

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062238.D
 Acq On : 11 May 2019 15:36
 Operator : FY/SY
 Sample : K2718-09MS
 Misc : 4.47g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Quant Time: May 11 22:21:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	351268	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	486846	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	303987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	82423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	186688	57.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	6.91	113	218035	53.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.40	98	386438	39.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.36%	
62) 4-Bromofluorobenzene	13.55	95	100506	25.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	221071	65.803	ug/l	96
3) Chloromethane	1.74	50	154192	63.518	ug/l	97
4) Vinyl Chloride	1.84	62	147141	61.675	ug/l	95
5) Bromomethane	2.15	94	61662	110.304	ug/l	88
6) Chloroethane	2.26	64	77852	77.767	ug/l	100
7) Trichlorofluoromethane	2.53	101	346161	74.632	ug/l	97
8) Diethyl Ether	2.86	74	60960	68.147	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	209008	59.569	ug/l	96
10) Methyl Iodide	3.30	142	273211	51.521	ug/l	90
11) Tert butyl alcohol	4.06	59	66291	397.837	ug/l	98
12) 1,1-Dichloroethene	3.12	96	163803	61.158	ug/l	90
13) Acrolein	3.02	56	10759	62.427	ug/l	87
14) Allyl chloride	3.61	41	231690	59.495	ug/l	88
15) Acrylonitrile	4.18	53	154811	353.469	ug/l	86
16) Acetone	3.21	43	208912	305.170	ug/l #	89
17) Carbon Disulfide	3.37	76	318970	41.399	ug/l	98
18) Methyl Acetate	3.63	43	395427	324.635	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	458192	79.812	ug/l	94
20) Methylene Chloride	3.80	84	186260	65.163	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	147367	49.445	ug/l	98
22) Diisopropyl ether	5.11	45	596130	71.935	ug/l #	88
23) Vinyl Acetate	5.11	43	256914	58.759	ug/l #	77
24) 1,1-Dichloroethane	4.97	63	348987	69.808	ug/l	99
25) 2-Butanone	6.05	43	257308	344.590	ug/l	97
26) 2,2-Dichloropropane	6.01	77	340116	68.298	ug/l	91
27) cis-1,2-Dichloroethene	6.02	96	189428	56.782	ug/l	93
28) Bromochloromethane	6.43	49	147117	74.797	ug/l	93
29) Tetrahydrofuran	6.45	42	136030	395.376	ug/l	95
30) Chloroform	6.65	83	424816	70.509	ug/l	97
31) Cyclohexane	6.94	56	180416	52.676	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	408016	71.648	ug/l	98
36) 1,1-Dichloropropene	7.14	75	192979	48.345	ug/l	93
37) Ethyl Acetate	6.16	43	35312	20.860	ug/l	93
38) Carbon Tetrachloride	7.11	117	403077	72.957	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	119559	31.261	ug/l	99
40) Benzene	7.45	78	546945	60.680	ug/l	98
41) Methacrylonitrile	6.44	41	157087	75.935	ug/l #	79
42) 1,2-Dichloroethane	7.57	62	310243	81.238	ug/l	92
43) Isopropyl Acetate	9.23	43	27118	11.295	ug/l	100
44) Trichloroethene	8.53	130	161260	46.950	ug/l	86
45) 1,2-Dichloropropane	8.93	63	152351	68.333	ug/l	99
46) Dibromomethane	9.05	93	123279	67.996	ug/l	90
47) Bromodichloromethane	9.37	83	323976	73.054	ug/l	99
48) Methyl methacrylate	9.11	41	163252	110.396	ug/l #	86
49) 1,4-Dioxane	9.07	88	26514	1661.755	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	586619	380.120	ug/l	93
52) Toluene	10.50	92	303455	51.743	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	207139	54.043	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	228627	54.678	ug/l #	87
55) 1,1,2-Trichloroethane	11.18	97	144797	69.780	ug/l	96
56) Ethyl methacrylate	11.03	69	39873	18.492	ug/l #	82
57) 1,3-Dichloropropane	11.41	76	216640	69.106	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	413969	351.464	ug/l	100
59) 2-Hexanone	11.52	43	364218	320.211	ug/l	90
60) Dibromochloromethane	11.68	129	234140	65.290	ug/l	100
61) 1,2-Dibromoethane	11.80	107	150746	59.754	ug/l	93
64) Tetrachloroethene	11.26	164	117080	49.254	ug/l	91
65) Chlorobenzene	12.39	112	289063	51.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	212022	86.044	ug/l	96
67) Ethyl Benzene	12.52	91	568371	59.962	ug/l	98
68) m/p-Xylenes	12.66	106	357363	103.625	ug/l	86
69) o-Xylene	13.05	106	211844	66.075	ug/l	91
70) Styrene	13.07	104	282017	51.925	ug/l	96
71) Bromoform	13.23	173	143642	83.787	ug/l	100
73) Isopropylbenzene	13.39	105	471538	95.440	ug/l	92
74) N-amyl acetate	13.27	43	7483	5.777	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	148823	159.112	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	139108	142.015	ug/l	96
77) Bromobenzene	13.67	156	127515	92.196	ug/l	98
78) n-propylbenzene	13.77	91	398520	67.618	ug/l	95
79) 2-Chlorotoluene	13.84	91	300867	89.135	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	399995	96.142	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	33393	120.759	ug/l #	80
82) 4-Chlorotoluene	13.95	91	282037	71.006	ug/l	86
83) tert-Butylbenzene	14.19	119	465116	99.462	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	372437	89.206	ug/l	89
85) sec-Butylbenzene	14.37	105	298254	58.171	ug/l	98
86) p-Isopropyltoluene	14.49	119	310065	67.688	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	128453	50.841	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	121838	49.078	ug/l	97
89) n-Butylbenzene	14.79	91	159789	38.863	ug/l	92
90) Hexachloroethane	15.01	117	102228	82.062	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	133547	64.181	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20983	136.664	ug/l	89

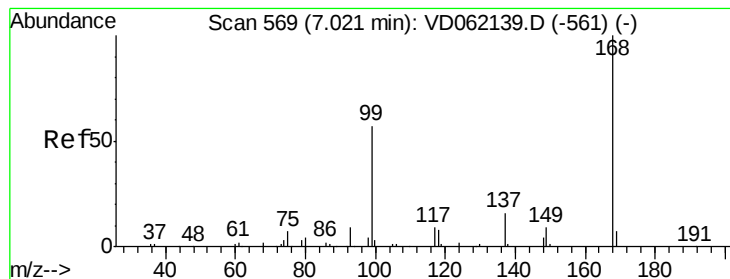
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	35975	23.753	ug/l	96
94) Hexachlorobutadiene	16.03	225	32538	28.885	ug/l	99
95) Naphthalene	16.12	128	103901	49.139	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	31366	32.939	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

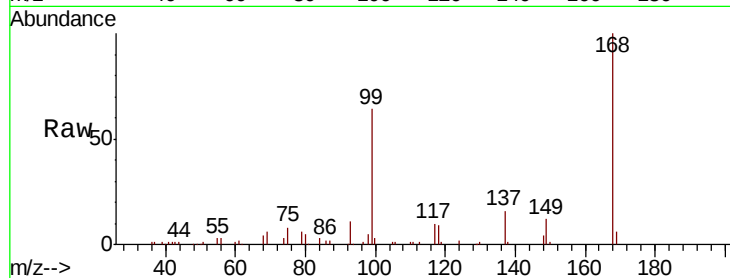
P026-SS006-0002-01MS

Tot Ion:168 Resp: 351268

Ion Ratio Lower Upper

168 100

99 64.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

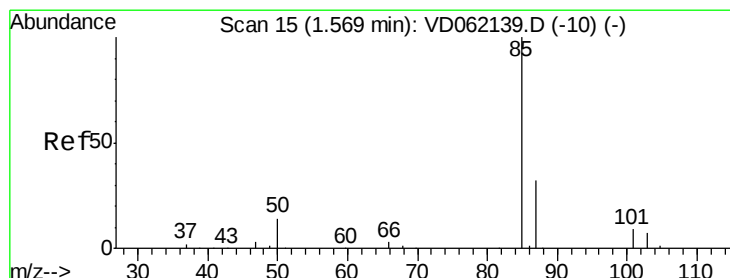
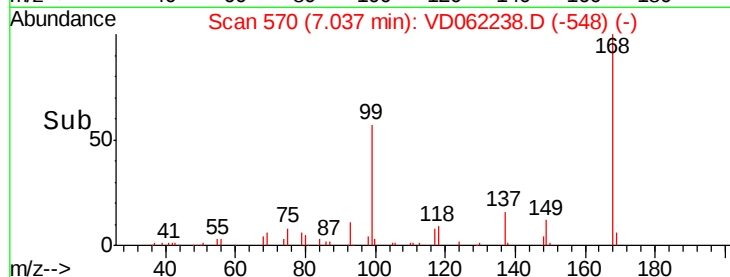
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 65.803 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062238.D

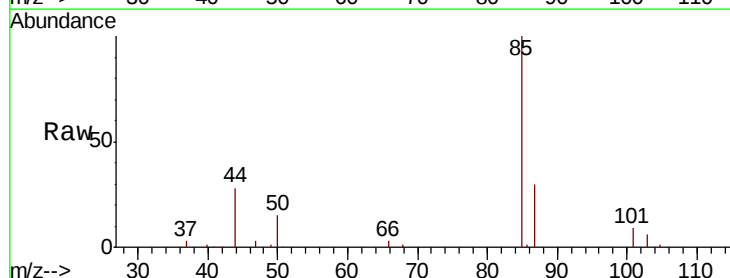
Acq: 11 May 2019 15:36

Tgt Ion: 85 Resp: 221071

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

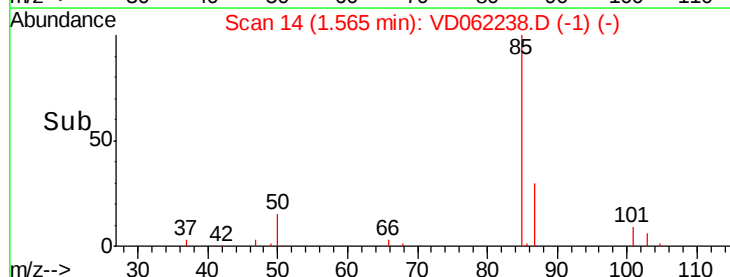
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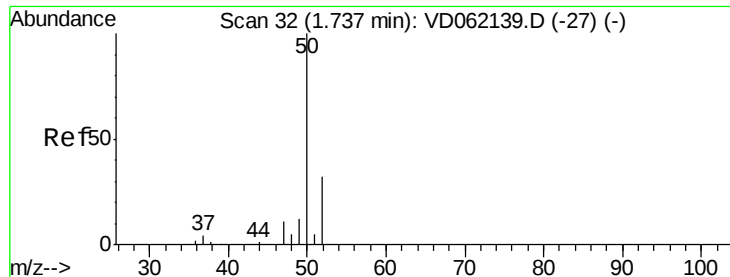
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 63.518 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

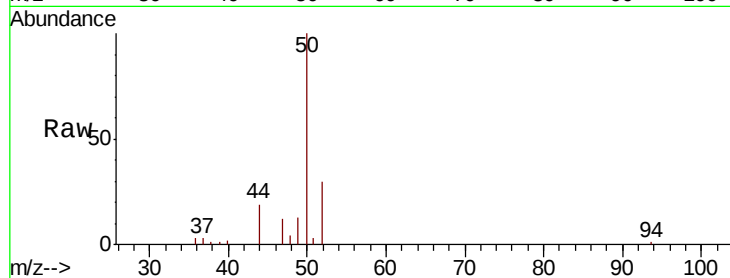
P026-SS006-0002-01MS

Tot Ion: 50 Resp: 154192

Ion Ratio Lower Upper

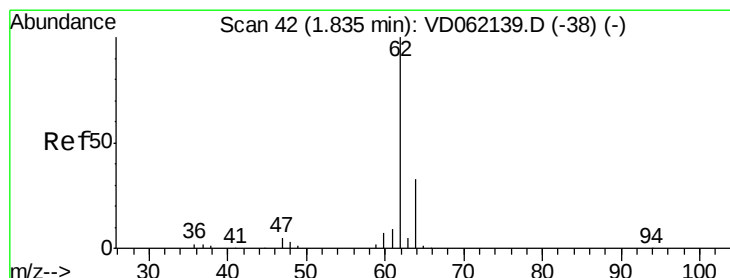
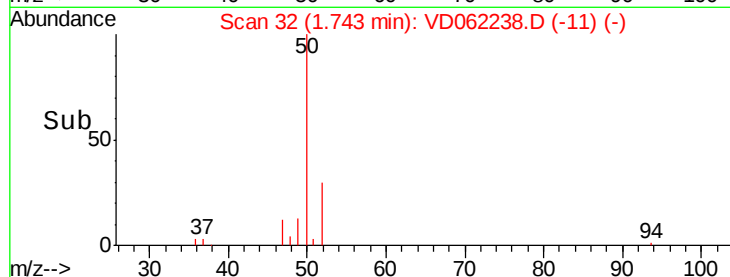
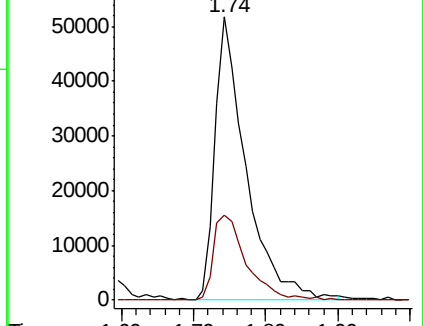
50 100

52 29.9 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: 61.675 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062238.D

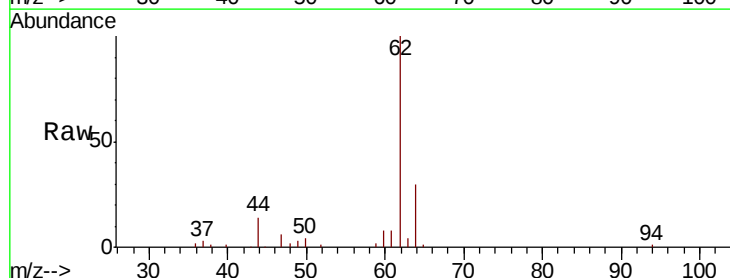
Acq: 11 May 2019 15:36

Tgt Ion: 62 Resp: 147141

Ion Ratio Lower Upper

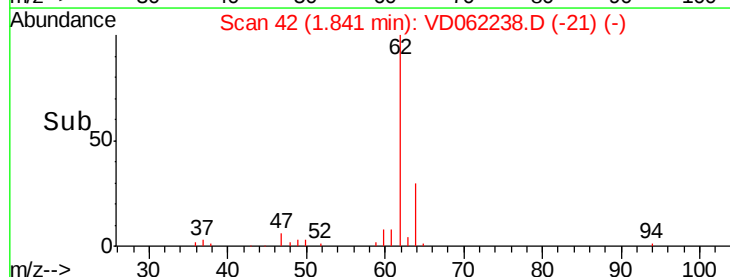
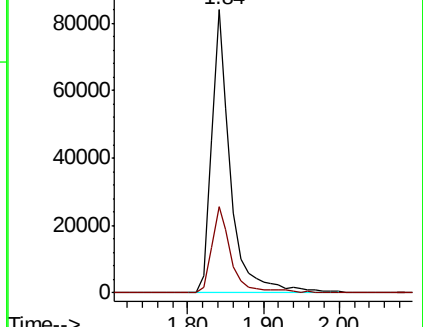
62 100

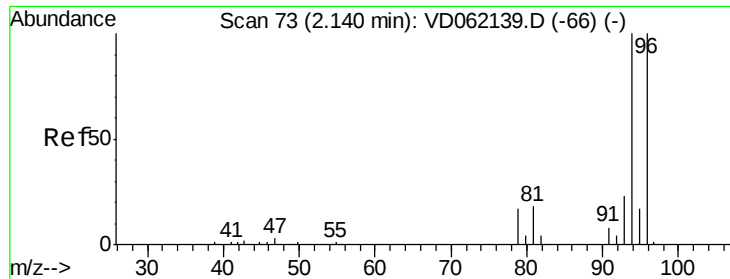
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 110.304 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

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P026-SS006-0002-01MS

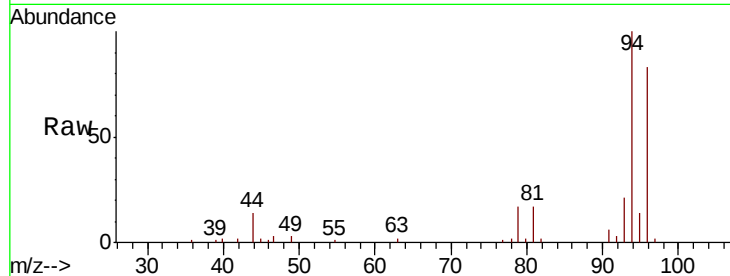
Tot Ion: 94 Resp: 61662

Ion Ratio Lower Upper

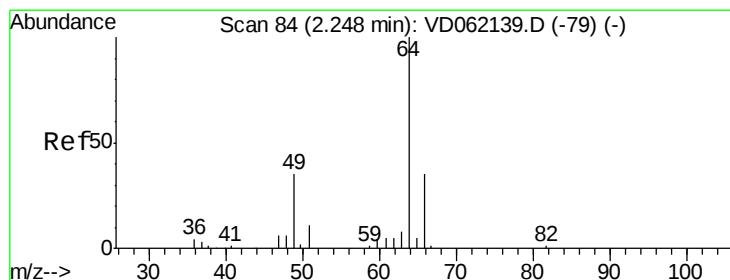
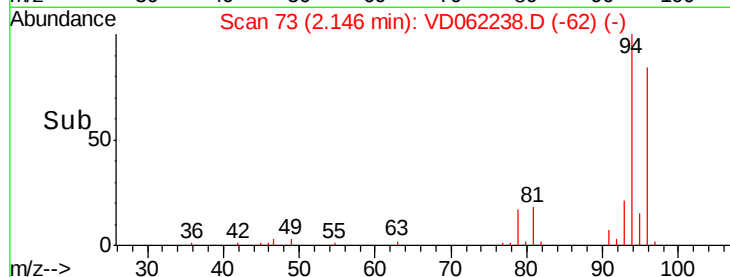
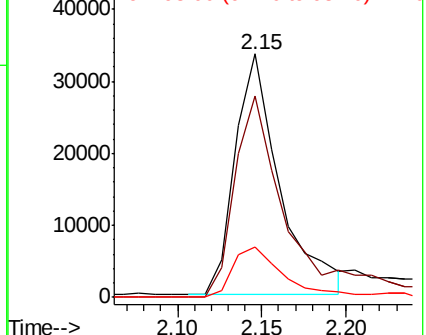
94 100

96 82.7 76.6 115.0

93 20.9 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: 77.767 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD062238.D

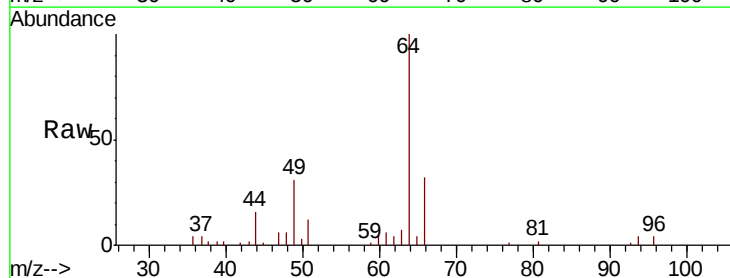
Acq: 11 May 2019 15:36

Tgt Ion: 64 Resp: 77852

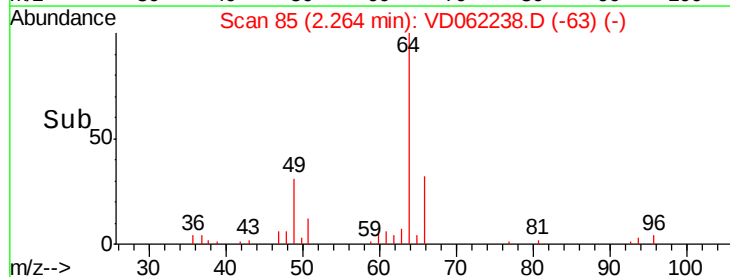
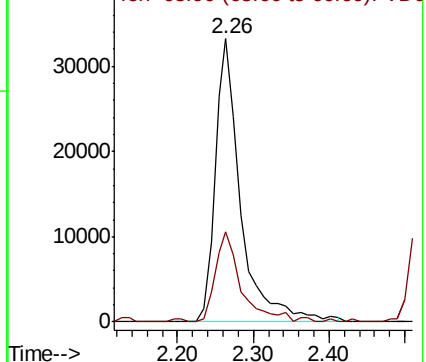
Ion Ratio Lower Upper

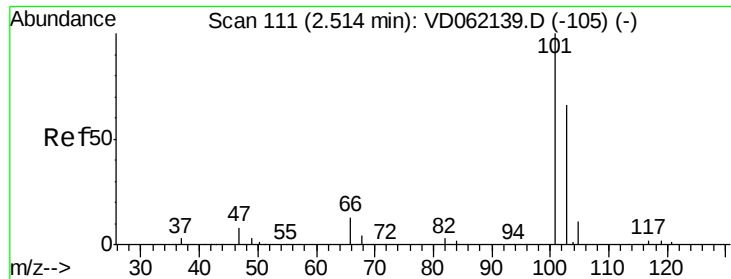
64 100

66 32.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



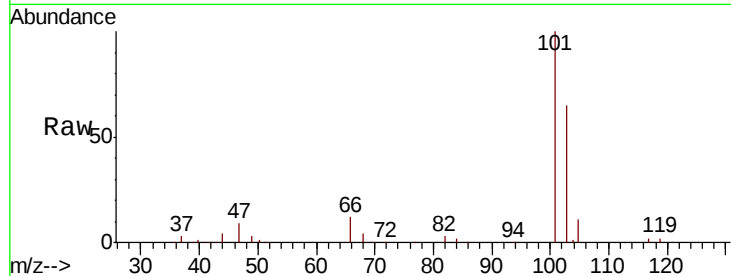


#7

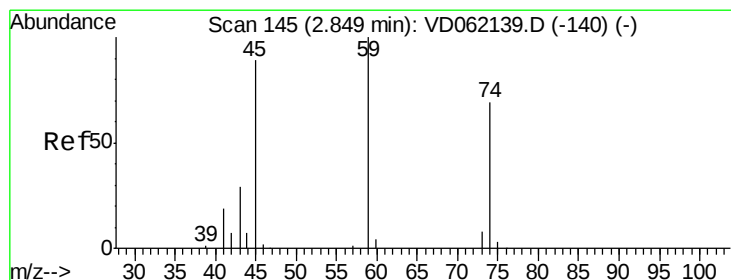
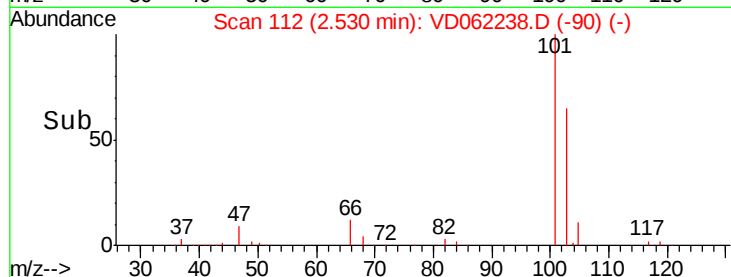
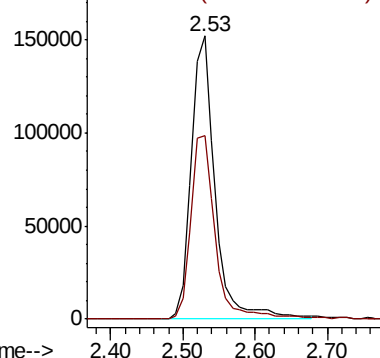
Trichlorofluoromethane
Concen: 74.632 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
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P026-SS006-0002-01MS

Tot Ion:101 Resp: 346161
Ion Ratio Lower Upper
101 100
103 64.9 53.6 80.4



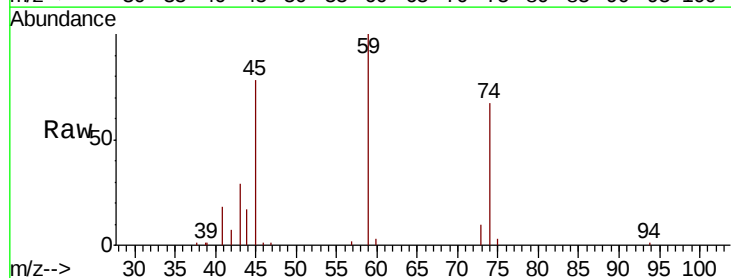
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



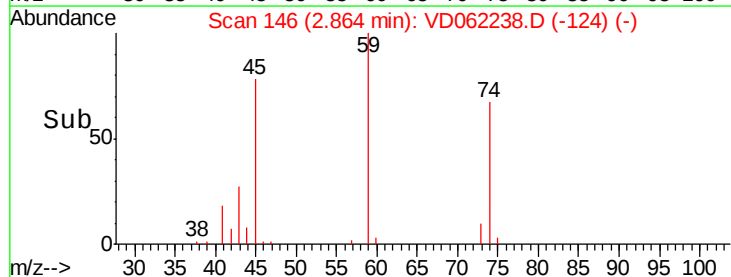
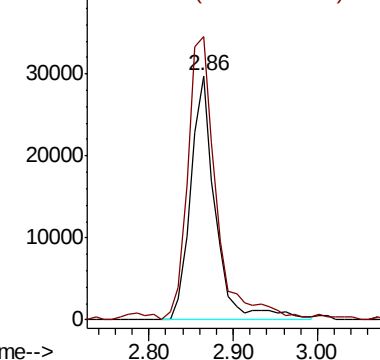
#8

Diethyl Ether
Concen: 68.147 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 74 Resp: 60960
Ion Ratio Lower Upper
74 100
45 116.0 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: 59.569 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

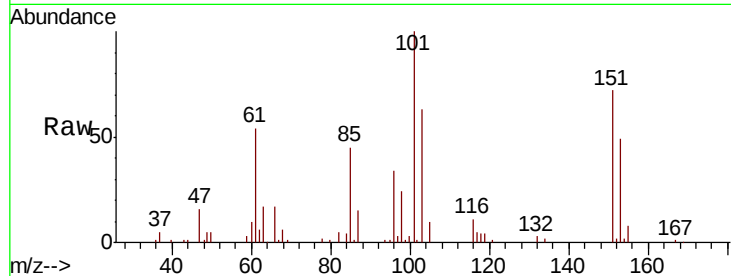
Tot Ion:101 Resp: 209008

Ion Ratio Lower Upper

101 100

85 44.5 32.4 48.6

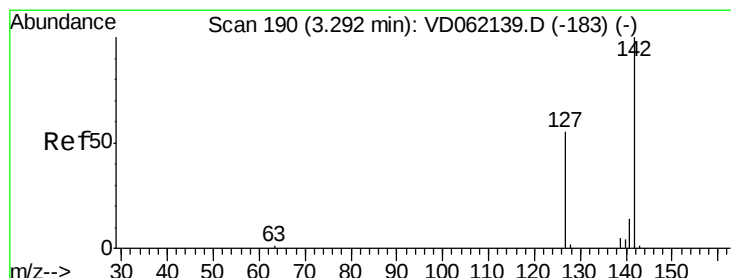
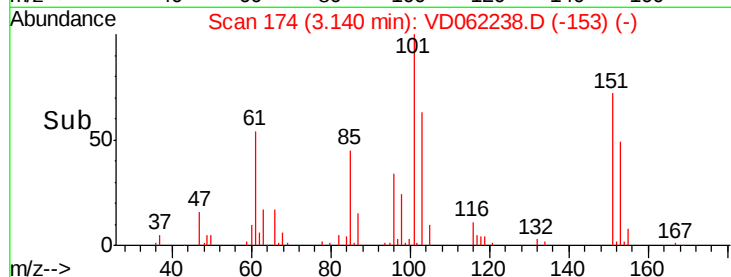
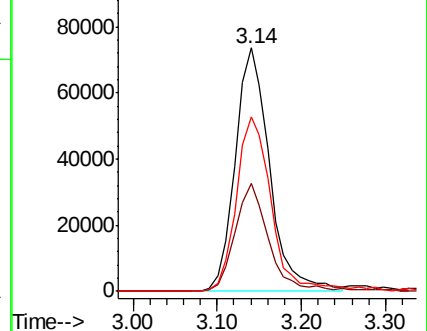
151 71.8 59.4 89.0



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: 51.521 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

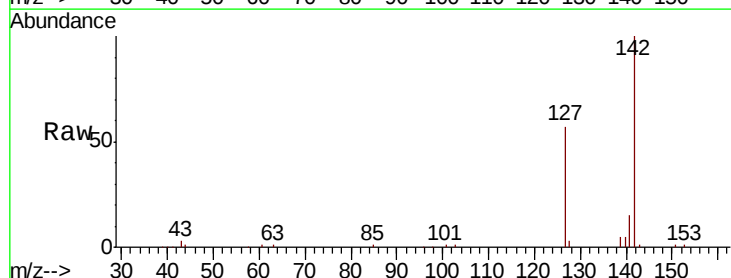
Tgt Ion:142 Resp: 273211

Ion Ratio Lower Upper

142 100

127 57.0 38.8 58.2

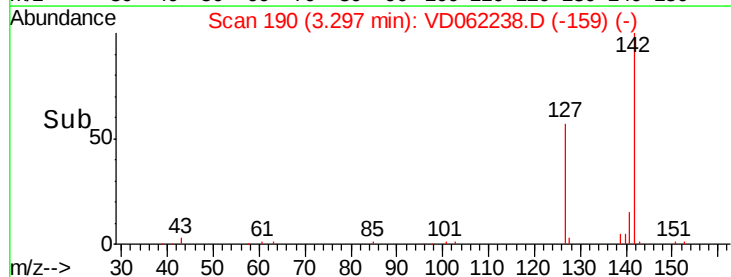
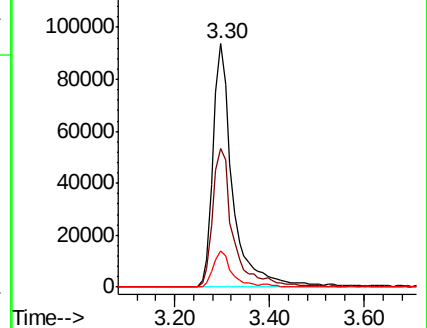
141 14.9 11.4 17.0

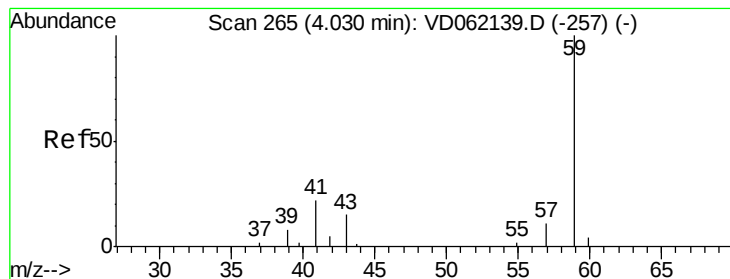


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



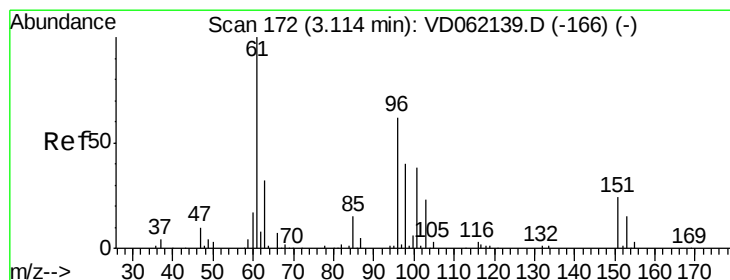
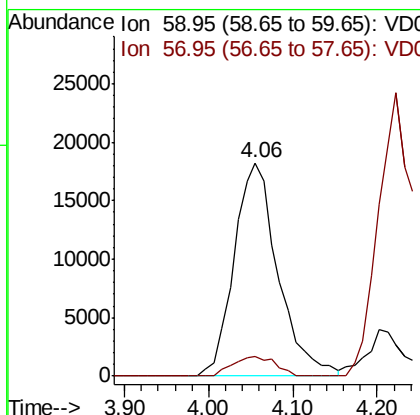
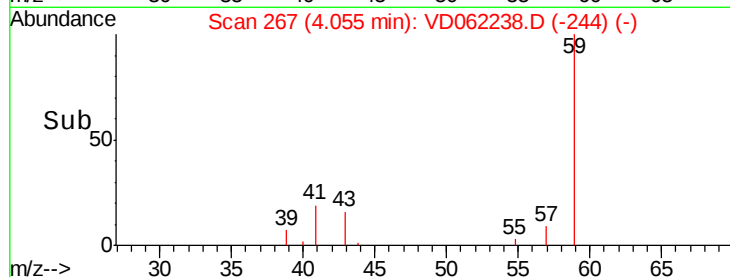
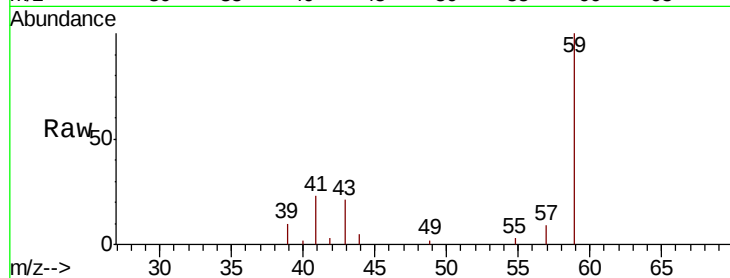


#11

Tert butyl alcohol
 Concen: 397.837 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. 0.03 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

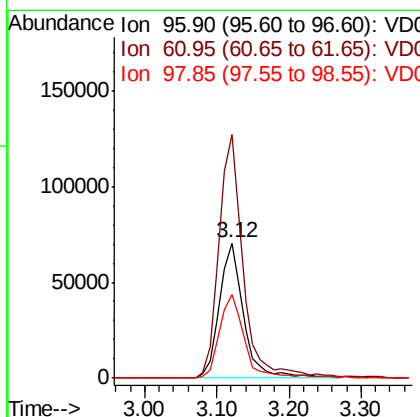
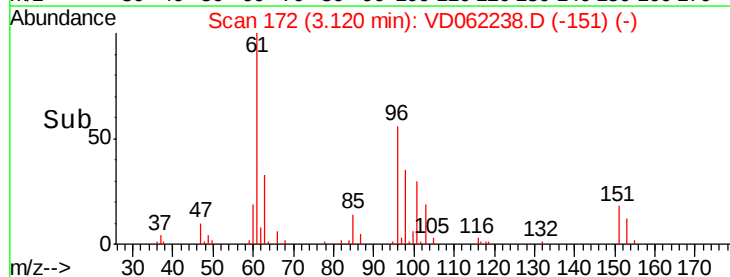
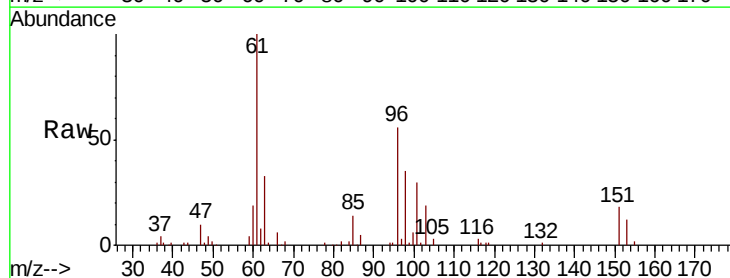
Tot Ion: 59 Resp: 66291
 Ion Ratio Lower Upper
 59 100
 57 9.3 6.9 10.3

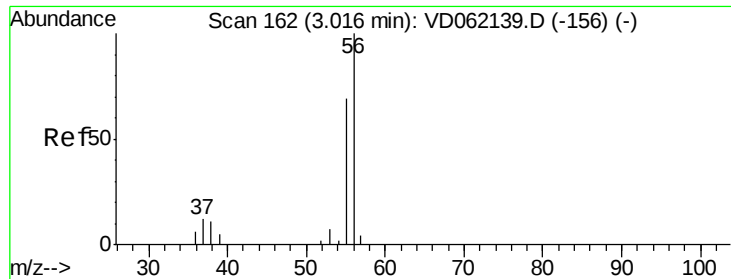


#12

1,1-Dichloroethene
 Concen: 61.158 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 96 Resp: 163803
 Ion Ratio Lower Upper
 96 100
 61 180.1 129.8 194.8
 98 62.3 51.2 76.8

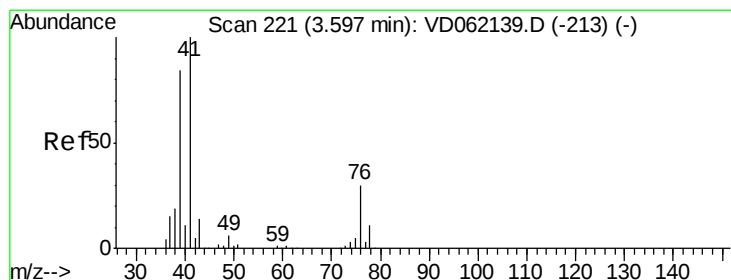
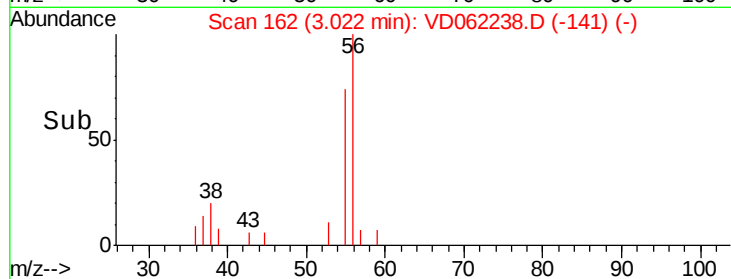
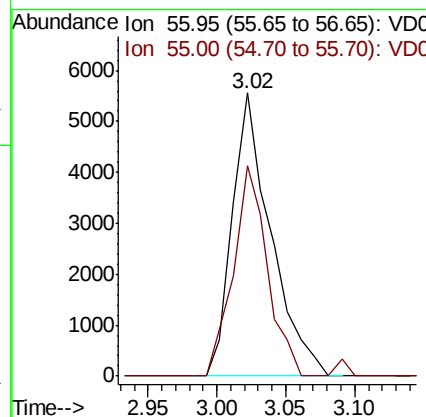
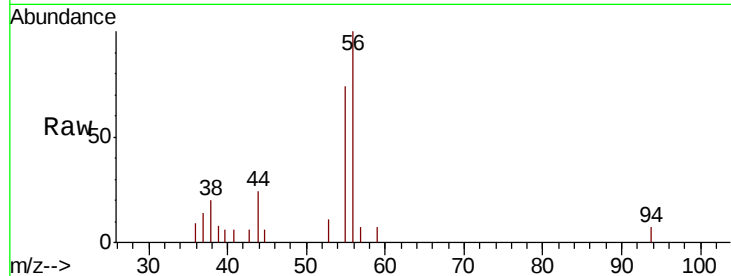




#13
Acrolein
Concen: 62.427 ug/l
RT: 3.02 min Scan# 162
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

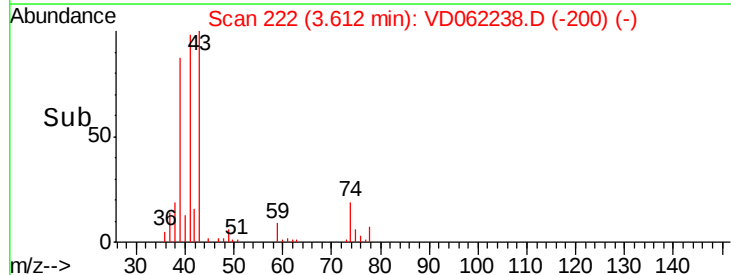
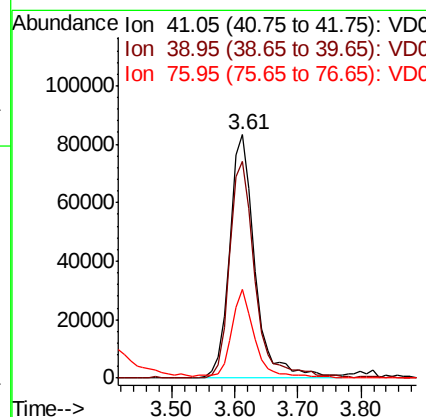
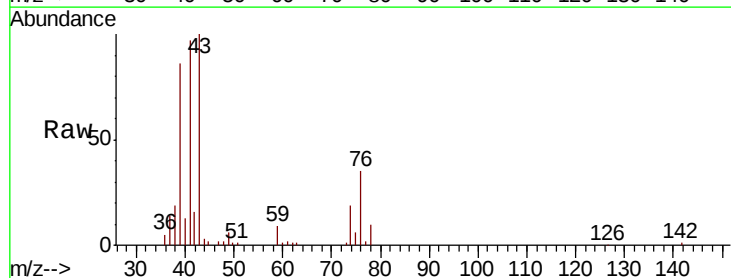
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

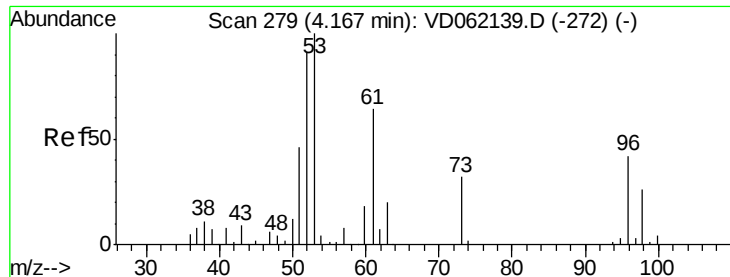
Tot Ion: 56 Resp: 10759
Ion Ratio Lower Upper
56 100
55 74.4 51.4 77.2



#14
Allyl chloride
Concen: 59.495 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 41 Resp: 231690
Ion Ratio Lower Upper
41 100
39 89.0 60.5 90.7
76 36.4 31.8 47.8





#15

Acrylonitrile

Concen: 353.469 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

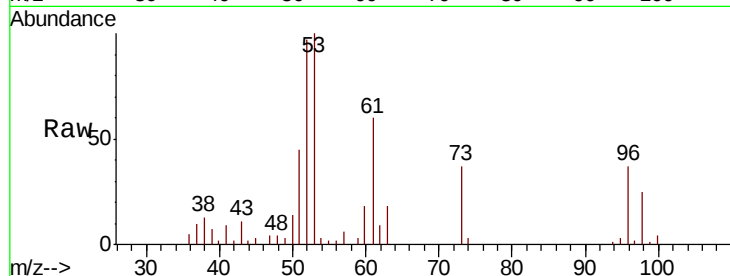
Tot Ion: 53 Resp: 154811

Ion Ratio Lower Upper

53 100

52 96.8 65.0 97.4

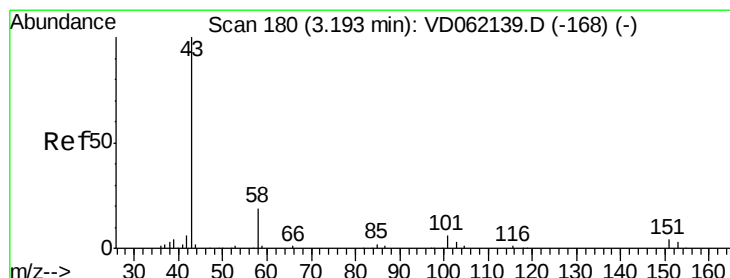
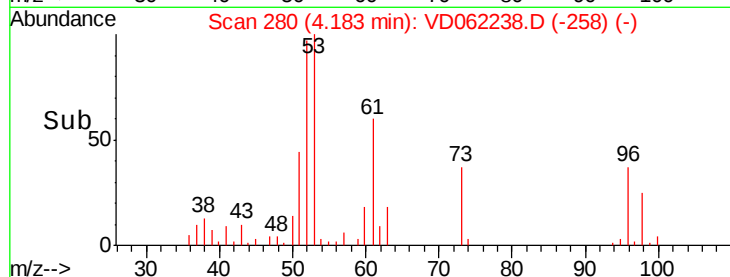
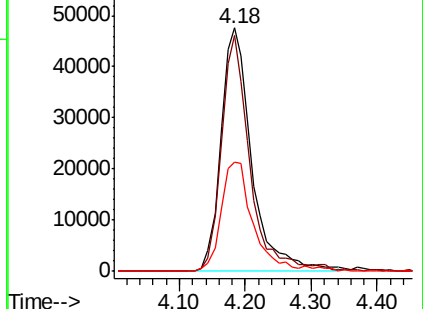
51 44.9 32.6 48.8



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: 305.170 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD062238.D

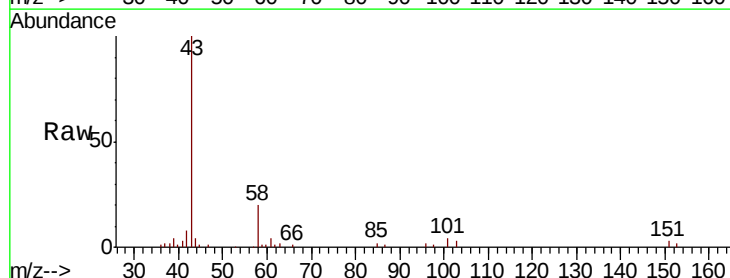
Acq: 11 May 2019 15:36

Tgt Ion: 43 Resp: 208912

Ion Ratio Lower Upper

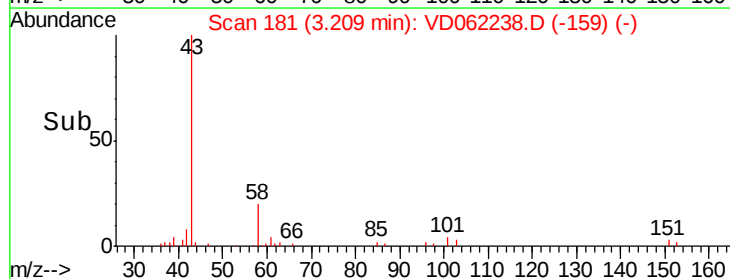
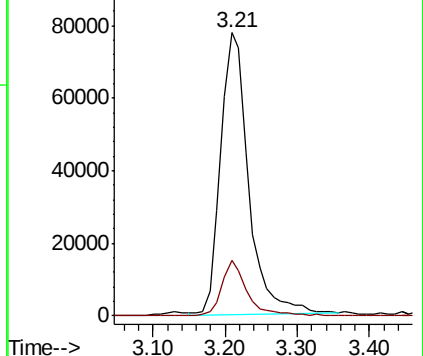
43 100

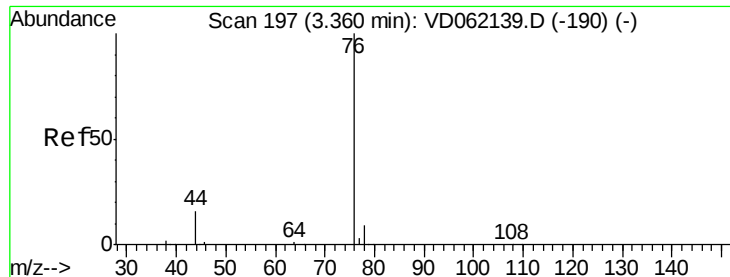
58 19.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

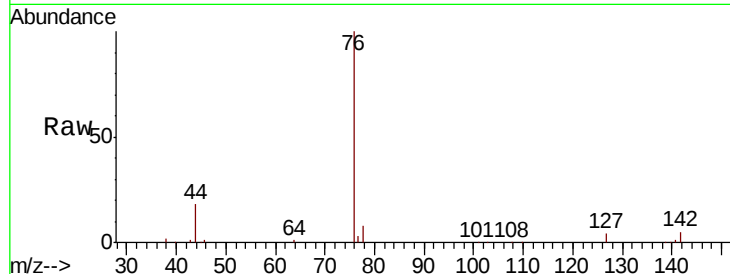




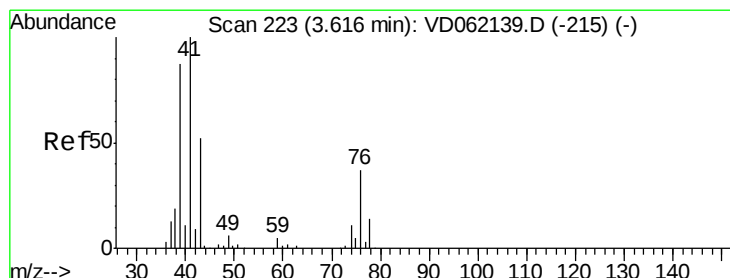
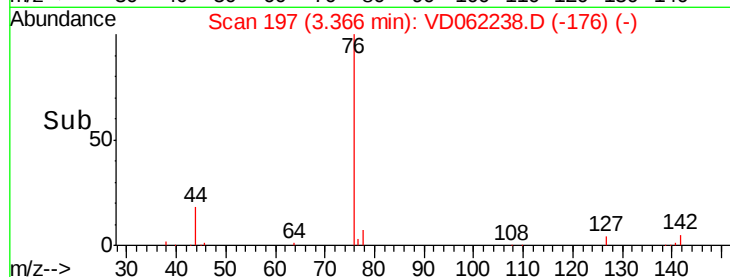
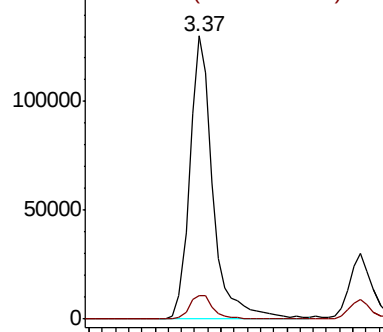
#17
Carbon Disulfide
Concen: 41.399 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 76 Resp: 318970
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

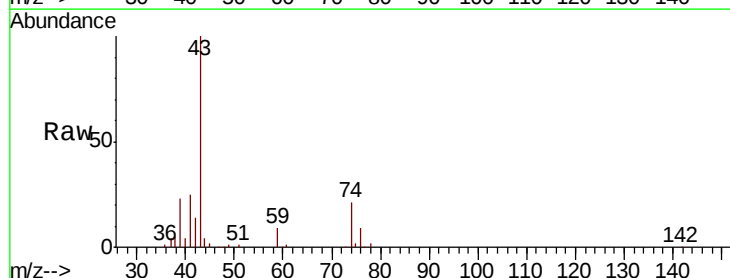


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

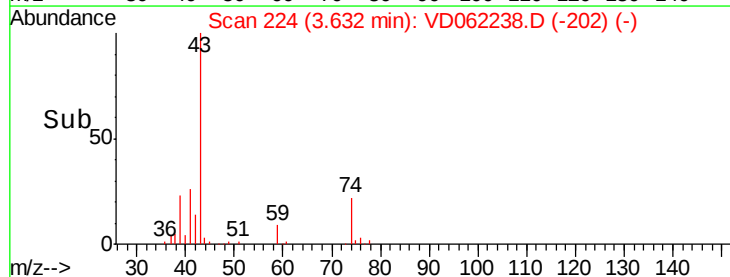
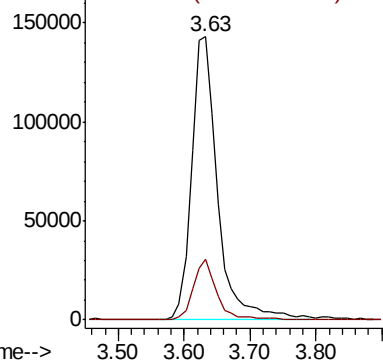


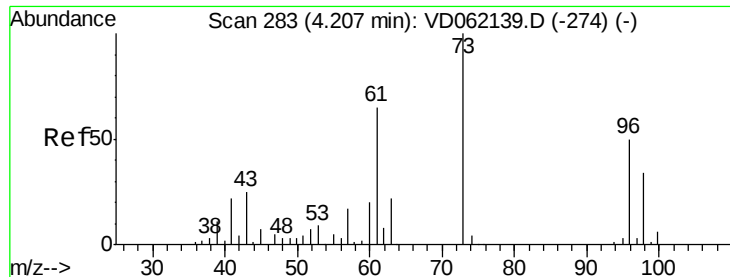
#18
Methyl Acetate
Concen: 324.635 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 43 Resp: 395427
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0



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

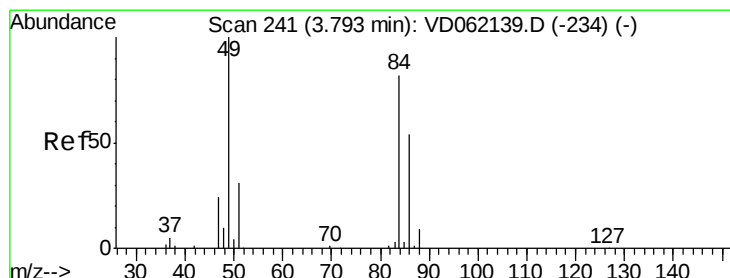
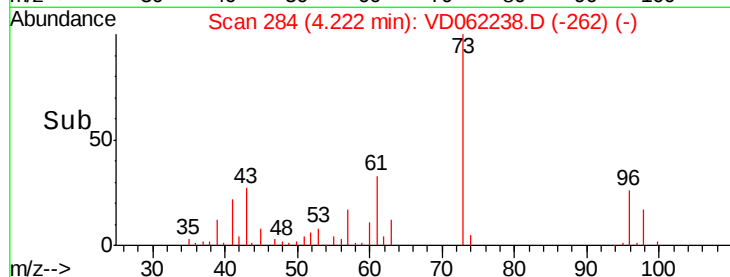
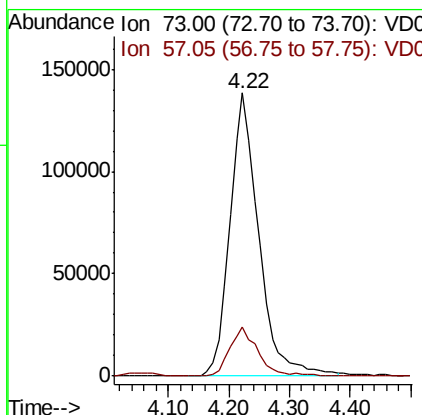
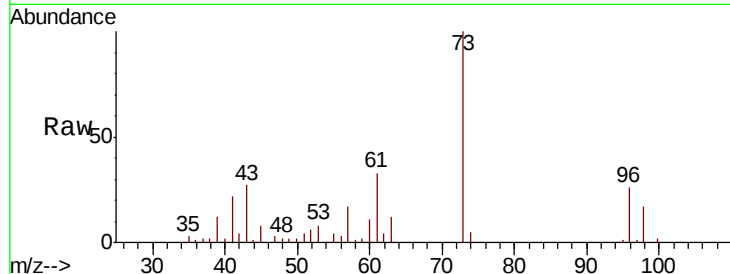




#19
Methvl tert-butvl Ether
Concen: 79.812 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

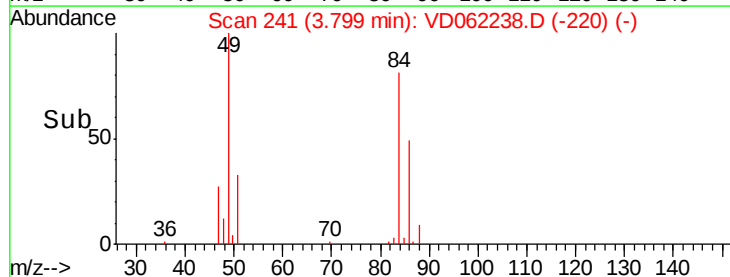
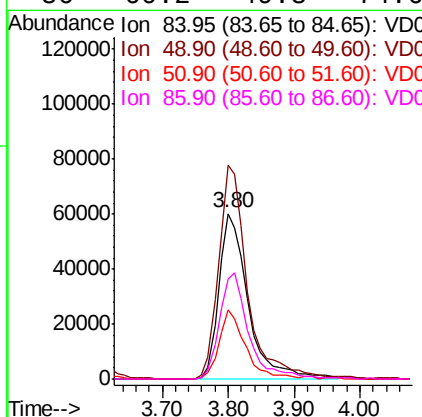
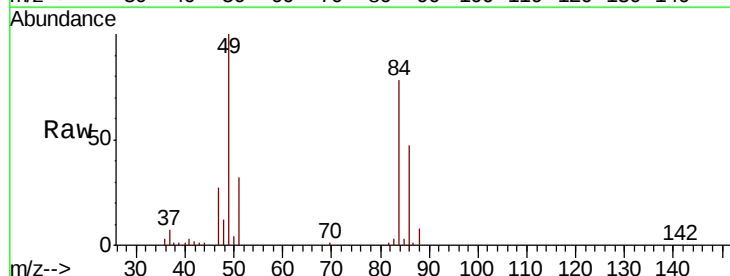
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 73 Resp: 458192
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 65.163 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 84 Resp: 186260
Ion Ratio Lower Upper
84 100
49 128.9 94.0 141.0
51 41.5 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.445 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

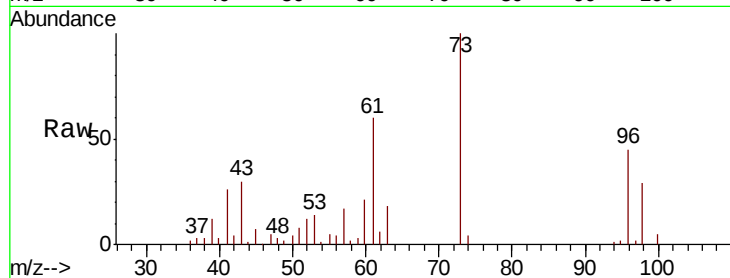
Tot Ion: 96 Resp: 147367

Ion Ratio Lower Upper

96 100

61 133.2 104.4 156.6

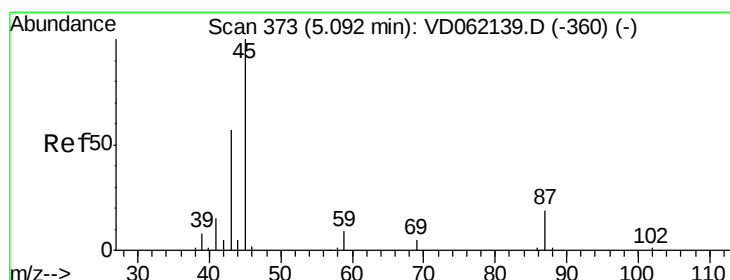
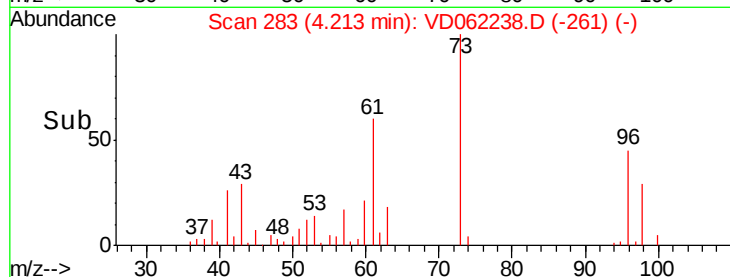
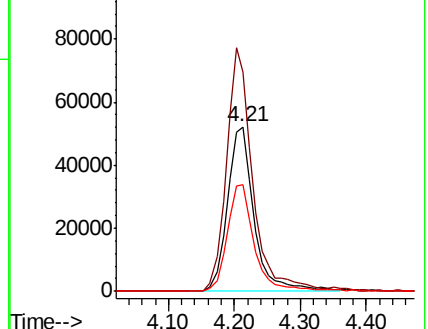
98 64.5 51.8 77.8



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: 71.935 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion: 45 Resp: 596130

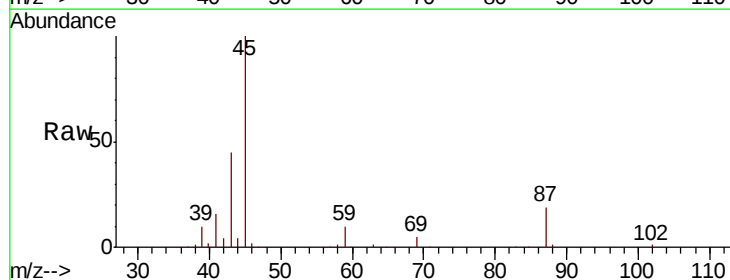
Ion Ratio Lower Upper

45 100

43 44.6 46.2 69.2#

87 19.4 15.9 23.9

59 9.5 7.9 11.9

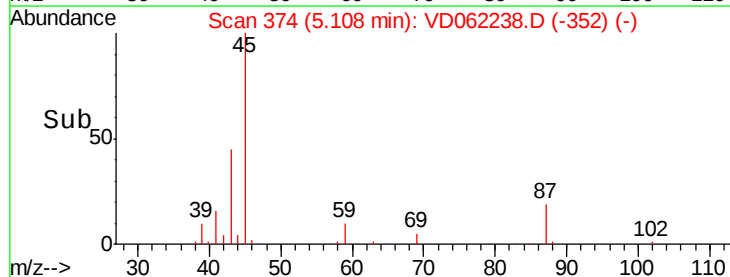
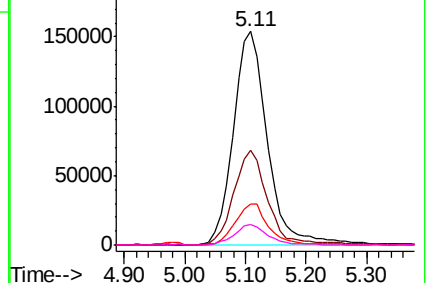


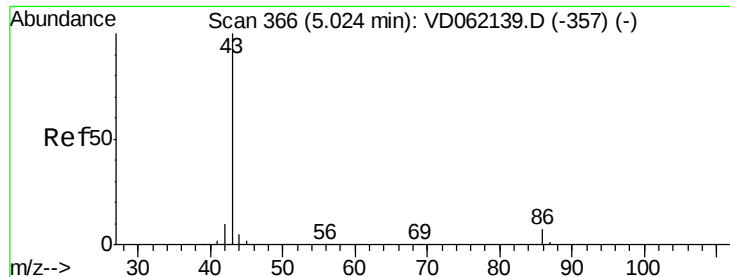
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 58.759 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.08 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

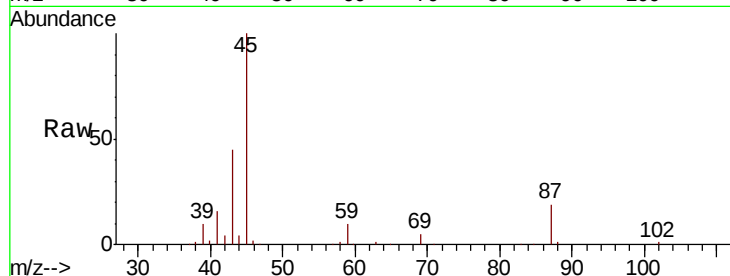
P026-SS006-0002-01MS

Tot Ion: 43 Resp: 256914

Ion Ratio Lower Upper

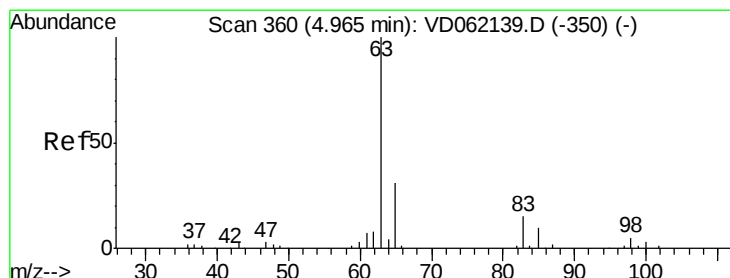
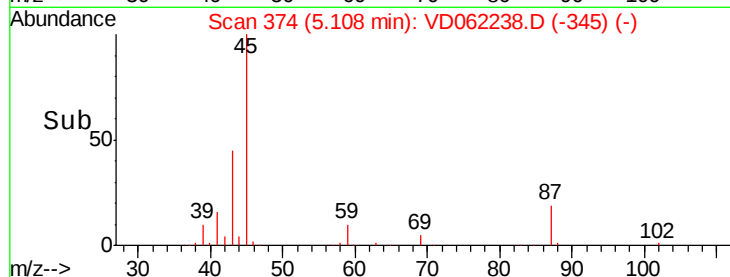
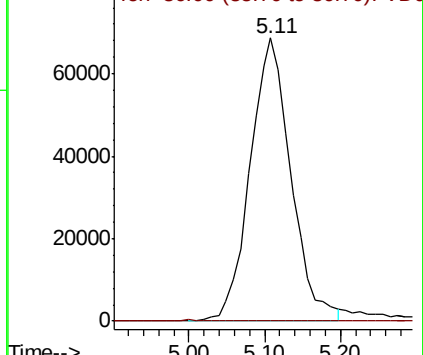
43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 69.808 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

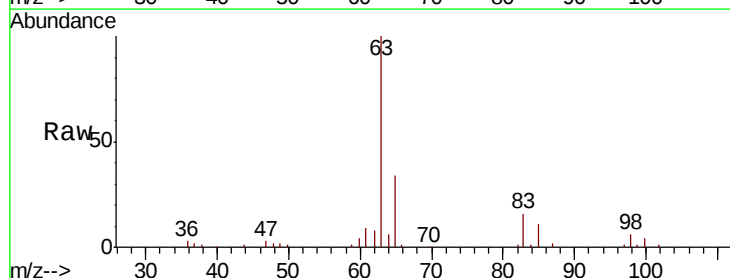
Tgt Ion: 63 Resp: 348987

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

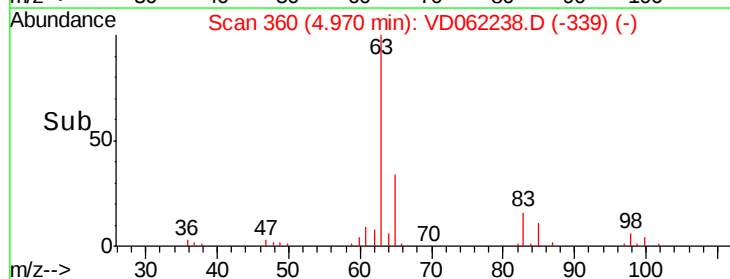
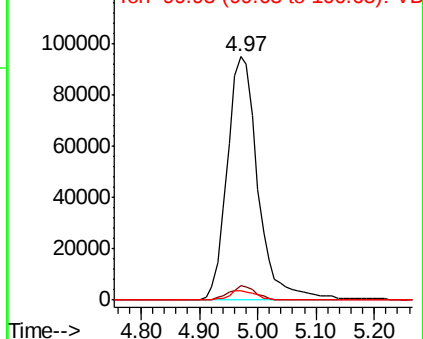
100 3.8 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 344.590 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

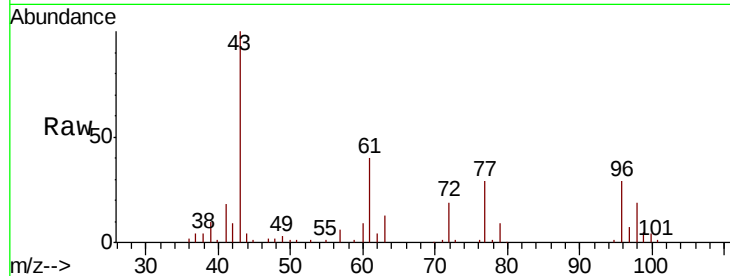
P026-SS006-0002-01MS

Tot Ion: 43 Resp: 257308

Ion Ratio Lower Upper

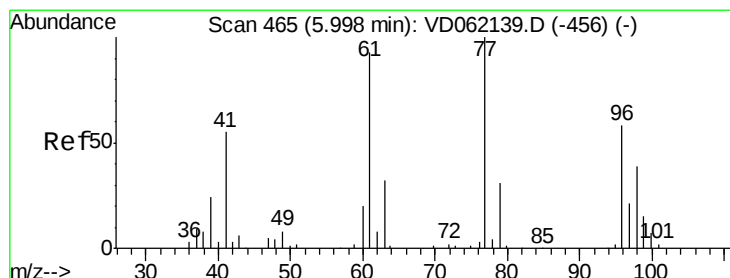
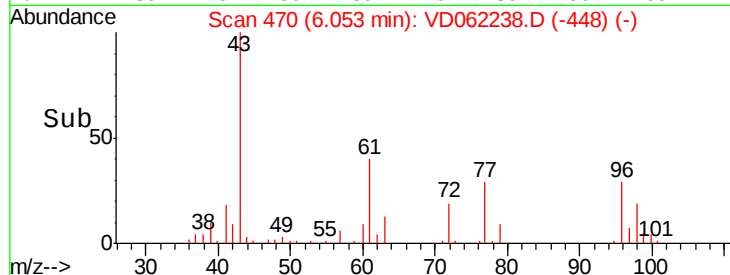
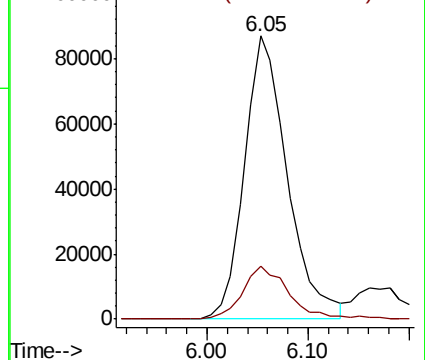
43 100

72 18.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 68.298 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD062238.D

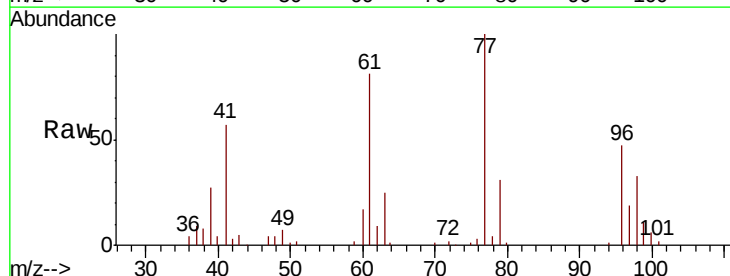
Acq: 11 May 2019 15:36

Tgt Ion: 77 Resp: 340116

Ion Ratio Lower Upper

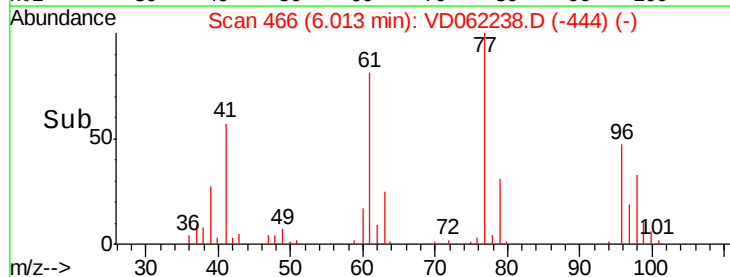
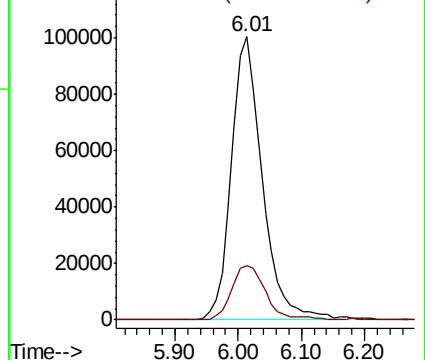
77 100

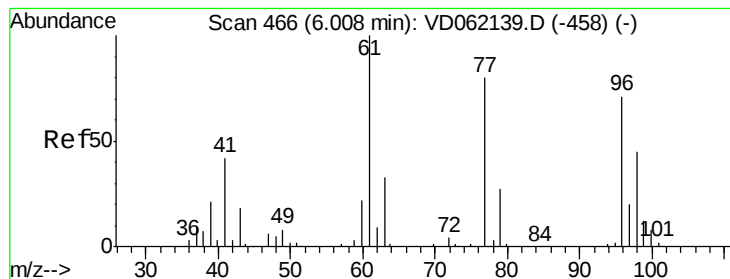
97 19.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



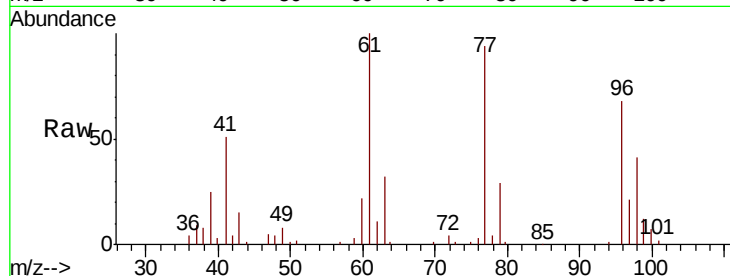


#27

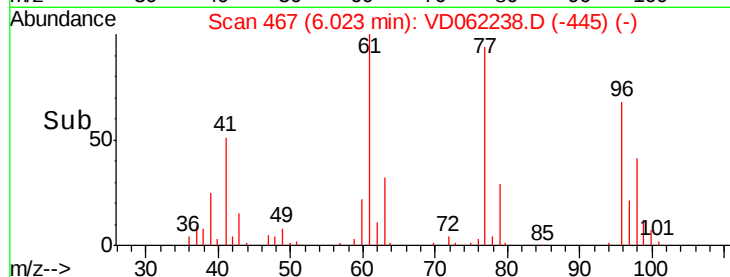
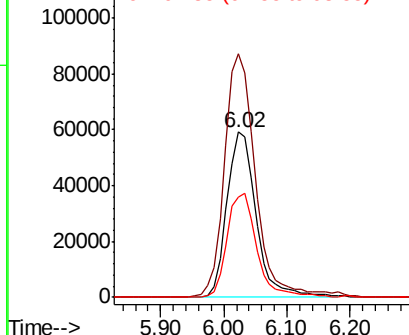
cis-1,2-Dichloroethene
 Concen: 56.782 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion: 96 Resp: 189428
 Ion Ratio Lower Upper
 96 100
 61 147.2 0.0 279.8
 98 60.3 0.0 136.0



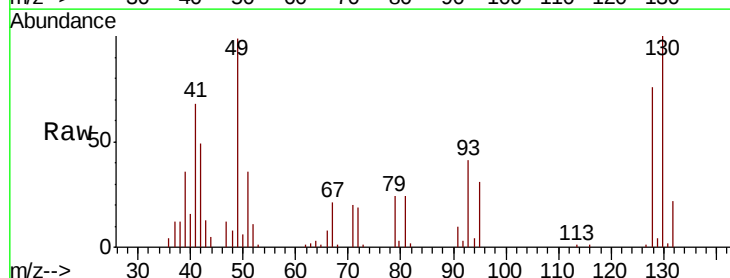
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



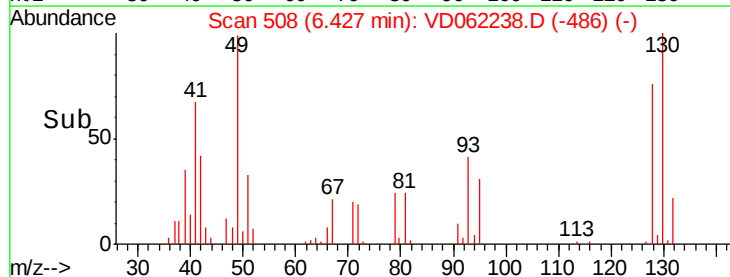
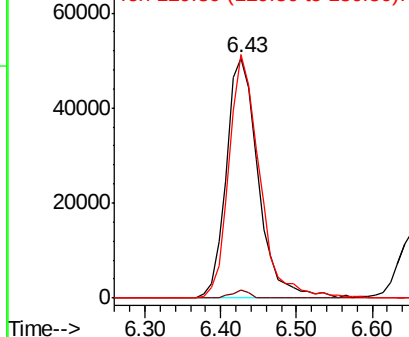
#28

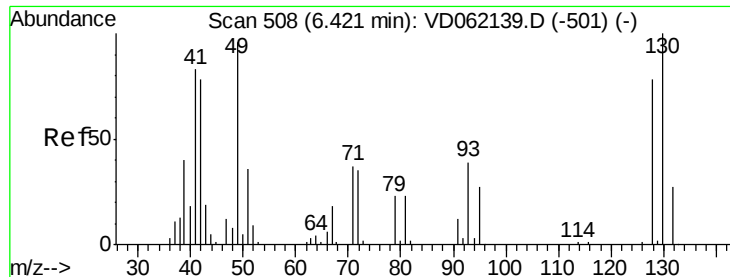
Bromochloromethane
 Concen: 74.797 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 49 Resp: 147117
 Ion Ratio Lower Upper
 49 100
 129 3.6 0.0 6.6
 130 101.3 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

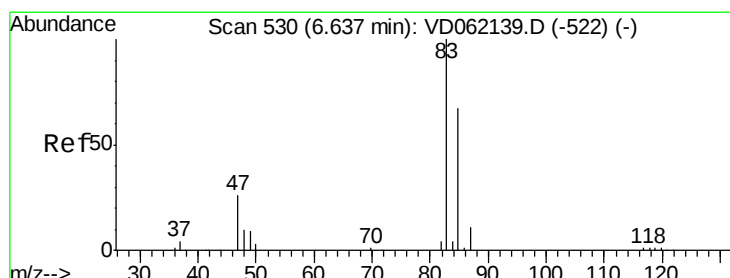
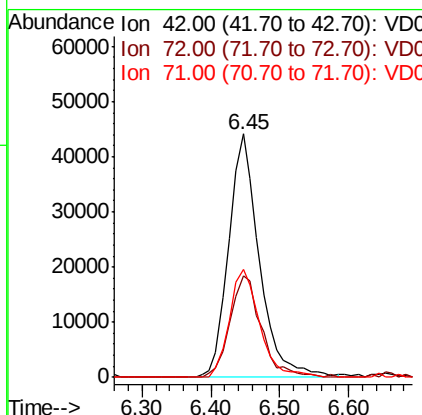
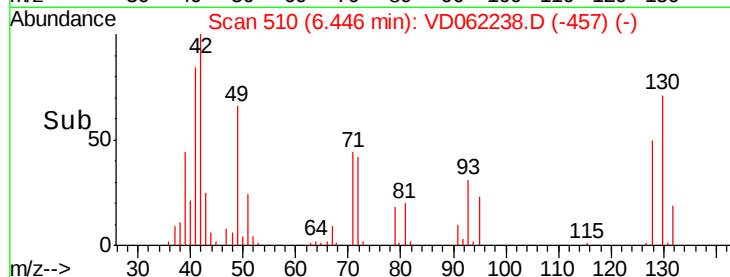
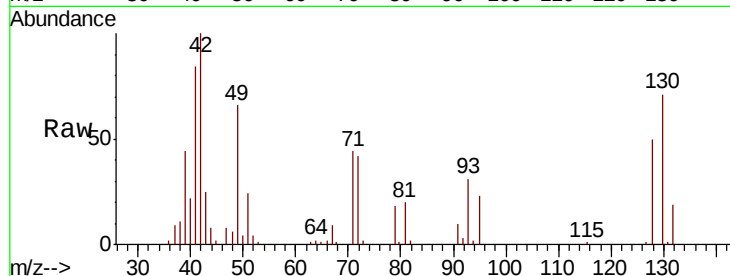




#29
Tetrahydrofuran
Concen: 395.376 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

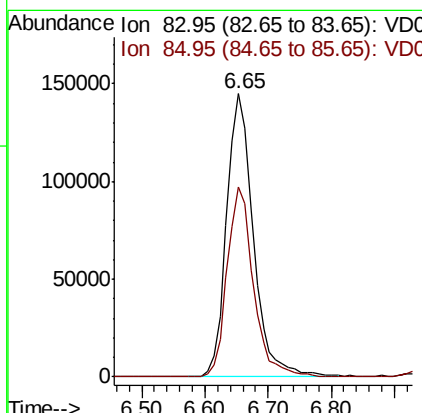
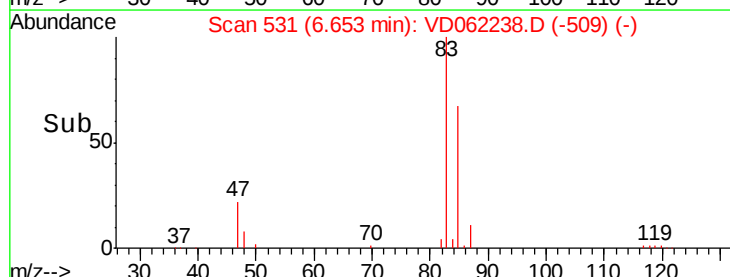
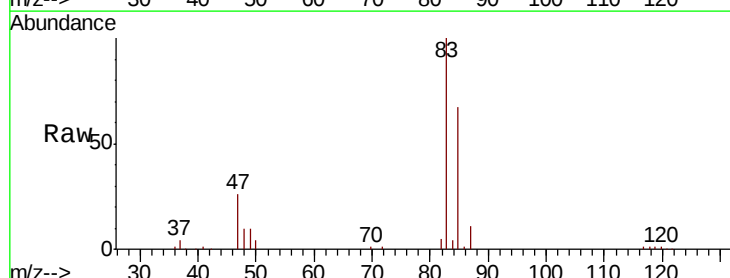
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

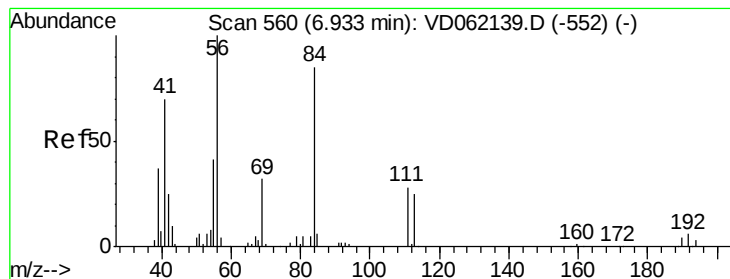
Tot Ion: 42 Resp: 136030
Ion Ratio Lower Upper
42 100
72 42.7 37.8 56.6
71 43.6 36.7 55.1



#30
Chloroform
Concen: 70.509 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 83 Resp: 424816
Ion Ratio Lower Upper
83 100
85 67.1 51.7 77.5





#31

Cyclohexane

Concen: 52.676 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

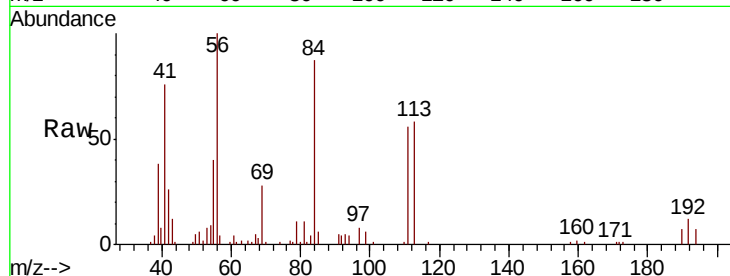
Tot Ion: 56 Resp: 180416

Ion Ratio Lower Upper

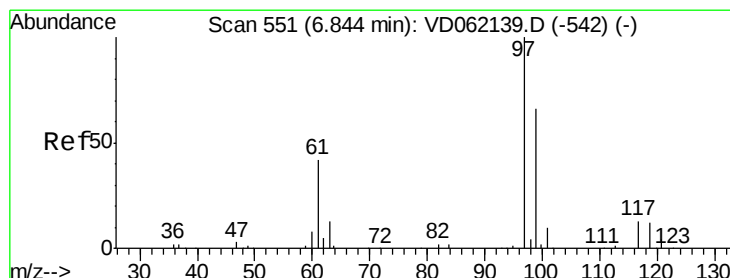
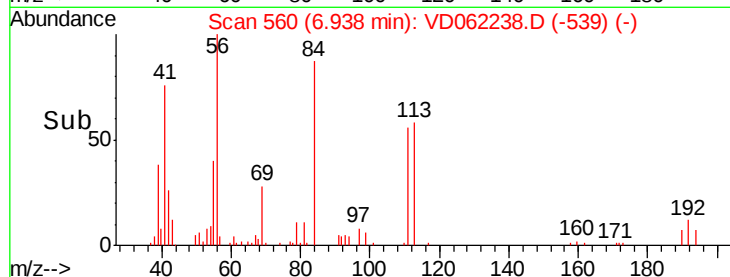
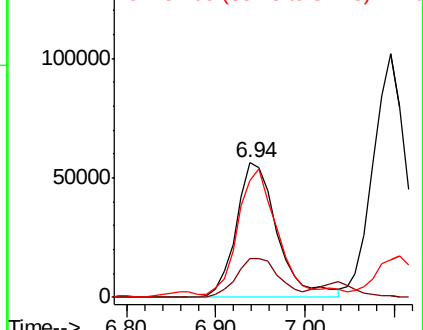
56 100

69 28.4 25.8 38.6

84 86.8 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: 71.648 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

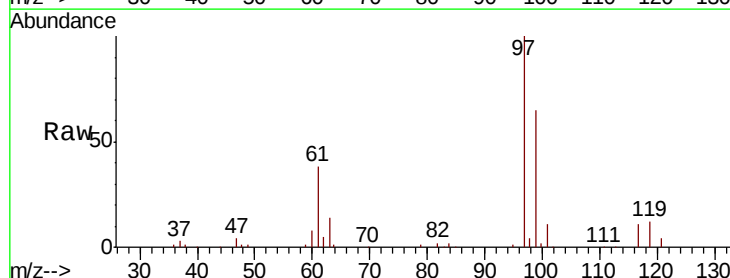
Tgt Ion: 97 Resp: 408016

Ion Ratio Lower Upper

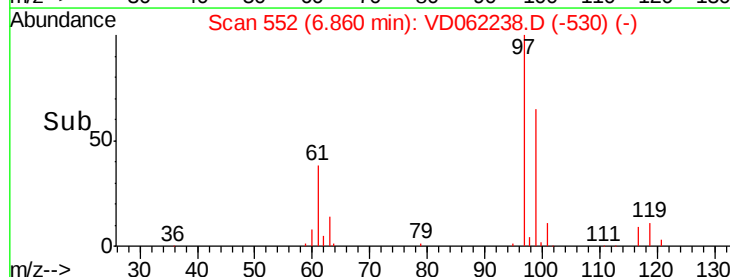
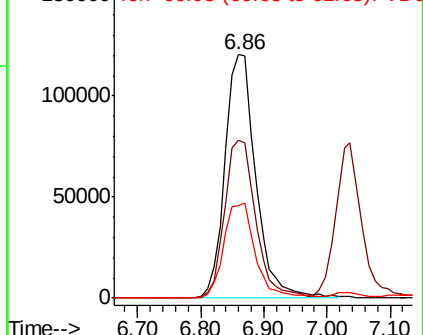
97 100

99 64.9 52.2 78.2

61 38.1 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: 57.189 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

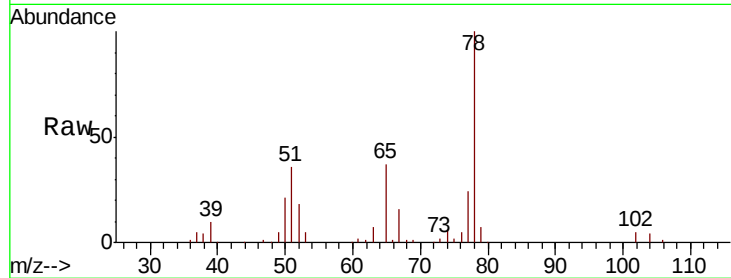
P026-SS006-0002-01MS

Tot Ion: 65 Resp: 186688

Ion Ratio Lower Upper

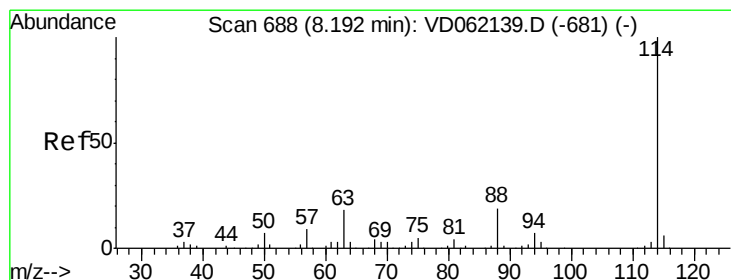
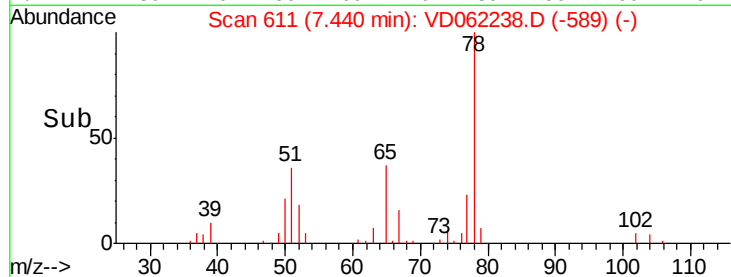
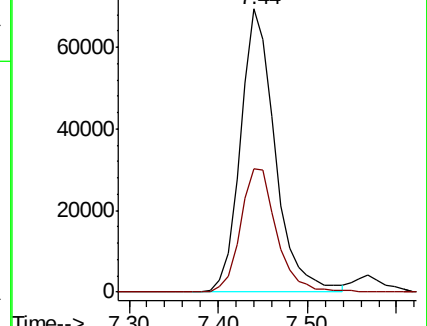
65 100

67 43.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

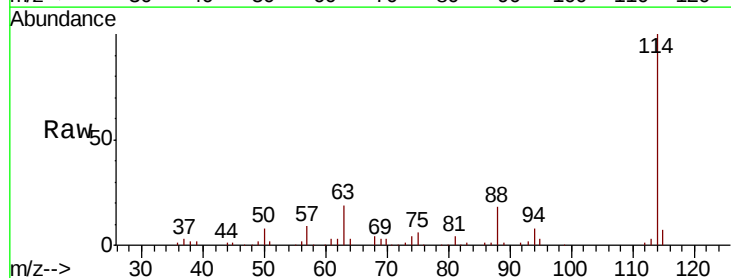
Tgt Ion: 114 Resp: 486846

Ion Ratio Lower Upper

114 100

63 18.9 0.0 32.4

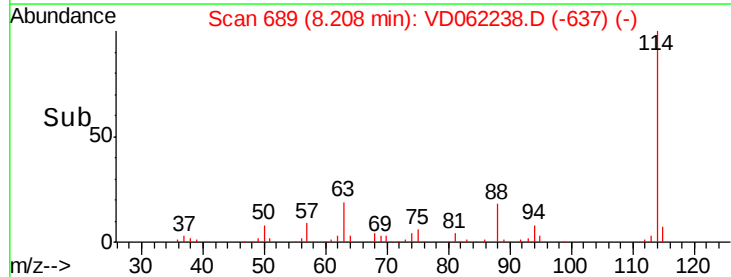
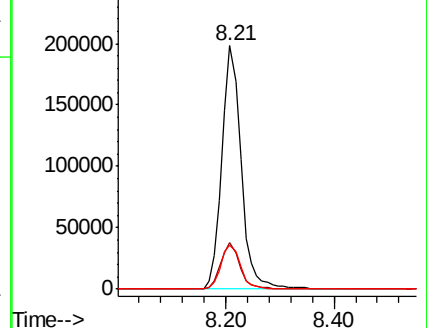
88 18.0 0.0 33.6

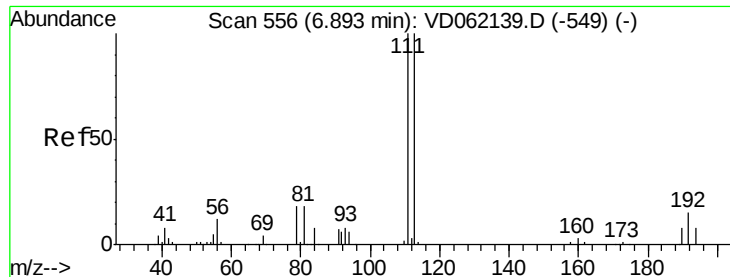


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

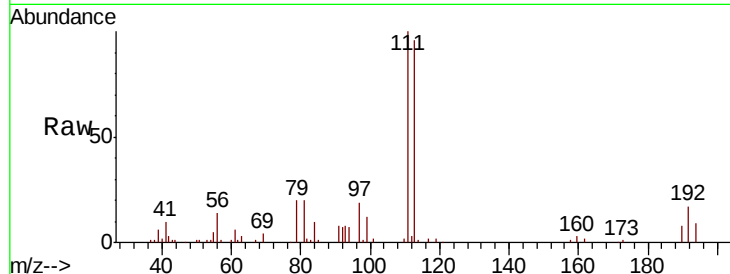




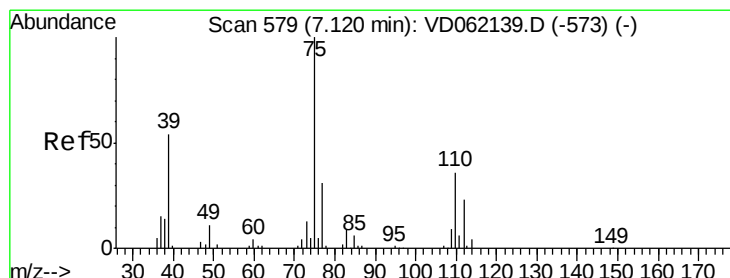
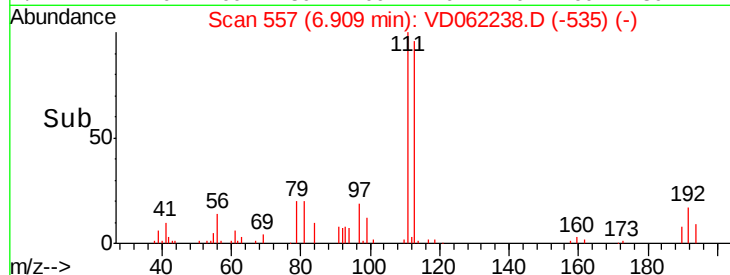
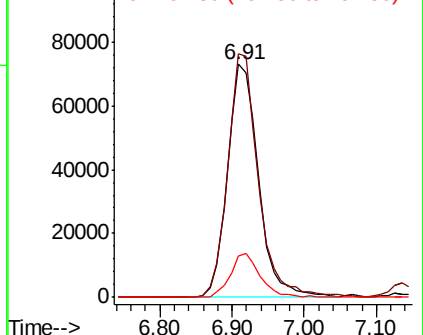
#35
 Dibromofluoromethane
 Concen: 53.977 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	78.5	117.7
192	17.7	13.0	19.4

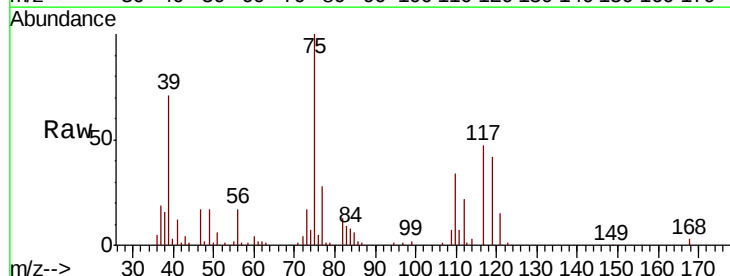


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

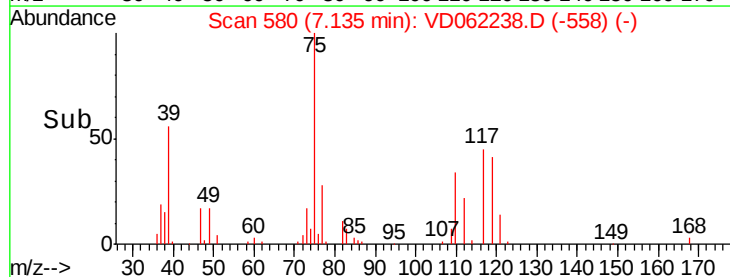
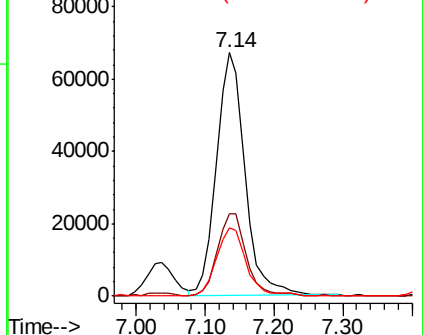


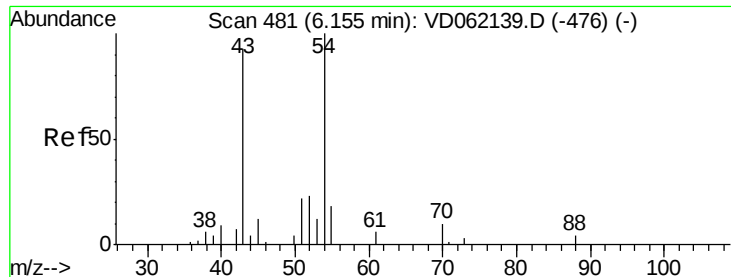
#36
 1,1-Dichloropropene
 Concen: 48.345 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	19.1	57.1
77	28.3	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

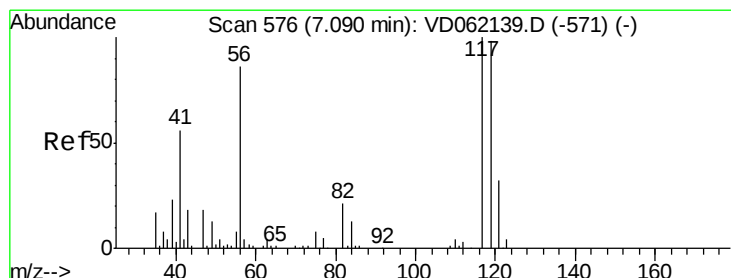
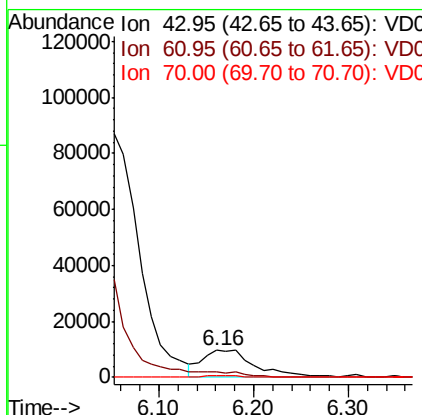
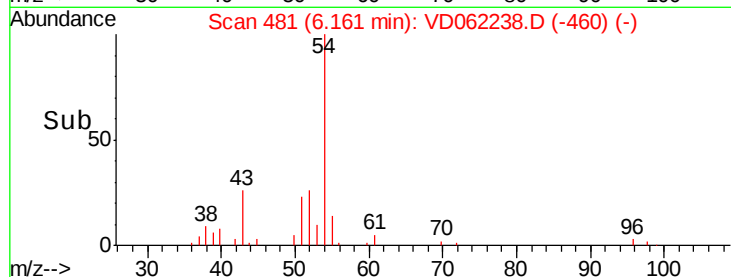
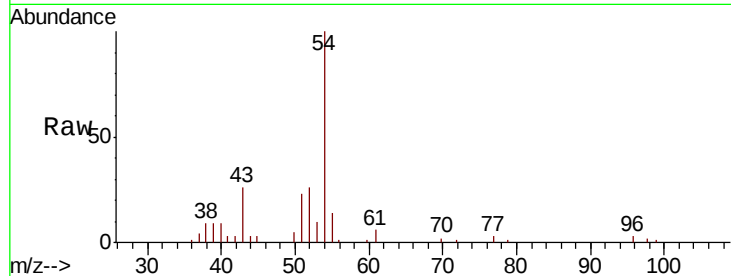




#37
Ethyl Acetate
Concen: 20.860 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

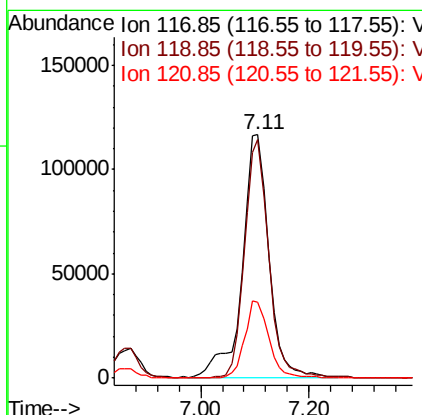
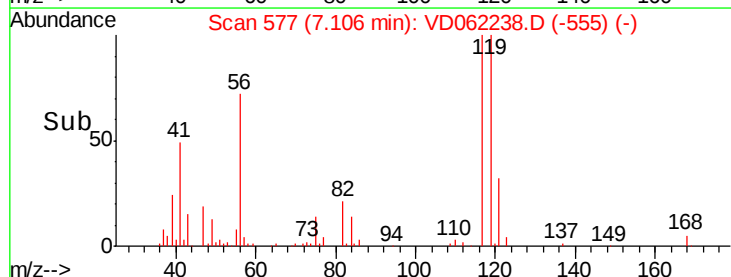
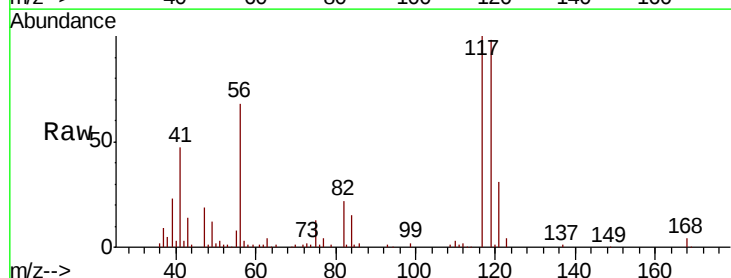
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

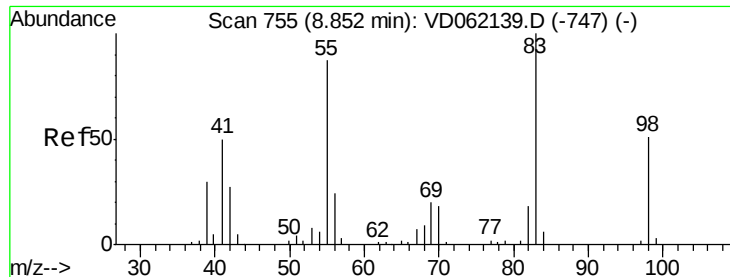
Tot Ion: 43 Resp: 35312
Ion Ratio Lower Upper
43 100
61 21.8 14.7 22.1
70 7.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 72.957 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 117 Resp: 403077
Ion Ratio Lower Upper
117 100
119 98.1 75.8 113.8
121 31.2 25.9 38.9





#39

Methvlcvclohexane

Concen: 31.261 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

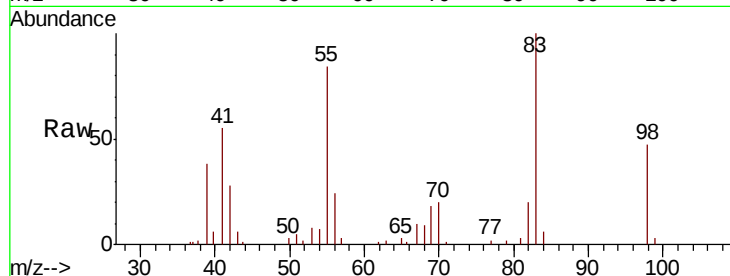
Tot Ion: 83 Resp: 119559

Ion Ratio Lower Upper

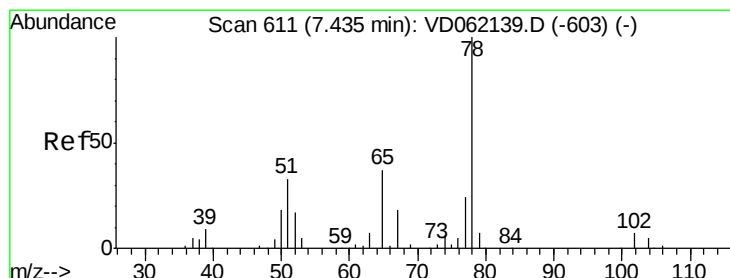
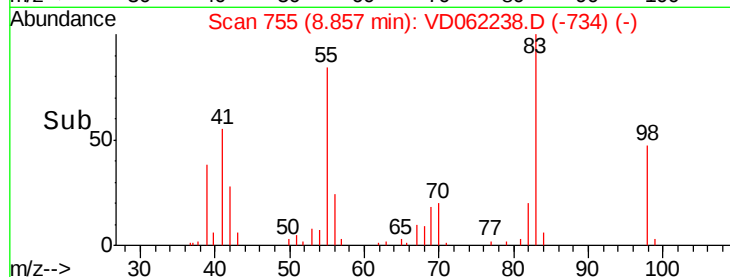
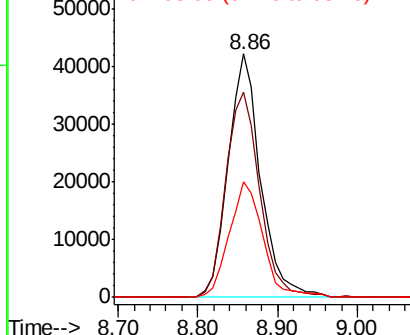
83 100

55 84.2 68.2 102.4

98 47.2 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: 60.680 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062238.D

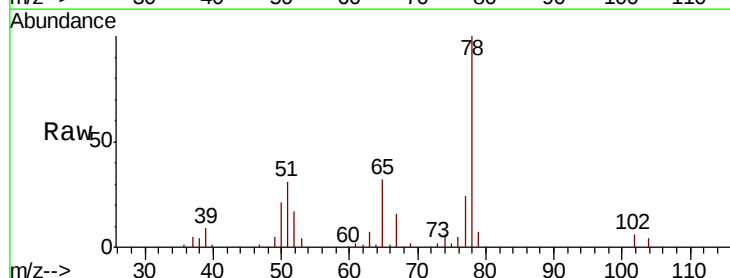
Acq: 11 May 2019 15:36

Tgt Ion: 78 Resp: 546945

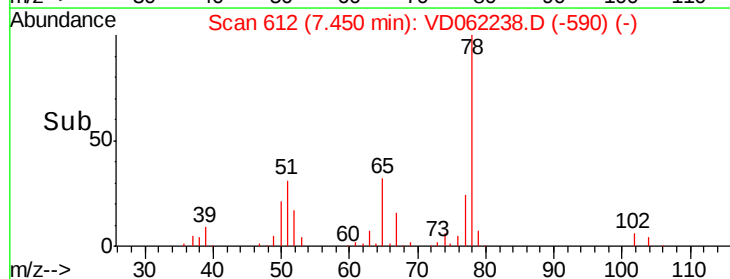
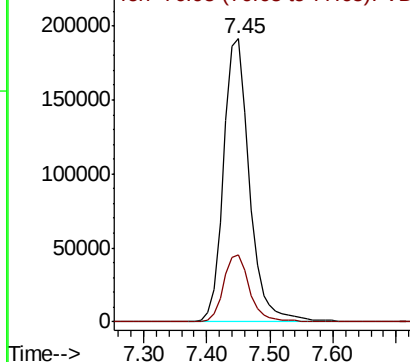
Ion Ratio Lower Upper

78 100

77 23.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

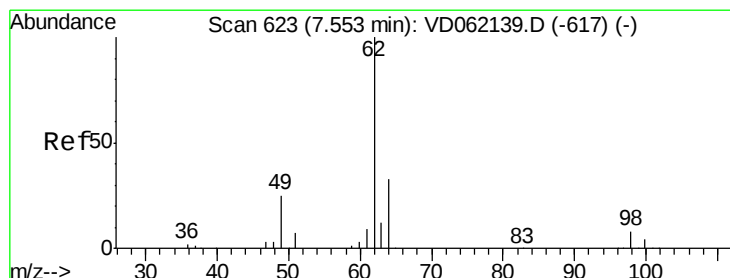
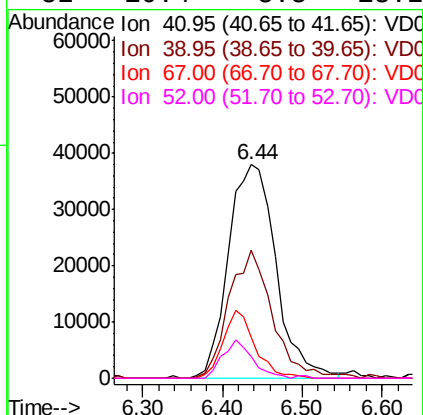
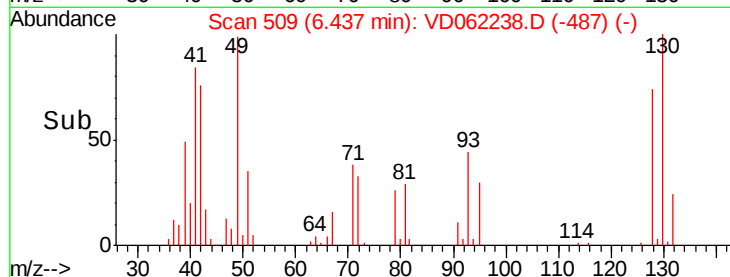
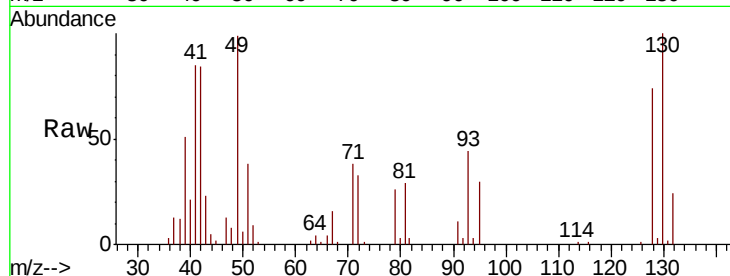




#41
Methacrylonitrile
Concen: 75.935 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

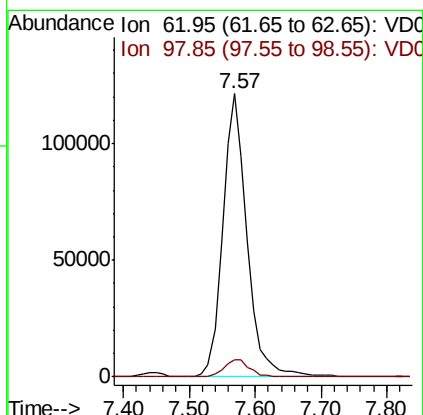
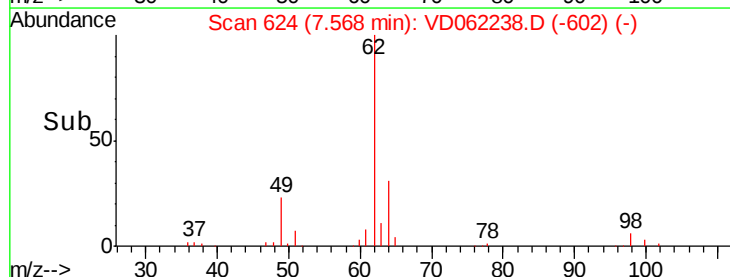
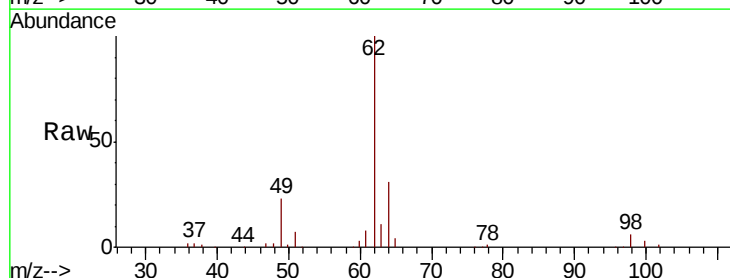
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

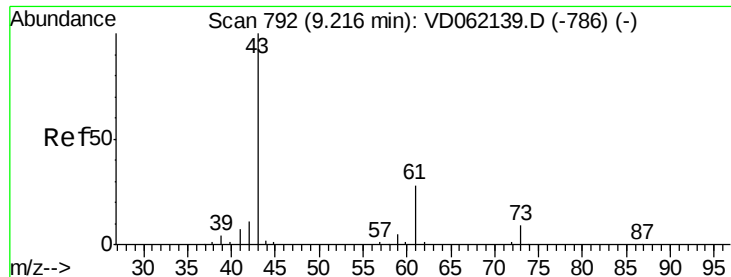
Tot Ion: 41 Resp: 157087
Ion Ratio Lower Upper
41 100
39 59.8 34.1 51.1#
67 19.0 23.8 35.6#
52 10.4 8.8 13.2



#42
1,2-Dichloroethane
Concen: 81.238 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 62 Resp: 310243
Ion Ratio Lower Upper
62 100
98 6.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 11.295 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

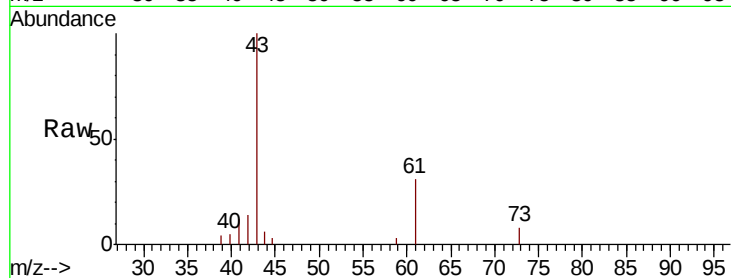
Tot Ion: 43 Resp: 27118

Ion Ratio Lower Upper

43 100

61 31.2 25.1 37.7

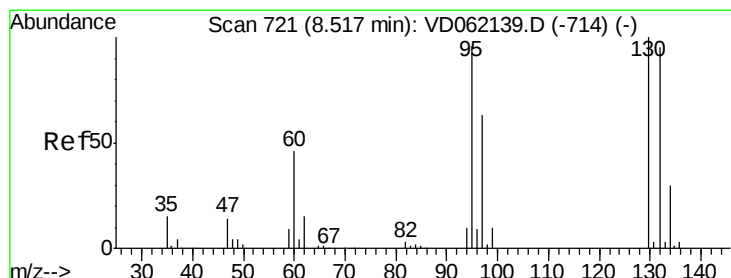
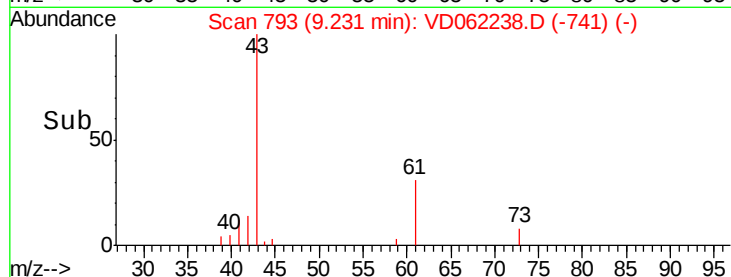
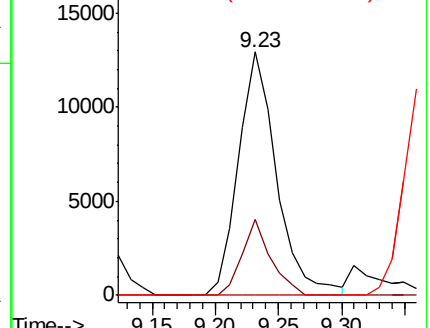
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.950 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.02 min

Lab File: VD062238.D

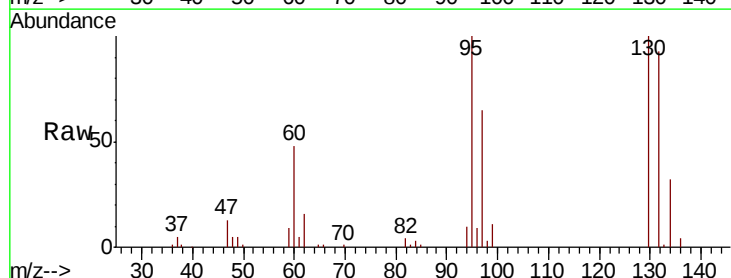
Acq: 11 May 2019 15:36

Tgt Ion:130 Resp: 161260

Ion Ratio Lower Upper

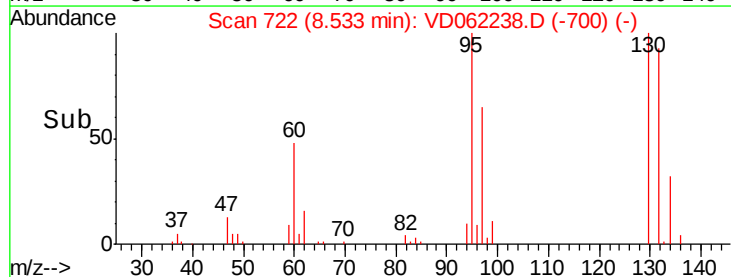
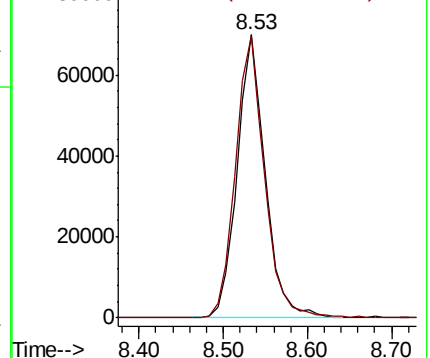
130 100

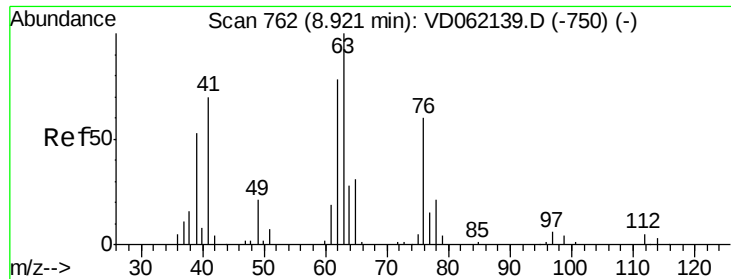
95 99.7 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

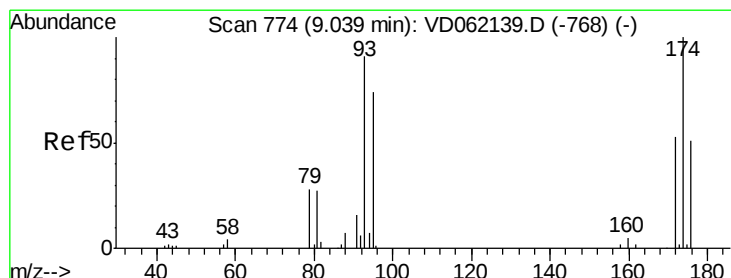
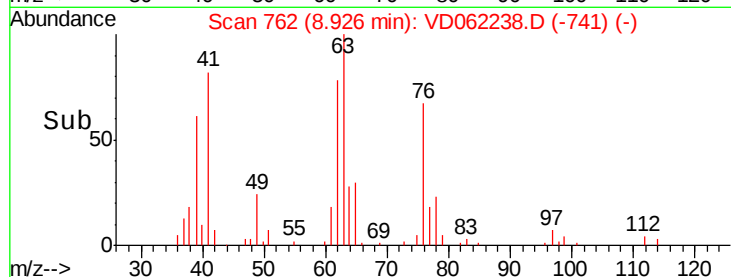
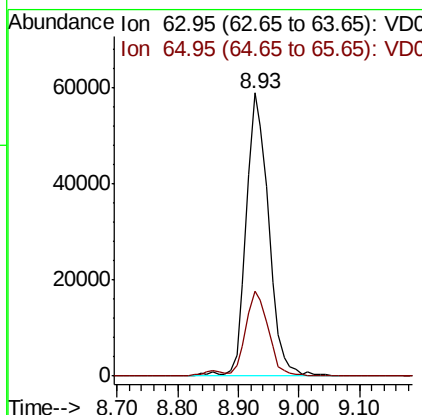
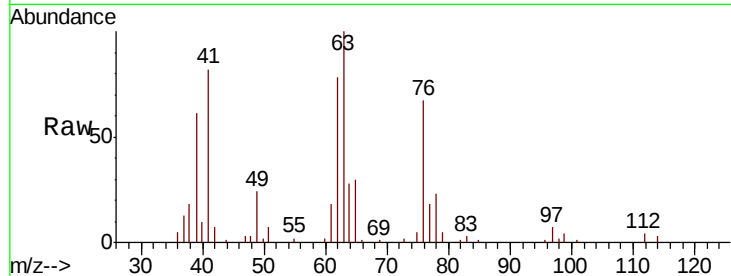




#45
 1,2-Dichloropropane
 Concen: 68.333 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

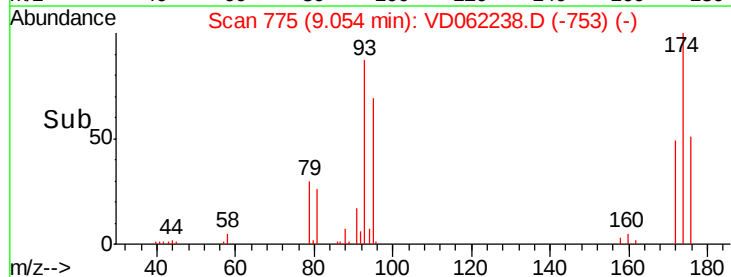
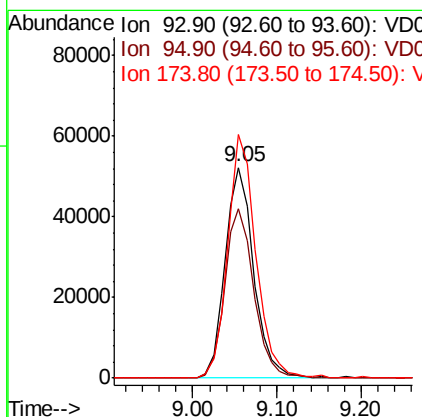
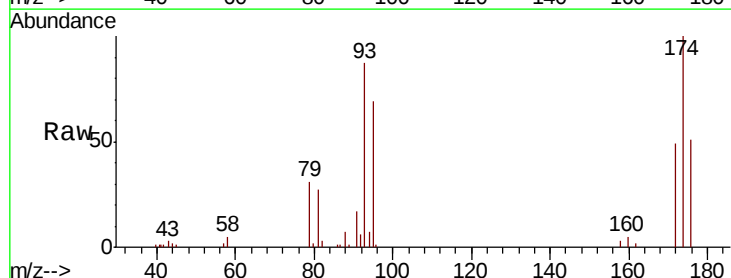
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion: 63 Resp: 152351
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.6



#46
 Dibromomethane
 Concen: 67.996 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 93 Resp: 123279
 Ion Ratio Lower Upper
 93 100
 95 80.1 64.8 97.2
 174 115.5 79.3 118.9





#47

Bromodichloromethane

Concen: 73.054 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

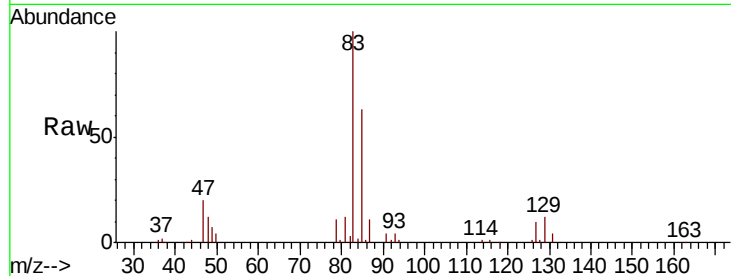
Tot Ion: 83 Resp: 323976

Ion Ratio Lower Upper

83 100

85 62.8 50.9 76.3

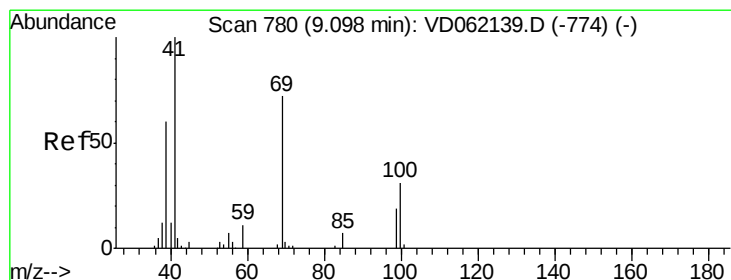
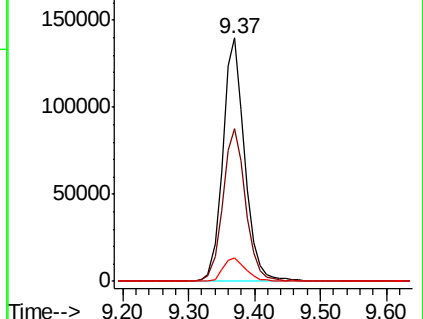
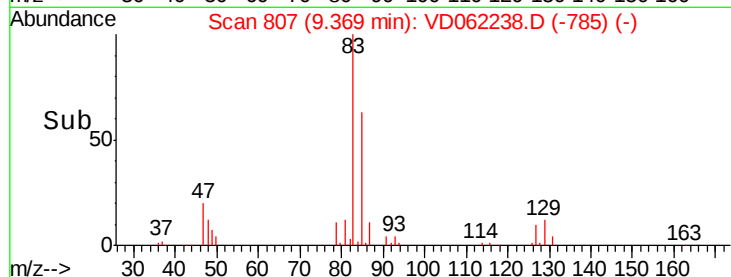
127 9.6 8.1 12.1



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: 110.396 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

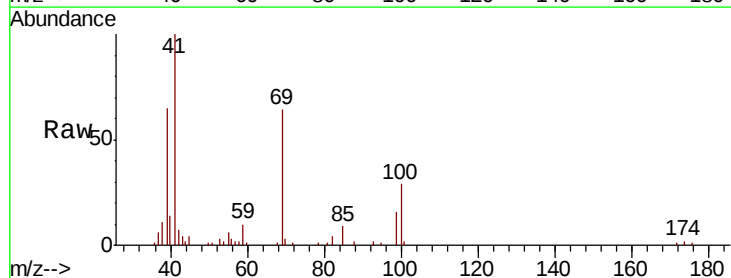
Tgt Ion: 41 Resp: 163252

Ion Ratio Lower Upper

41 100

69 64.0 64.2 96.2#

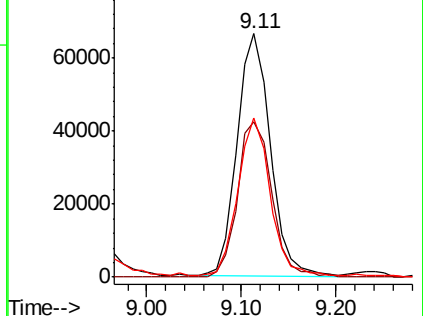
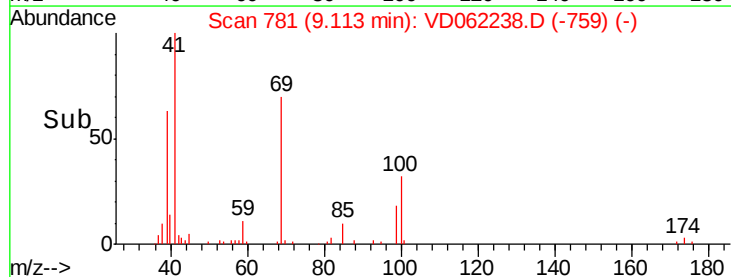
39 65.2 46.8 70.2

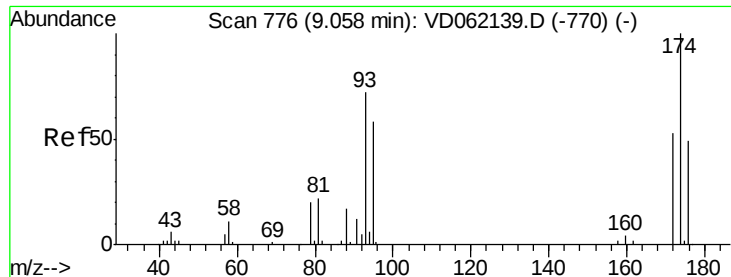


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

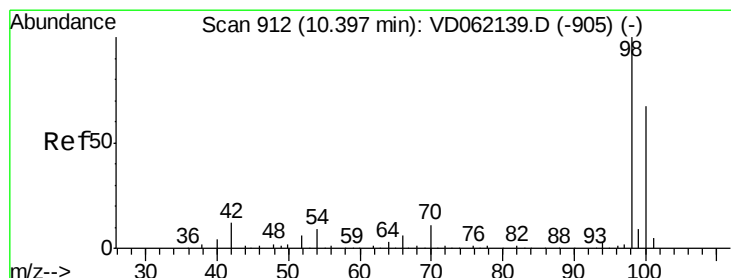
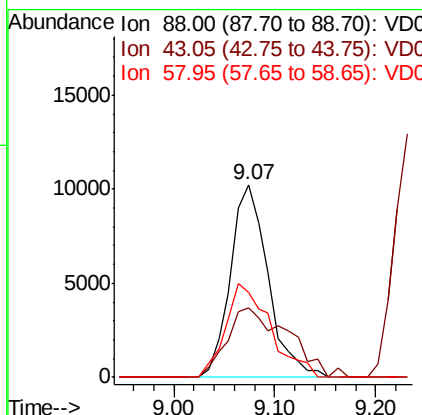
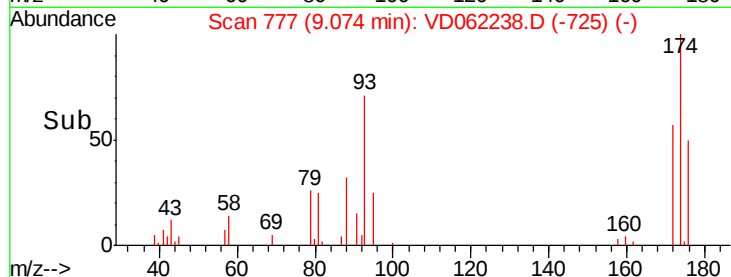
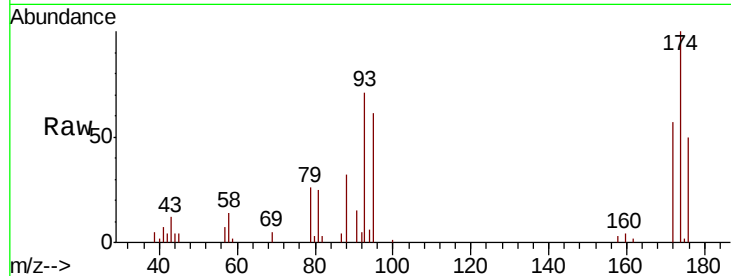




#49
1,4-Dioxane
Concen: 1661.755 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

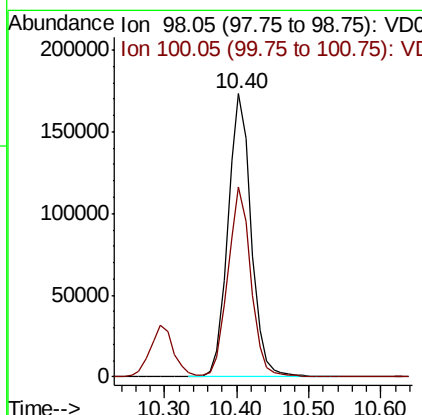
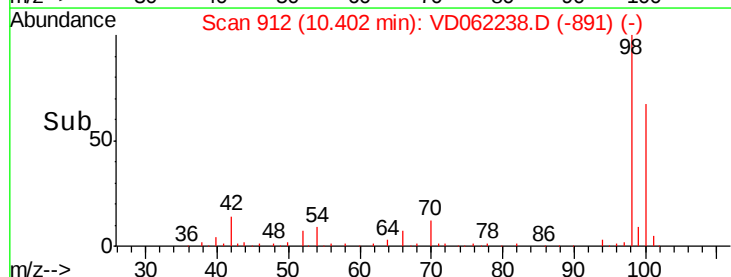
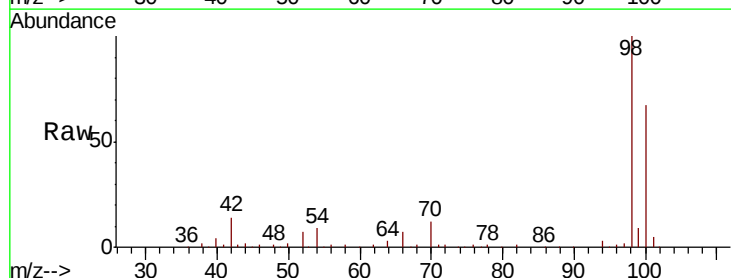
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 88 Resp: 26514
Ion Ratio Lower Upper
88 100
43 36.3 23.4 35.0#
58 44.3 44.0 66.0



#50
Toluene-d8
Concen: 39.678 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 98 Resp: 386438
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 380.120 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

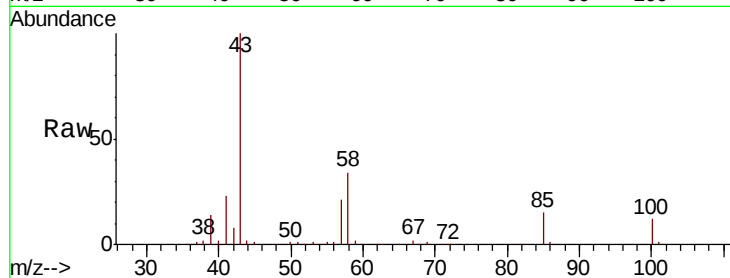
P026-SS006-0002-01MS

Tot Ion: 43 Resp: 586619

Ion Ratio Lower Upper

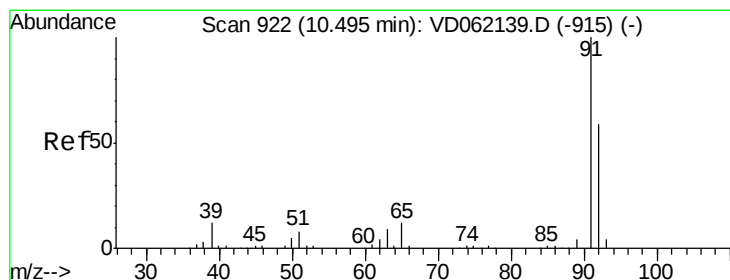
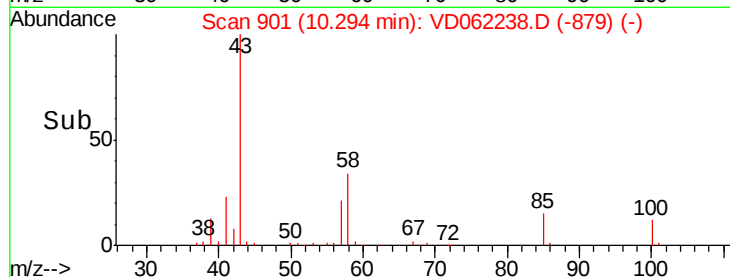
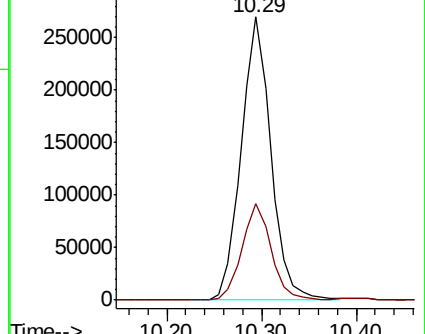
43 100

58 34.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.743 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD062238.D

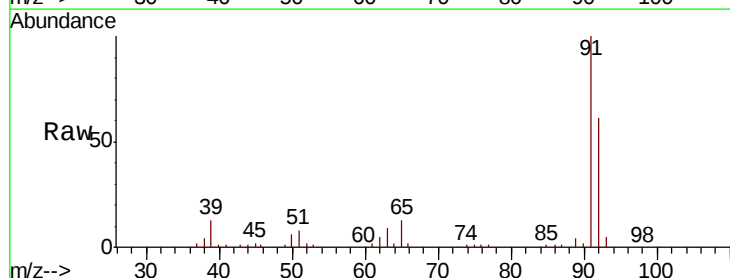
Acq: 11 May 2019 15:36

Tgt Ion: 92 Resp: 303455

Ion Ratio Lower Upper

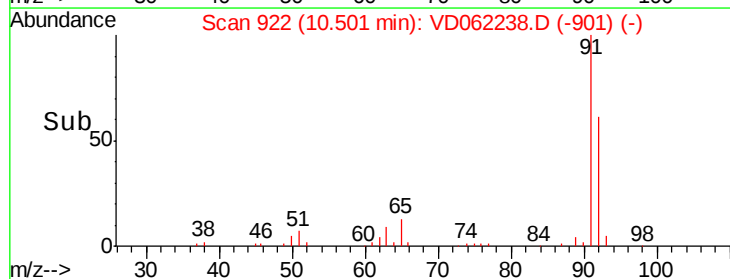
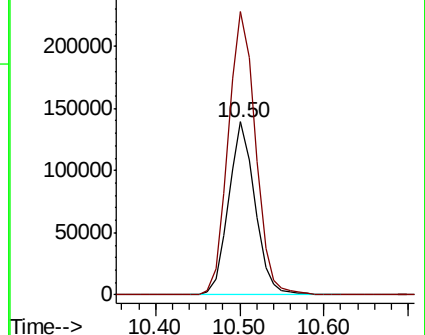
92 100

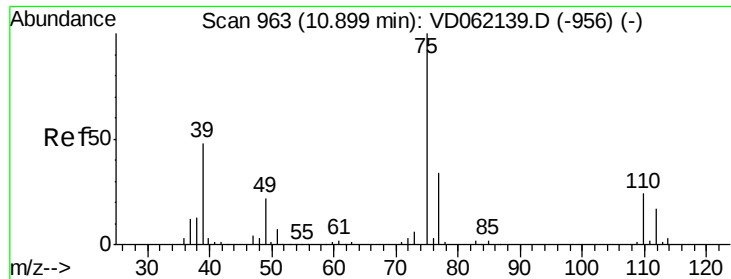
91 163.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

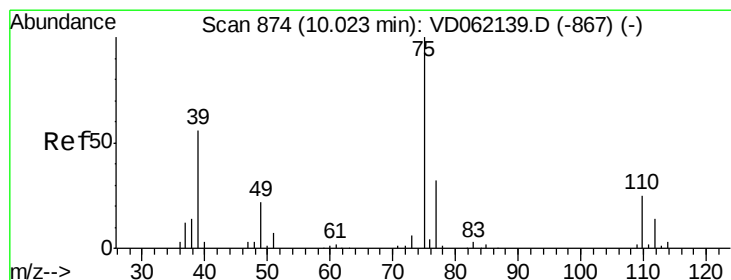
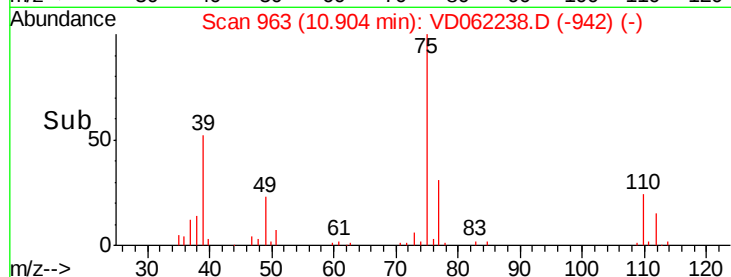
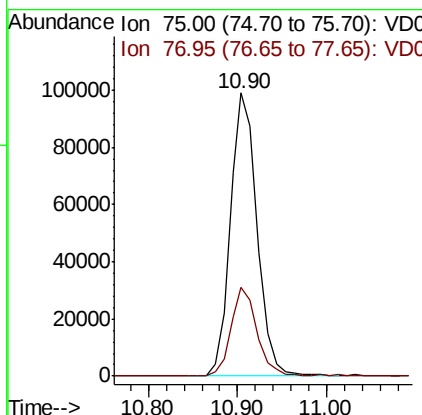
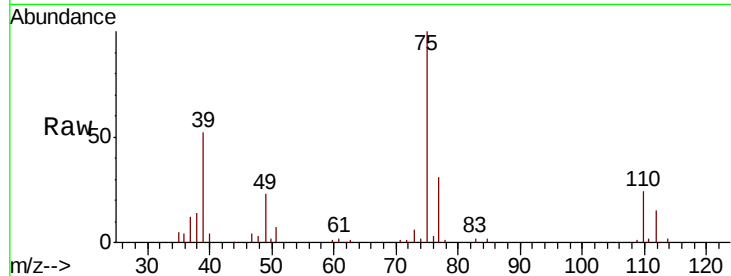




#53
t-1,3-Dichloropropene
Concen: 54.043 ug/l
RT: 10.90 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

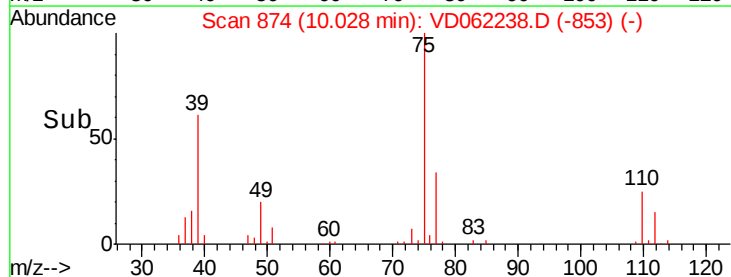
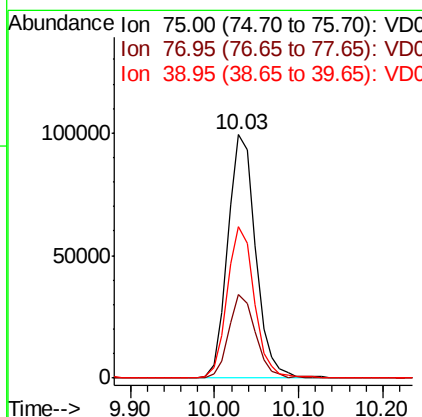
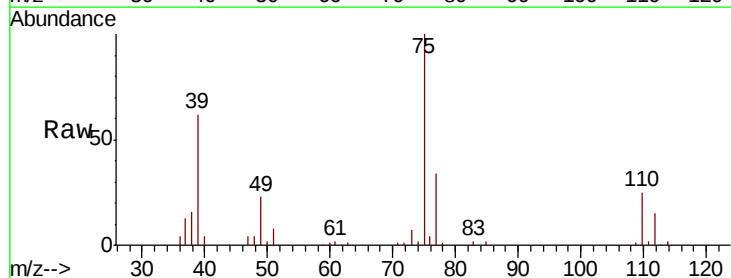
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 75 Resp: 207139
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 54.678 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 75 Resp: 228627
Ion Ratio Lower Upper
75 100
77 34.4 25.5 38.3
39 62.0 39.4 59.2#

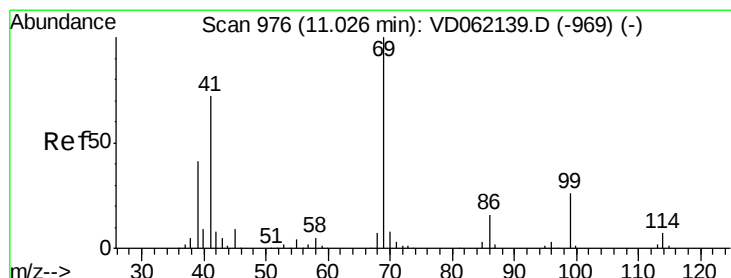
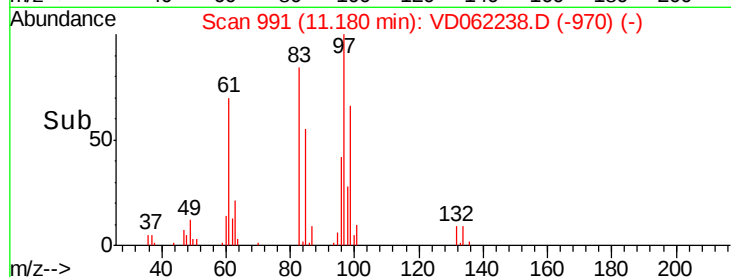
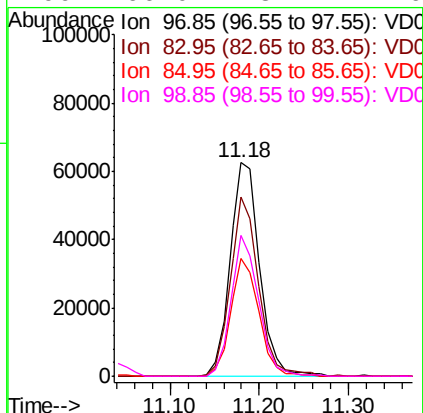
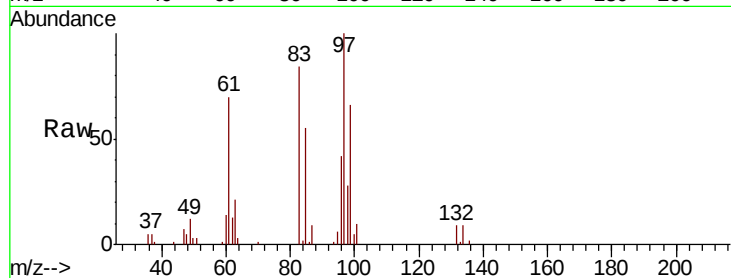




#55
 1,1,2-Trichloroethane
 Concen: 69.780 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

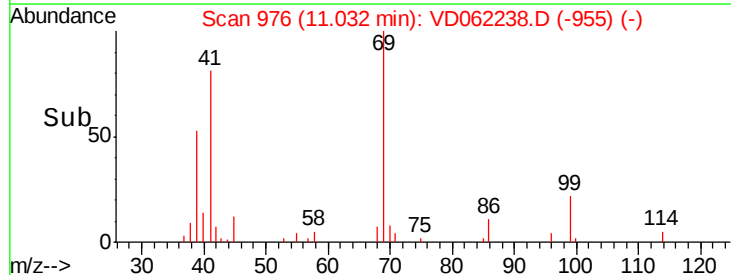
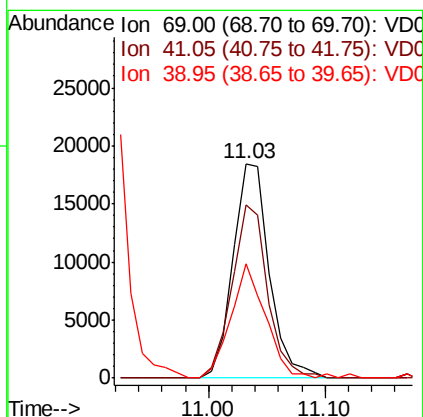
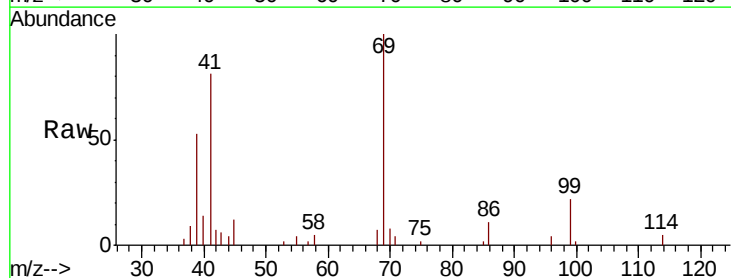
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

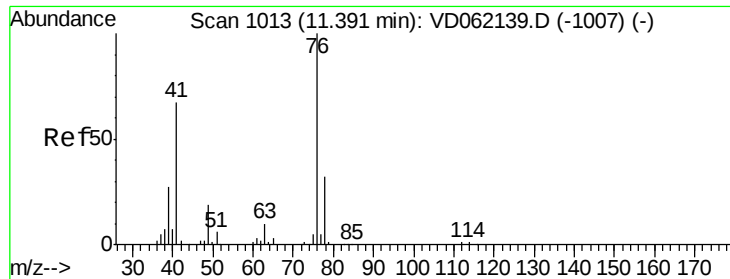
Tot Ion:	97	Resp:	144797
Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.7	98.5
85	55.3	45.6	68.4
99	66.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 18.492 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion:	69	Resp:	39873
Ion	Ratio	Lower	Upper
69	100		
41	80.5	56.3	84.5
39	53.1	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 69.106 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

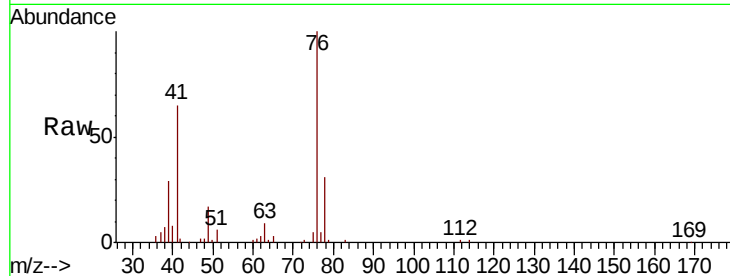
P026-SS006-0002-01MS

Tot Ion: 76 Resp: 216640

Ion Ratio Lower Upper

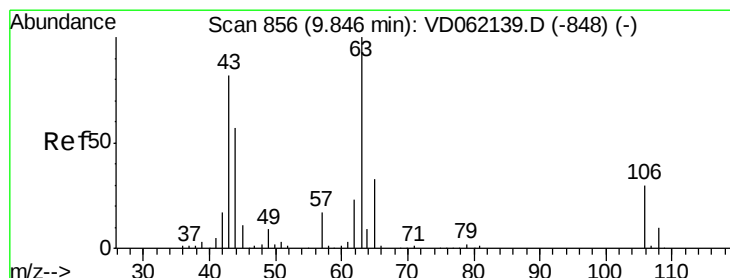
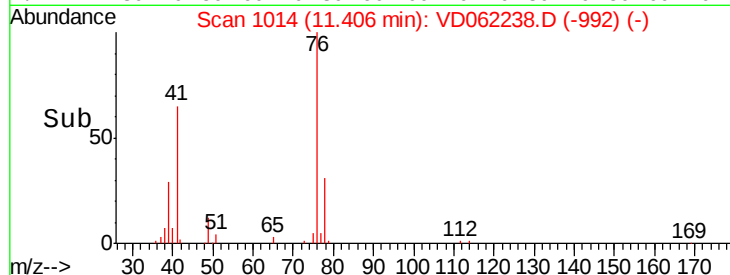
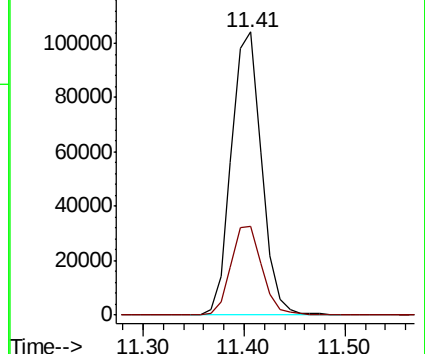
76 100

78 31.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 351.464 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD062238.D

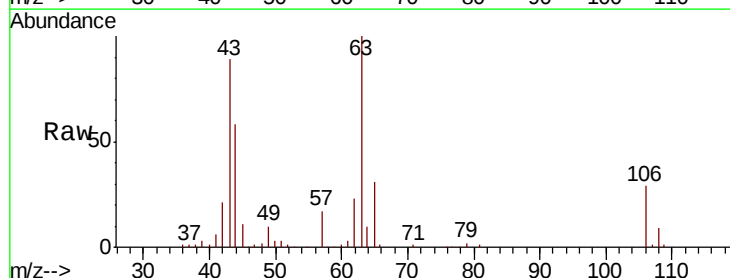
Acq: 11 May 2019 15:36

Tgt Ion: 63 Resp: 413969

Ion Ratio Lower Upper

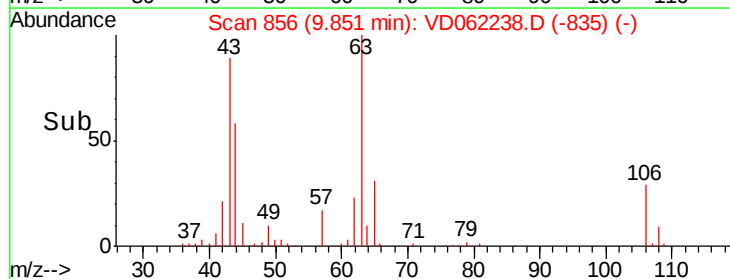
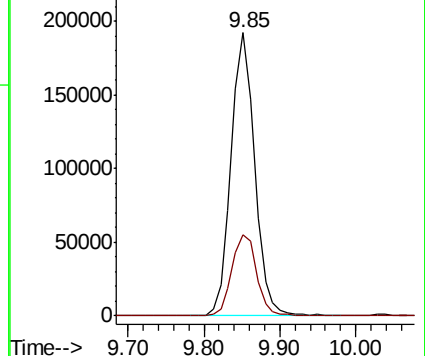
63 100

106 28.6 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

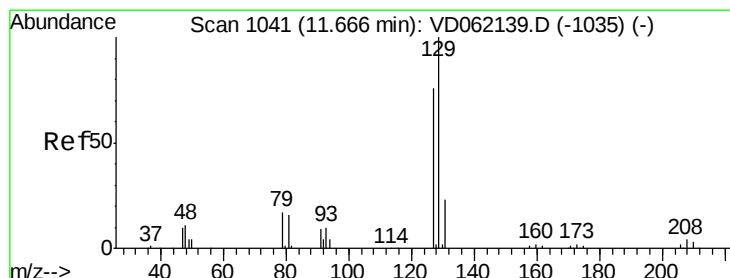
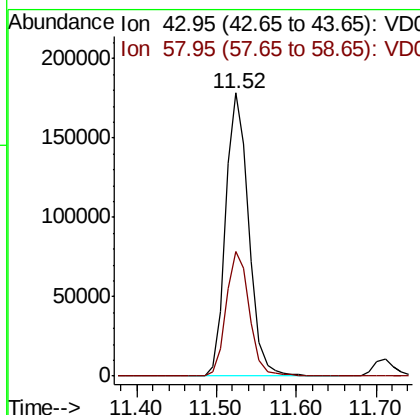
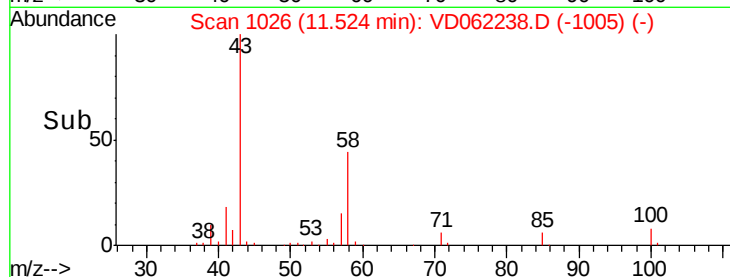
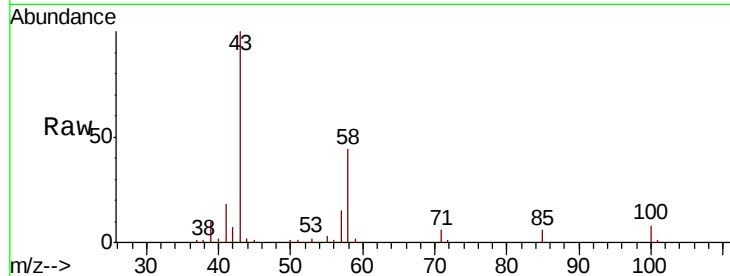




#59
2-Hexanone
Concen: 320.211 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

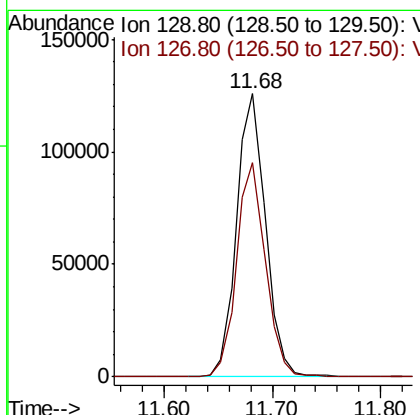
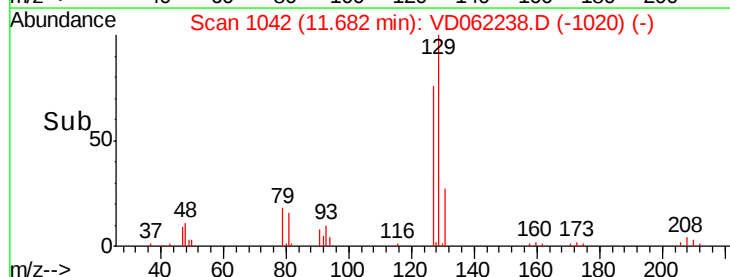
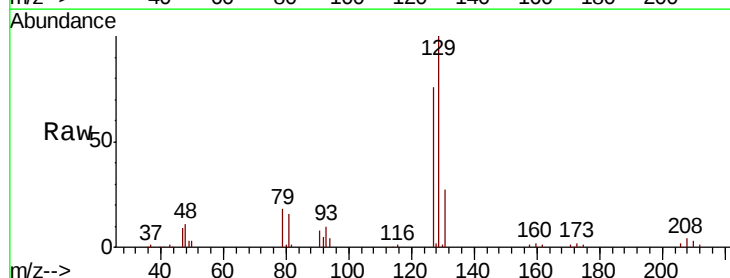
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 43 Resp: 364218
Ion Ratio Lower Upper
43 100
58 44.0 25.4 76.4



#60
Dibromochloromethane
Concen: 65.290 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 129 Resp: 234140
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

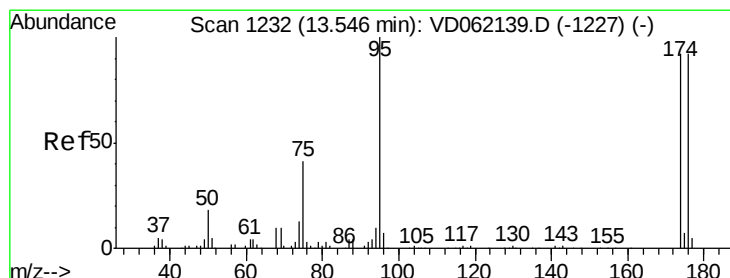
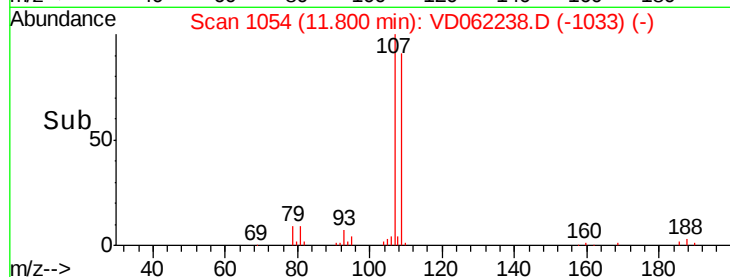
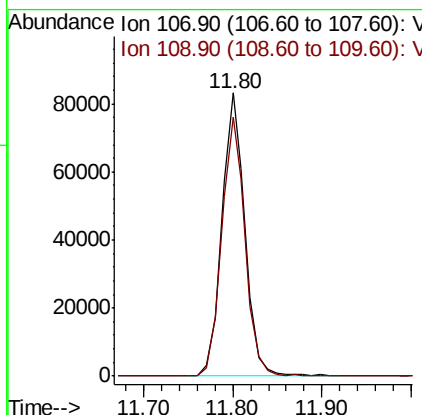
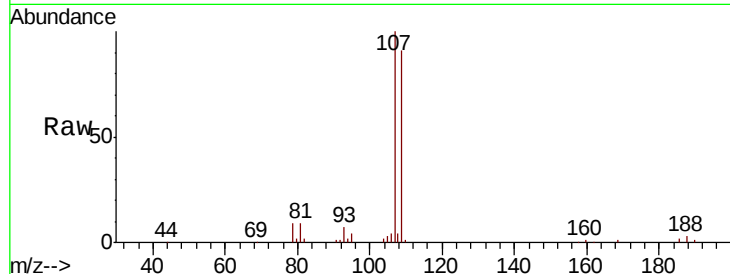




#61
 1,2-Dibromoethane
 Concen: 59.754 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

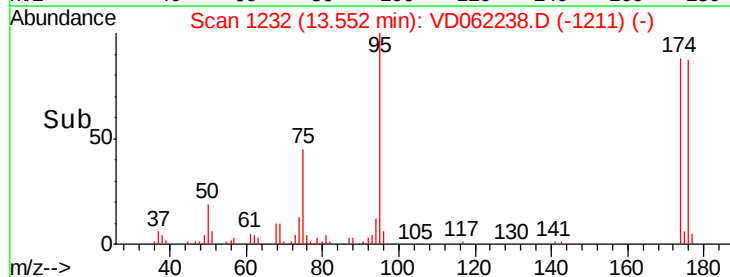
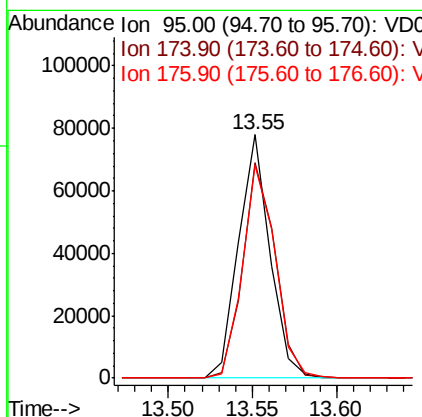
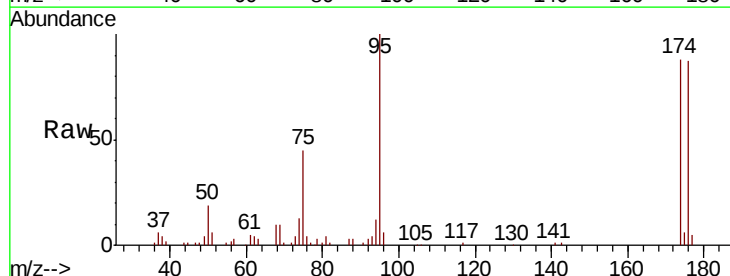
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion:107 Resp: 150746
 Ion Ratio Lower Upper
 107 100
 109 91.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 25.699 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 95 Resp: 100506
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 181.8
 176 87.5 0.0 174.4

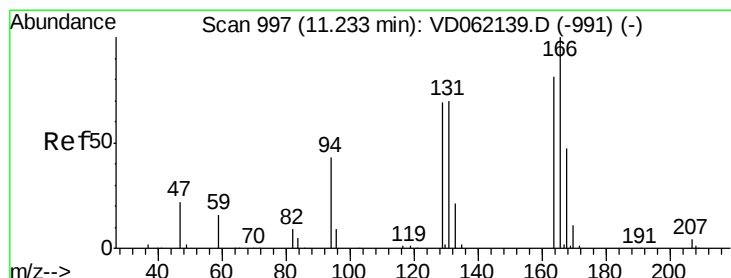
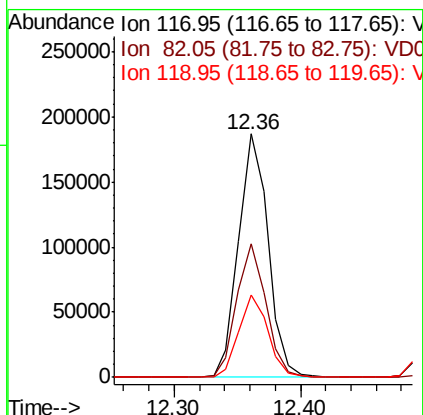
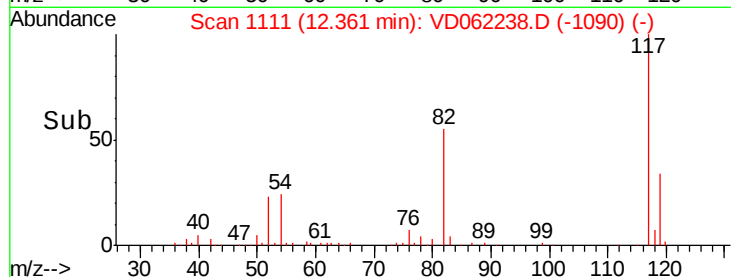
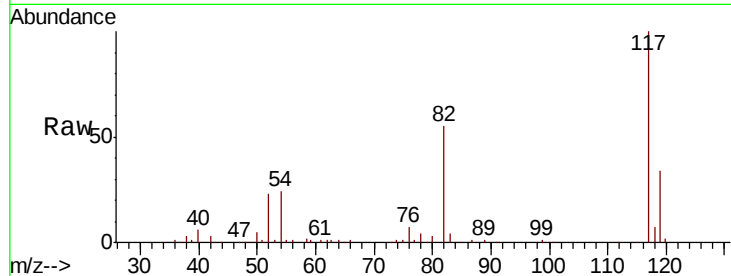




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

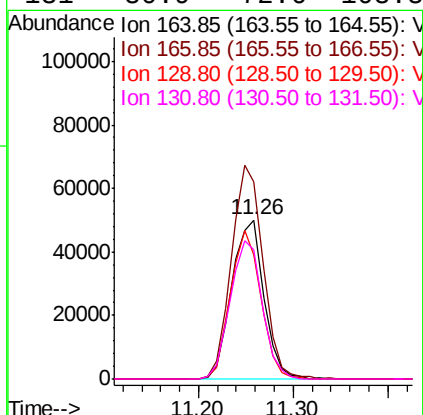
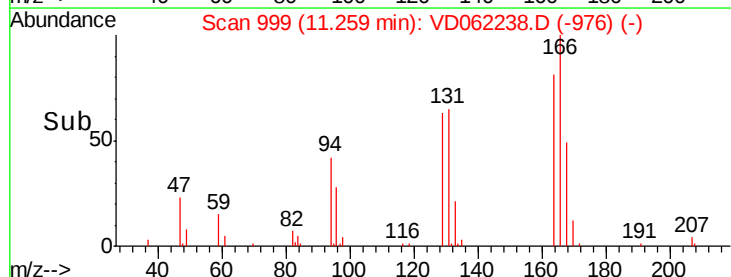
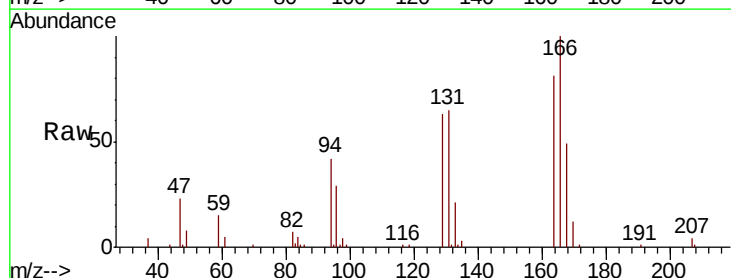
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion:117 Resp: 303987
Ion Ratio Lower Upper
117 100
82 54.8 36.2 54.2#
119 34.1 26.2 39.4



#64
Tetrachloroethene
Concen: 49.254 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:164 Resp: 117080
Ion Ratio Lower Upper
164 100
166 123.7 101.5 152.3
129 78.0 74.6 112.0
131 80.9 72.6 108.8

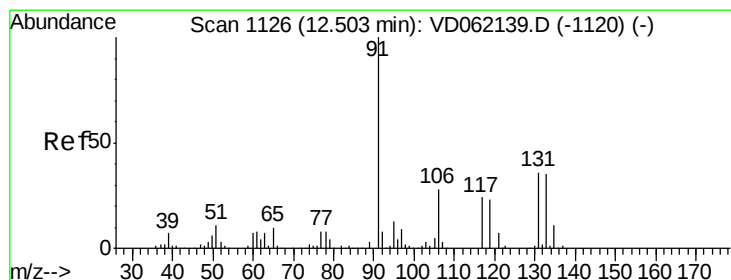
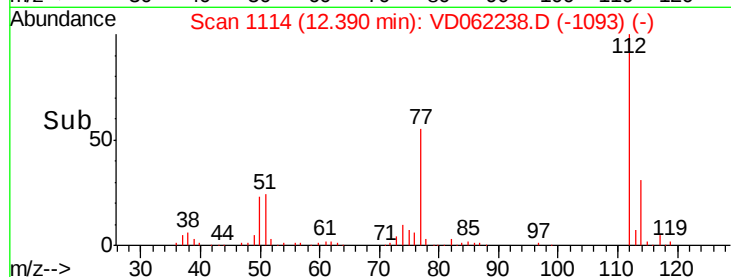
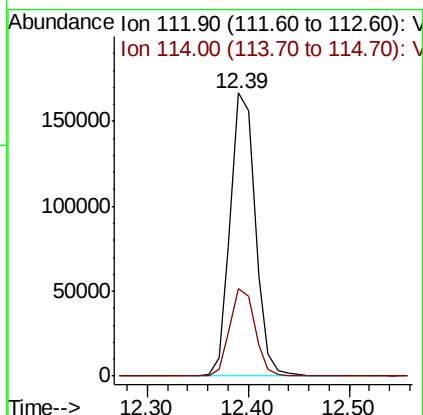
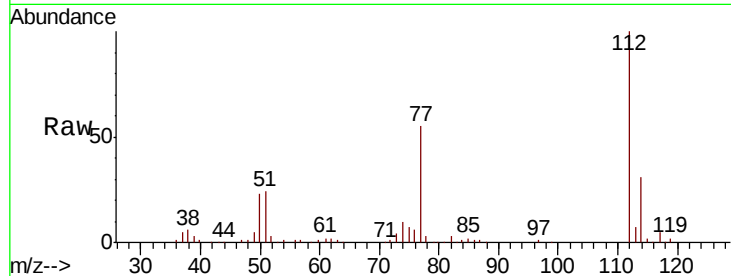




#65
Chlorobenzene
Concen: 51.055 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

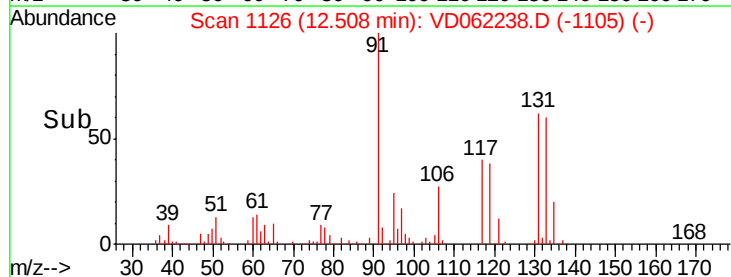
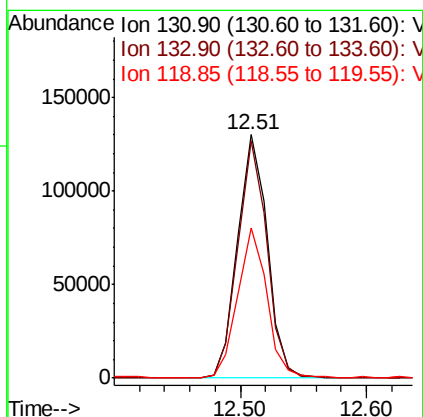
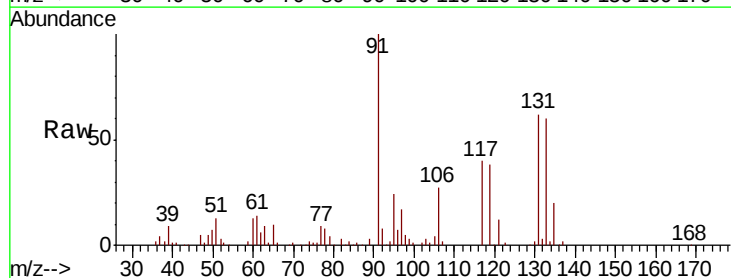
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

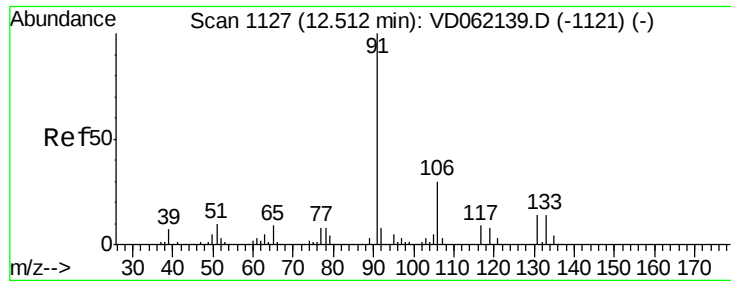
Tot Ion:112 Resp: 289063
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 86.044 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:131 Resp: 212022
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 61.7 34.7 104.1

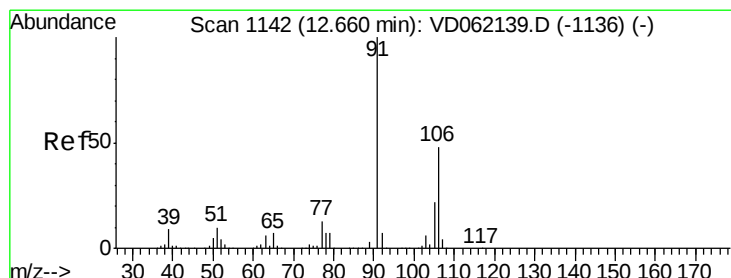
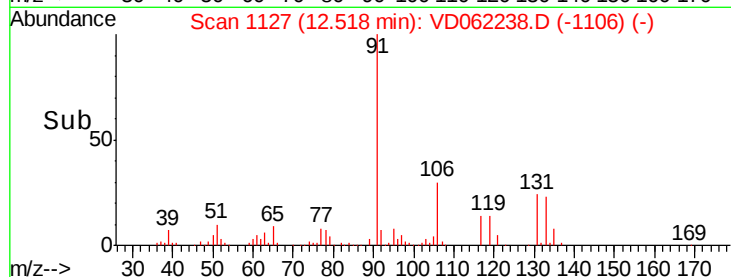
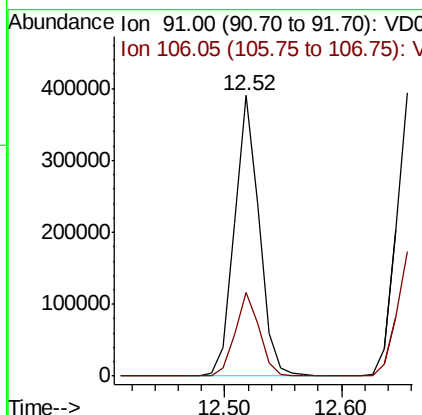
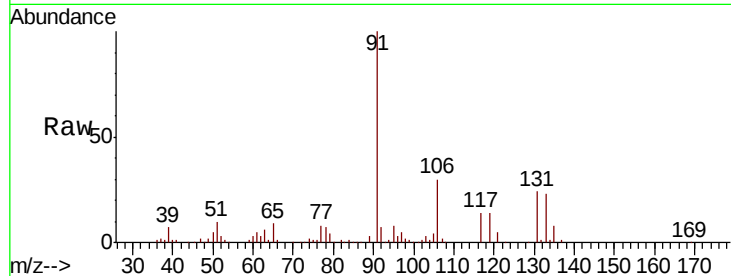




#67
Ethyl Benzene
Concen: 59.962 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

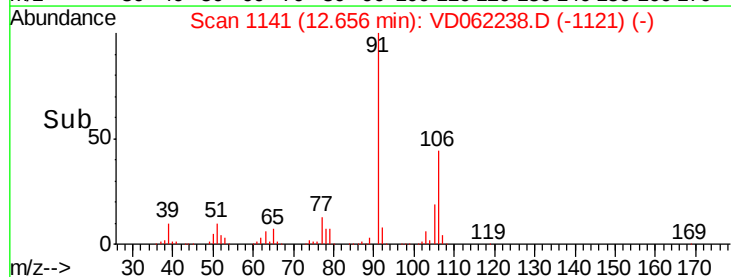
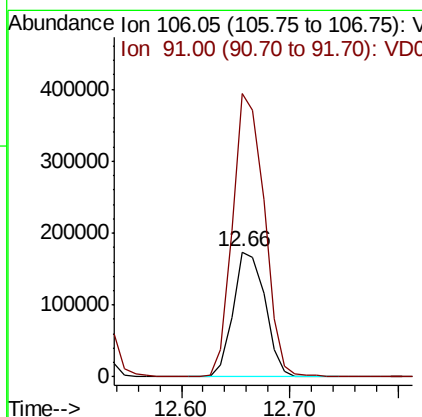
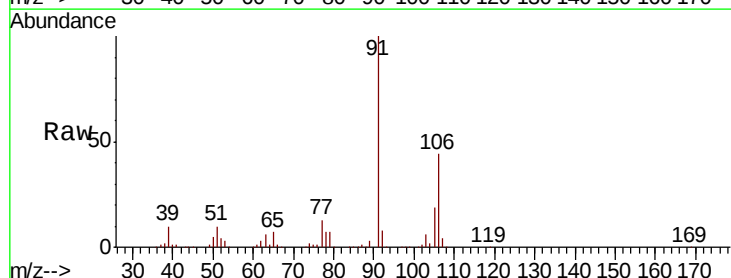
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion: 91 Resp: 568371
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 103.625 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 106 Resp: 357363
Ion Ratio Lower Upper
106 100
91 226.7 164.0 246.0

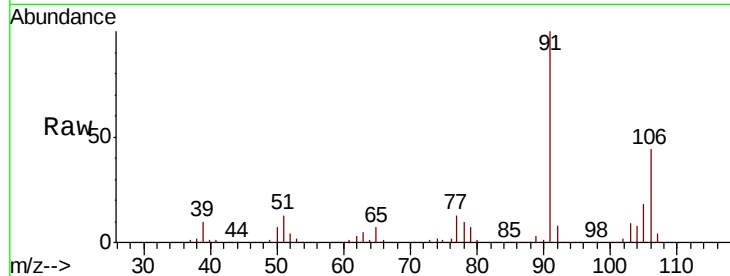




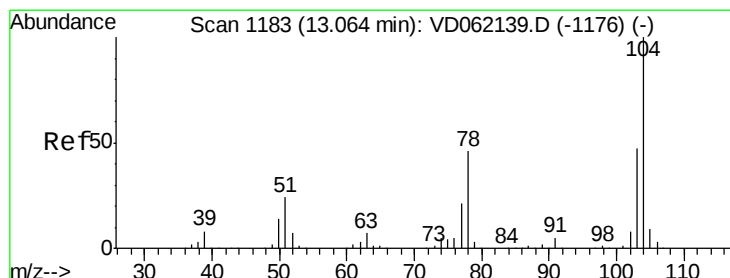
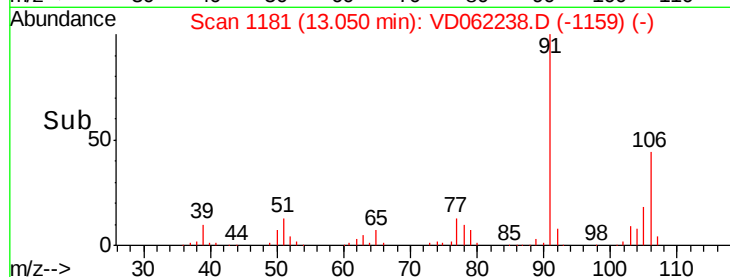
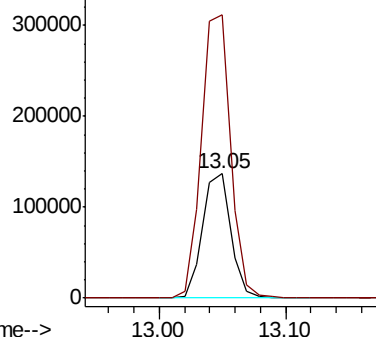
#69
o-Xylene
Concen: 66.075 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion:106 Resp: 211844
Ion Ratio Lower Upper
106 100
91 227.6 106.7 319.9

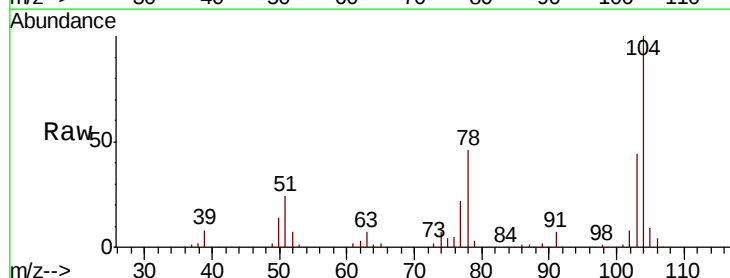


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

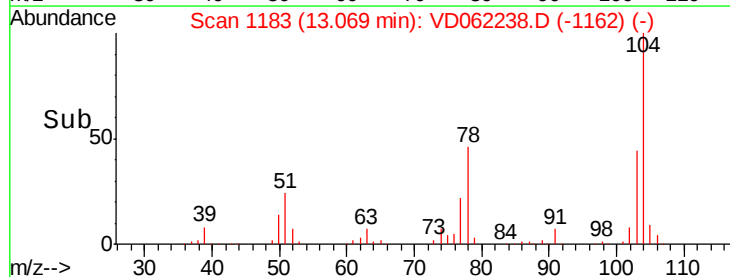
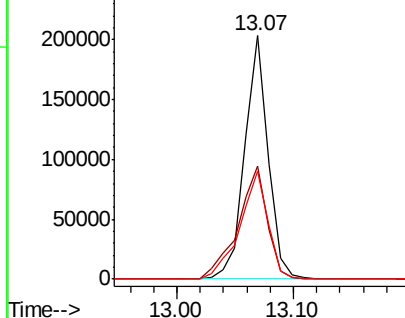


#70
Styrene
Concen: 51.925 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:104 Resp: 282017
Ion Ratio Lower Upper
104 100
78 46.4 35.4 53.2
103 44.3 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: 83.787 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

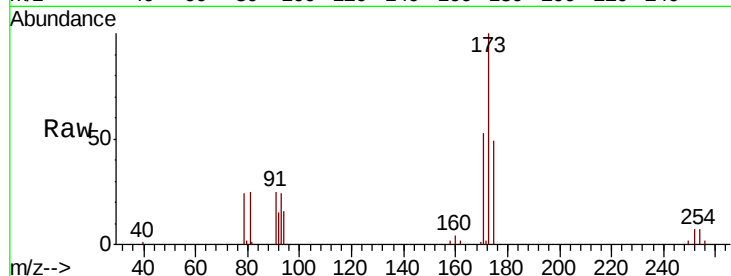
Tot Ion:173 Resp: 143642

Ion Ratio Lower Upper

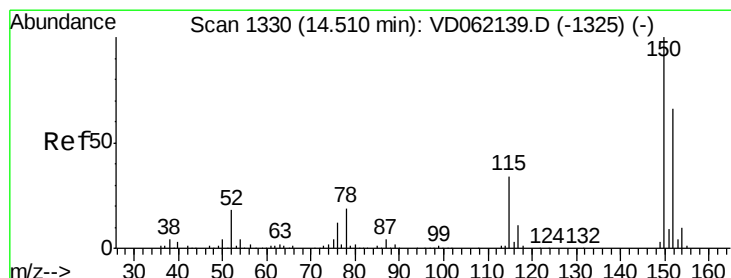
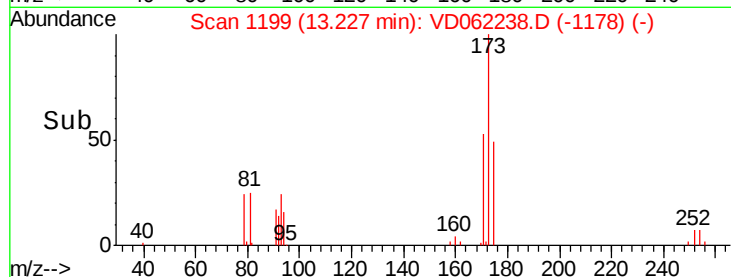
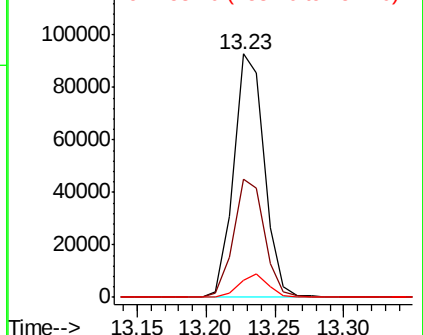
173 100

175 48.7 24.4 73.4

254 7.2 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: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

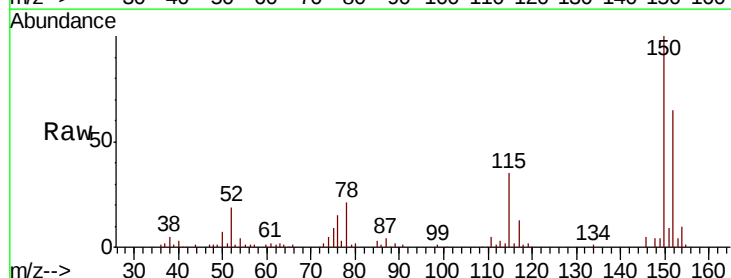
Tgt Ion:152 Resp: 82423

Ion Ratio Lower Upper

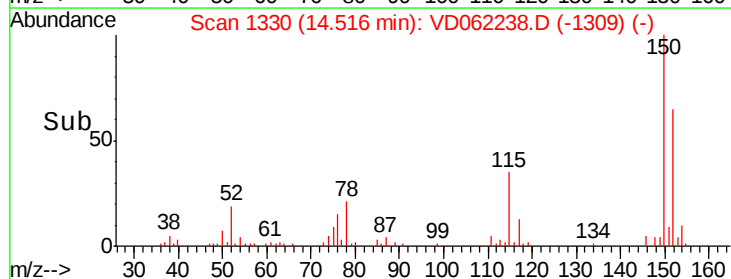
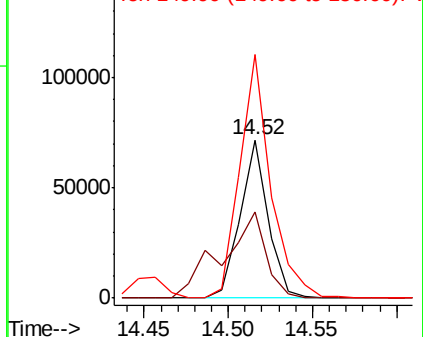
152 100

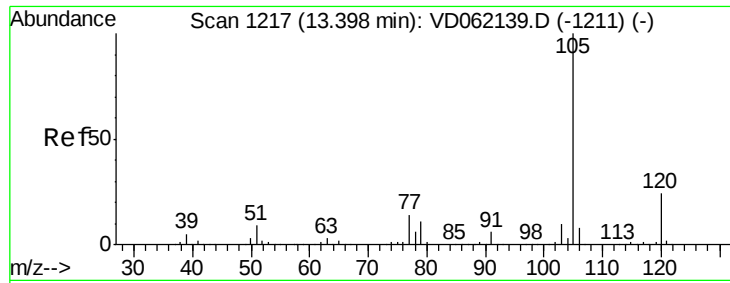
115 54.3 30.9 92.7

150 153.8 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: 95.440 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

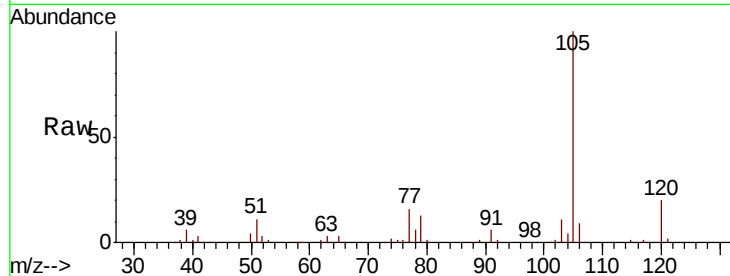
P026-SS006-0002-01MS

Tot Ion:105 Resp: 471538

Ion Ratio Lower Upper

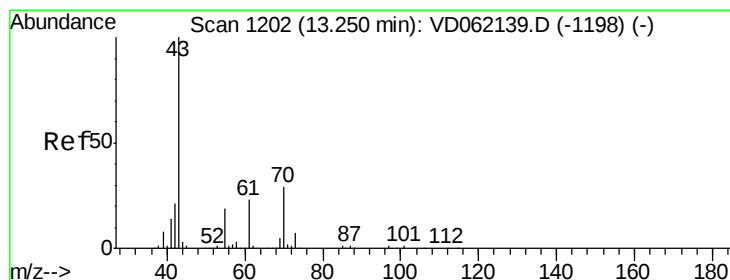
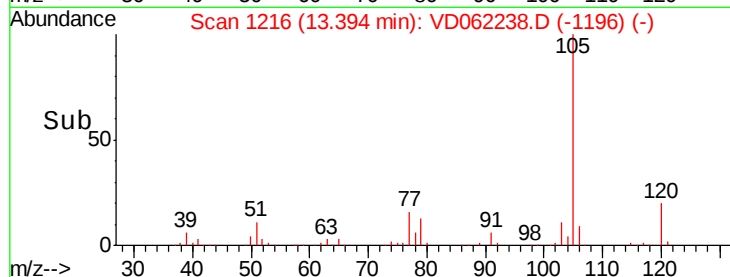
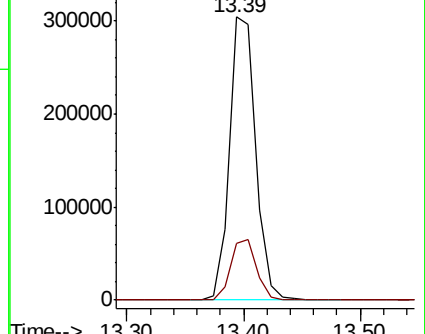
105 100

120 20.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 5.777 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion: 43 Resp: 7483

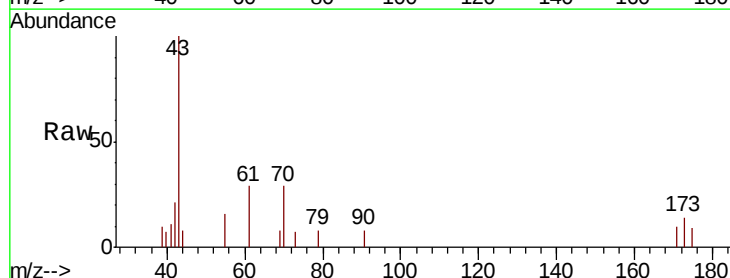
Ion Ratio Lower Upper

43 100

70 29.1 24.2 36.4

55 16.1 16.0 24.0

61 29.5 21.6 32.4

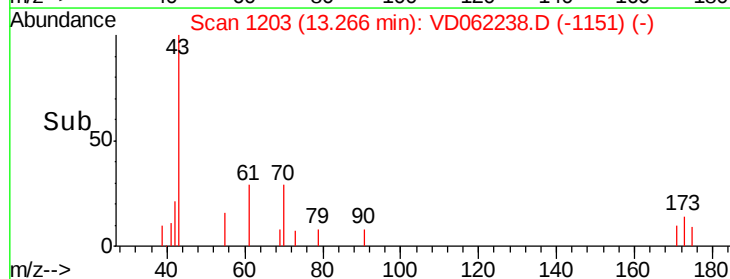
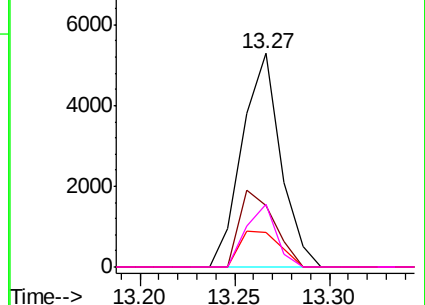


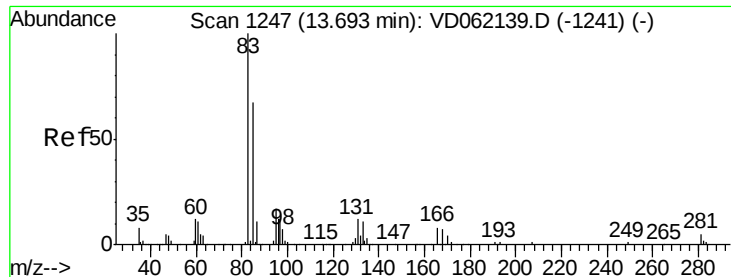
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 159.112 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

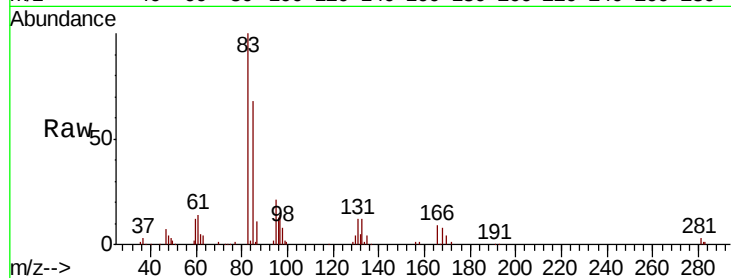
Tot Ion: 83 Resp: 148823

Ion Ratio Lower Upper

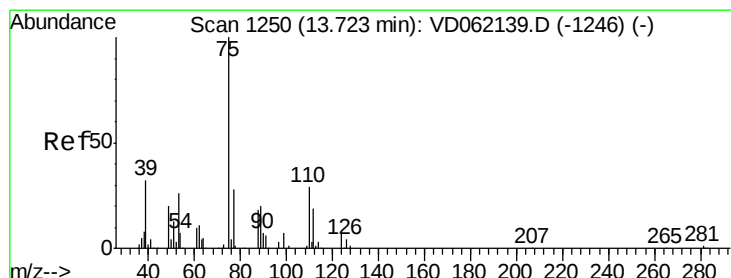
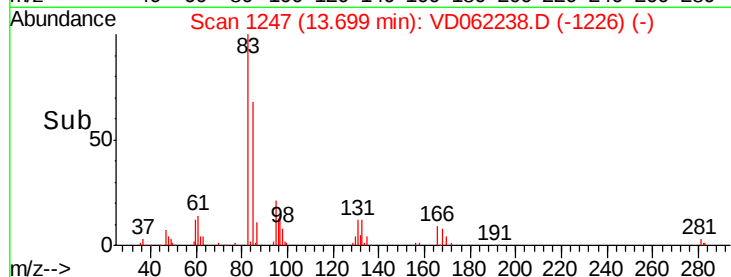
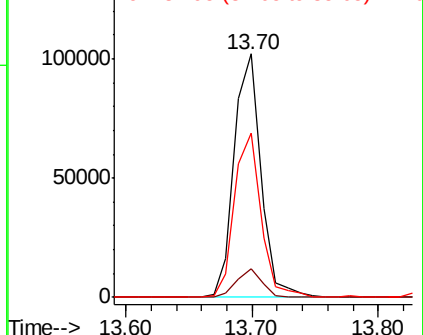
83 100

131 11.7 5.0 14.9

85 67.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 142.015 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062238.D

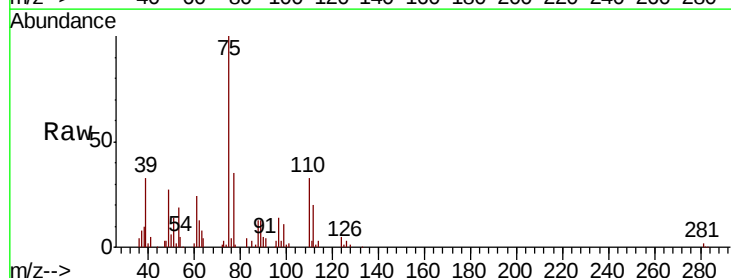
Acq: 11 May 2019 15:36

Tgt Ion: 75 Resp: 139108

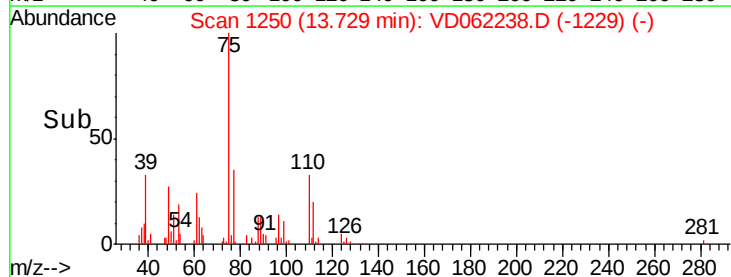
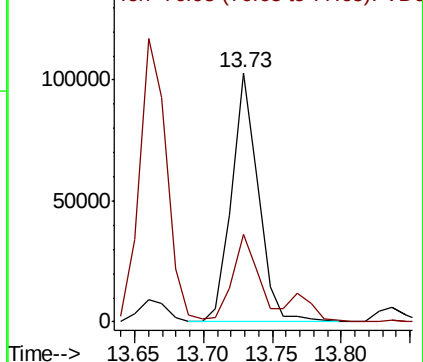
Ion Ratio Lower Upper

75 100

77 35.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 92.196 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

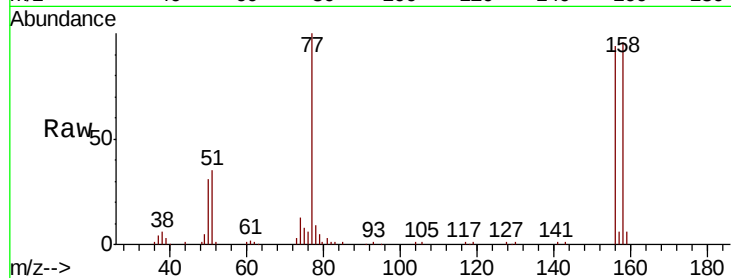
Tot Ion:156 Resp: 127515

Ion Ratio Lower Upper

156 100

77 106.8 53.1 159.4

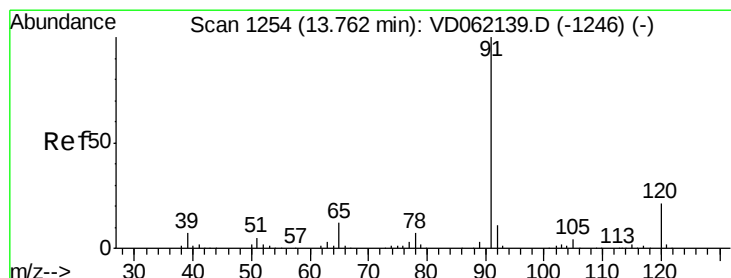
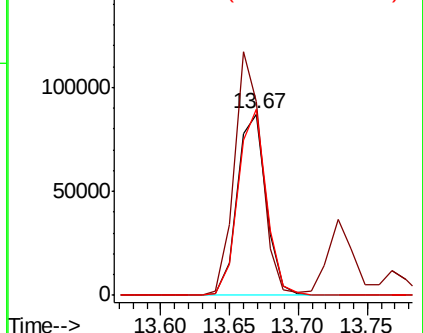
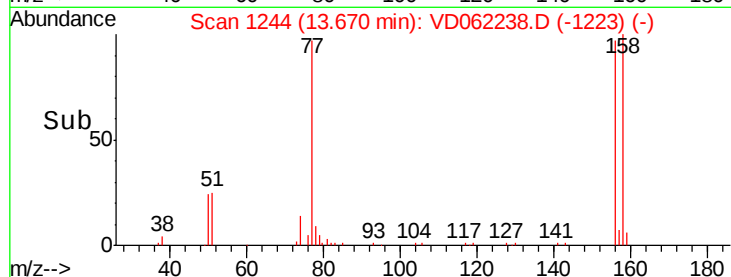
158 102.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 67.618 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062238.D

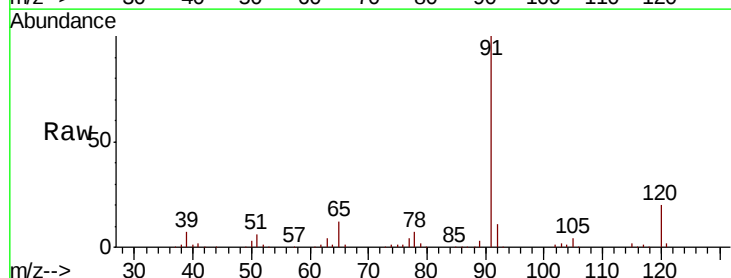
Acq: 11 May 2019 15:36

Tgt Ion: 91 Resp: 398520

Ion Ratio Lower Upper

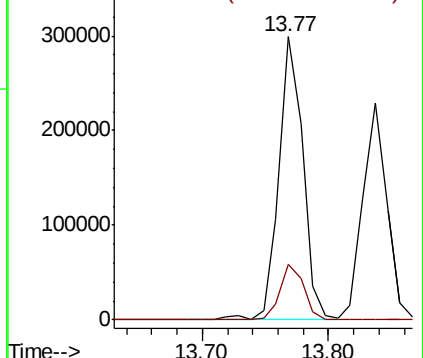
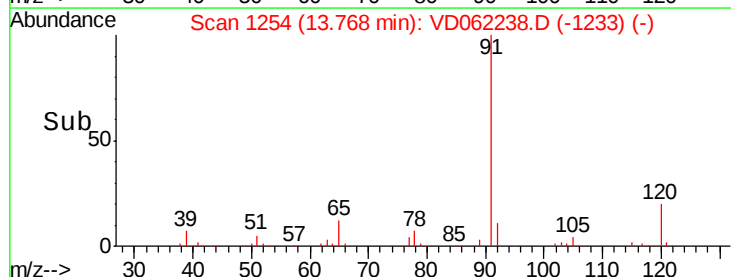
91 100

120 19.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 89.135 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

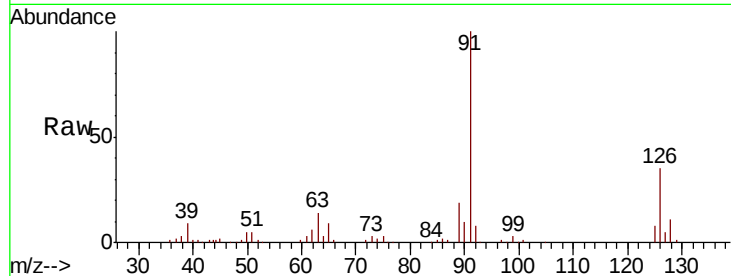
P026-SS006-0002-01MS

Tot Ion: 91 Resp: 300867

Ion Ratio Lower Upper

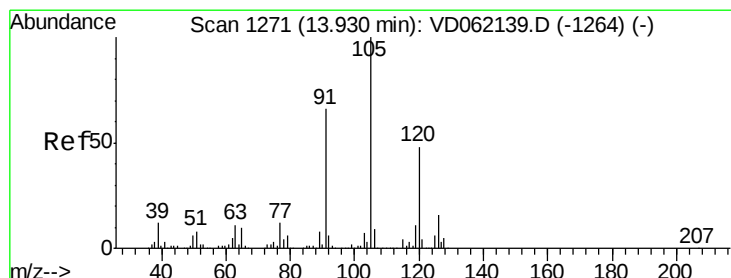
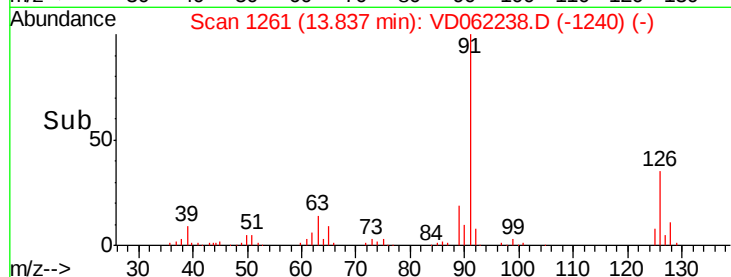
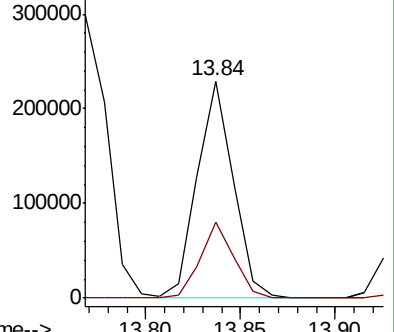
91 100

126 35.3 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: 96.142 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062238.D

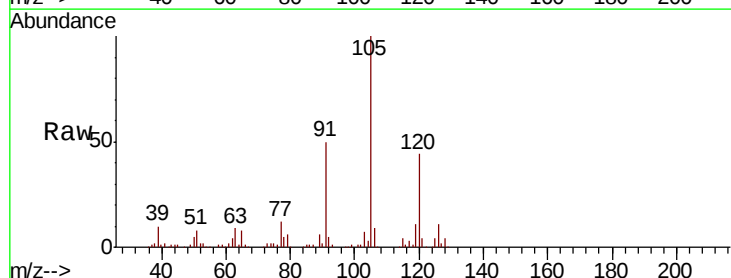
Acq: 11 May 2019 15:36

Tgt Ion:105 Resp: 399995

Ion Ratio Lower Upper

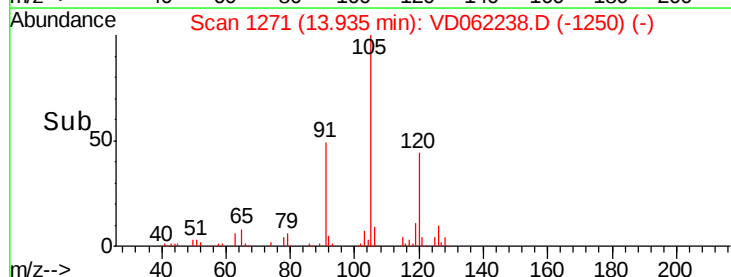
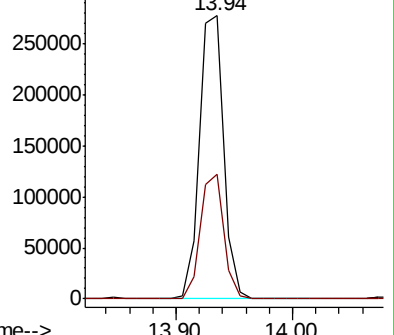
105 100

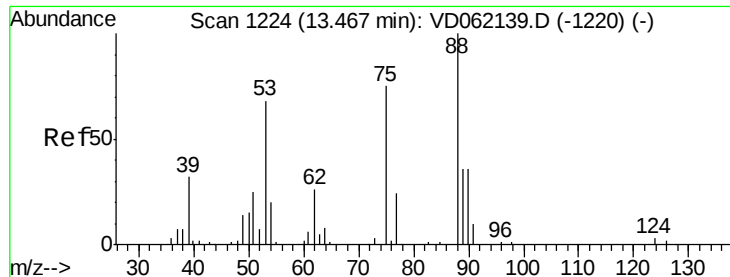
120 43.9 24.0 72.0



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: 120.759 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

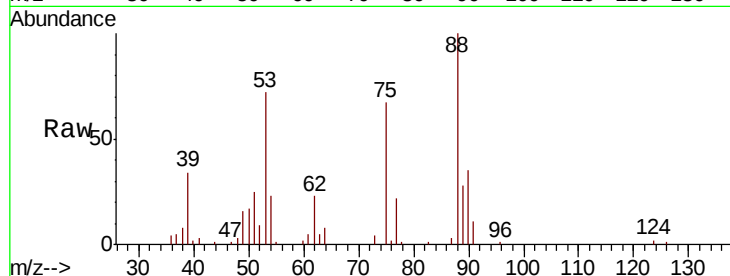
Tot Ion: 75 Resp: 33393

Ion Ratio Lower Upper

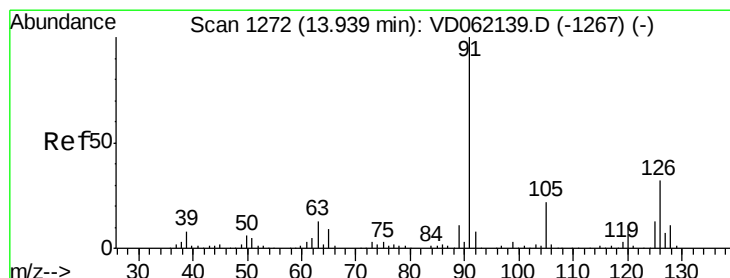
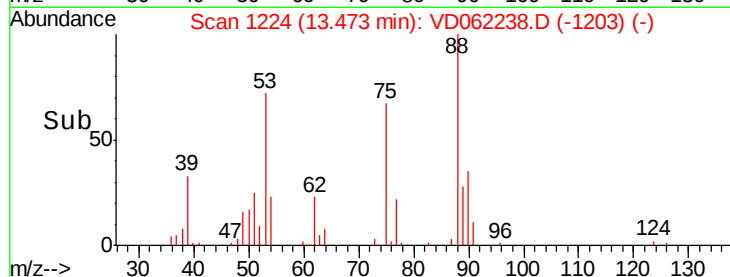
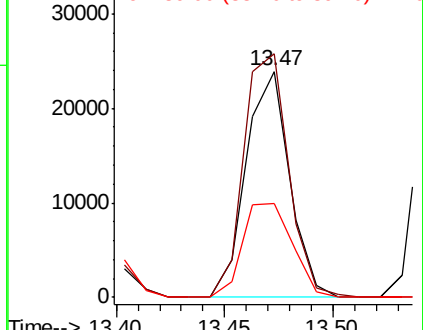
75 100

53 107.6 65.8 98.8#

89 41.7 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 71.006 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062238.D

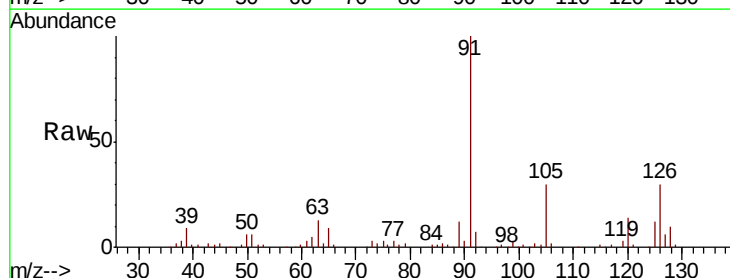
Acq: 11 May 2019 15:36

Tgt Ion: 91 Resp: 282037

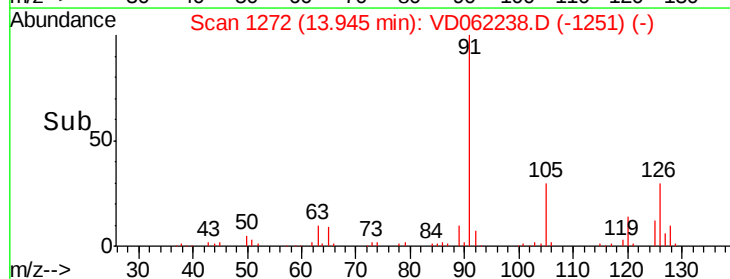
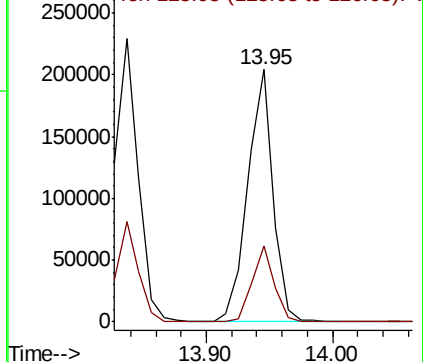
Ion Ratio Lower Upper

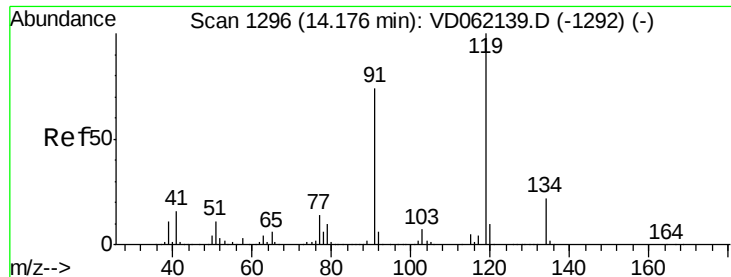
91 100

126 30.1 19.1 57.5



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

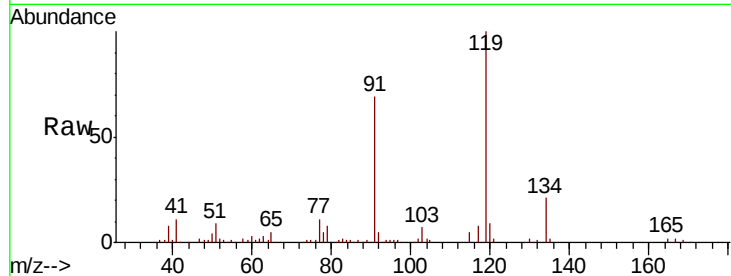




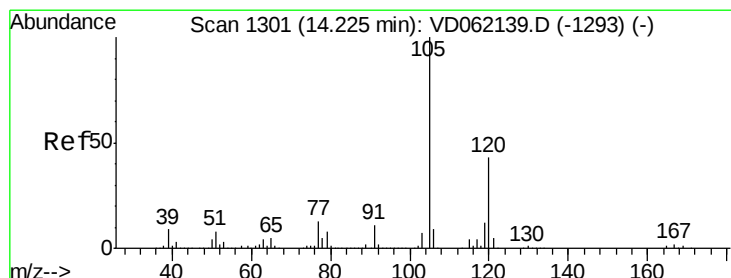
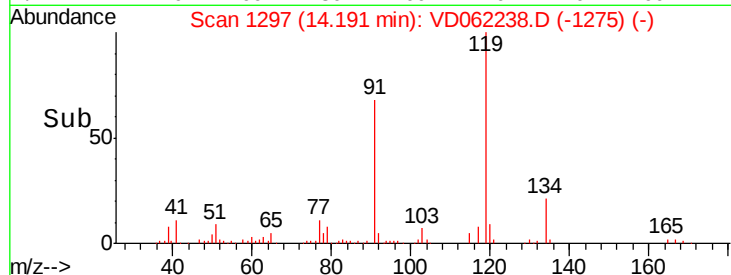
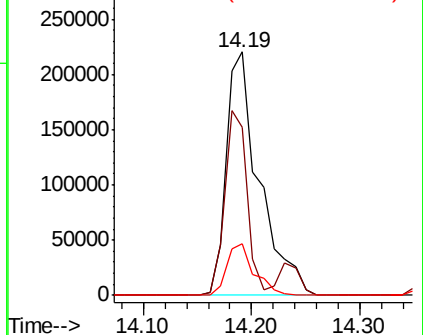
#83
tert-Butylbenzene
Concen: 99.462 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion:119 Resp: 465116
Ion Ratio Lower Upper
119 100
91 69.3 34.2 102.6
134 21.2 12.0 36.0

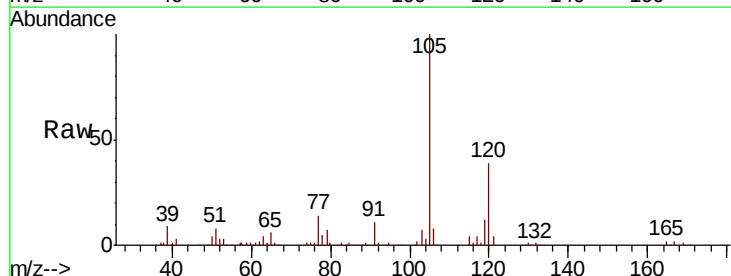


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

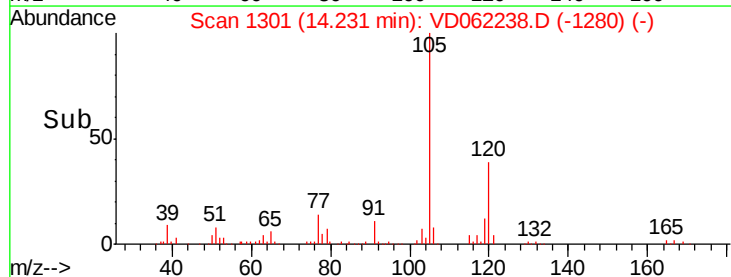
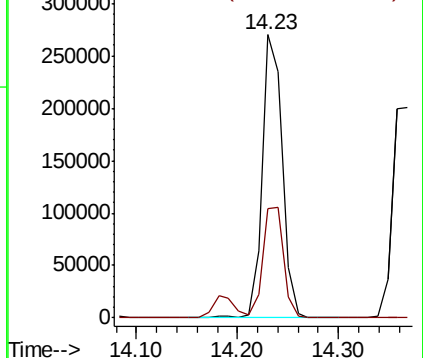


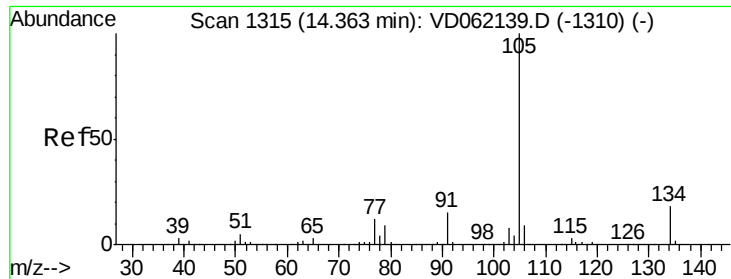
#84
1,2,4-Trimethylbenzene
Concen: 89.206 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:105 Resp: 372437
Ion Ratio Lower Upper
105 100
120 38.8 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: 58.171 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

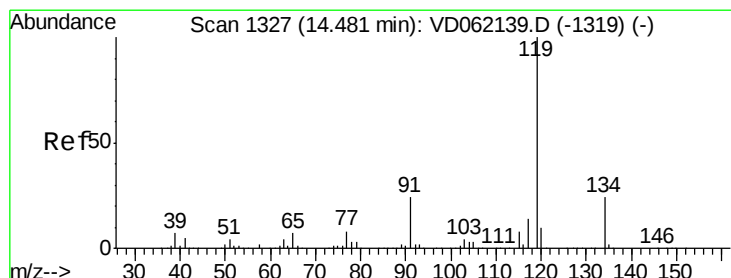
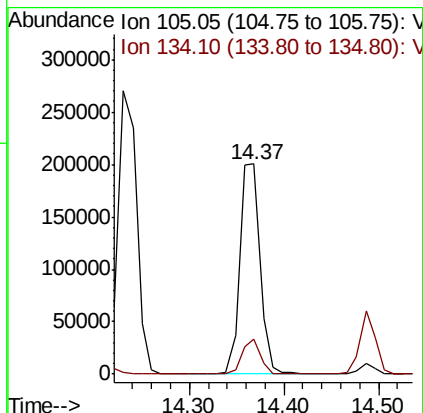
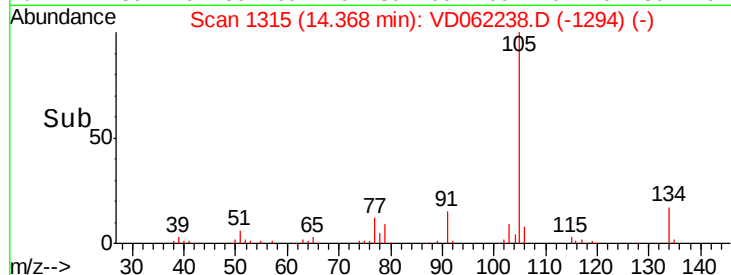
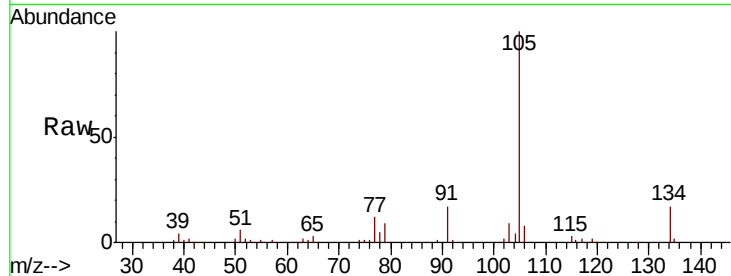
P026-SS006-0002-01MS

Tot Ion:105 Resp: 298254

Ion Ratio Lower Upper

105 100

134 16.8 8.9 26.7



#86

p-Isopropyltoluene

Concen: 67.688 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

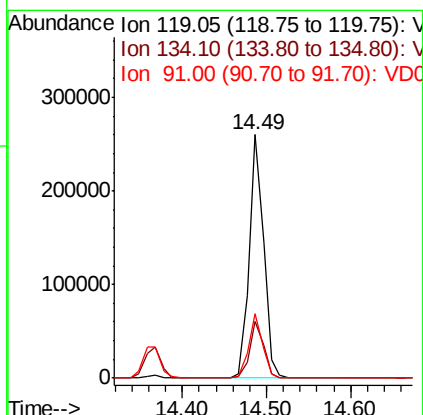
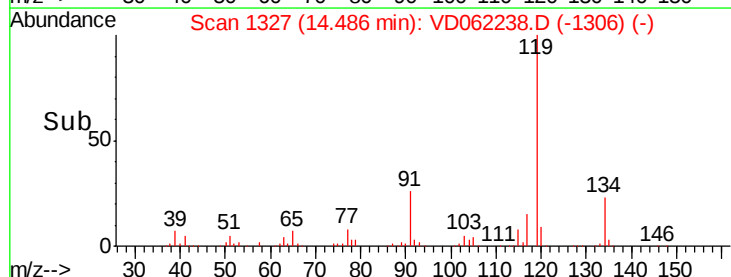
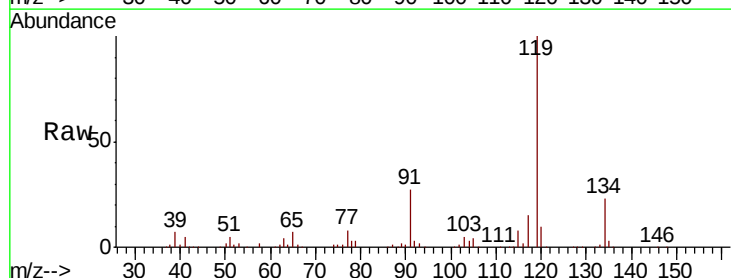
Tgt Ion:119 Resp: 310065

Ion Ratio Lower Upper

119 100

134 23.1 12.8 38.3

91 26.6 10.7 32.1

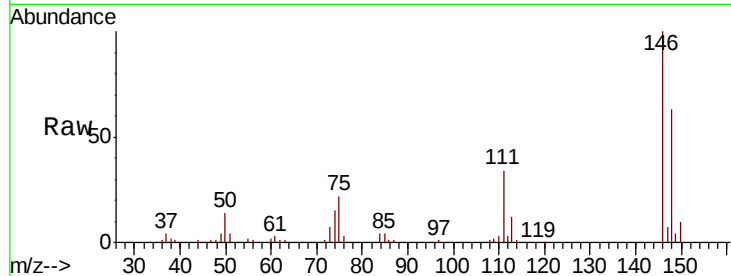




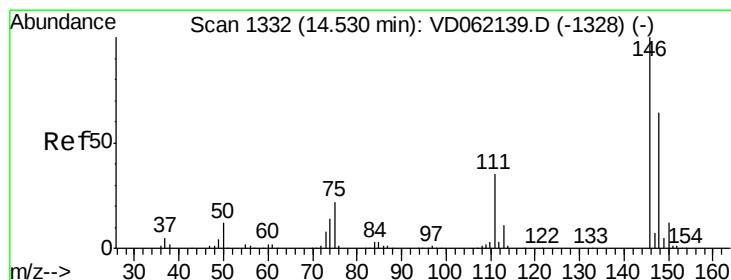
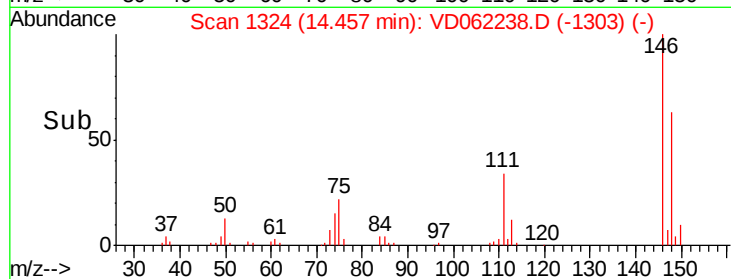
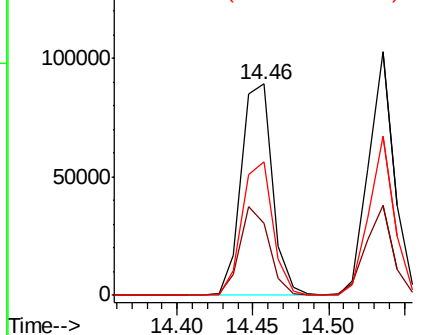
#87
 1,3-Dichlorobenzene
 Concen: 50.841 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	20.0	60.0
148	63.5	31.8	95.4

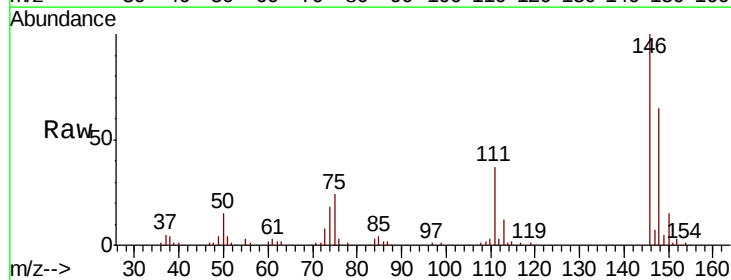


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

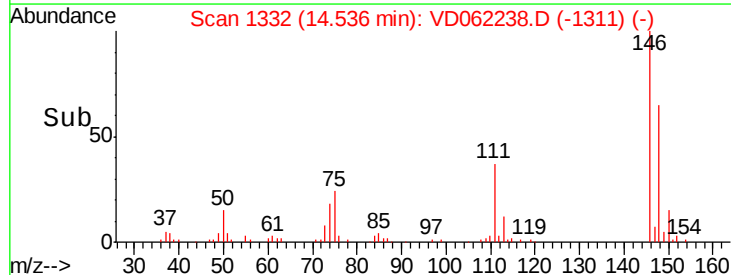
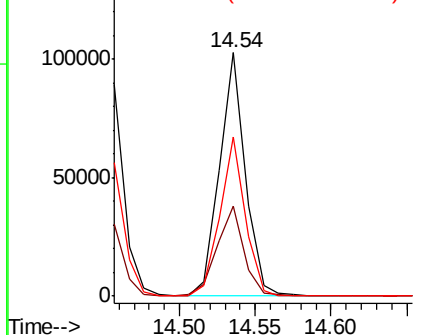


#88
 1,4-Dichlorobenzene
 Concen: 49.078 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.2	60.5
148	65.3	32.0	96.2



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





#89

n-Butylbenzene

Concen: 38.863 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

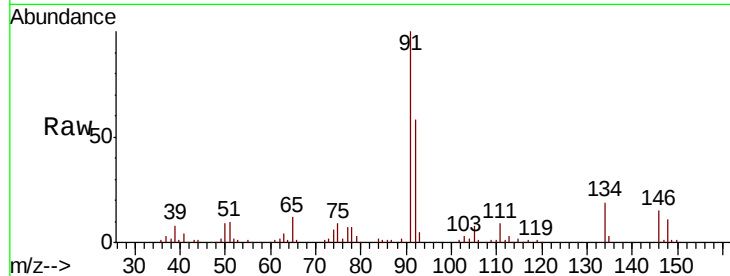
Tot Ion: 91 Resp: 159789

Ion Ratio Lower Upper

91 100

92 58.5 30.3 91.0

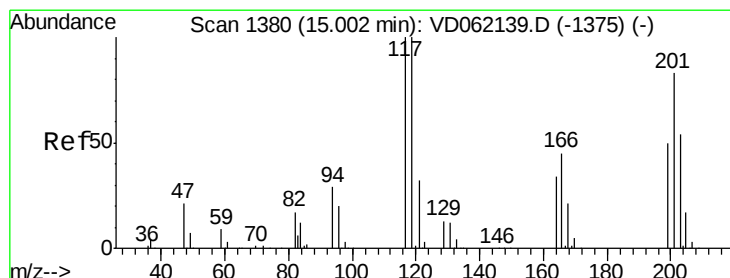
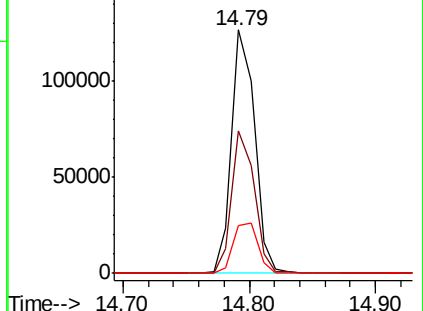
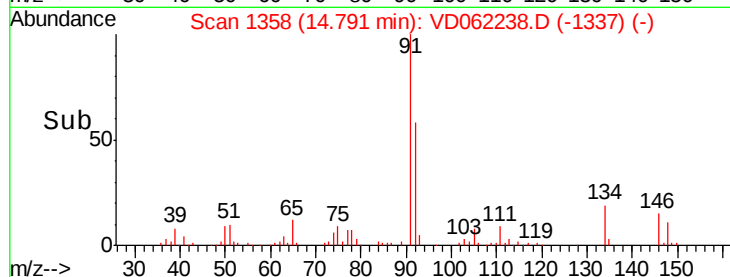
134 19.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 82.062 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD062238.D

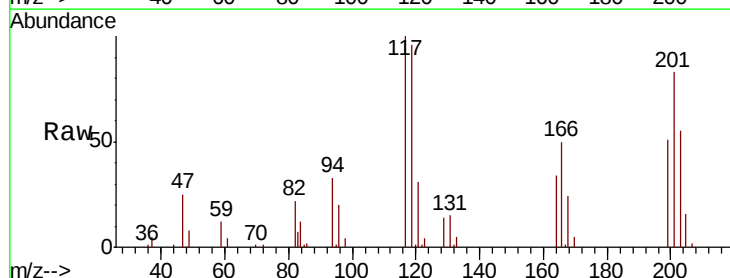
Acq: 11 May 2019 15:36

Tgt Ion: 117 Resp: 102228

Ion Ratio Lower Upper

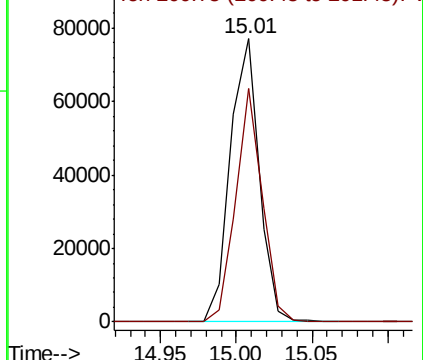
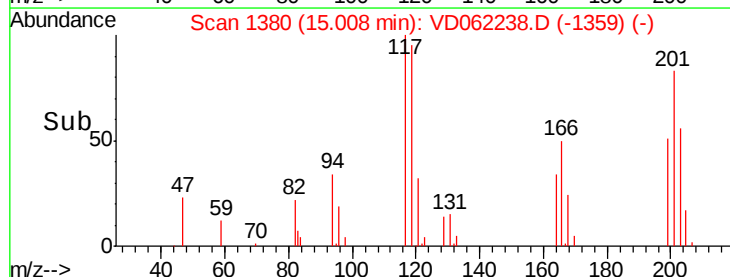
117 100

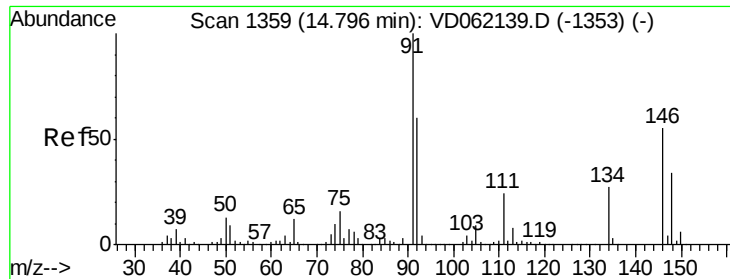
201 82.6 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

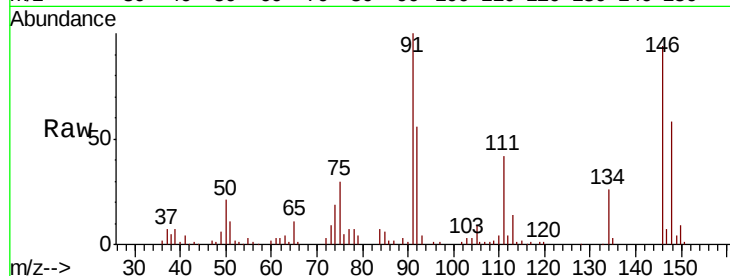




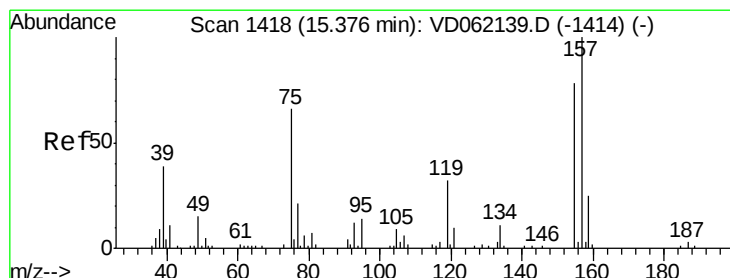
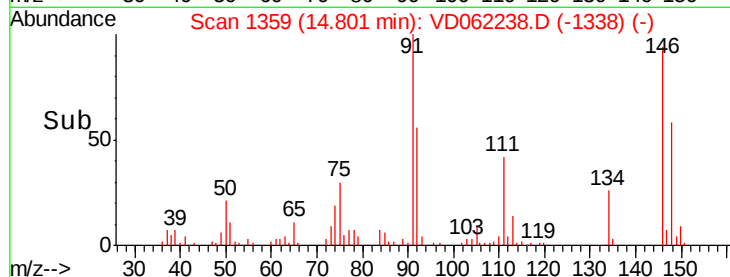
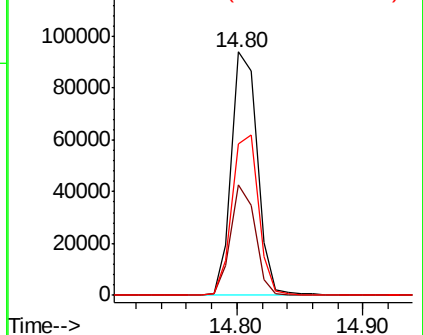
#91
 1,2-Dichlorobenzene
 Concen: 64.181 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion:146 Resp: 133547
 Ion Ratio Lower Upper
 146 100
 111 45.2 20.0 59.9
 148 62.4 32.3 96.8

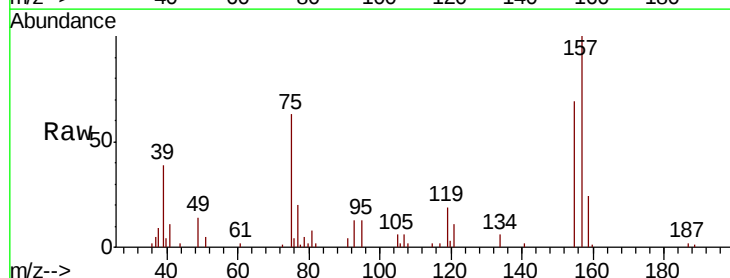


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

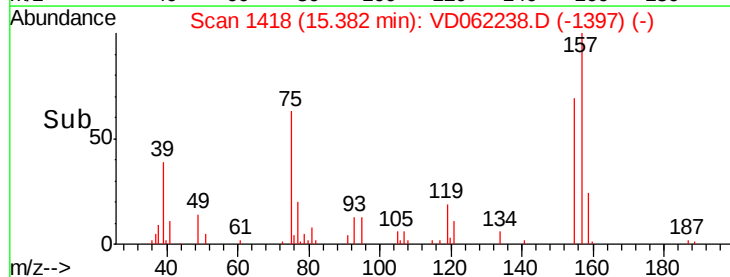
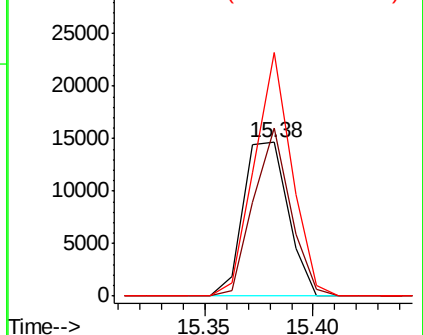


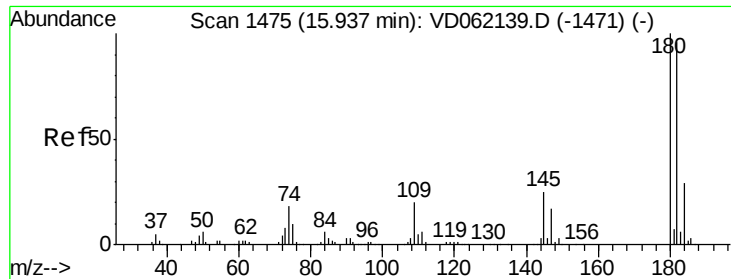
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.664 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 75 Resp: 20983
 Ion Ratio Lower Upper
 75 100
 155 109.2 55.3 165.8
 157 158.6 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

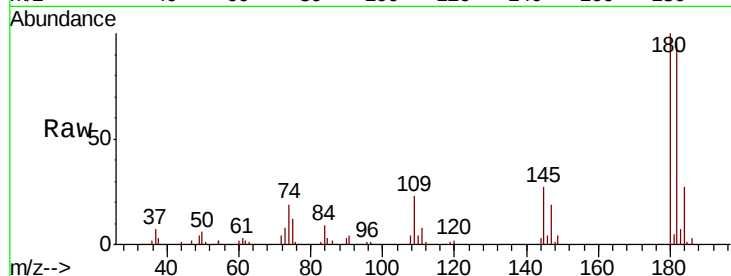




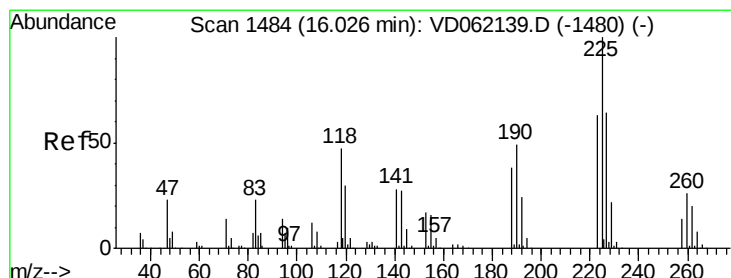
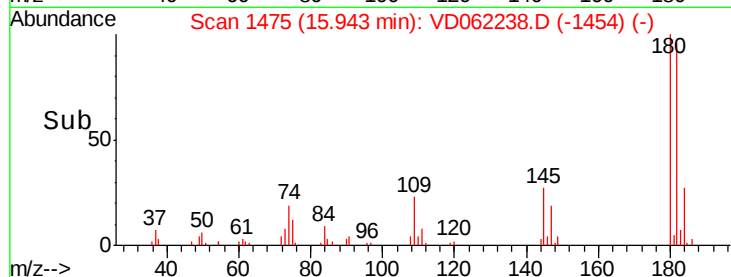
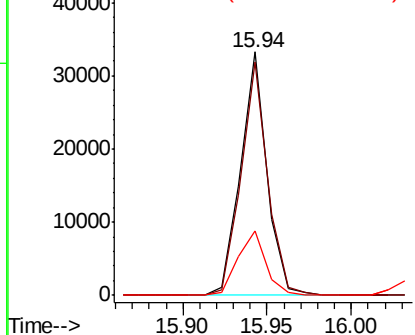
#93
 1,2,4-Trichlorobenzene
 Concen: 23.753 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tot Ion:180 Resp: 35975
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.3 147.8
 145 26.7 16.2 48.6

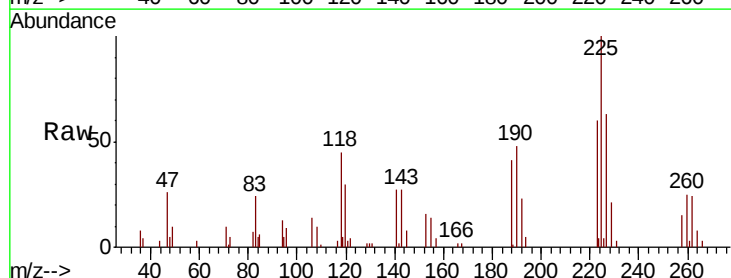


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

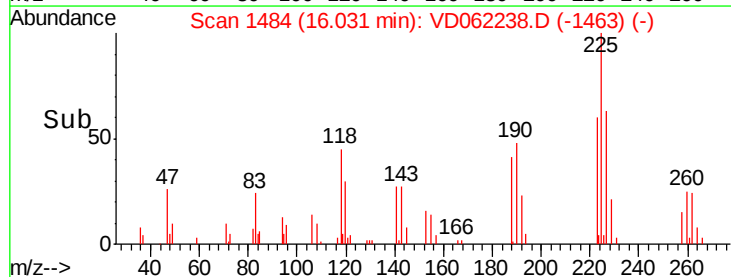
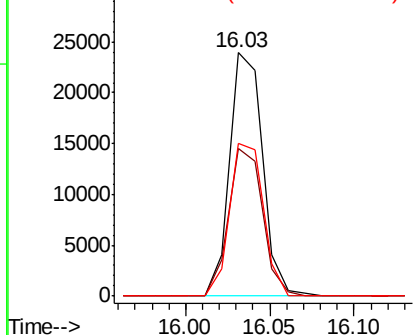


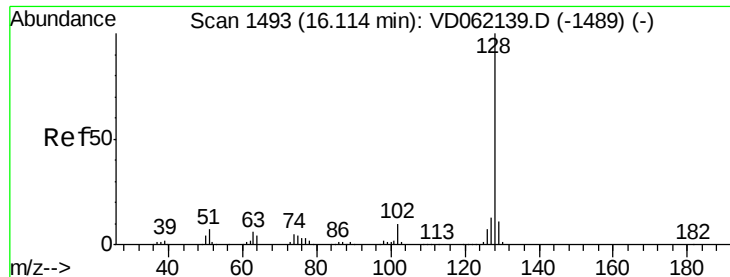
#94
 Hexachlorobutadiene
 Concen: 28.885 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion:225 Resp: 32538
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.6 92.0
 227 62.7 32.0 96.2



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

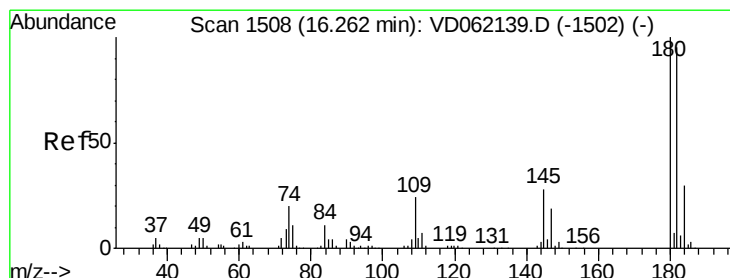
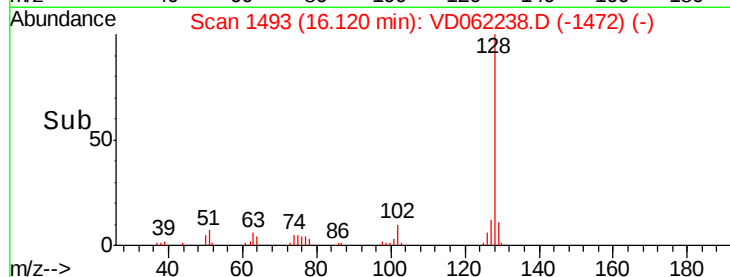
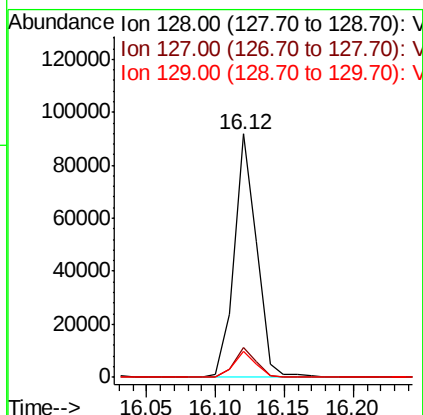
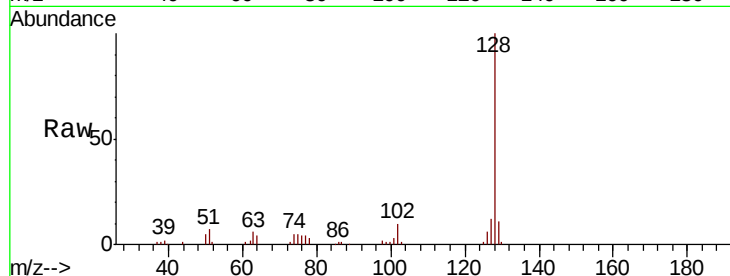




#95
Naphthalene
Concen: 49.139 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tot Ion:128 Resp: 103901
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 32.939 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:180 Resp: 31366
Ion Ratio Lower Upper
180 100
182 89.2 47.0 141.0
145 28.7 17.0 51.0

