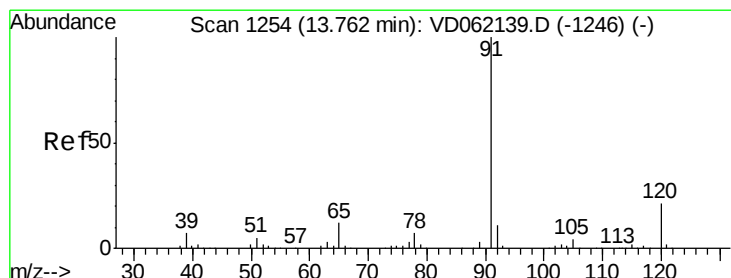
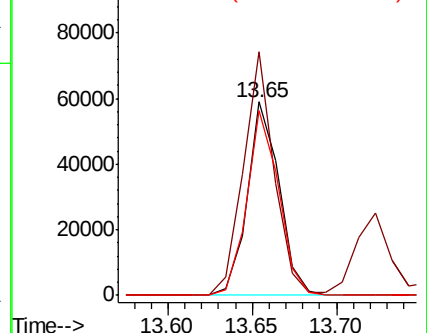
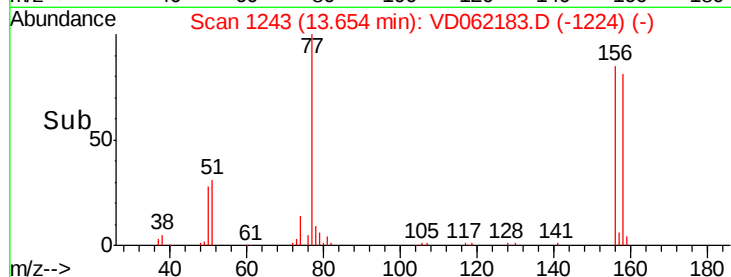
158 95.4 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.383 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062183.D

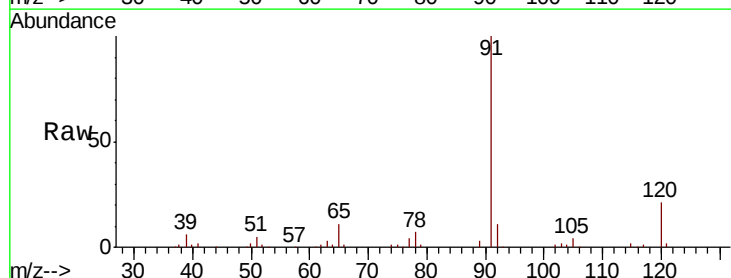
Acq: 8 May 2019 19:27

Tgt Ion: 91 Resp: 203786

Ion Ratio Lower Upper

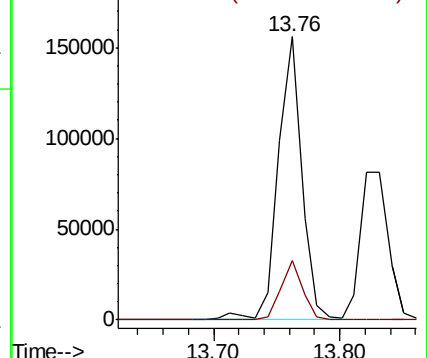
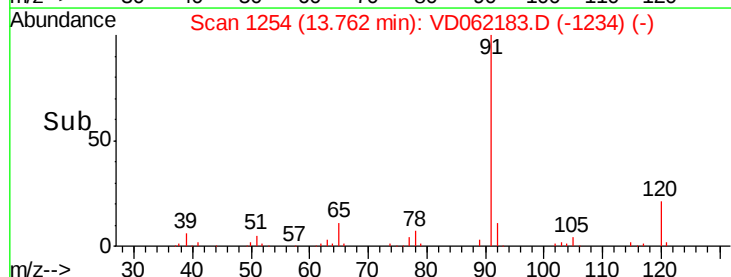
91 100

120 21.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.020 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

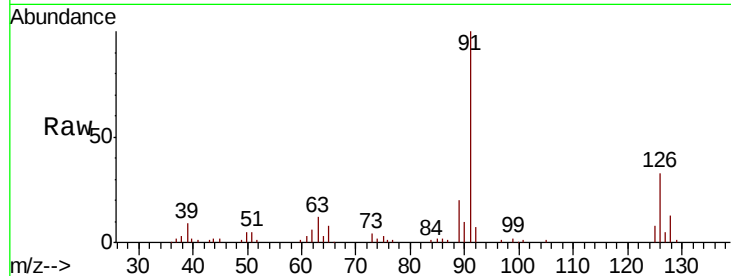
P026-SS002-1218-01MSD

Tot Ion: 91 Resp: 126065

Ion Ratio Lower Upper

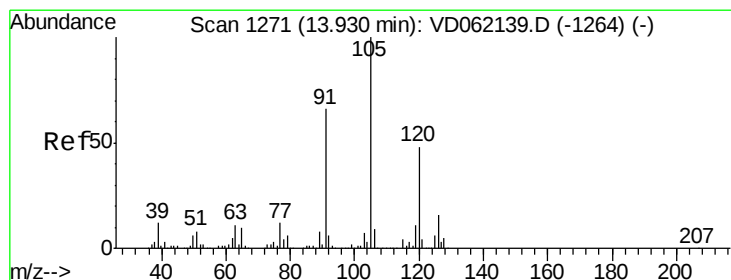
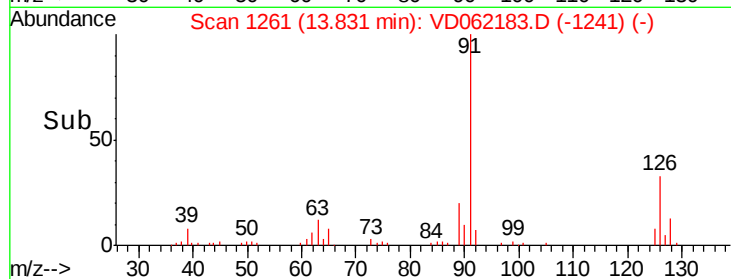
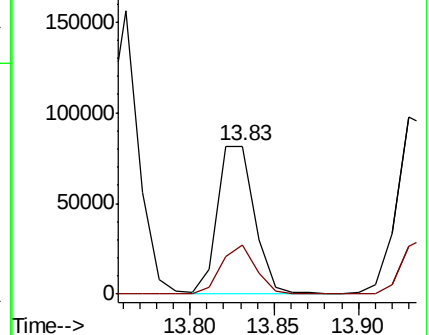
91 100

126 33.1 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: 50.220 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062183.D

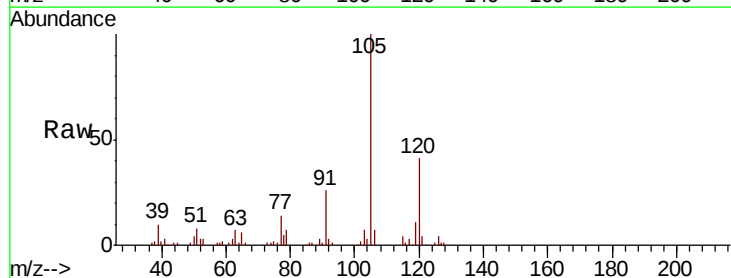
Acq: 8 May 2019 19:27

Tgt Ion:105 Resp: 159190

Ion Ratio Lower Upper

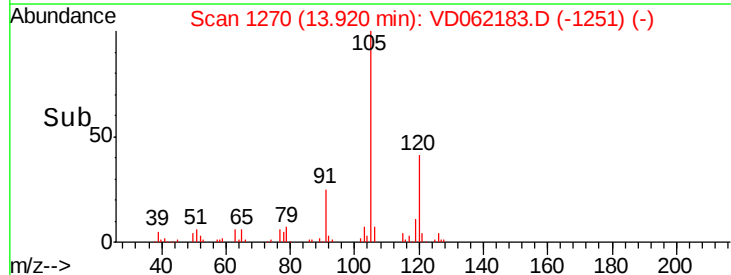
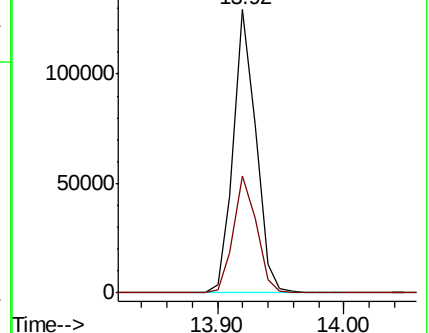
105 100

120 41.1 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: 139.397 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

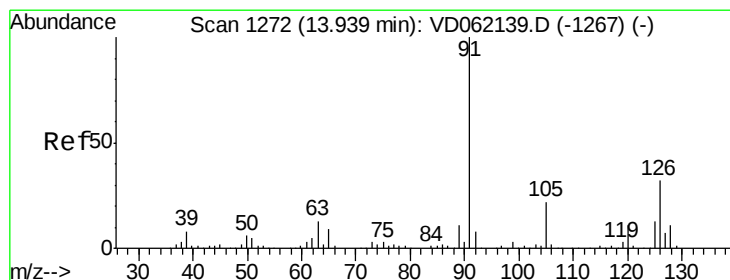
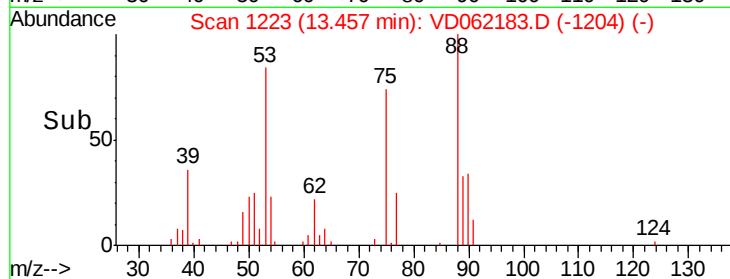
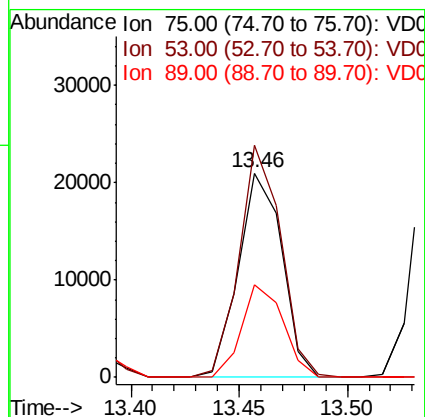
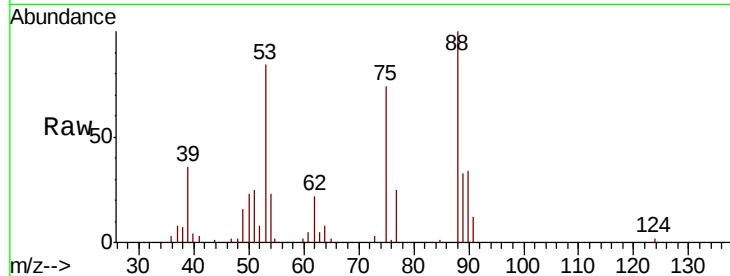
Tot Ion: 75 Resp: 29369

Ion Ratio Lower Upper

75 100

53 113.7 65.8 98.8#

89 45.3 35.0 52.6



#82

4-Chlorotoluene

Concen: 50.899 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062183.D

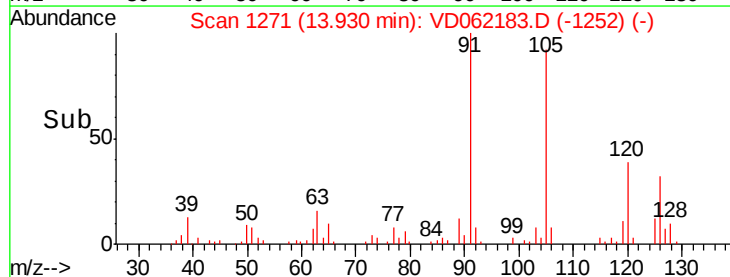
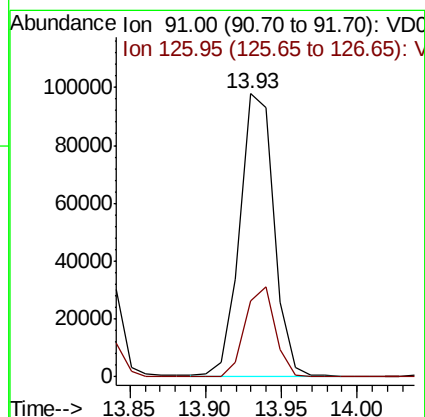
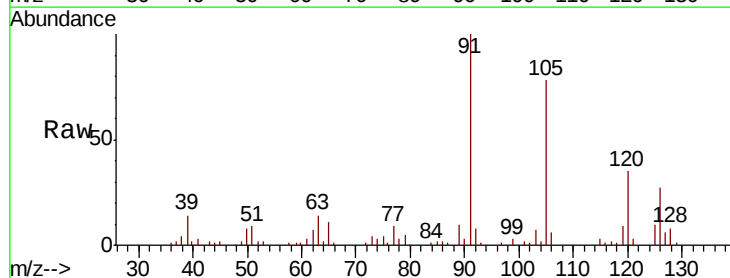
Acq: 8 May 2019 19:27

Tgt Ion: 91 Resp: 154035

Ion Ratio Lower Upper

91 100

126 27.0 19.1 57.5





#83

tert-Butylbenzene

Concen: 56.595 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

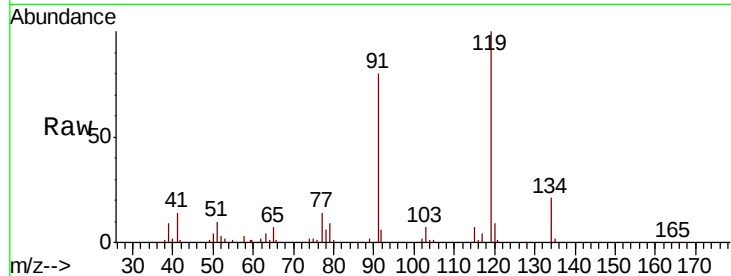
Tot Ion:119 Resp: 201642

Ion Ratio Lower Upper

119 100

91 79.6 34.2 102.6

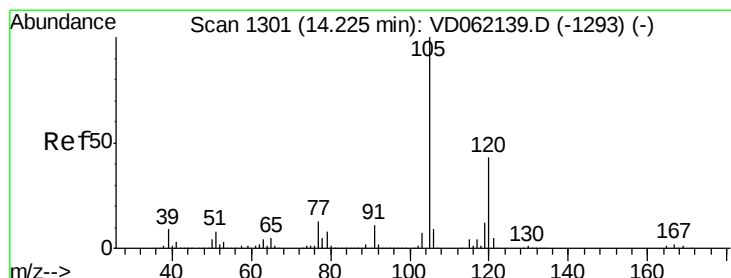
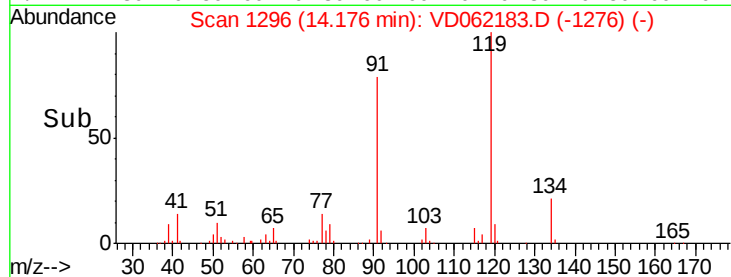
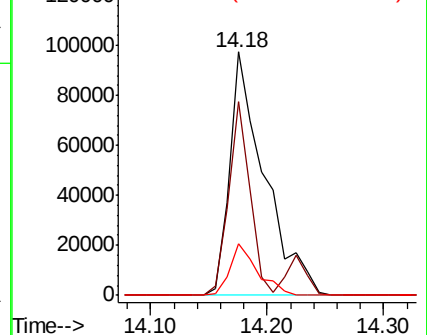
134 21.2 12.0 36.0



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: 57.228 ug/l

RT: 14.22 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD062183.D

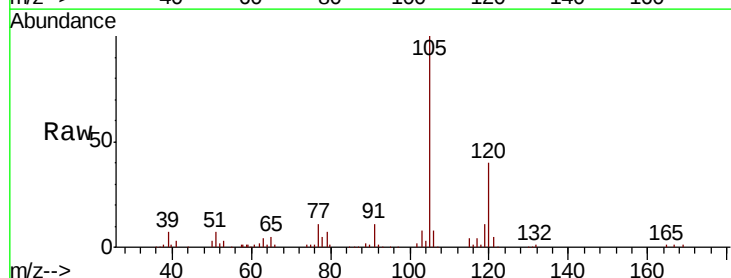
Acq: 8 May 2019 19:27

Tgt Ion:105 Resp: 182038

Ion Ratio Lower Upper

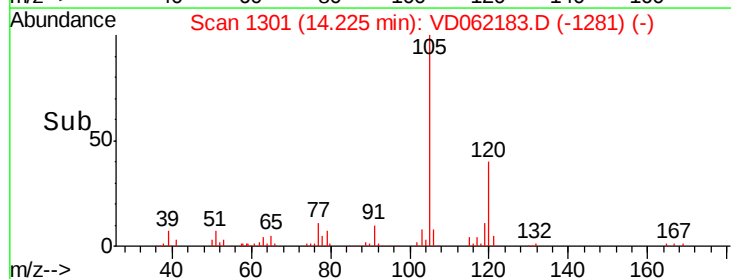
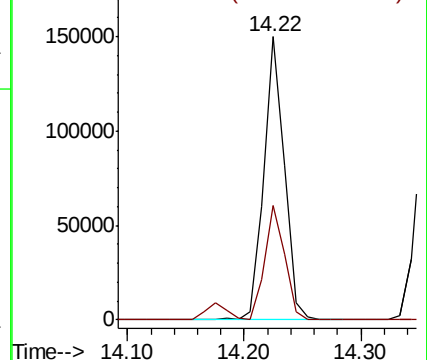
105 100

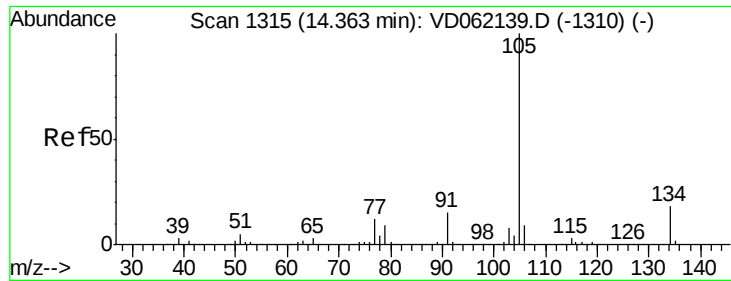
120 40.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

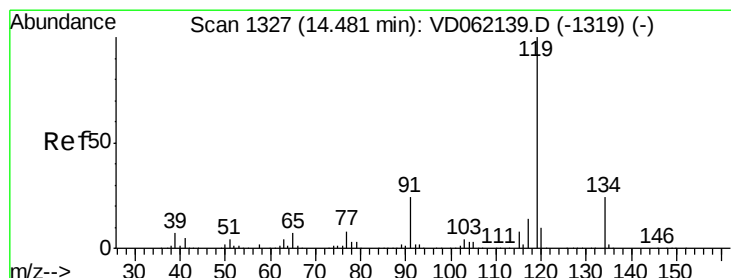
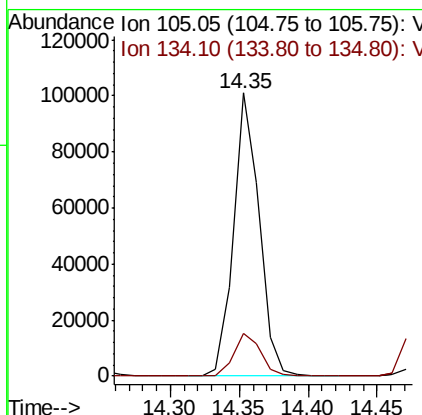
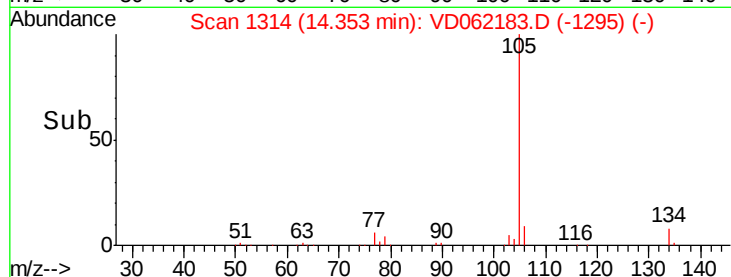
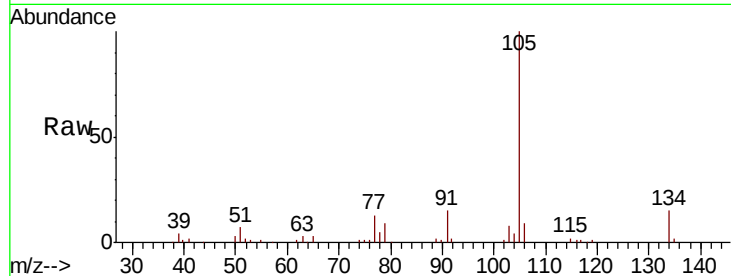




#85
 sec-Butylbenzene
 Concen: 33.448 ug/l
 RT: 14.35 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

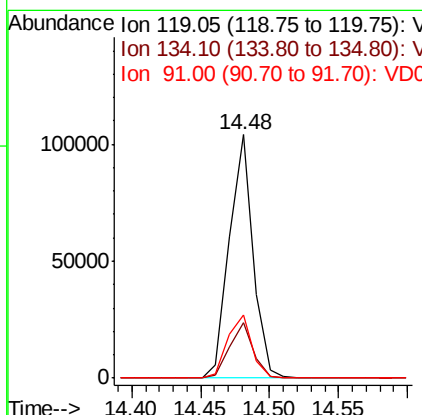
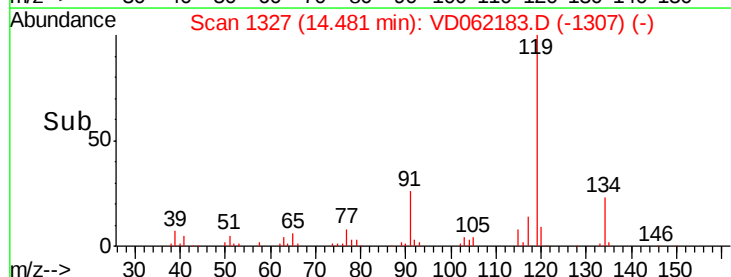
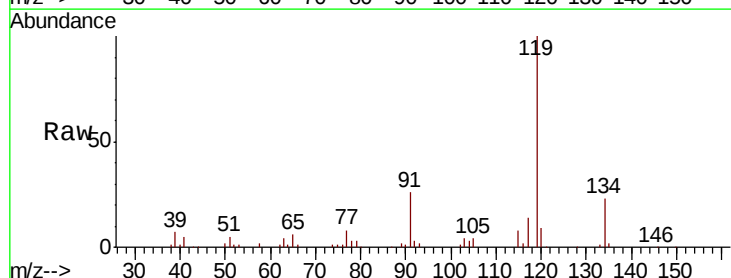
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion:105 Resp: 130659
 Ion Ratio Lower Upper
 105 100
 134 15.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 35.676 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion:119 Resp: 124515
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.8 38.3
 91 25.8 10.7 32.1

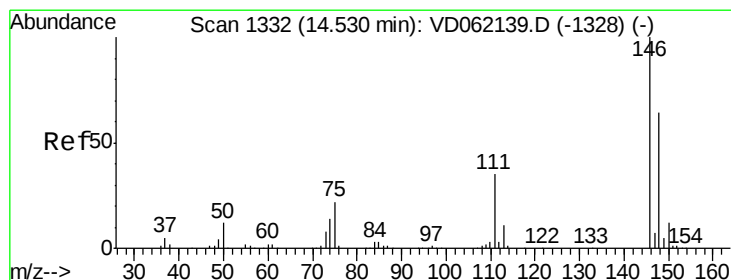
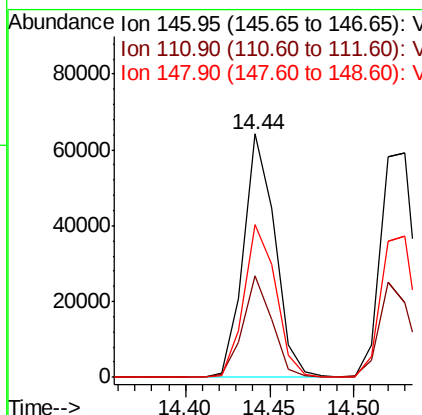
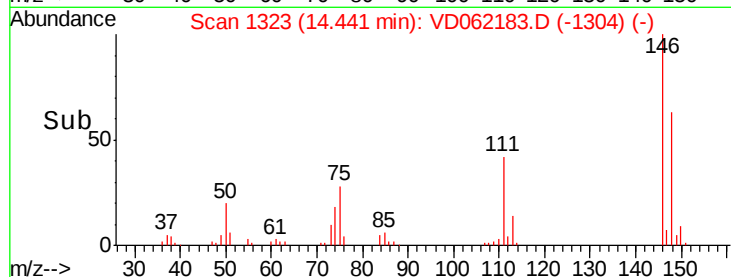
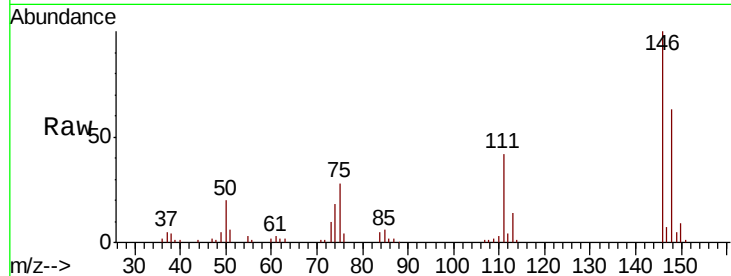




#87
 1,3-Dichlorobenzene
 Concen: 43.331 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

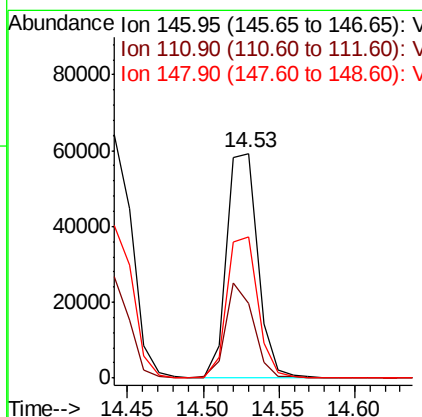
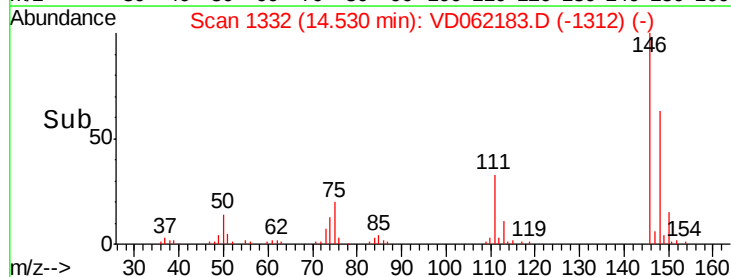
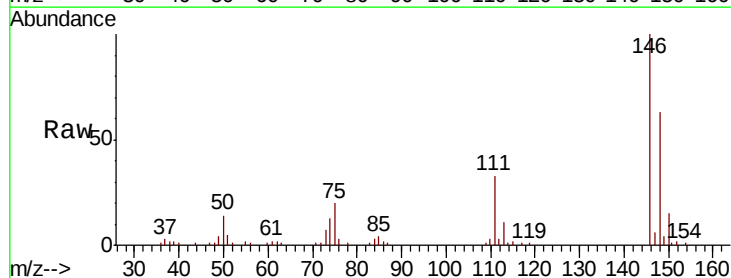
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

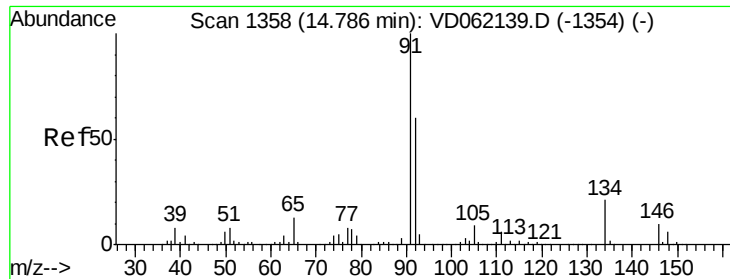
Tot Ion:146 Resp: 83412
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.0 60.0
 148 62.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 44.746 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion:146 Resp: 84634
 Ion Ratio Lower Upper
 146 100
 111 33.2 20.2 60.5
 148 62.9 32.0 96.2





#89

n-Butylbenzene

Concen: 27.222 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062183.D

Acq: 8 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

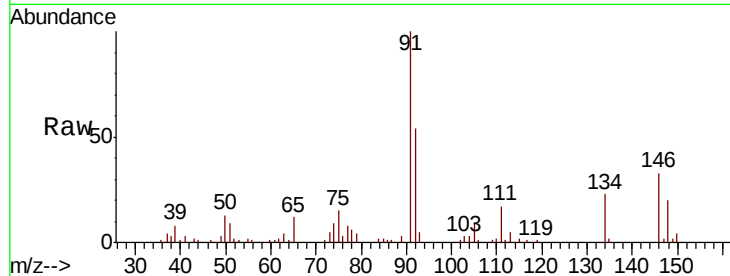
Tot Ion: 91 Resp: 85276

Ion Ratio Lower Upper

91 100

92 54.1 30.3 91.0

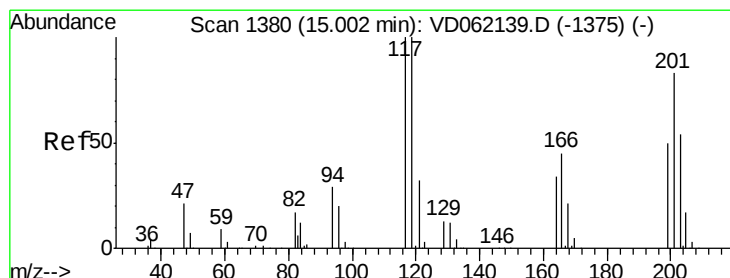
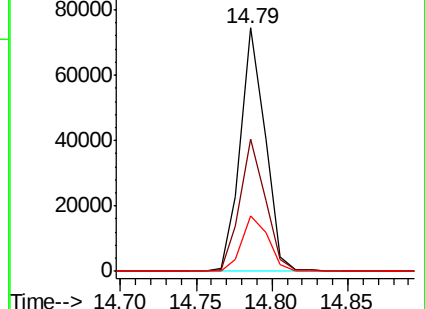
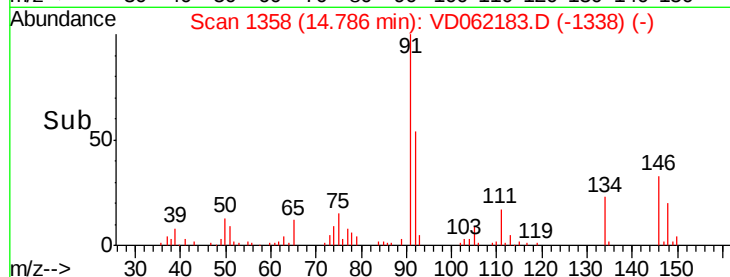
134 22.6 14.5 43.6



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: 41.755 ug/l

RT: 14.99 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062183.D

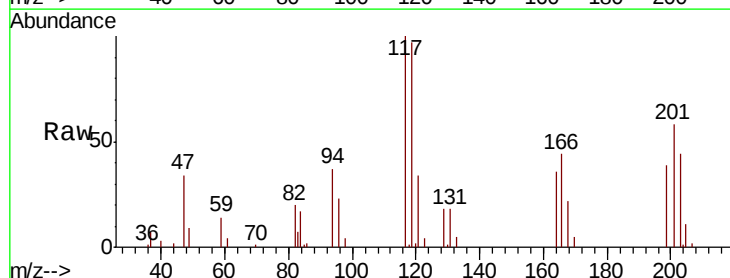
Acq: 8 May 2019 19:27

Tgt Ion: 117 Resp: 39631

Ion Ratio Lower Upper

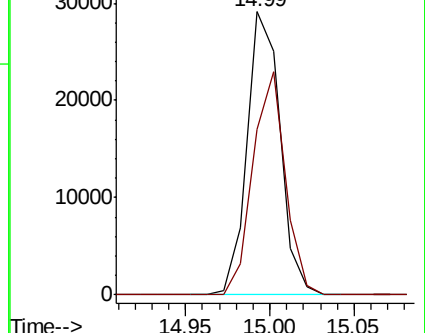
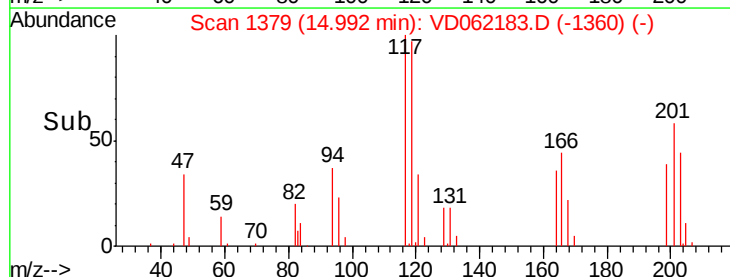
117 100

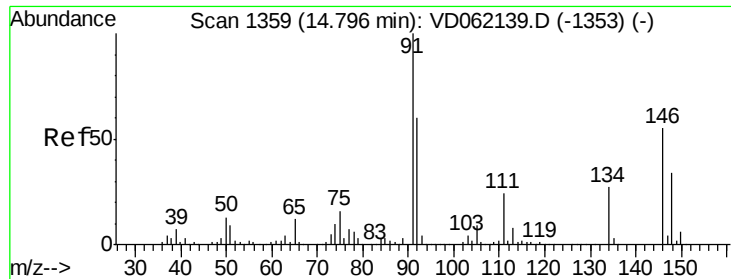
201 58.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

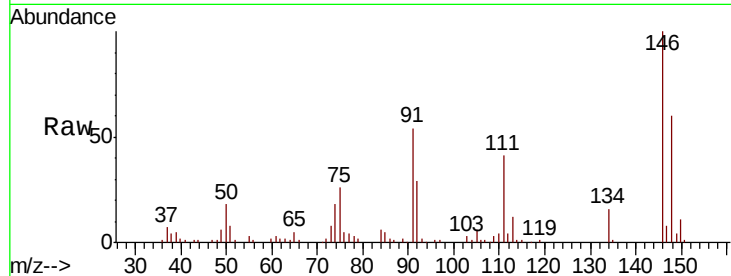




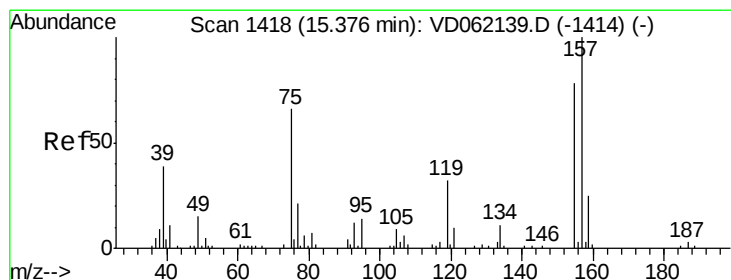
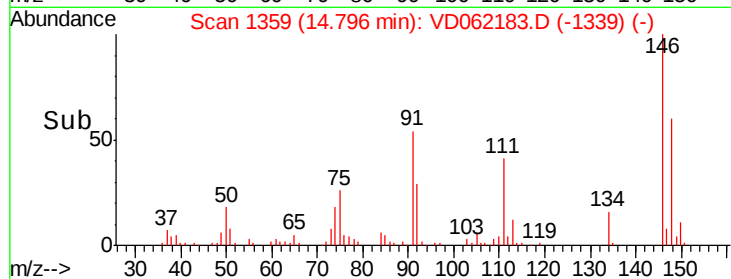
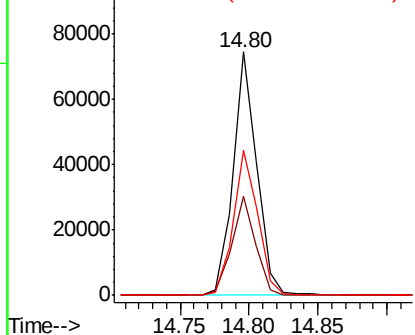
#91
 1,2-Dichlorobenzene
 Concen: 56.020 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

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

Tot Ion:146 Resp: 88811
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 59.9
 148 59.7 32.3 96.8

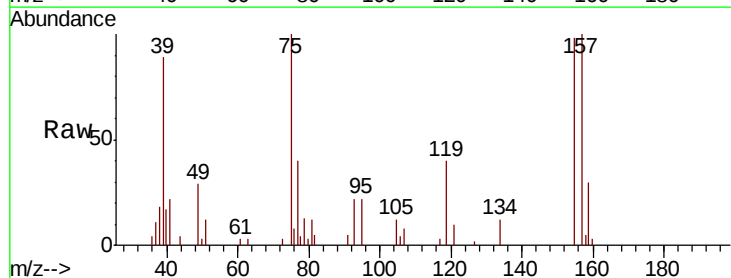


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

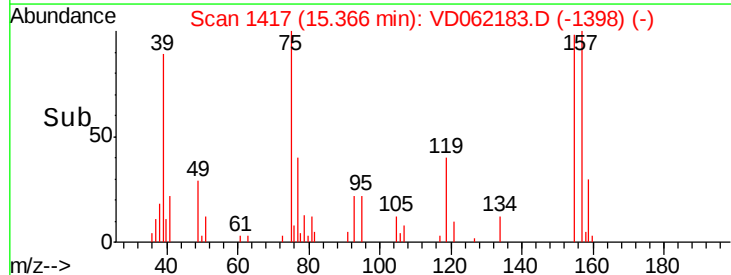
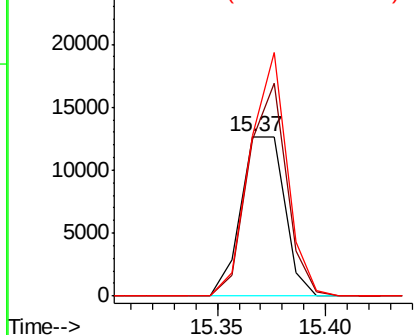


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.770 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion: 75 Resp: 17754
 Ion Ratio Lower Upper
 75 100
 155 97.7 55.3 165.8
 157 100.2 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

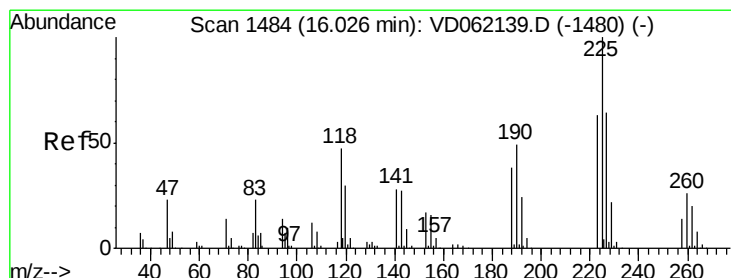
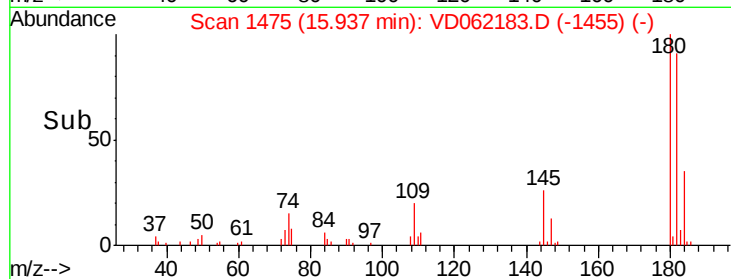
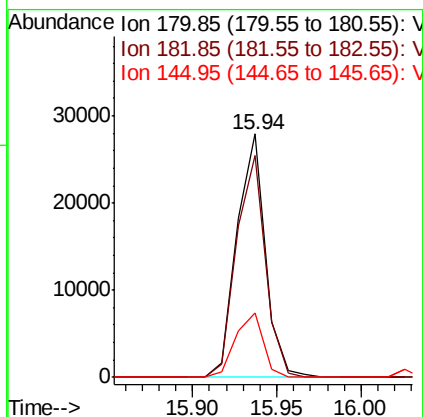
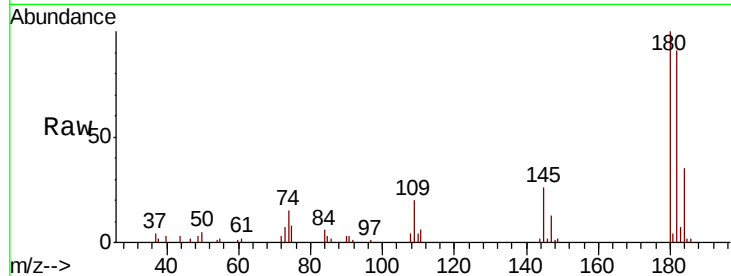




#93
 1,2,4-Trichlorobenzene
 Concen: 28.294 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

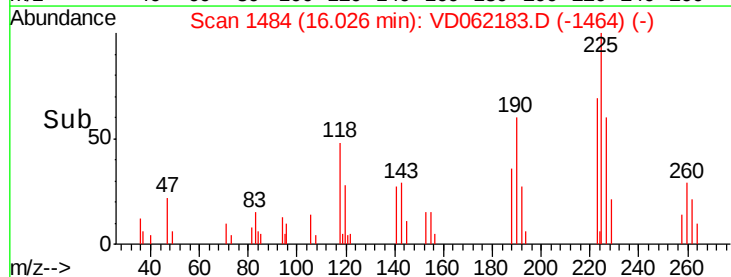
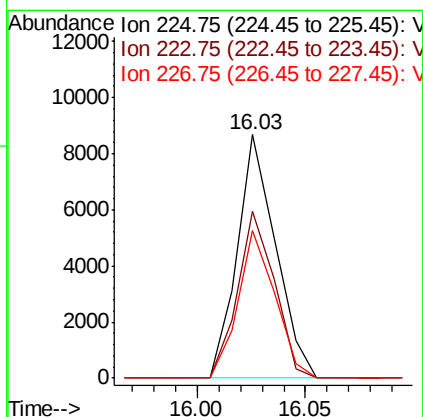
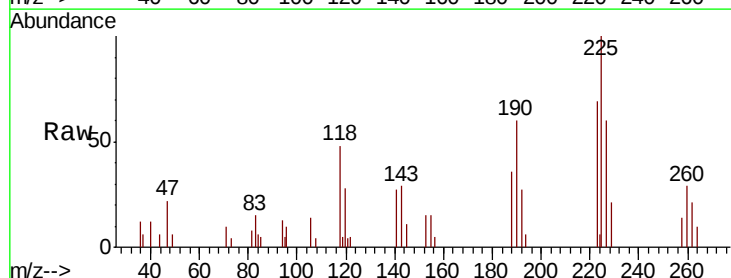
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

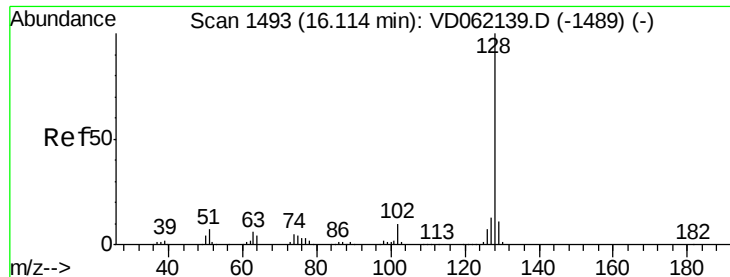
Tot Ion:180 Resp: 32649
 Ion Ratio Lower Upper
 180 100
 182 91.1 49.3 147.8
 145 26.3 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 12.437 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062183.D
 Acq: 8 May 2019 19:27

Tgt Ion:225 Resp: 10674
 Ion Ratio Lower Upper
 225 100
 223 68.6 30.6 92.0
 227 60.5 32.0 96.2

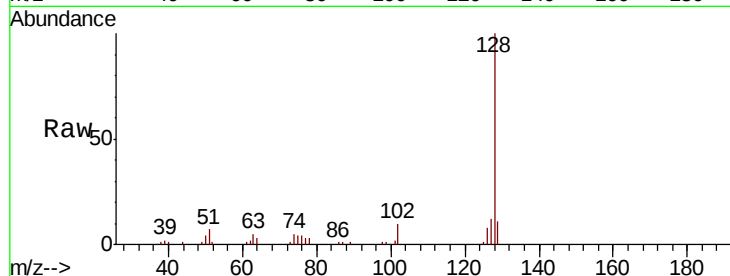




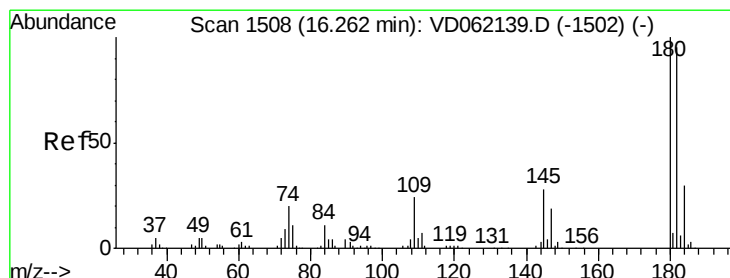
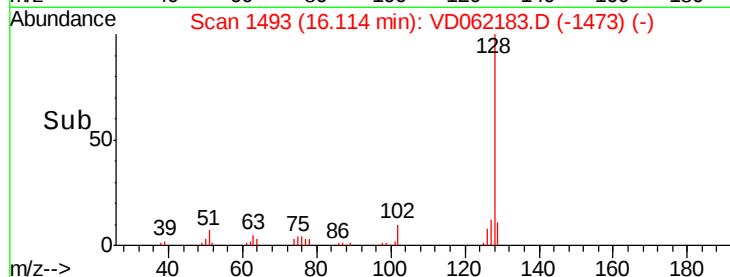
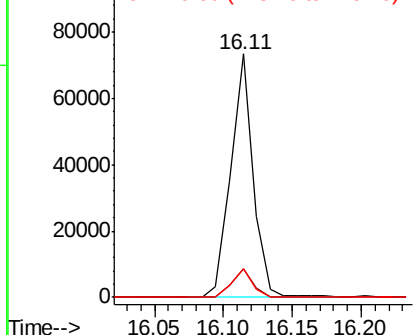
#95
Naphthalene
Concen: 51.523 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

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

Tot Ion:128 Resp: 83003
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 11.5 8.8 13.2

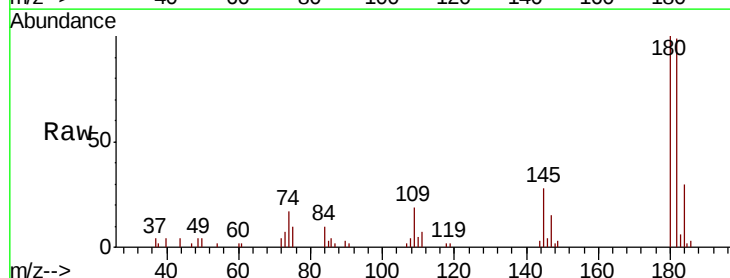


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 30.034 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062183.D
Acq: 8 May 2019 19:27

Tgt Ion:180 Resp: 21790
Ion Ratio Lower Upper
180 100
182 98.9 47.0 141.0
145 27.9 17.0 51.0



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

