

Data File : VD062239.D
Acq On : 11 May 2019 16:03
Operator : FY/SY
Sample : K2718-10MSD
Misc : 4.56g/5mL/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 11 22:22:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	557583	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	734411	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	446390	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	129349	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	226071	43.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.26%	
35) Dibromofluoromethane	6.91	113	281587	46.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	10.41	98	558709	38.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.06%	
62) 4-Bromofluorobenzene	13.56	95	146067	24.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	49.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	301906	56.613	ug/l	99
3) Chloromethane	1.75	50	202936	52.665	ug/l	97
4) Vinyl Chloride	1.85	62	204729	54.061	ug/l	94
5) Bromomethane	2.15	94	91185	102.760	ug/l	97
6) Chloroethane	2.26	64	100792	63.428	ug/l	96
7) Trichlorofluoromethane	2.52	101	449107	60.999	ug/l	95
8) Diethyl Ether	2.86	74	63447	44.683	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	289087	51.906	ug/l	98
10) Methyl Iodide	3.30	142	365072	43.370	ug/l #	82
11) Tert butyl alcohol	4.05	59	59439	224.725	ug/l	98
12) 1,1-Dichloroethene	3.12	96	220812	51.938	ug/l	92
13) Acrolein	3.03	56	3196	11.683	ug/l	84
14) Allyl chloride	3.62	41	317507	51.363	ug/l #	84
15) Acrylonitrile	4.19	53	138876	199.759	ug/l #	92
16) Acetone	3.21	43	188623	173.581	ug/l #	85
17) Carbon Disulfide	3.37	76	442976	36.220	ug/l	100
18) Methyl Acetate	3.63	43	361960	187.076	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	477737	52.425	ug/l	97
20) Methylene Chloride	3.80	84	232908	51.333	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	197525	41.752	ug/l	94
22) Diisopropyl ether	5.11	45	742794	56.467	ug/l #	86
23) Vinyl Acetate	5.11	43	318120	45.836	ug/l #	78
24) 1,1-Dichloroethane	4.97	63	447737	56.422	ug/l	100
25) 2-Butanone	6.06	43	236355	199.409	ug/l	93
26) 2,2-Dichloropropane	6.02	77	438365	55.456	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	235722	44.514	ug/l	96
28) Bromochloromethane	6.43	49	180470	57.804	ug/l	89
29) Tetrahydrofuran	6.44	42	131348	240.507	ug/l	96
30) Chloroform	6.65	83	531479	55.572	ug/l	99
31) Cyclohexane	6.94	56	240096	44.162	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	540334	59.775	ug/l	98
36) 1,1-Dichloropropene	7.13	75	272777	45.301	ug/l	95
37) Ethyl Acetate	6.17	43	40041	15.680	ug/l #	88
38) Carbon Tetrachloride	7.10	117	493158	59.172	ug/l	97

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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)
39) Methylcyclohexane	8.85	83	192711	33.403	ug/l	95
40) Benzene	7.44	78	709734	52.197	ug/l	98
41) Methacrylonitrile	6.43	41	158761	50.874	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	331244	57.498	ug/l	93
43) Isopropyl Acetate	9.24	43	31889	8.805	ug/l #	88
44) Trichloroethene	8.54	130	225163	43.457	ug/l	90
45) 1,2-Dichloropropane	8.93	63	186264	55.382	ug/l	98
46) Dibromomethane	9.06	93	135273	49.460	ug/l	93
47) Bromodichloromethane	9.37	83	365712	54.667	ug/l	98
48) Methyl methacrylate	9.12	41	142265	63.774	ug/l	86
49) 1,4-Dioxane	9.07	88	22447	932.615	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	557297	239.388	ug/l	92
52) Toluene	10.51	92	404562	45.729	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	222905	38.552	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	279457	44.305	ug/l	90
55) 1,1,2-Trichloroethane	11.18	97	164229	52.465	ug/l	94
56) Ethyl methacrylate	11.04	69	45775	14.073	ug/l #	82
57) 1,3-Dichloropropane	11.40	76	216694	45.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	456275	256.798	ug/l	92
59) 2-Hexanone	11.53	43	339415	197.814	ug/l	93
60) Dibromochloromethane	11.68	129	261383	48.317	ug/l	95
61) 1,2-Dibromoethane	11.80	107	156444	41.109	ug/l	96
64) Tetrachloroethene	11.25	164	187610	53.747	ug/l	94
65) Chlorobenzene	12.39	112	381200	45.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	265887	73.481	ug/l	94
67) Ethyl Benzene	12.52	91	786225	56.485	ug/l	96
68) m/p-Xylenes	12.66	106	461979	91.226	ug/l	81
69) o-Xylene	13.04	106	255235	54.213	ug/l	82
70) Styrene	13.06	104	322778	40.471	ug/l	93
71) Bromoform	13.23	173	142562	56.629	ug/l	99
73) Isopropylbenzene	13.40	105	705431	90.981	ug/l	95
74) N-amyl acetate	13.26	43	9680	4.762	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	145859	99.369	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	144290	93.865	ug/l	95
77) Bromobenzene	13.66	156	155516	71.650	ug/l	89
78) n-propylbenzene	13.77	91	624584	67.529	ug/l	95
79) 2-Chlorotoluene	13.84	91	401368	75.771	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	513686	78.676	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	34757	80.092	ug/l #	82
82) 4-Chlorotoluene	13.94	91	386797	62.052	ug/l	80
83) tert-Butylbenzene	14.19	119	577761	78.728	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	470708	71.842	ug/l	91
85) sec-Butylbenzene	14.36	105	530800	65.969	ug/l	97
86) p-Isopropyltoluene	14.49	119	430513	59.887	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	189350	47.755	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	174451	44.778	ug/l	98
89) n-Butylbenzene	14.80	91	236132	36.595	ug/l	94
90) Hexachloroethane	15.00	117	144784	74.059	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	177517	54.363	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20991	87.118	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051119\
Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	50840	21.390	ug/l	94
94) Hexachlorobutadiene	16.04	225	47523	26.883	ug/l	94
95) Naphthalene	16.12	128	133021	40.088	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	44927	30.064	ug/l	94

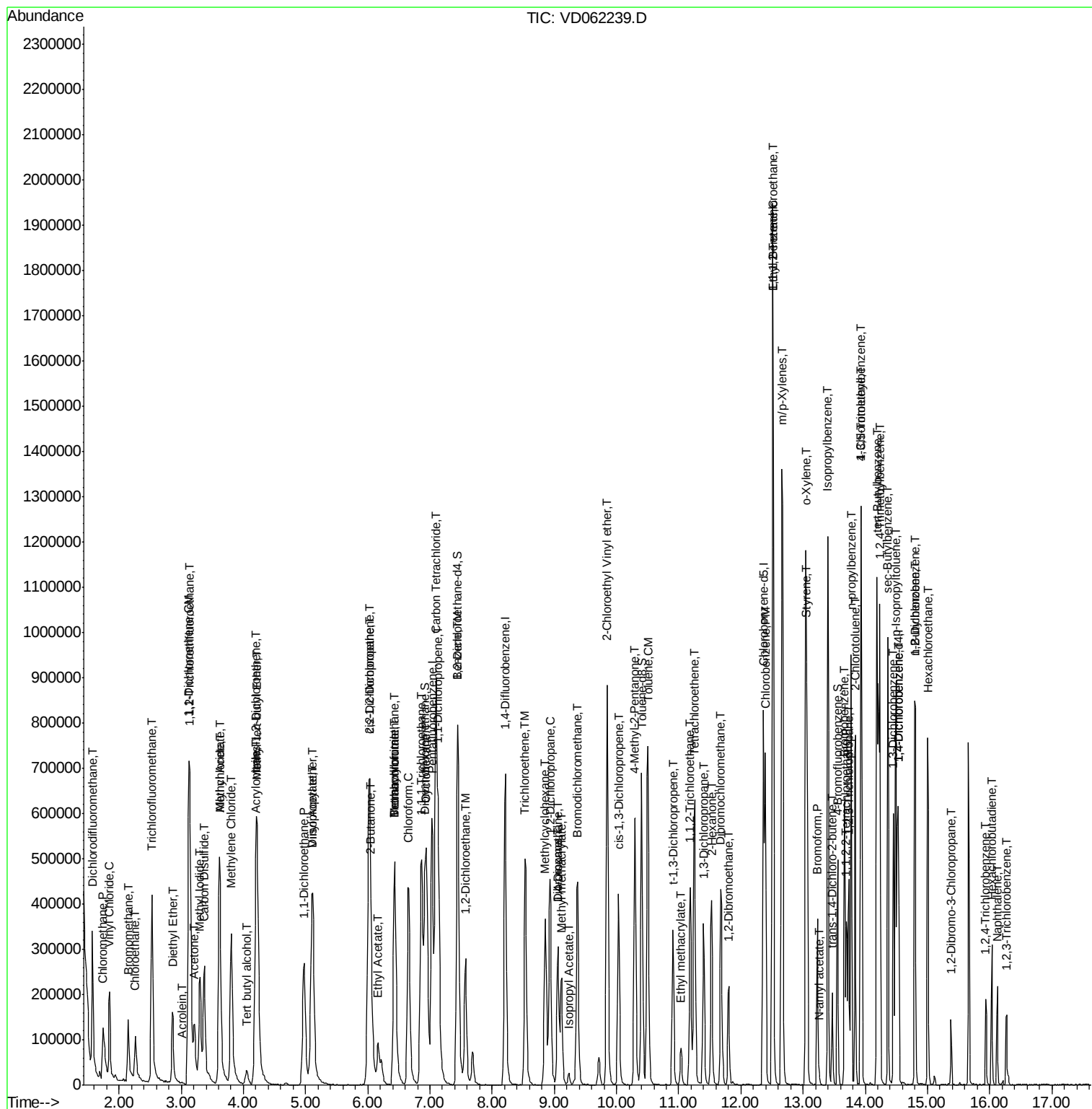
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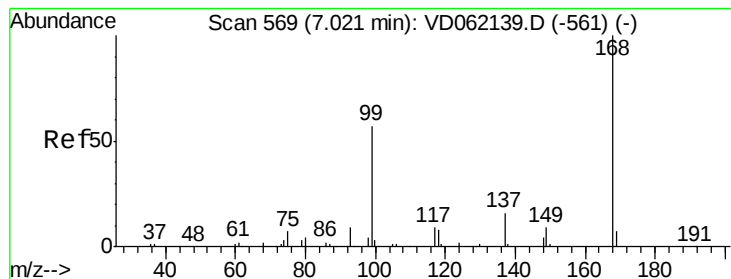
Data File : VD062239.D

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

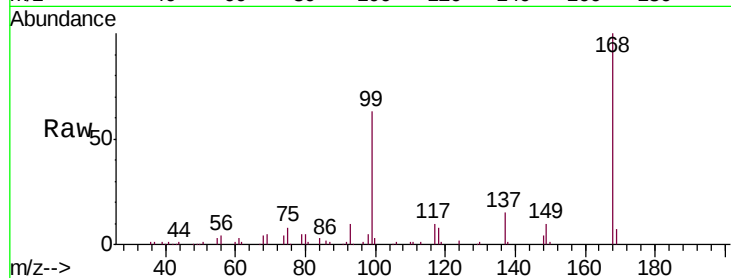
P026-SS006-0002-01MSD

Tgt Ion: 168 Resp: 557583

Ion Ratio Lower Upper

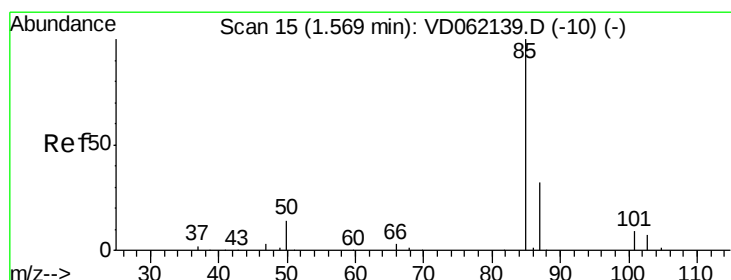
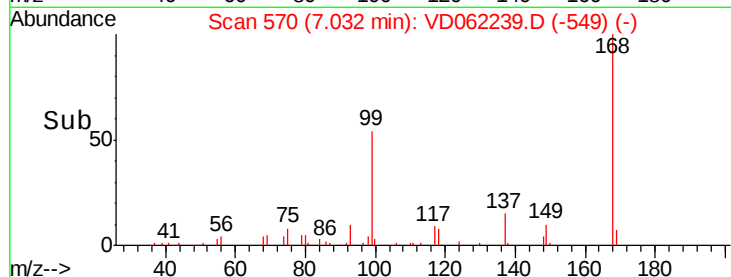
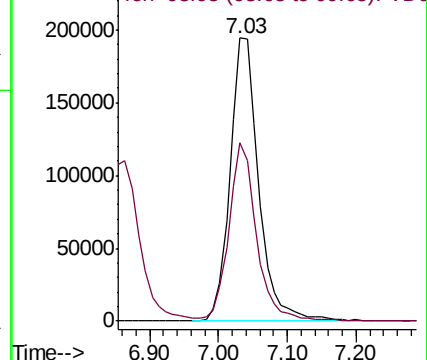
168 100

99 63.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 56.613 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062239.D

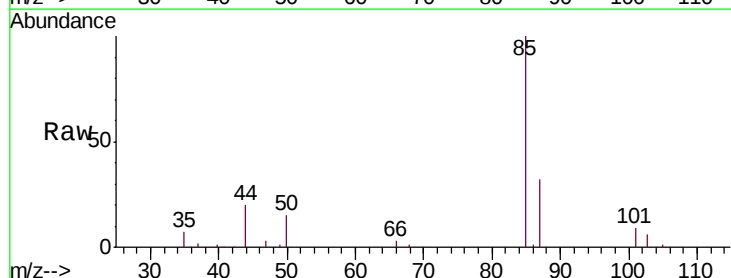
Acq: 11 May 2019 16:03

Tgt Ion: 85 Resp: 301906

Ion Ratio Lower Upper

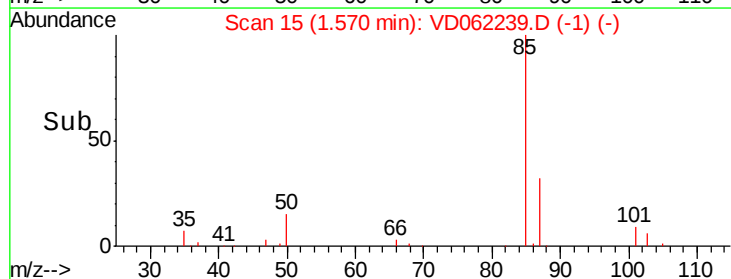
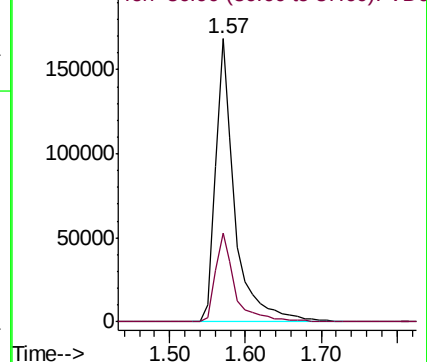
85 100

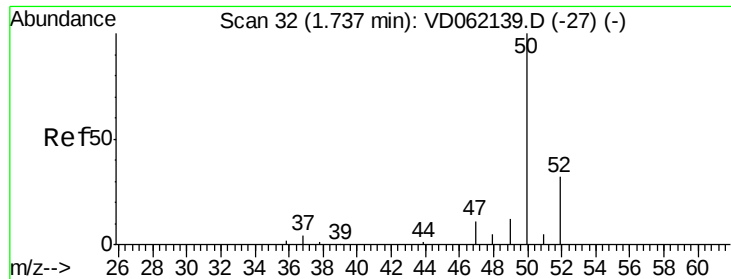
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.665 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

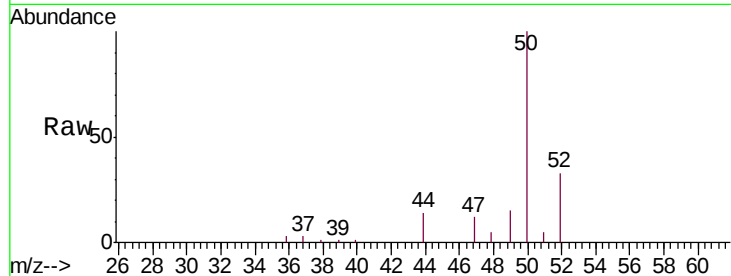
P026-SS006-0002-01MSD

Tgt Ion: 50 Resp: 202936

Ion Ratio Lower Upper

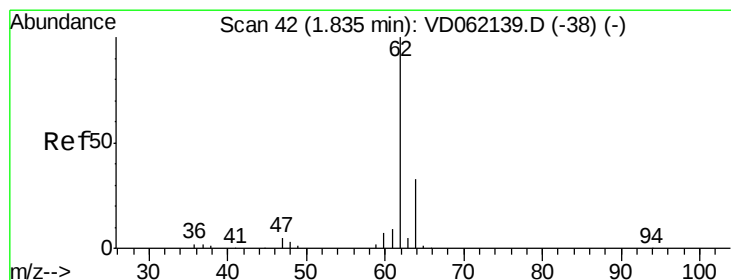
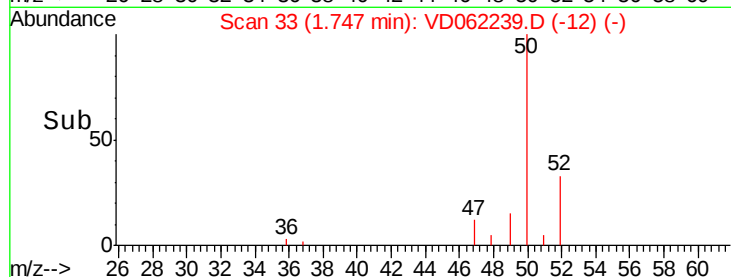
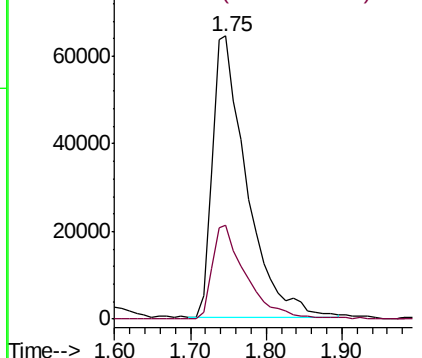
50 100

52 33.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.061 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062239.D

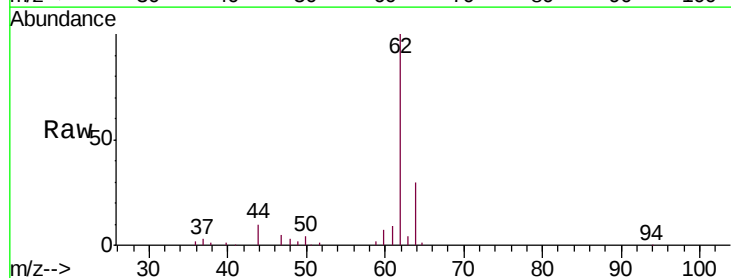
Acq: 11 May 2019 16:03

Tgt Ion: 62 Resp: 204729

Ion Ratio Lower Upper

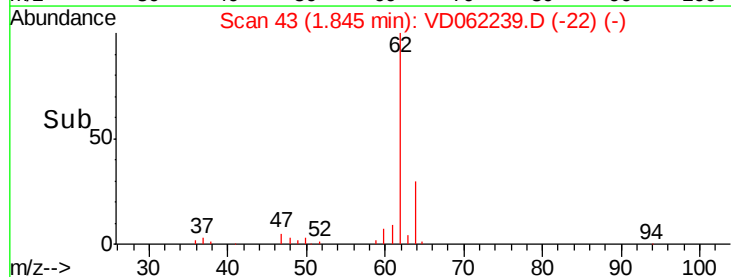
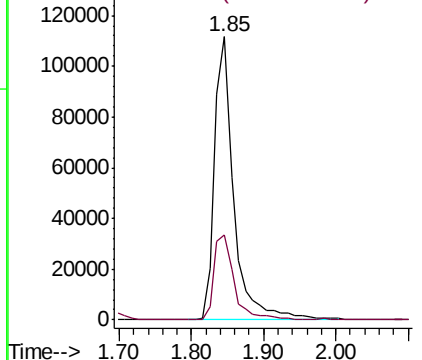
62 100

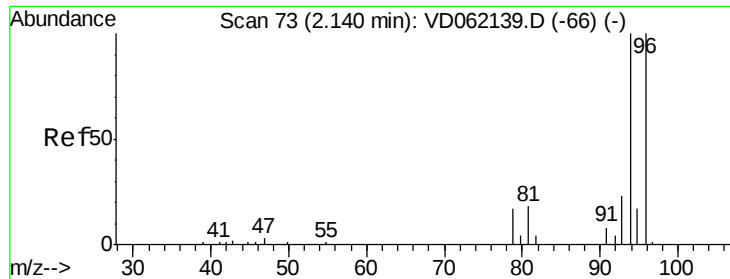
64 29.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 102.760 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062239.D

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ClientSampleId :

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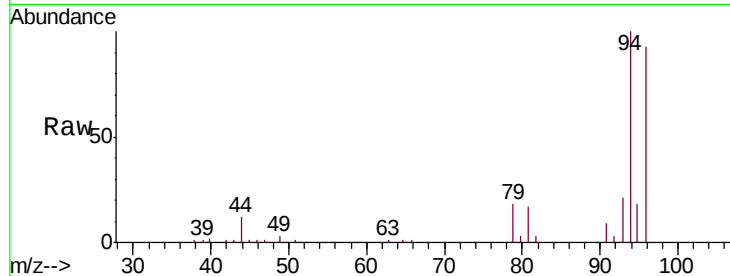
Tgt Ion: 94 Resp: 91185

Ion Ratio Lower Upper

94 100

96 93.3 76.6 115.0

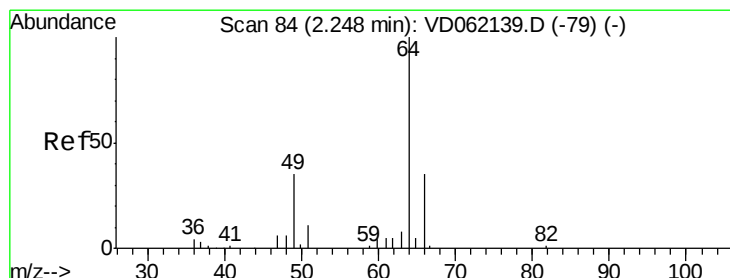
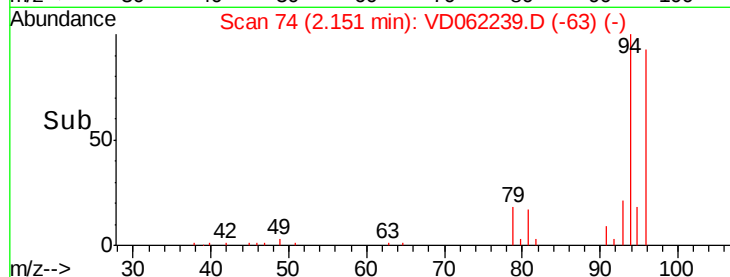
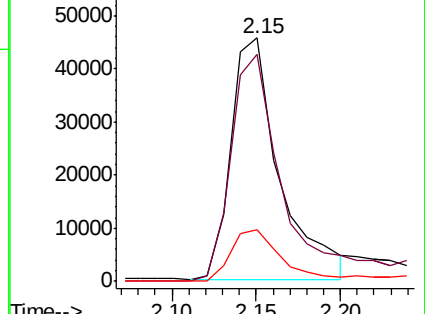
93 21.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 63.428 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062239.D

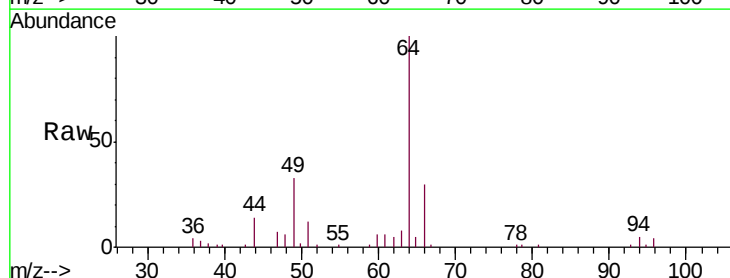
Acq: 11 May 2019 16:03

Tgt Ion: 64 Resp: 100792

Ion Ratio Lower Upper

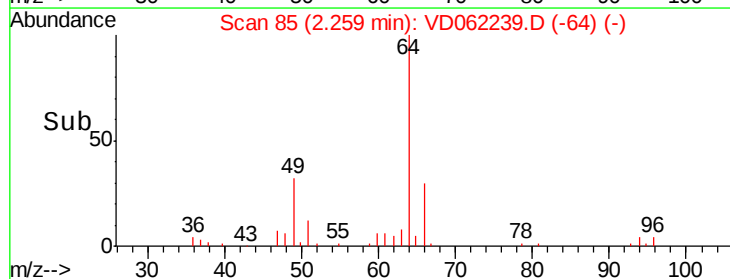
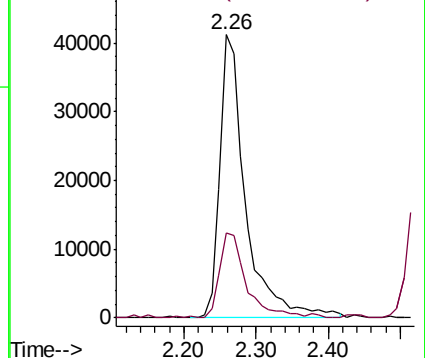
64 100

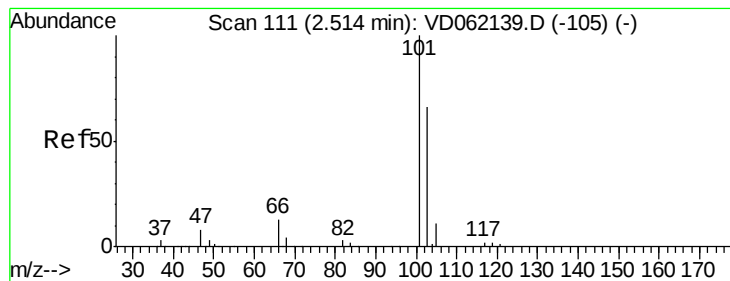
66 29.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



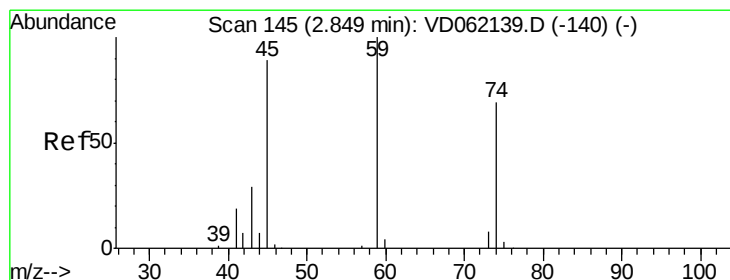
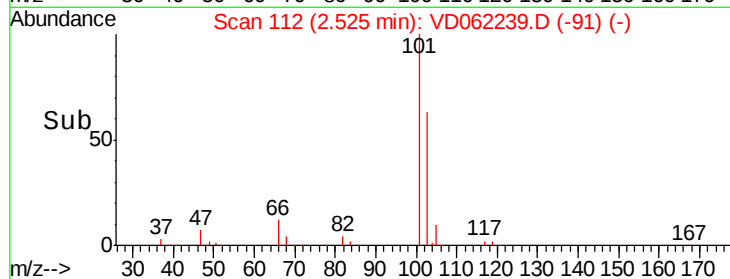
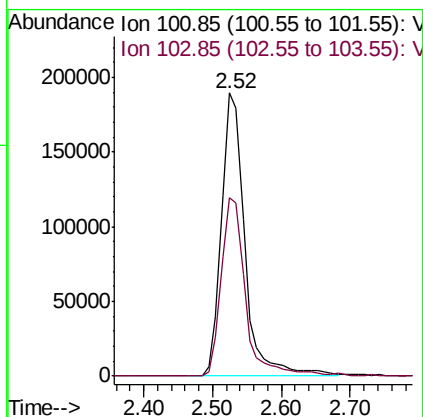
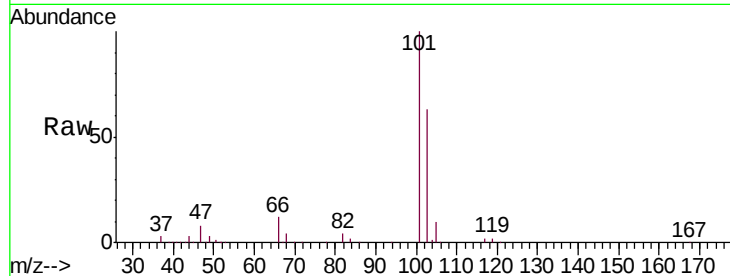


#7

Trichlorofluoromethane
Concen: 60.999 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

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ClientSampleId :
P026-SS006-0002-01MSD

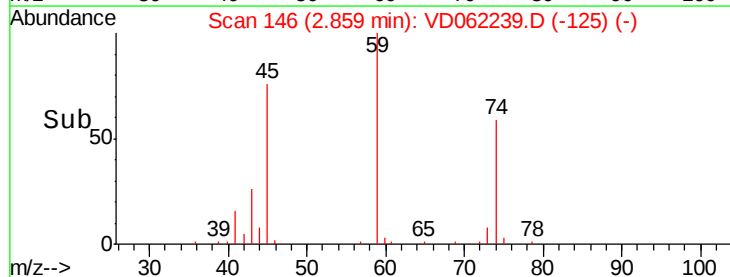
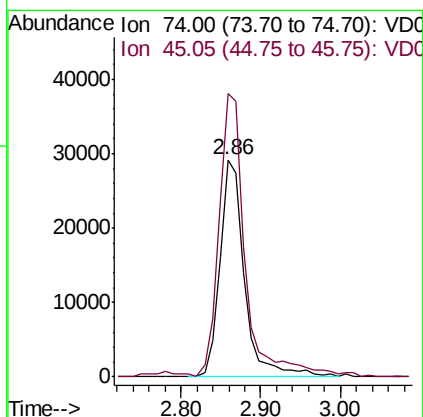
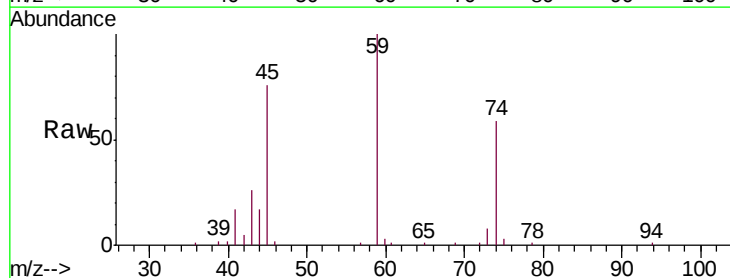
Tgt Ion: 101 Resp: 449107
Ion Ratio Lower Upper
101 100
103 63.2 53.6 80.4

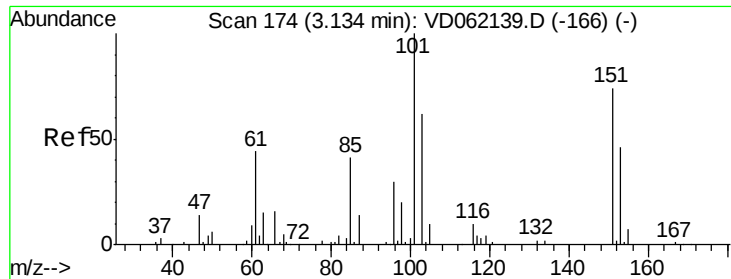


#8

Diethyl Ether
Concen: 44.683 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 74 Resp: 63447
Ion Ratio Lower Upper
74 100
45 130.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.906 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

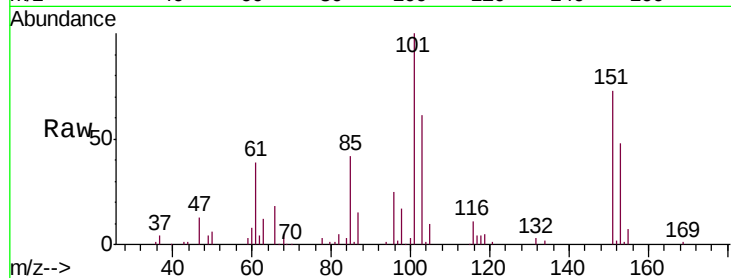
Tgt Ion:101 Resp: 289087

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

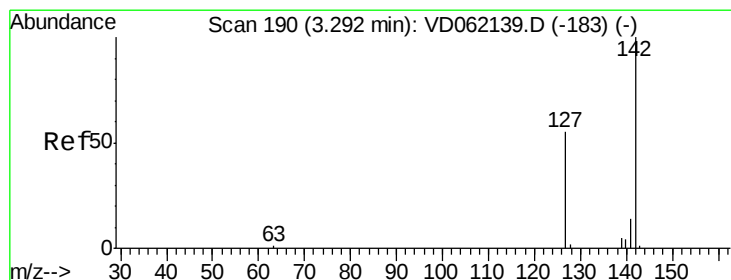
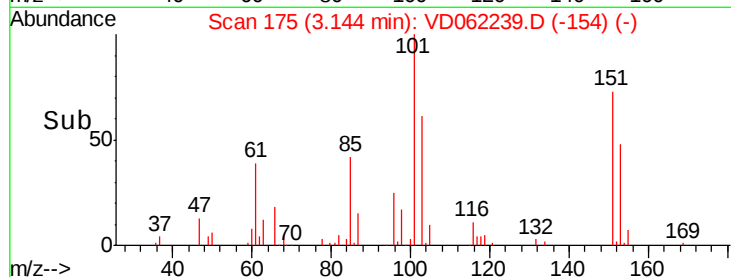
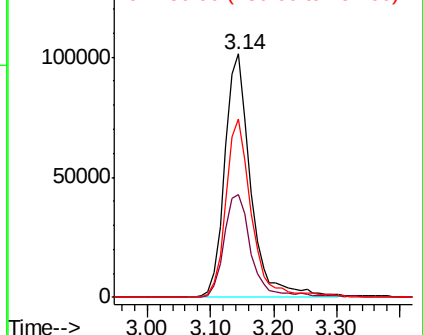
151 73.3 59.4 89.0



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: 43.370 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

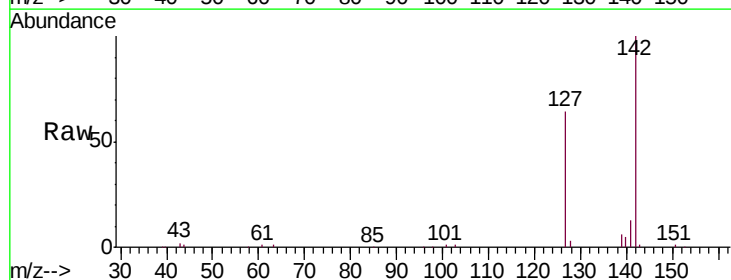
Tgt Ion:142 Resp: 365072

Ion Ratio Lower Upper

142 100

127 63.6 38.8 58.2#

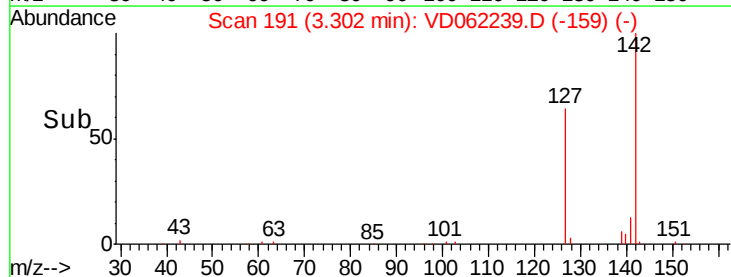
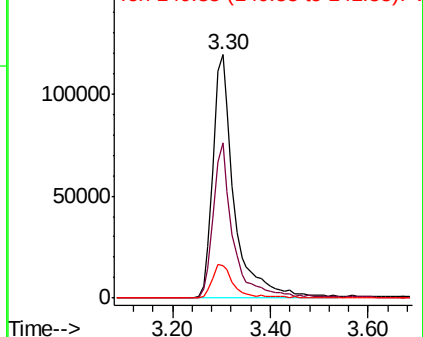
141 13.4 11.4 17.0

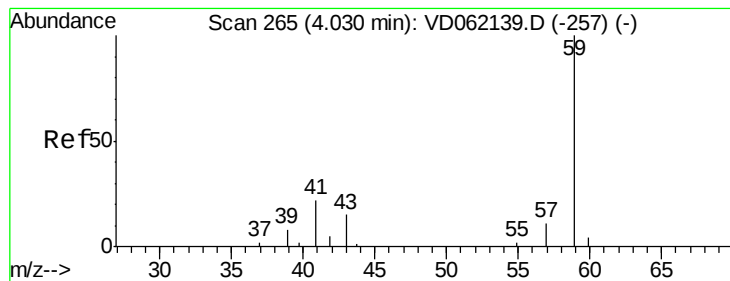


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



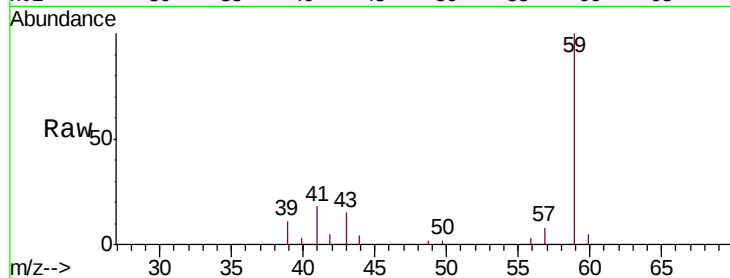


#11

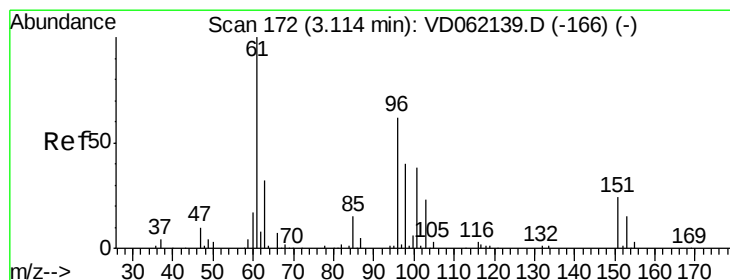
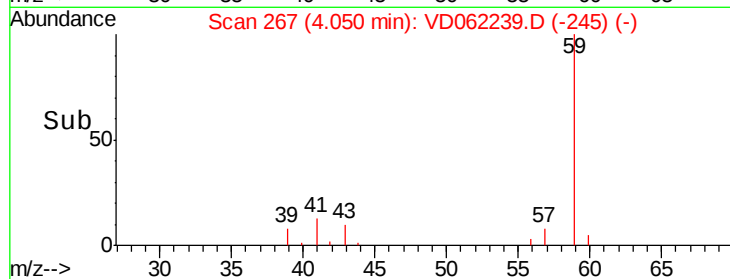
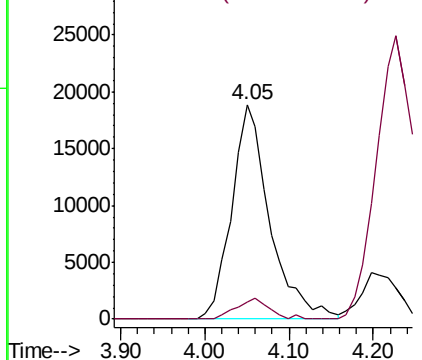
Tert butyl alcohol
 Concen: 224.725 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion: 59 Resp: 59439
 Ion Ratio Lower Upper
 59 100
 57 7.8 6.9 10.3



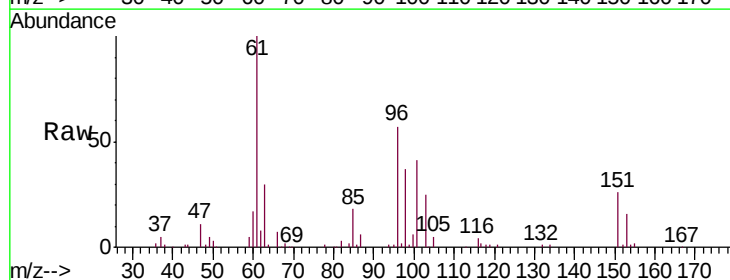
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



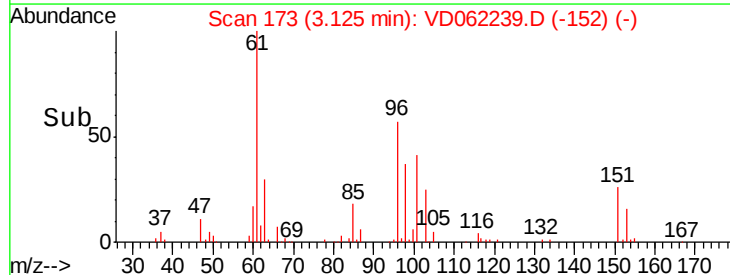
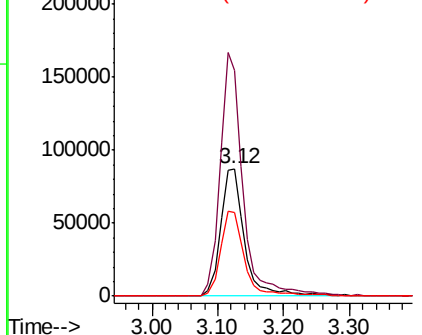
#12

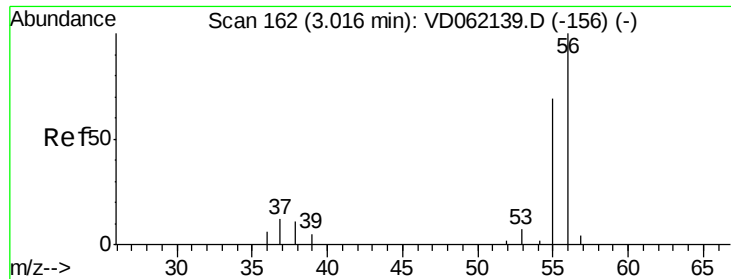
1,1-Dichloroethene
 Concen: 51.938 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 96 Resp: 220812
 Ion Ratio Lower Upper
 96 100
 61 176.7 129.8 194.8
 98 66.0 51.2 76.8



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





#13

Acrolein

Concen: 11.683 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

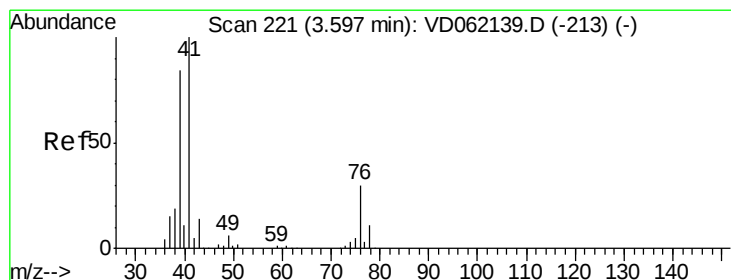
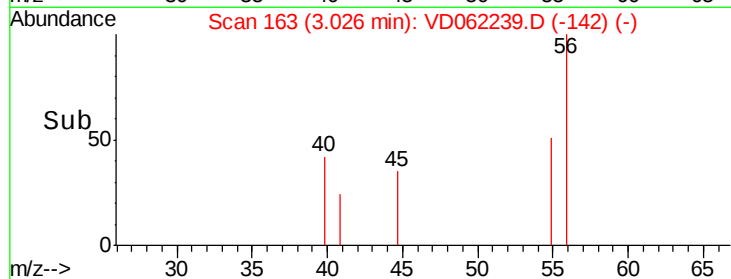
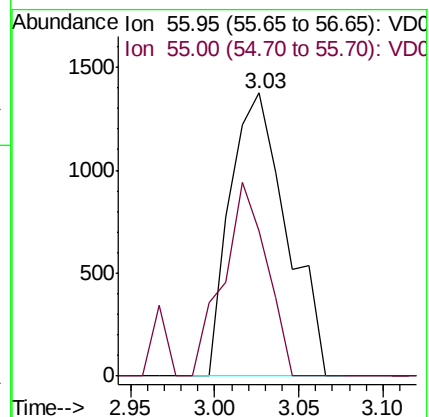
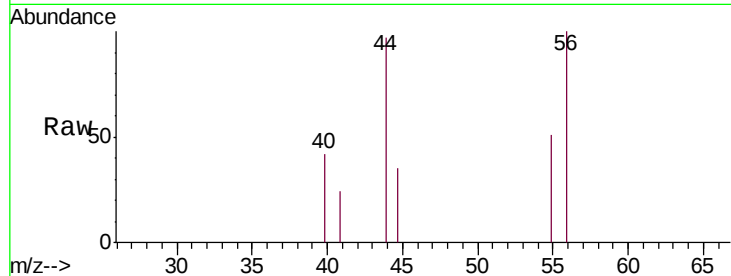
P026-SS006-0002-01MSD

Tgt Ion: 56 Resp: 3196

Ion Ratio Lower Upper

56 100

55 51.5 51.4 77.2



#14

Allyl chloride

Concen: 51.363 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

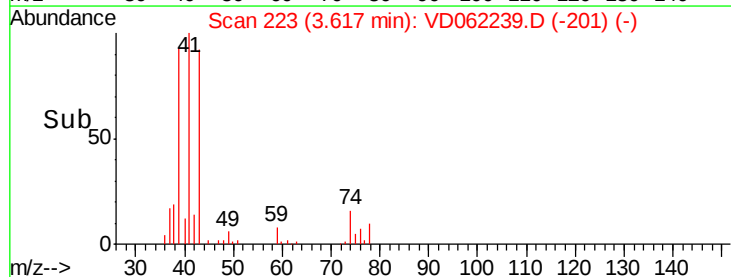
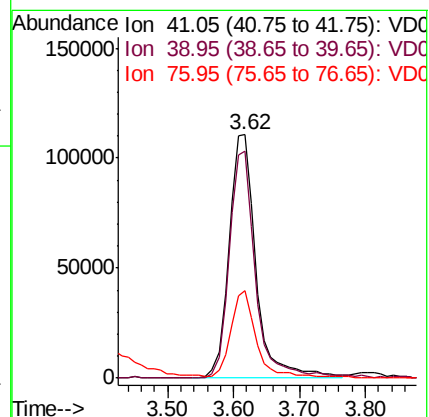
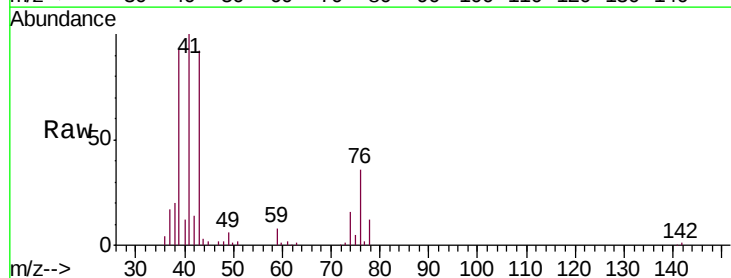
Tgt Ion: 41 Resp: 317507

Ion Ratio Lower Upper

41 100

39 93.1 60.5 90.7#

76 35.8 31.8 47.8

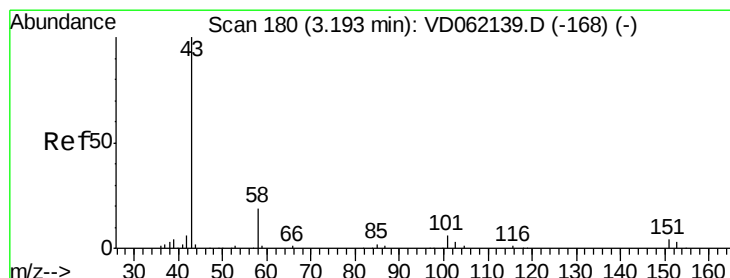
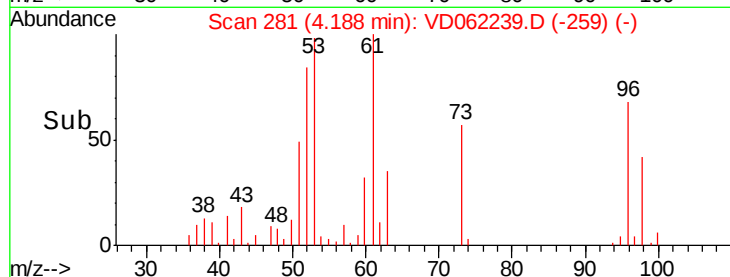
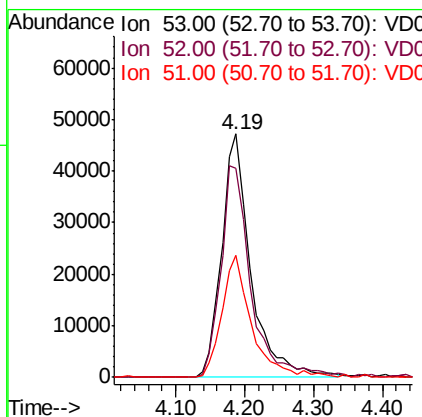
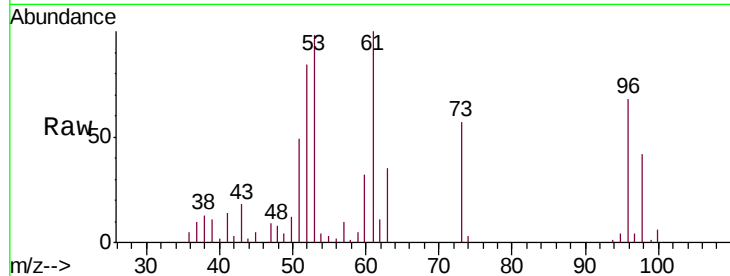




#15
 Acrylonitrile
 Concen: 199.759 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

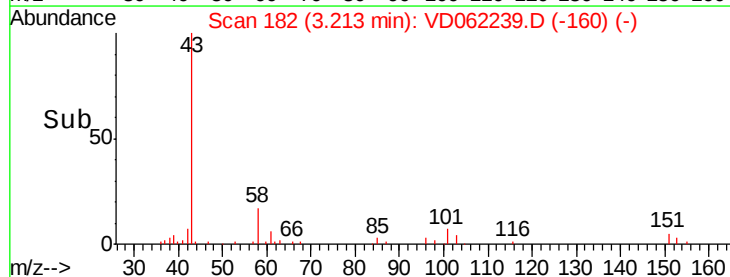
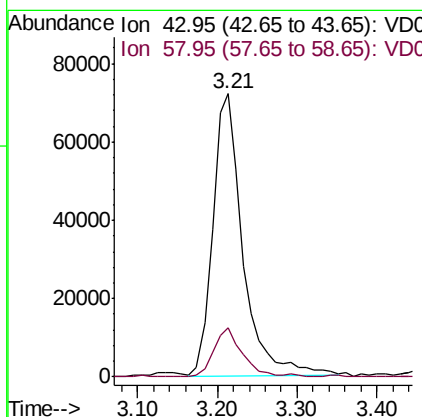
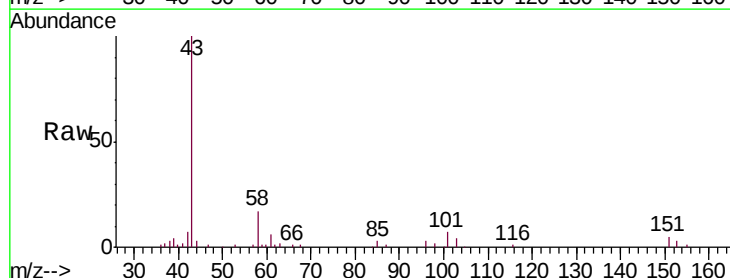
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

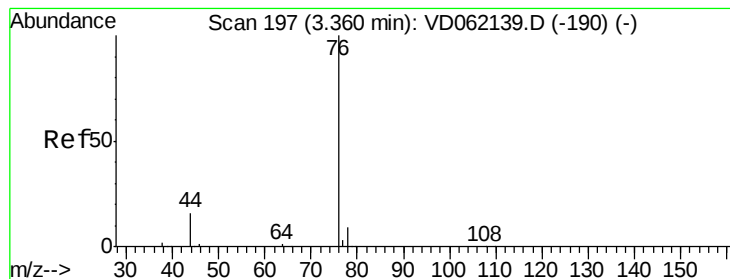
Tgt Ion: 53 Resp: 138876
 Ion Ratio Lower Upper
 53 100
 52 85.7 65.0 97.4
 51 49.9 32.6 48.8#



#16
 Acetone
 Concen: 173.581 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 43 Resp: 188623
 Ion Ratio Lower Upper
 43 100
 58 17.4 19.9 29.9#





#17

Carbon Disulfide

Concen: 36.220 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

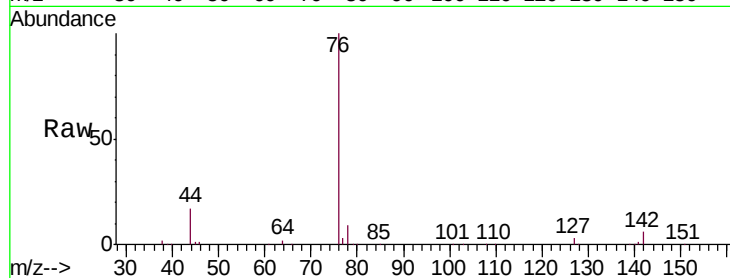
P026-SS006-0002-01MSD

Tgt Ion: 76 Resp: 442976

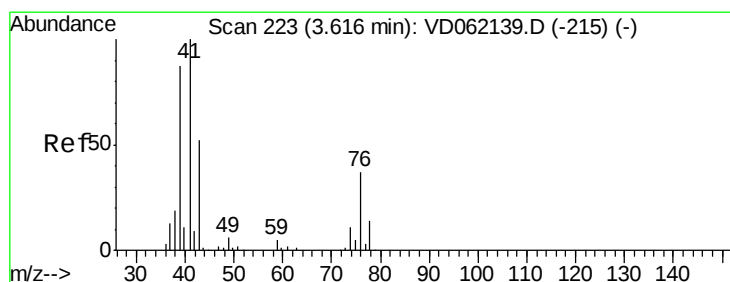
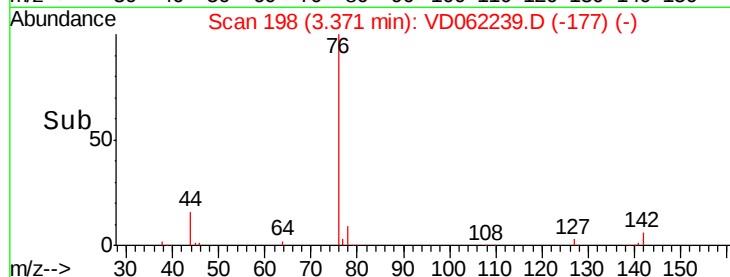
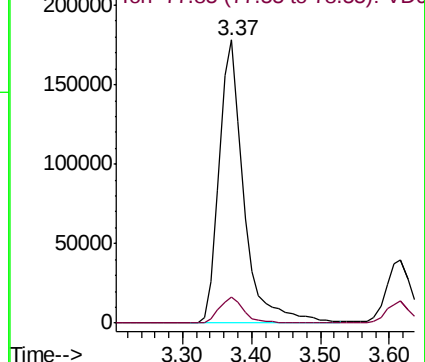
Ion Ratio Lower Upper

76 100

78 9.1 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: 187.076 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062239.D

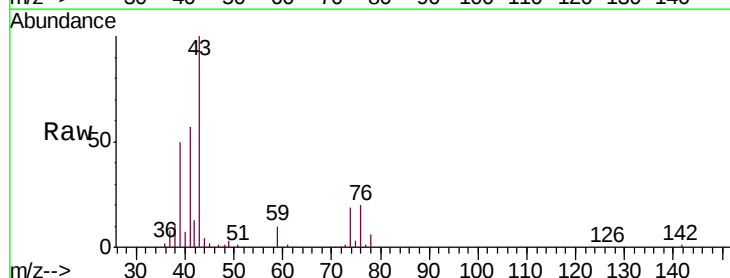
Acq: 11 May 2019 16:03

Tgt Ion: 43 Resp: 361960

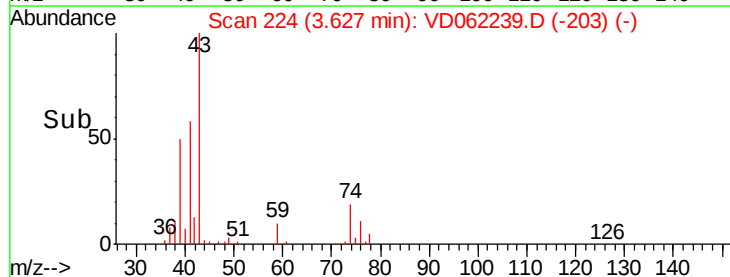
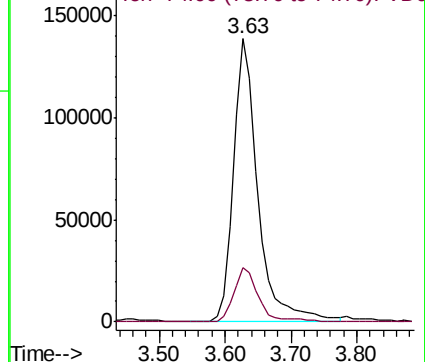
Ion Ratio Lower Upper

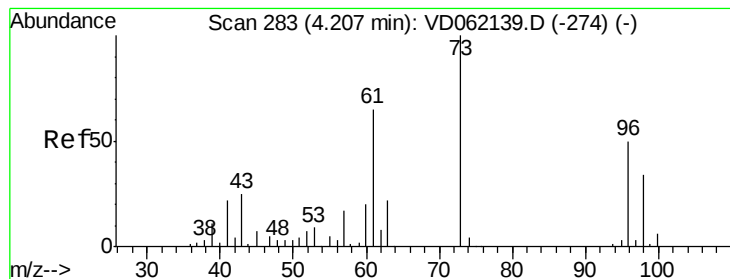
43 100

74 19.3 18.0 27.0



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



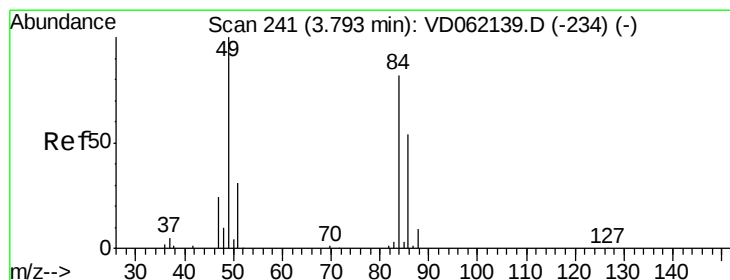
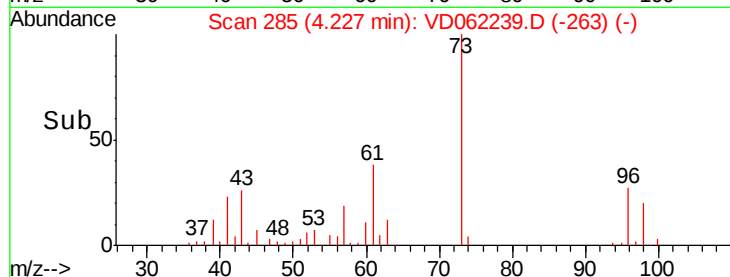
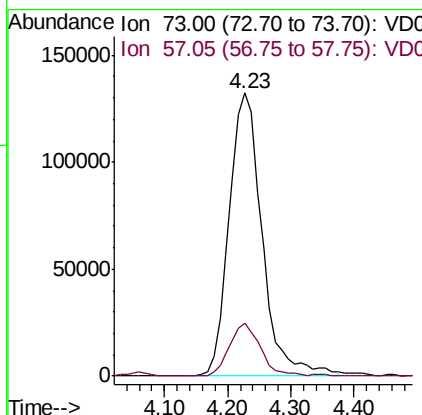
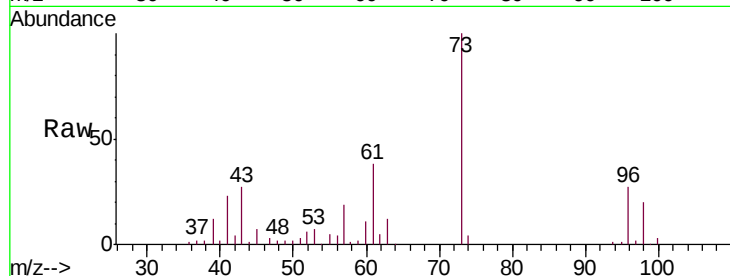


#19

Methyl tert-butyl Ether
 Concen: 52.425 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

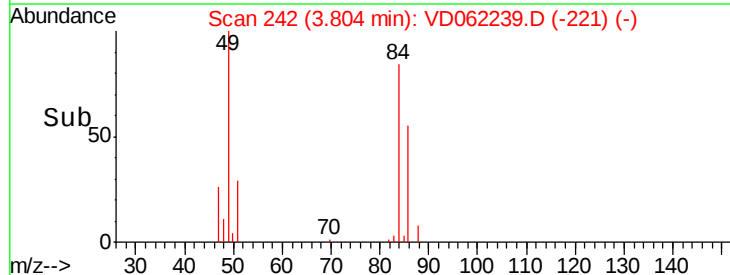
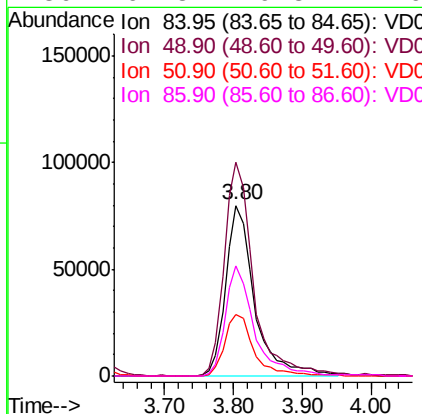
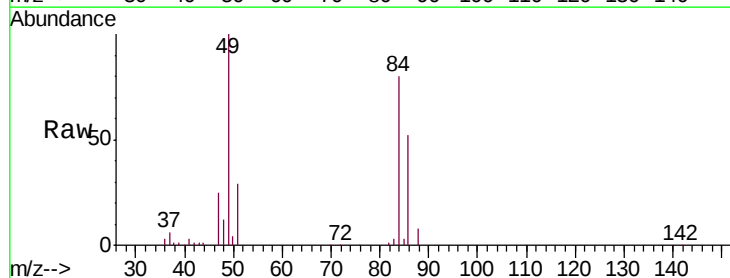
Tgt Ion: 73 Resp: 477737
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.3 24.5



#20

Methylene Chloride
 Concen: 51.333 ug/l
 RT: 3.80 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 84 Resp: 232908
 Ion Ratio Lower Upper
 84 100
 49 125.2 94.0 141.0
 51 35.8 29.0 43.4
 86 64.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 41.752 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

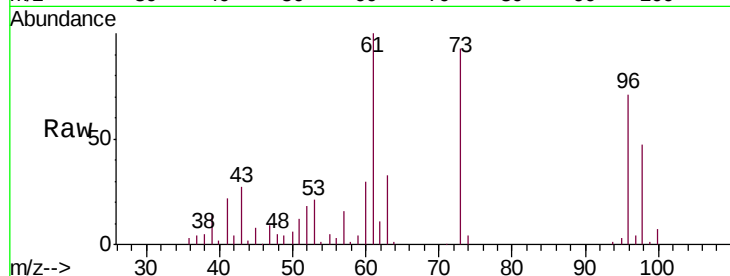
Tgt Ion: 96 Resp: 197525

Ion Ratio Lower Upper

96 100

61 140.3 104.4 156.6

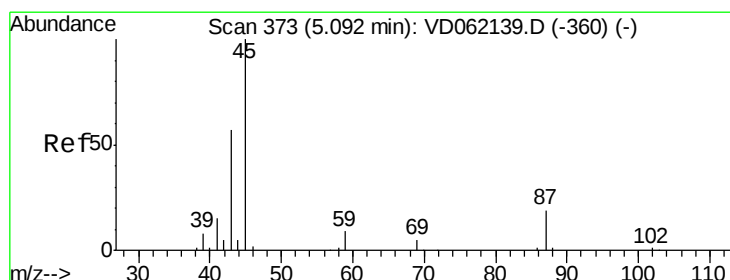
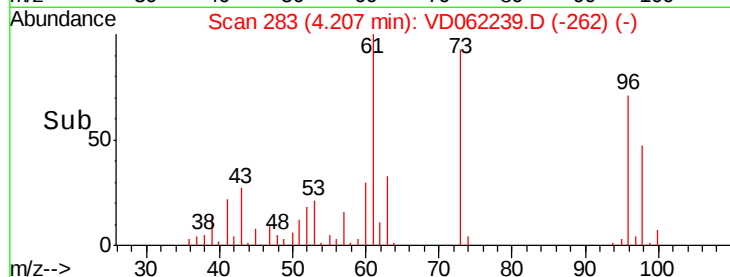
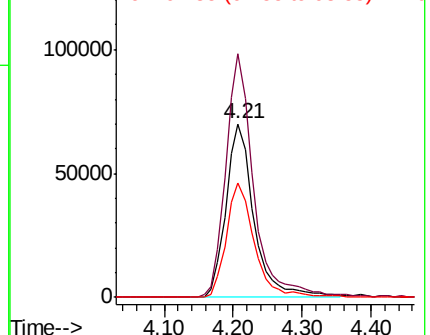
98 66.0 51.8 77.8



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: 56.467 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Tgt Ion: 45 Resp: 742794

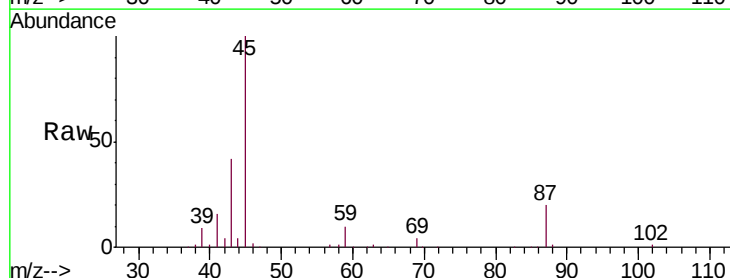
Ion Ratio Lower Upper

45 100

43 41.9 46.2 69.2#

87 19.8 15.9 23.9

59 10.0 7.9 11.9

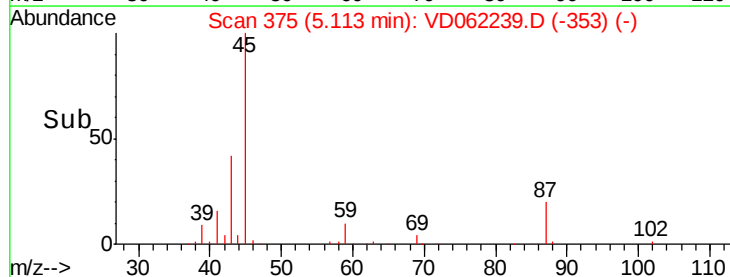
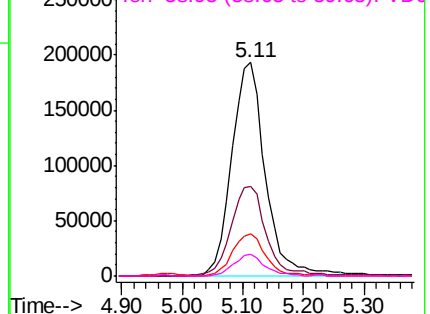


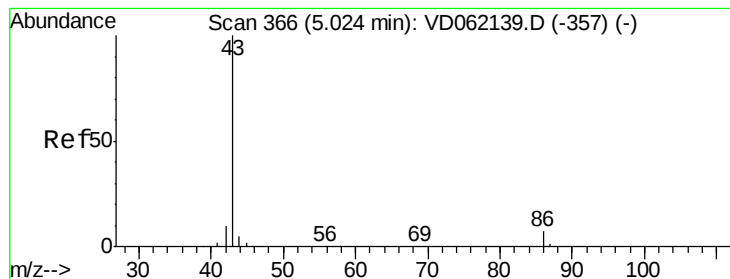
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 45.836 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.09 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

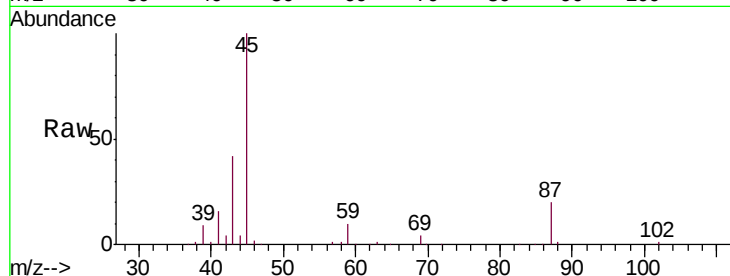
P026-SS006-0002-01MSD

Tgt Ion: 43 Resp: 318120

Ion Ratio Lower Upper

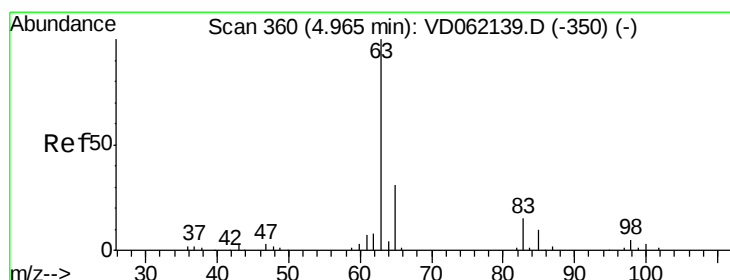
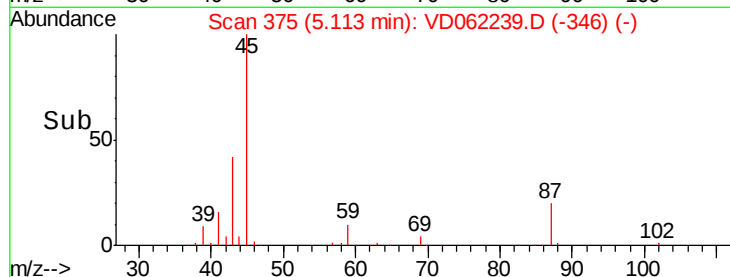
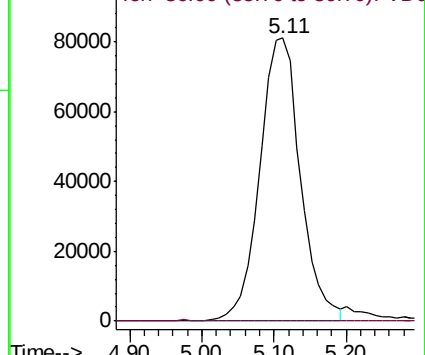
43 100

86 0.4 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: 56.422 ug/l

RT: 4.97 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

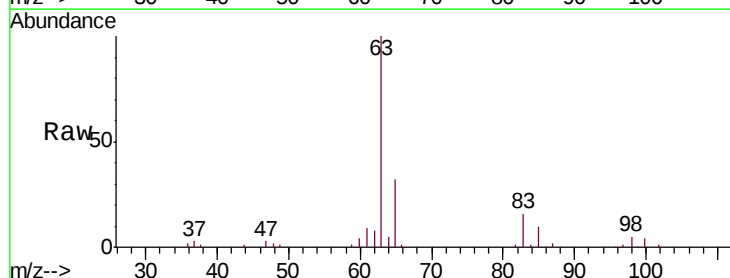
Tgt Ion: 63 Resp: 447737

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

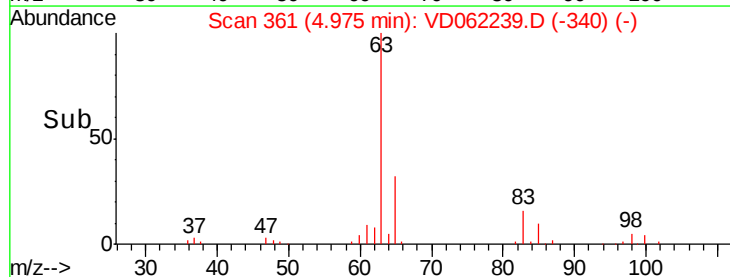
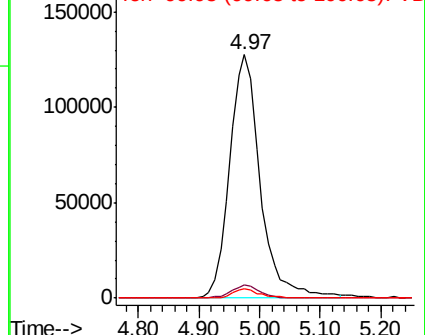
100 3.9 1.8 5.5



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

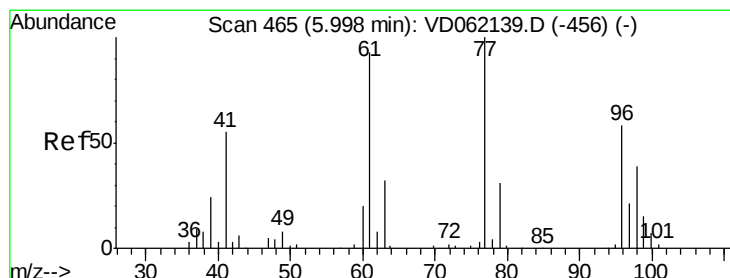
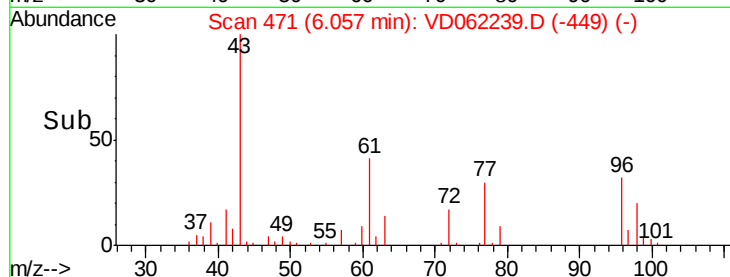
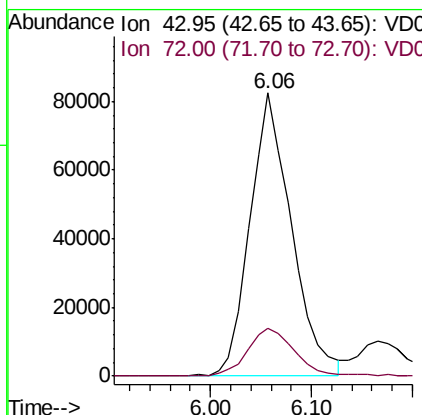
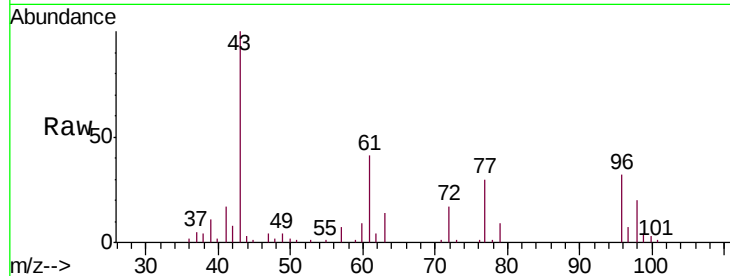




#25
2-Butanone
Concen: 199.409 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

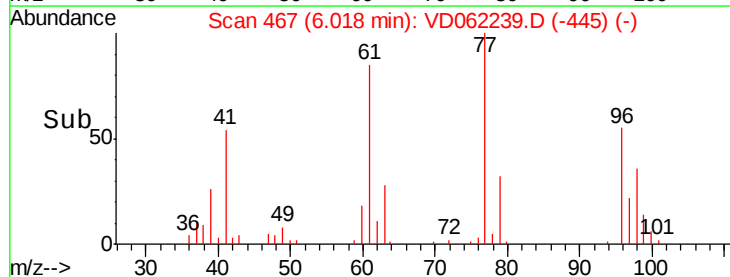
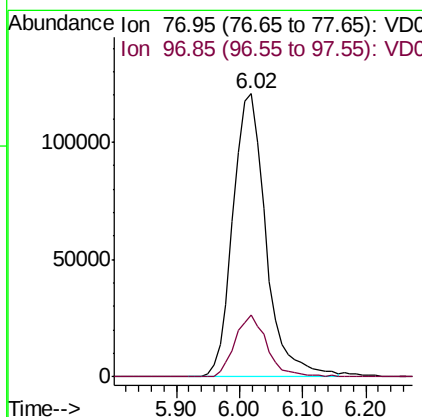
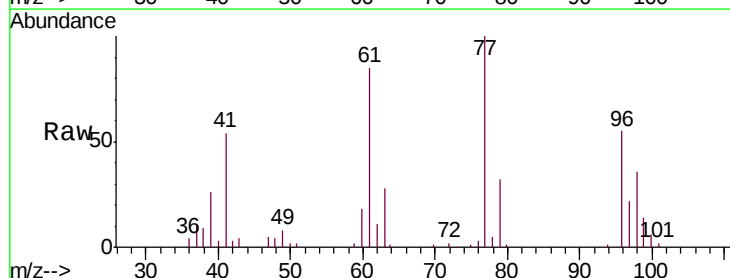
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

Tgt Ion: 43 Resp: 236355
Ion Ratio Lower Upper
43 100
72 16.9 16.2 24.4



#26
2,2-Dichloropropane
Concen: 55.456 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 77 Resp: 438365
Ion Ratio Lower Upper
77 100
97 21.7 11.9 35.9



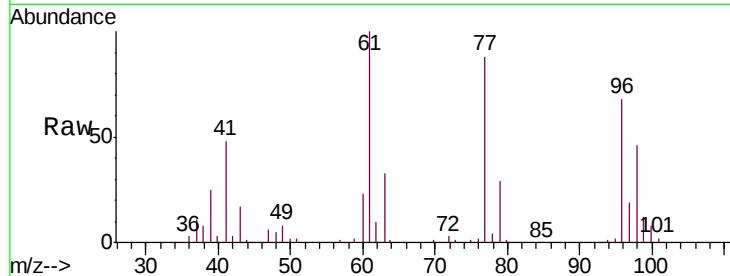


#27

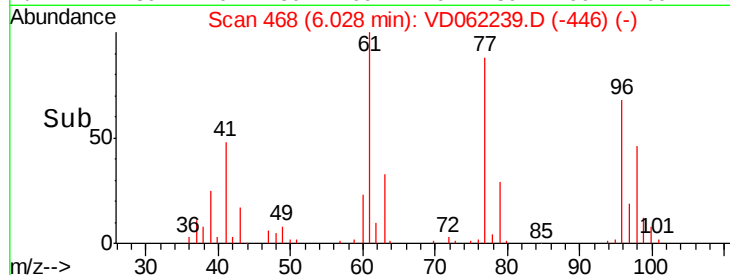
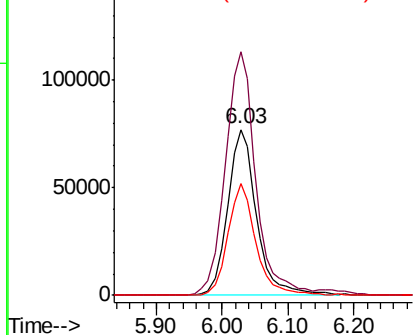
cis-1,2-Dichloroethene
 Concen: 44.514 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion: 96 Resp: 235722
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 279.8
 98 67.7 0.0 136.0



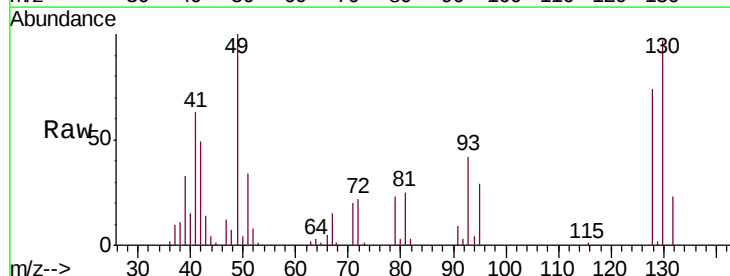
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



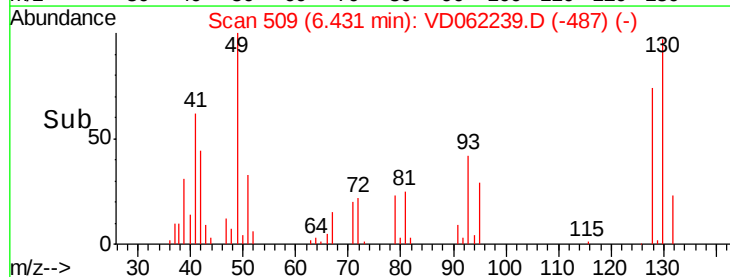
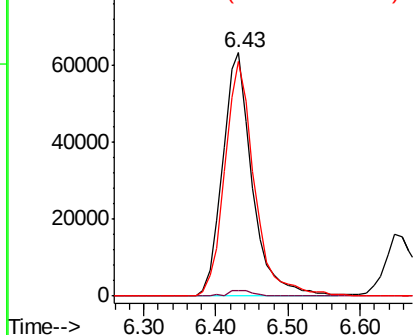
#28

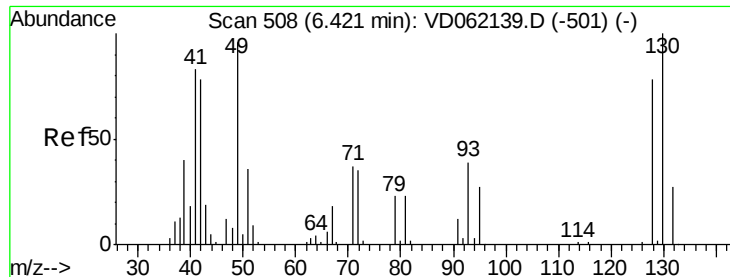
Bromochloromethane
 Concen: 57.804 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 49 Resp: 180470
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 6.6
 130 96.6 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

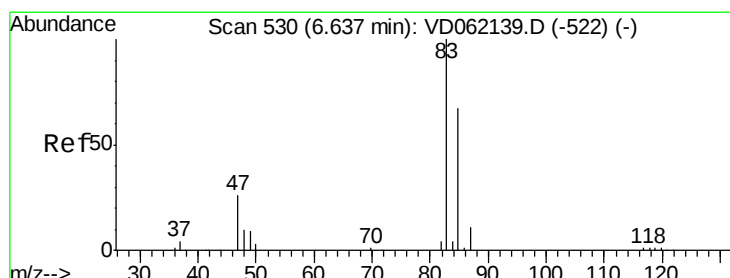
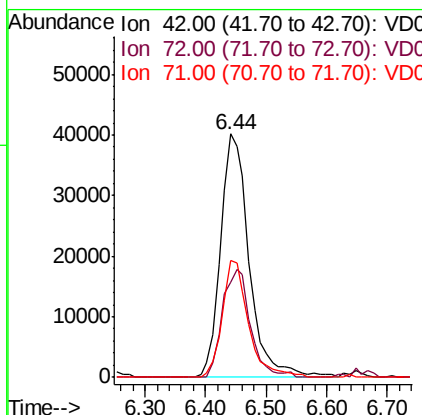
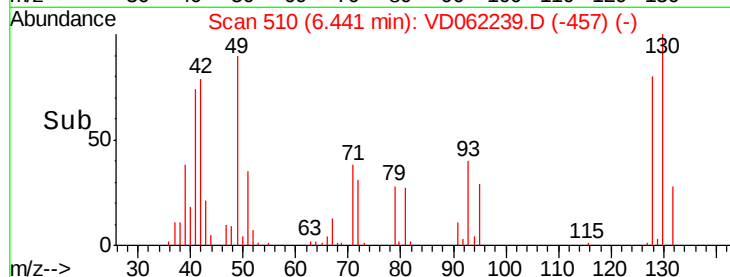
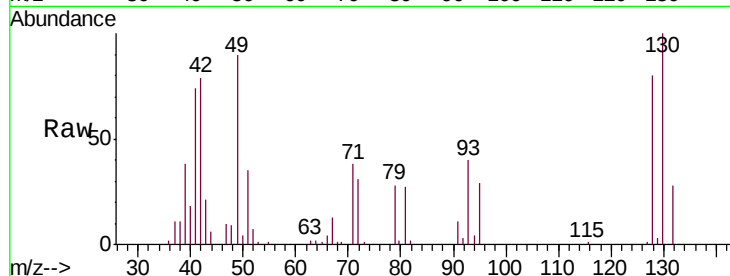




#29
Tetrahydrofuran
Concen: 240.507 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

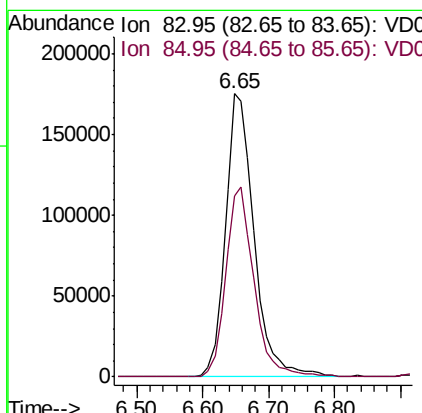
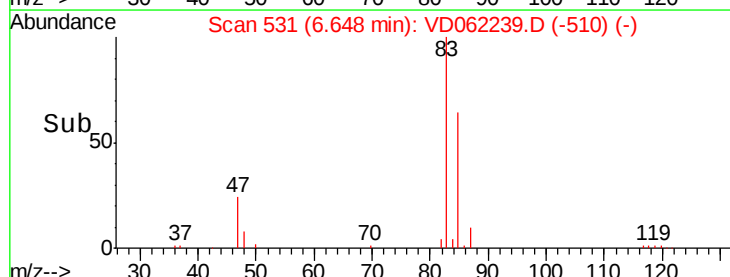
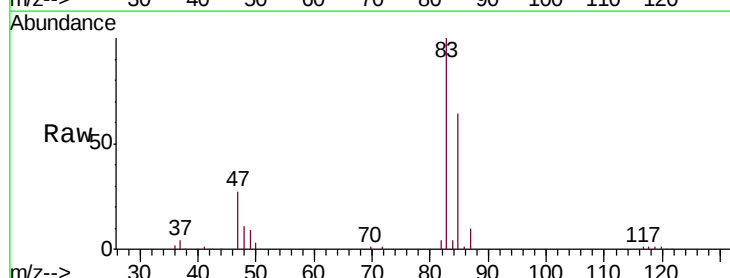
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

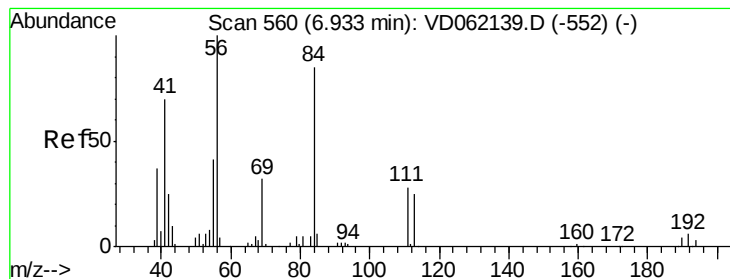
Tgt Ion: 42 Resp: 131348
Ion Ratio Lower Upper
42 100
72 43.6 37.8 56.6
71 44.0 36.7 55.1



#30
Chloroform
Concen: 55.572 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 83 Resp: 531479
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5





#31

Cyclohexane

Concen: 44.162 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

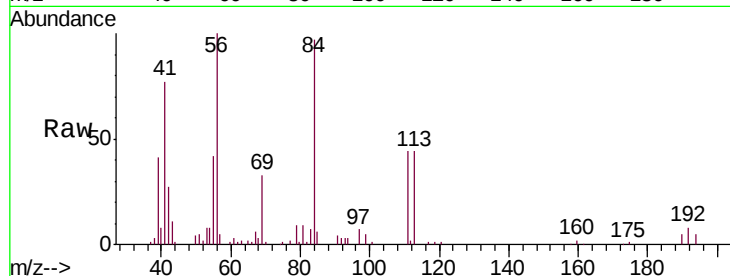
Tgt Ion: 56 Resp: 240096

Ion Ratio Lower Upper

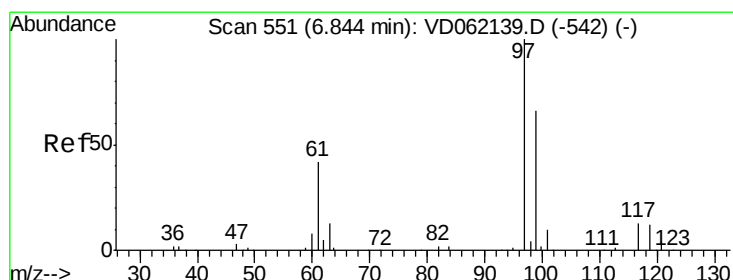
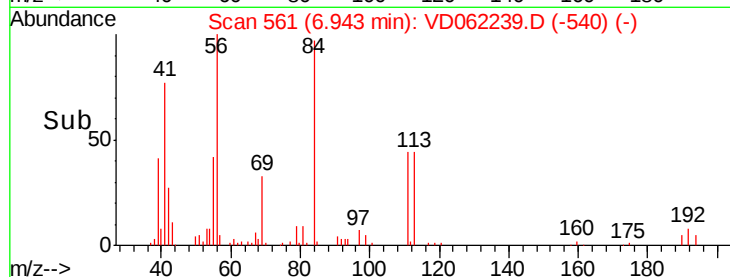
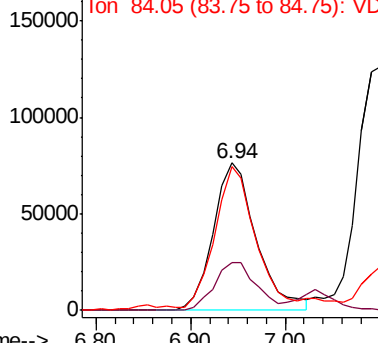
56 100

69 32.7 25.8 38.6

84 97.4 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: 59.775 ug/l

RT: 6.86 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

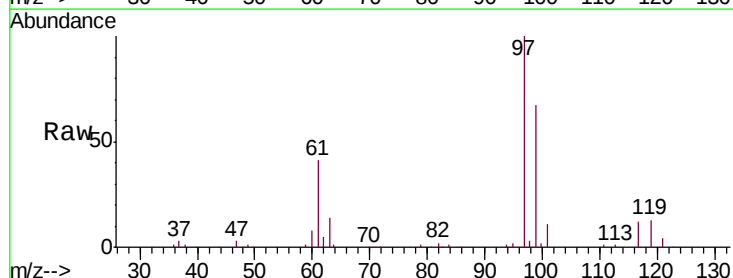
Tgt Ion: 97 Resp: 540334

Ion Ratio Lower Upper

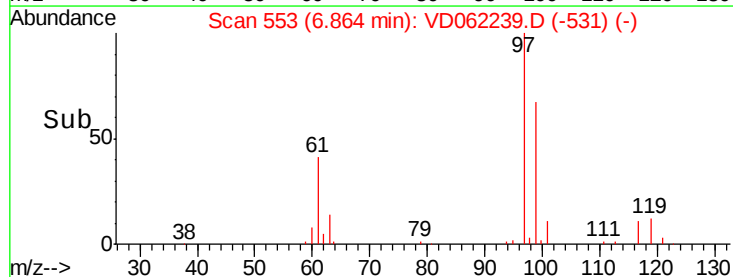
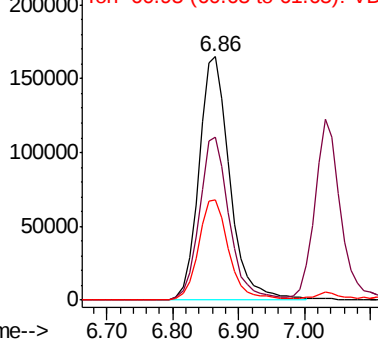
97 100

99 66.7 52.2 78.2

61 41.2 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 43.629 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

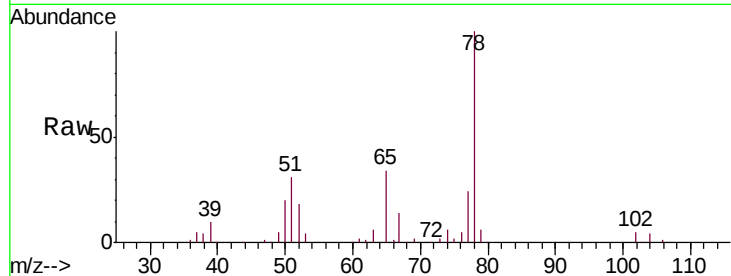
P026-SS006-0002-01MSD

Tgt Ion: 65 Resp: 226071

Ion Ratio Lower Upper

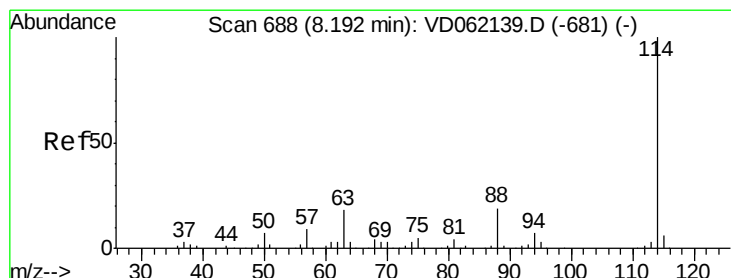
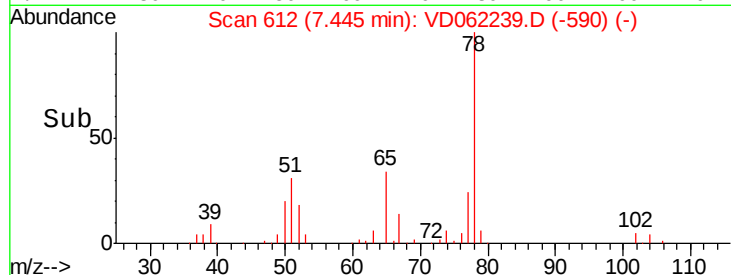
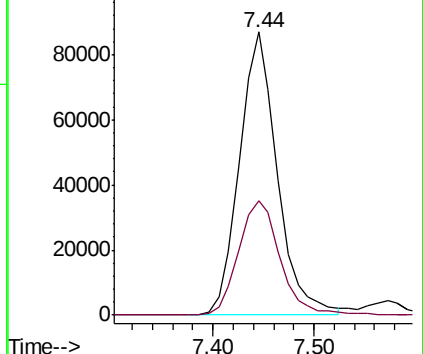
65 100

67 40.5 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# 690

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

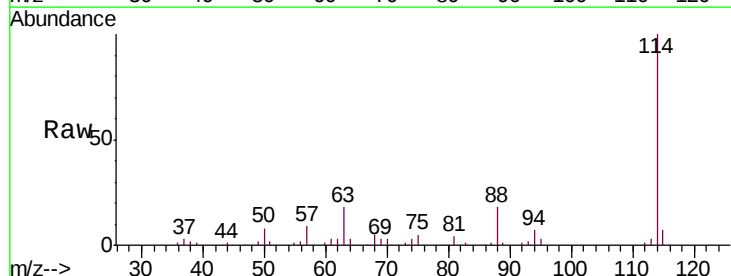
Tgt Ion: 114 Resp: 734411

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

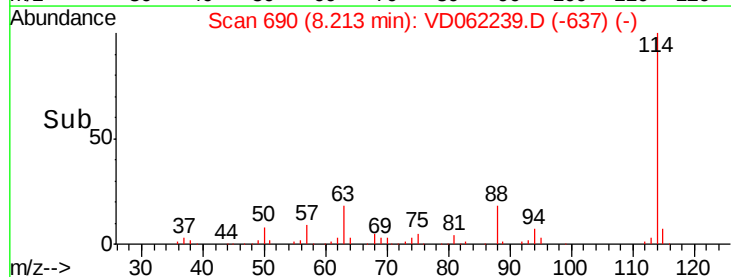
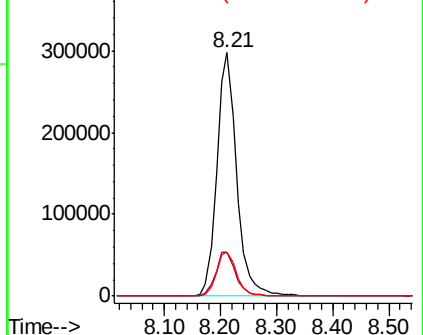
88 18.1 0.0 33.6

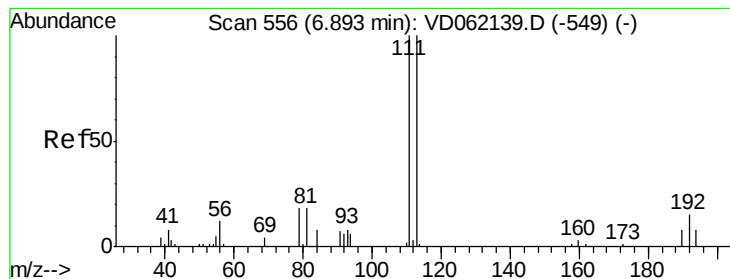


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.211 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

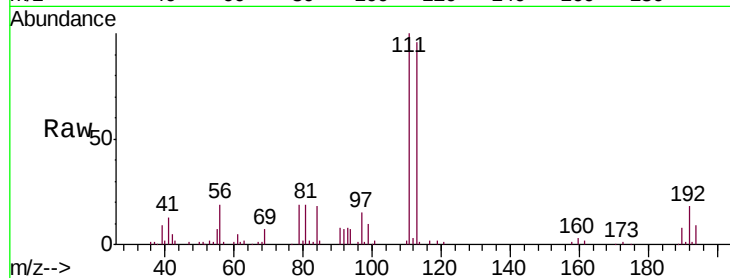
Tgt Ion:113 Resp: 281587

Ion Ratio Lower Upper

113 100

111 103.8 78.5 117.7

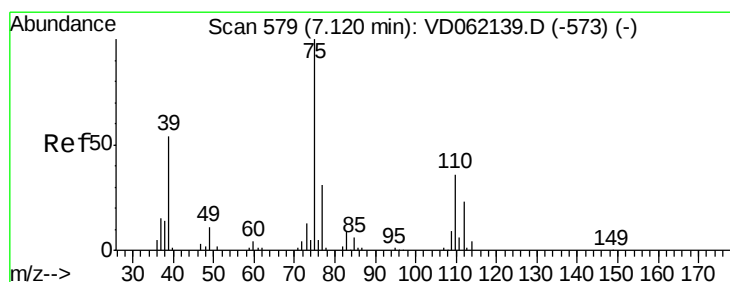
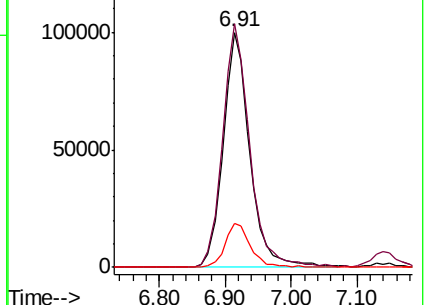
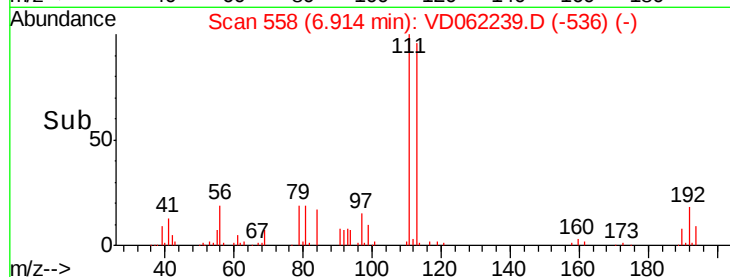
192 18.7 13.0 19.4



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: 45.301 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

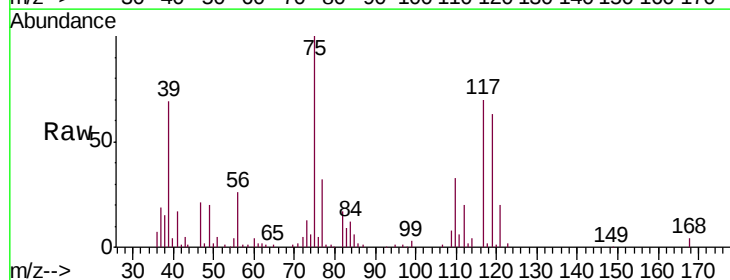
Tgt Ion: 75 Resp: 272777

Ion Ratio Lower Upper

75 100

110 32.8 19.1 57.1

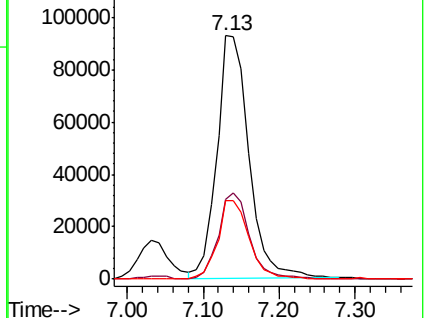
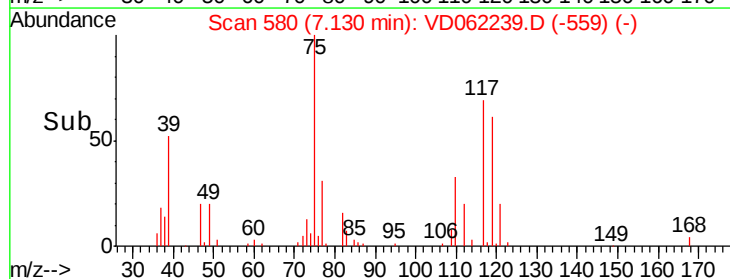
77 32.1 25.6 38.4

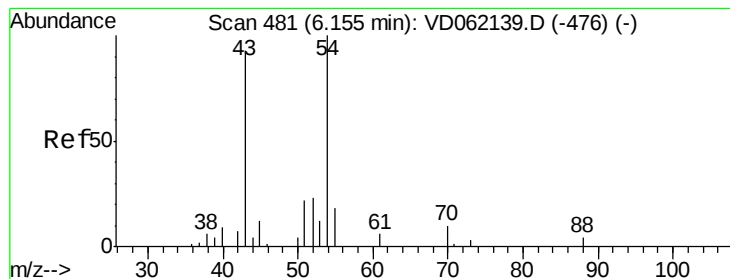


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 15.680 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

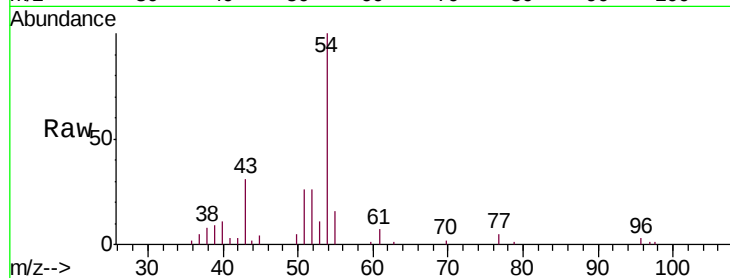
Tgt Ion: 43 Resp: 40041

Ion Ratio Lower Upper

43 100

61 24.4 14.7 22.1#

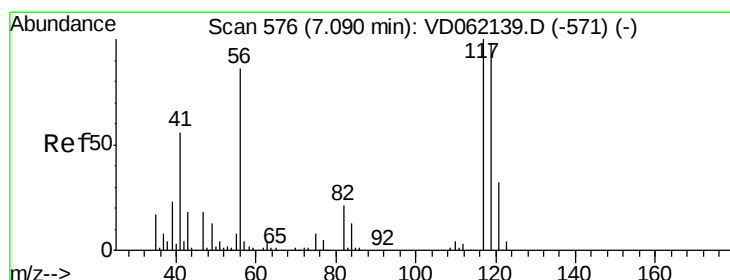
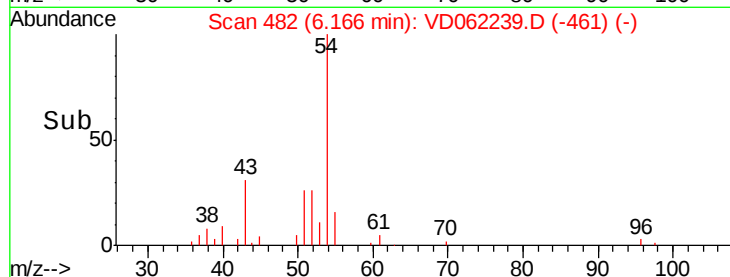
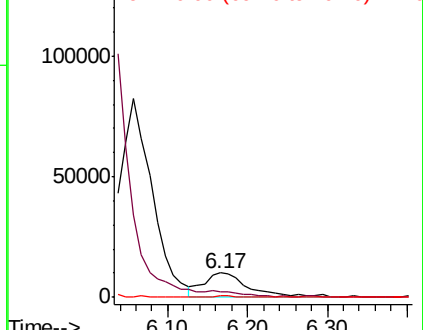
70 6.3 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 59.172 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

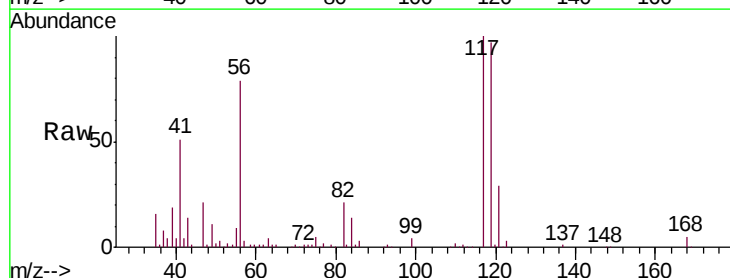
Tgt Ion: 117 Resp: 493158

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.8

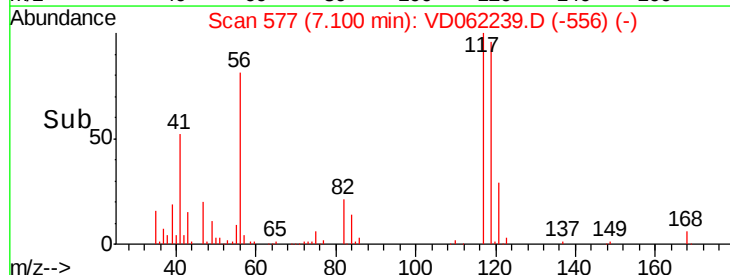
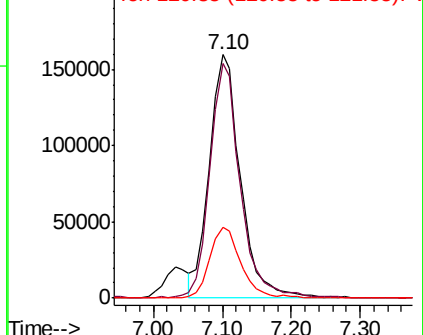
121 29.2 25.9 38.9

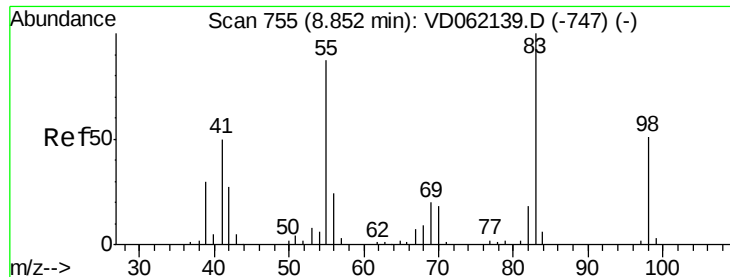


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

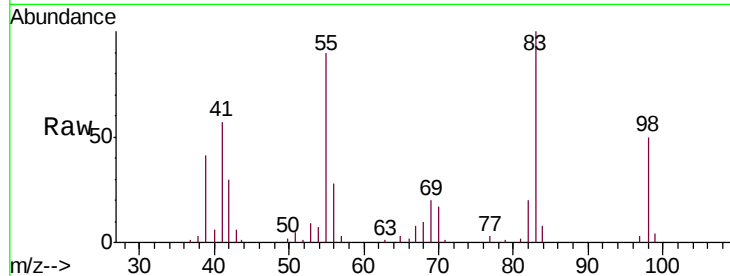




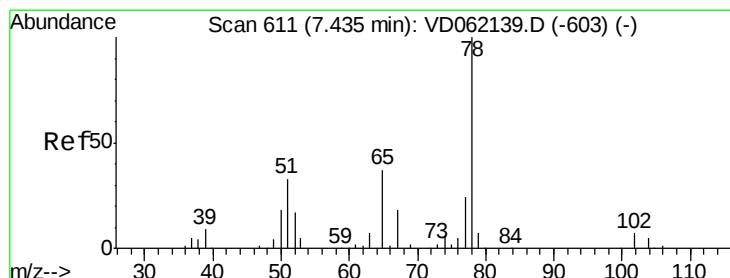
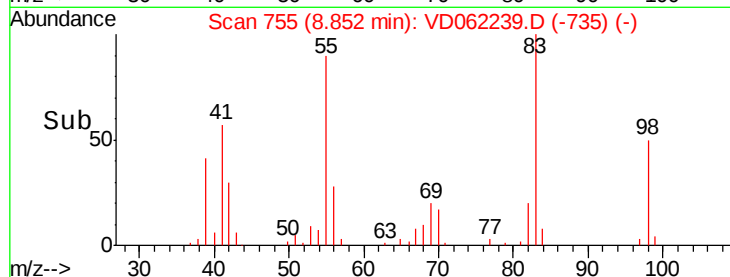
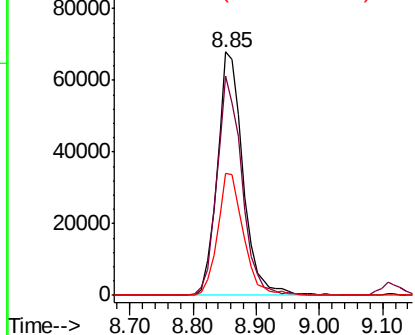
#39
Methylcyclohexane
Concen: 33.403 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

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

Tgt Ion: 83 Resp: 192711
Ion Ratio Lower Upper
83 100
55 90.3 68.2 102.4
98 50.4 38.2 57.4

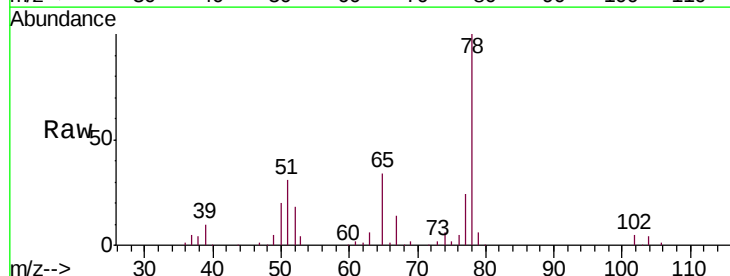


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

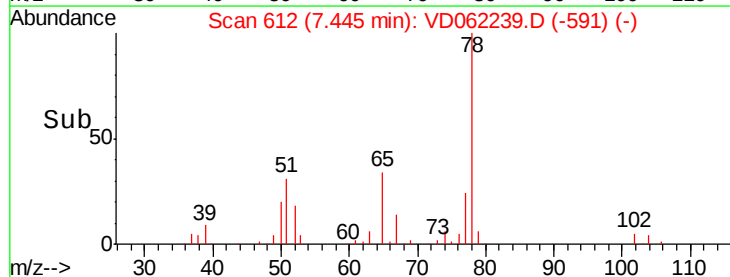
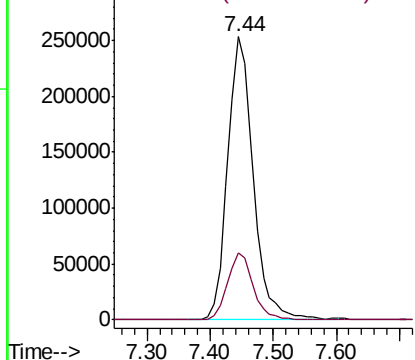


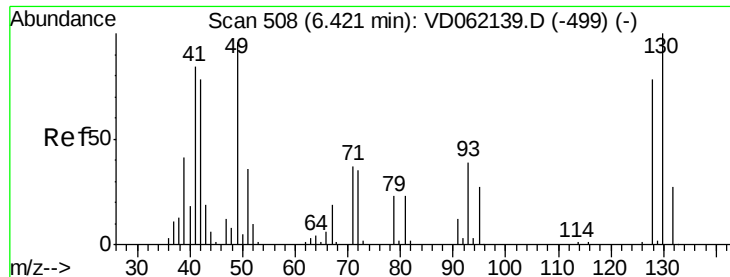
#40
Benzene
Concen: 52.197 ug/l
RT: 7.44 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 78 Resp: 709734
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: 50.874 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

Tgt Ion: 41 Resp: 158761

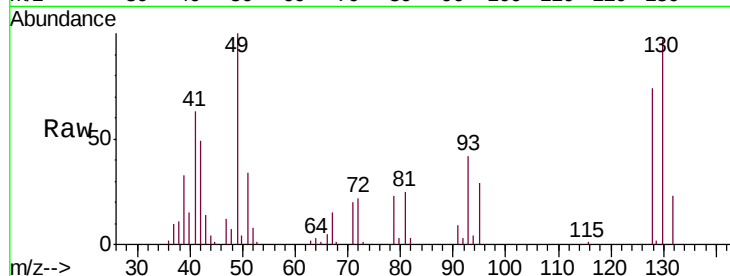
Ion Ratio Lower Upper

41 100

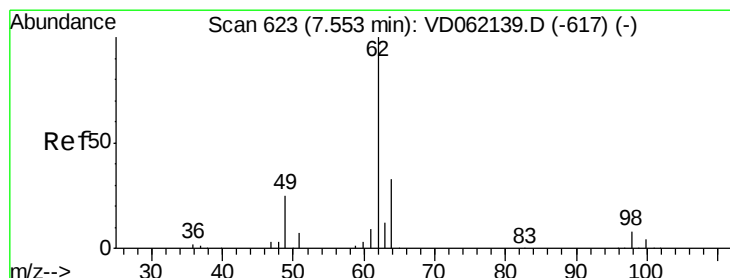
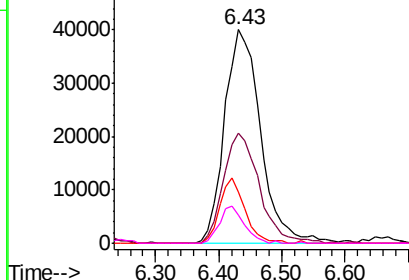
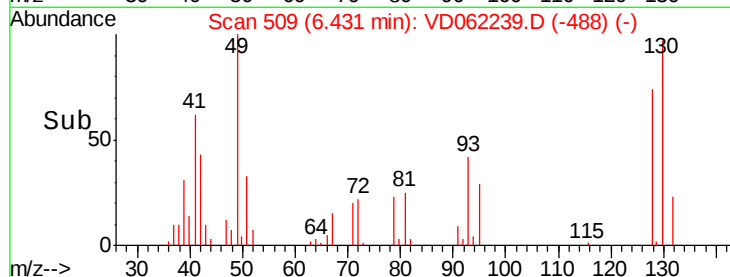
39 51.7 34.1 51.1#

67 24.3 23.8 35.6

52 13.2 8.8 13.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.498 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD062239.D

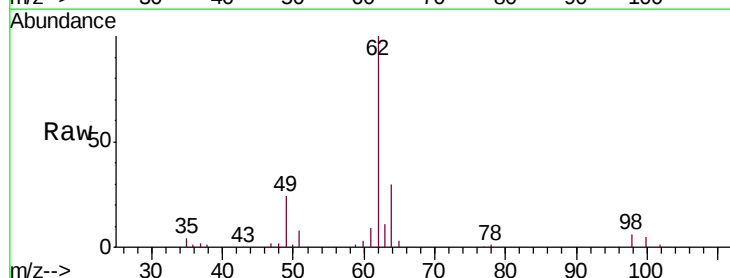
Acq: 11 May 2019 16:03

Tgt Ion: 62 Resp: 331244

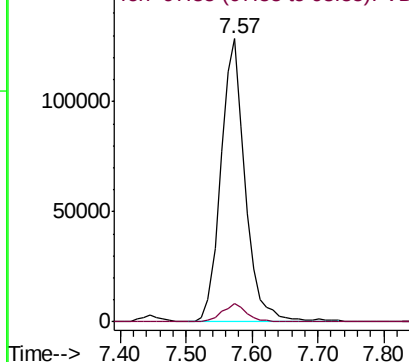
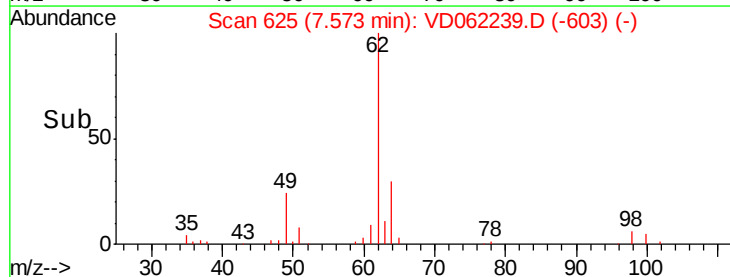
Ion Ratio Lower Upper

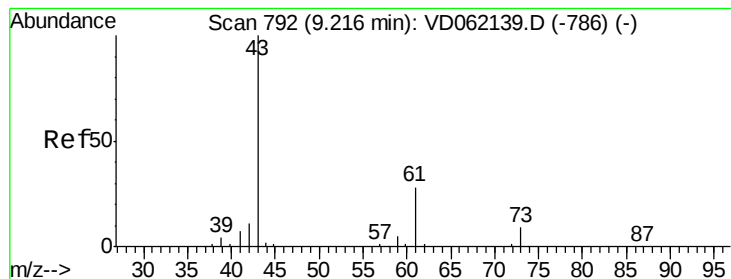
62 100

98 6.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 8.805 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

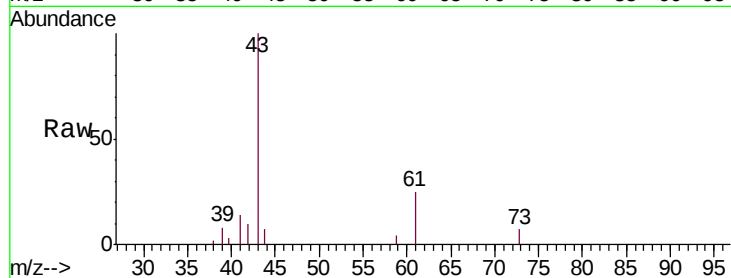
Tgt Ion: 43 Resp: 31889

Ion Ratio Lower Upper

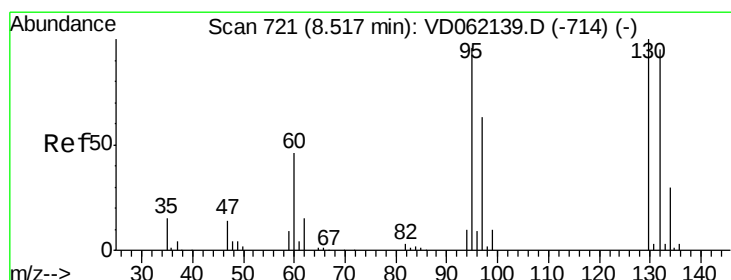
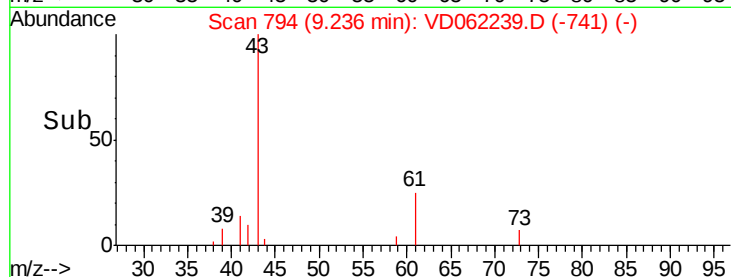
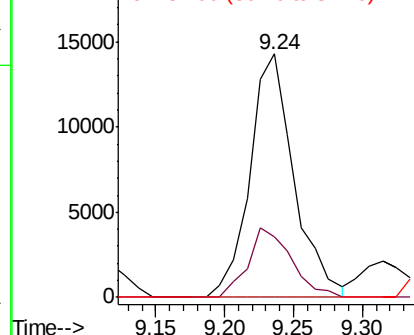
43 100

61 24.9 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: 43.457 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD062239.D

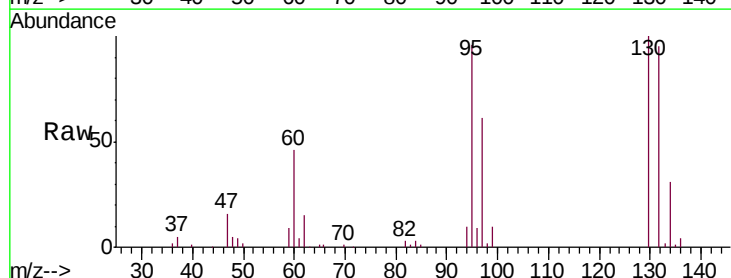
Acq: 11 May 2019 16:03

Tgt Ion: 130 Resp: 225163

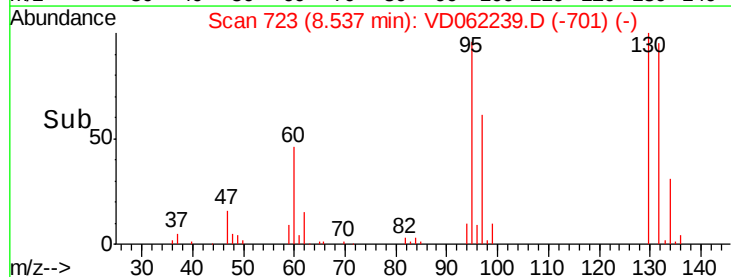
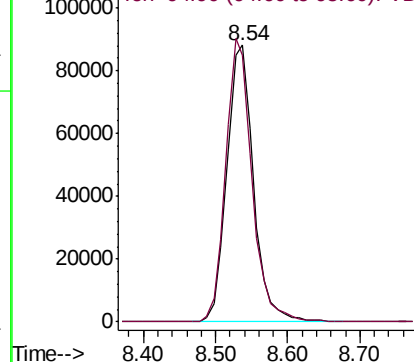
Ion Ratio Lower Upper

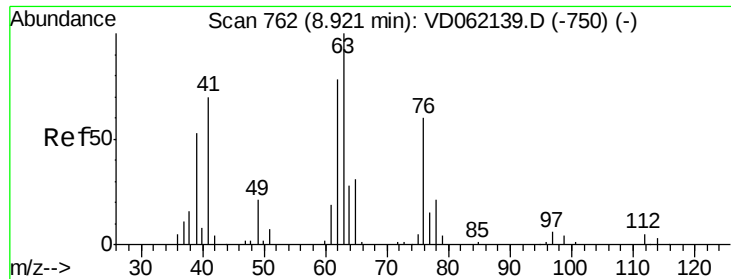
130 100

95 96.2 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 55.382 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

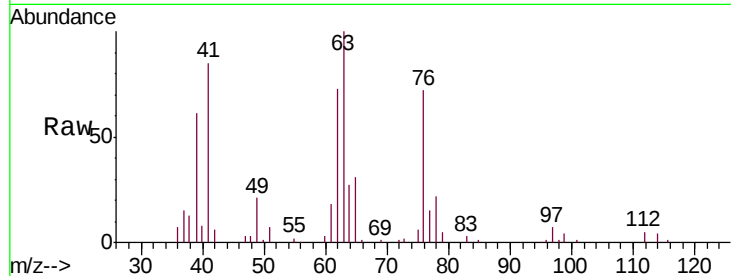
P026-SS006-0002-01MSD

Tgt Ion: 63 Resp: 186264

Ion Ratio Lower Upper

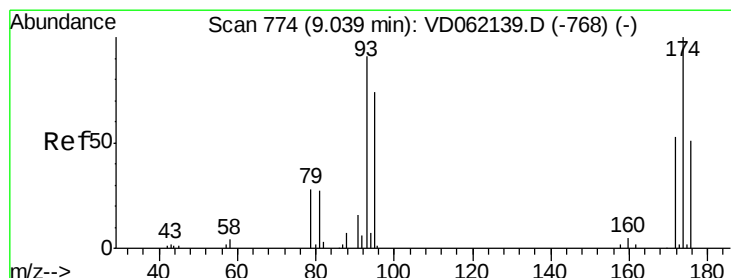
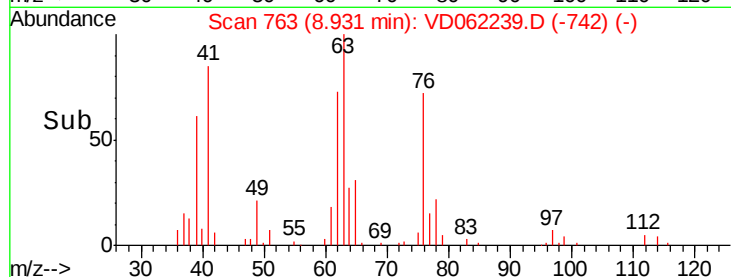
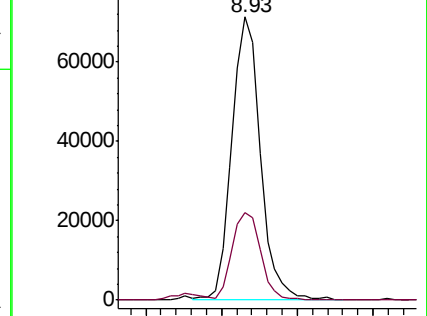
63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.460 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

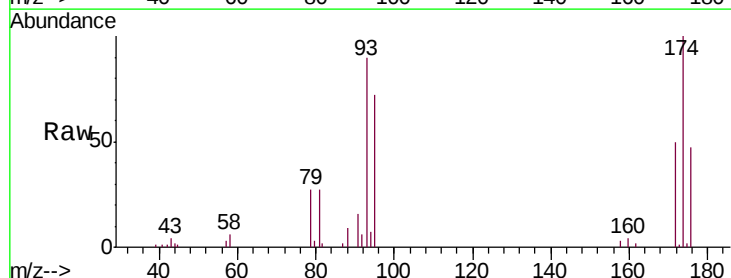
Tgt Ion: 93 Resp: 135273

Ion Ratio Lower Upper

93 100

95 80.1 64.8 97.2

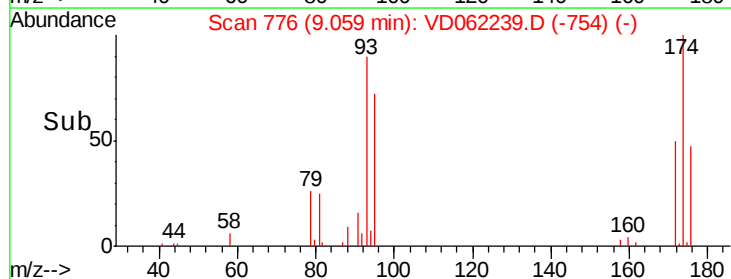
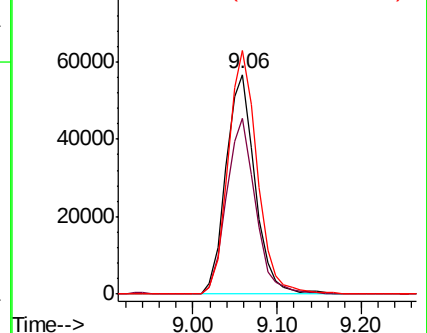
174 110.7 79.3 118.9

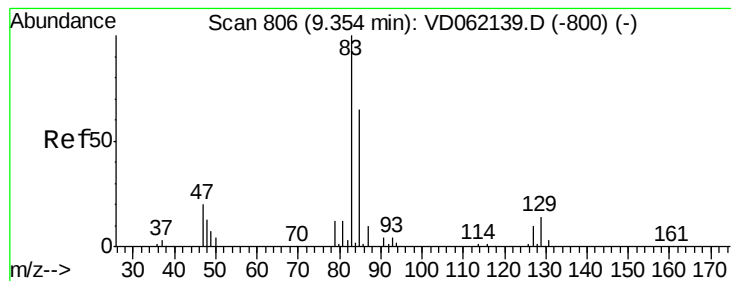


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.667 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

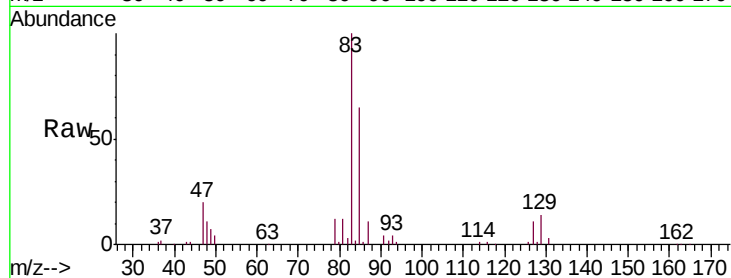
Tgt Ion: 83 Resp: 365712

Ion Ratio Lower Upper

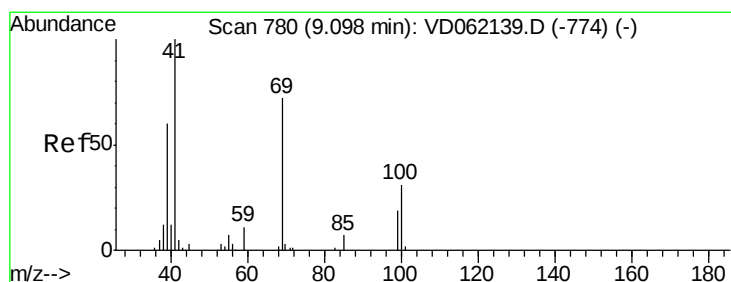
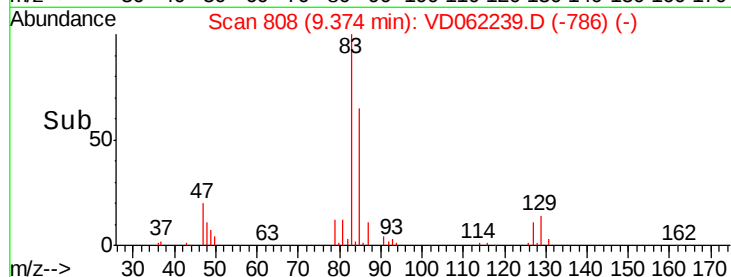
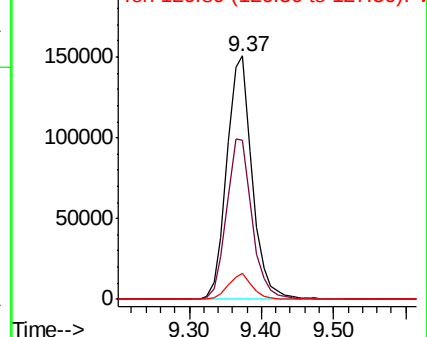
83 100

85 65.3 50.9 76.3

127 10.5 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: 63.774 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

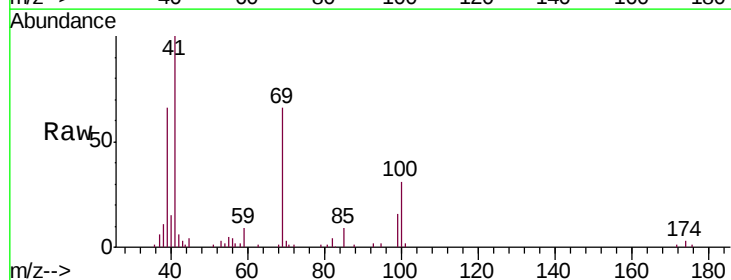
Tgt Ion: 41 Resp: 142265

Ion Ratio Lower Upper

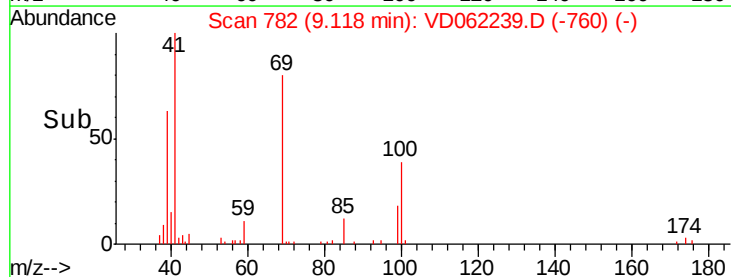
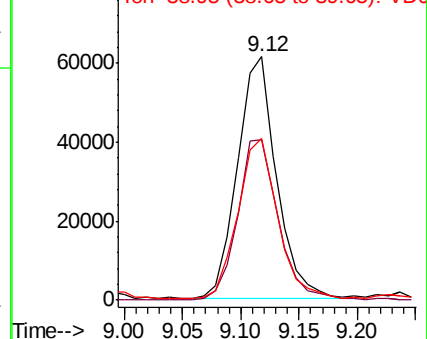
41 100

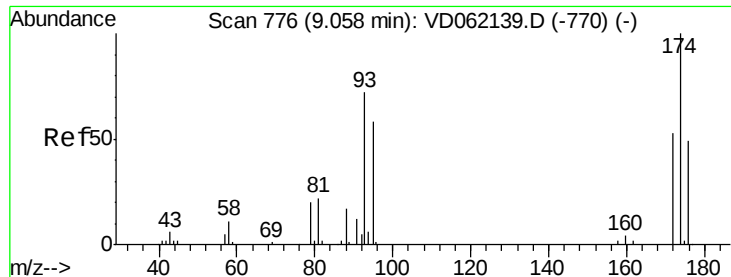
69 66.0 64.2 96.2

39 66.4 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

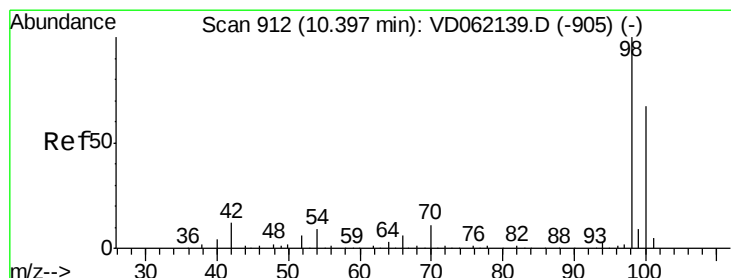
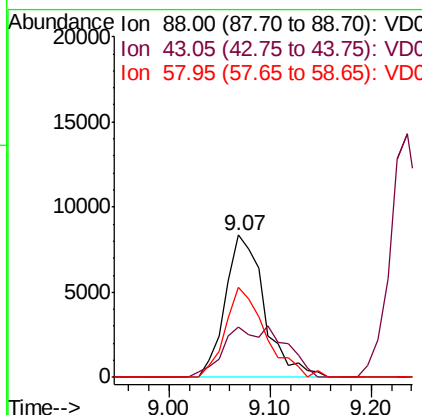
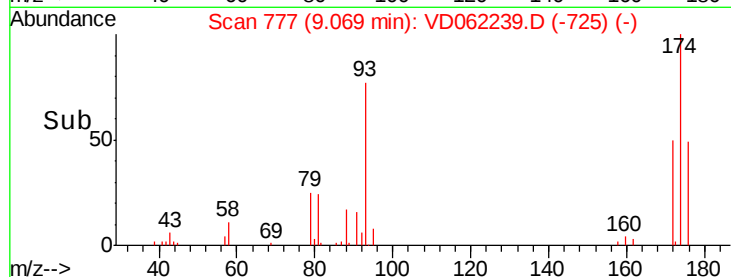
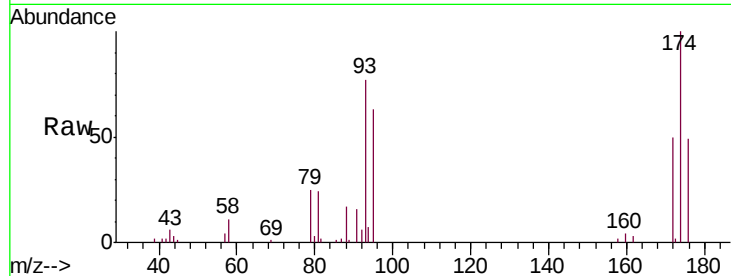




#49
 1,4-Dioxane
 Concen: 932.615 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

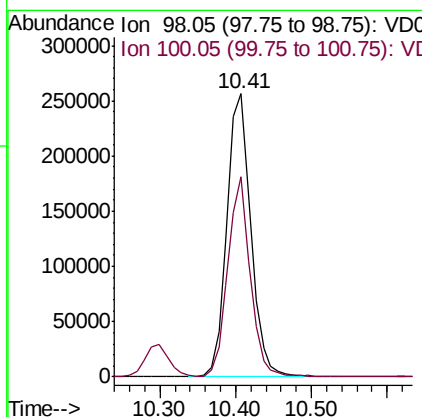
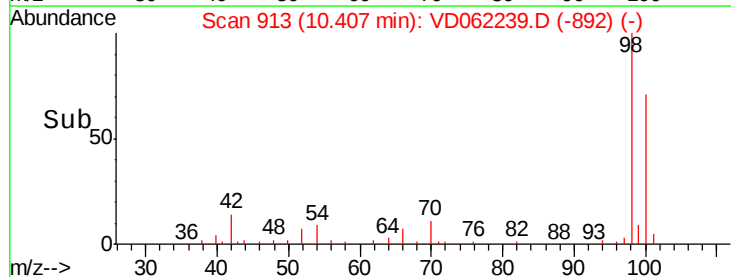
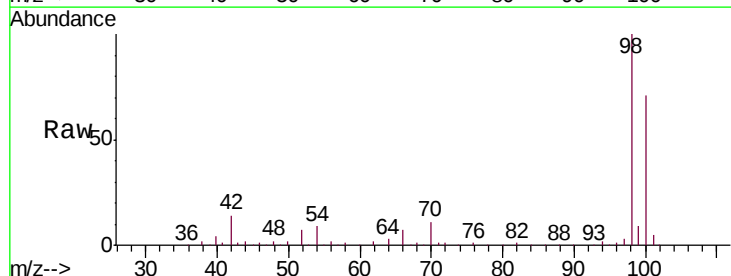
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

Tgt Ion: 88 Resp: 22447
 Ion Ratio Lower Upper
 88 100
 43 35.7 23.4 35.0#
 58 63.7 44.0 66.0



#50
 Toluene-d8
 Concen: 38.028 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 98 Resp: 558709
 Ion Ratio Lower Upper
 98 100
 100 70.5 53.8 80.8

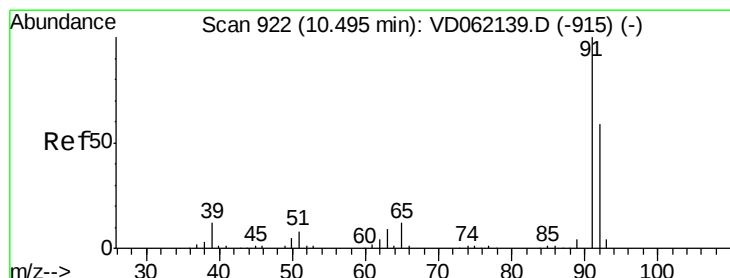
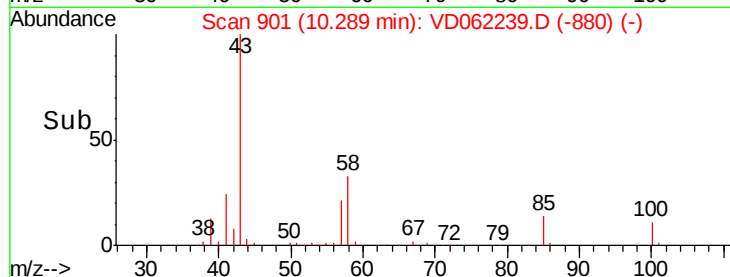
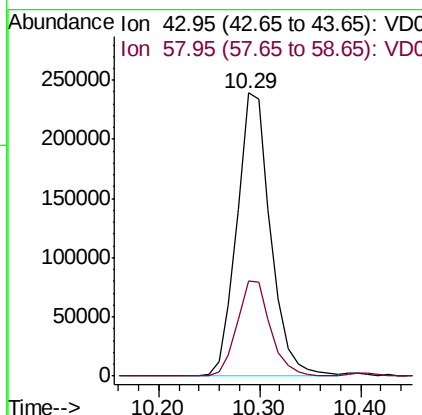
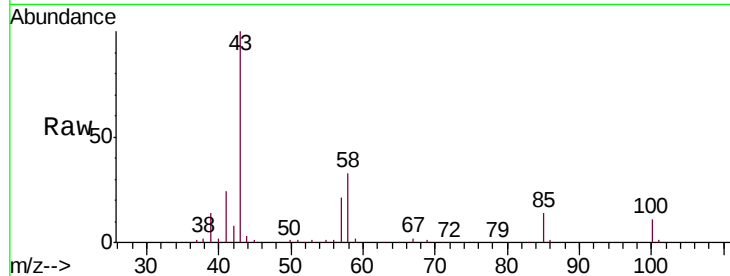




#51
 4-Methyl-2-Pentanone
 Concen: 239.388 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

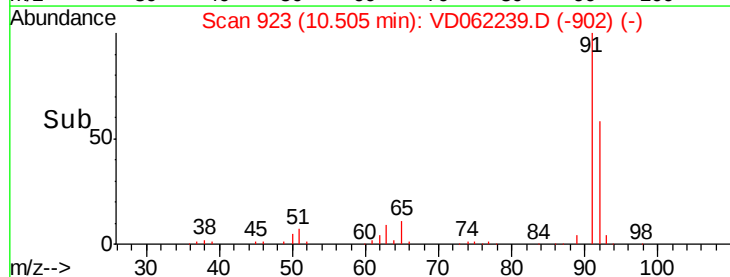
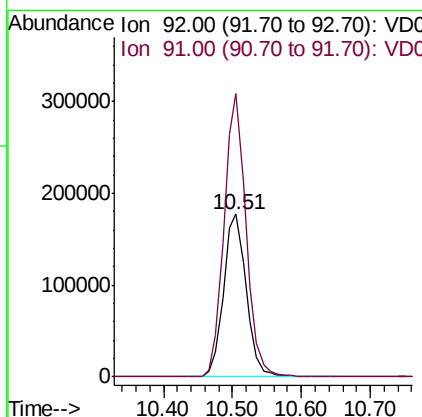
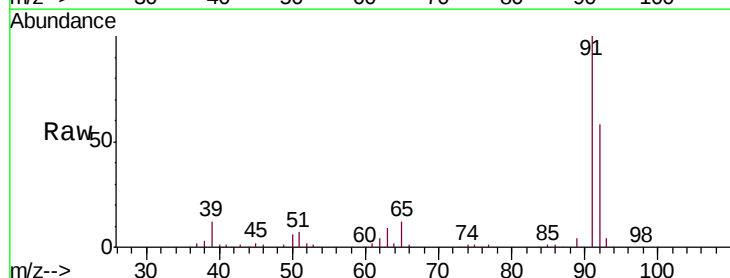
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

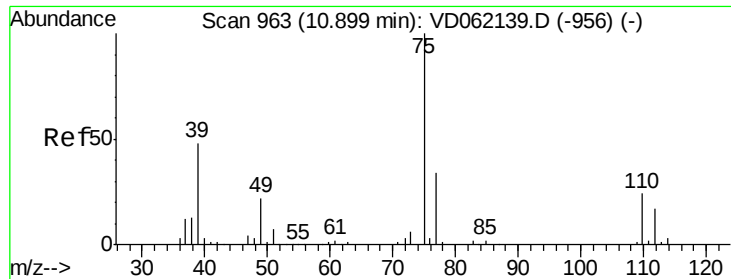
Tgt Ion: 43 Resp: 557297
 Ion Ratio Lower Upper
 43 100
 58 33.5 30.4 45.6



#52
 Toluene
 Concen: 45.729 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 92 Resp: 404562
 Ion Ratio Lower Upper
 92 100
 91 173.7 136.6 204.8

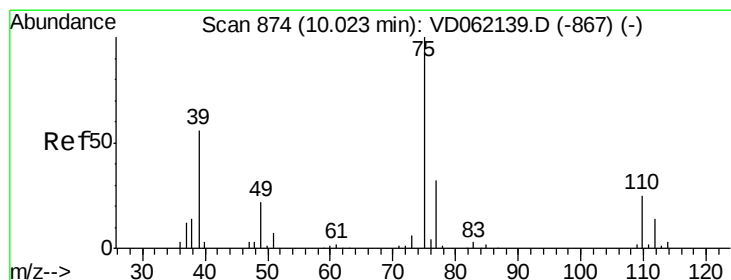
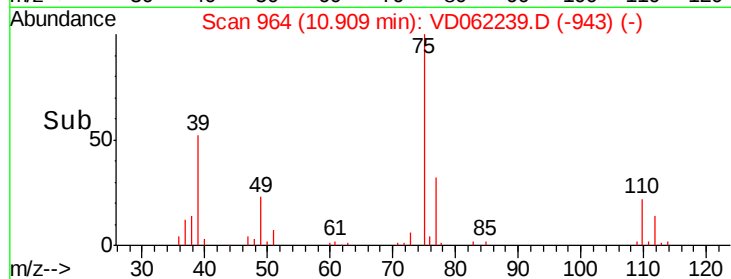
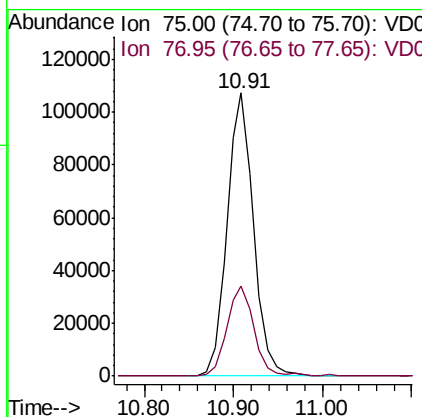
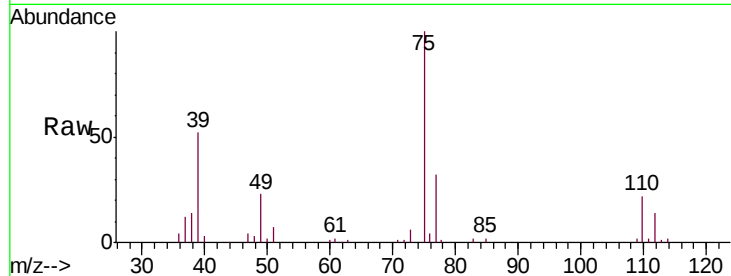




#53
 t-1,3-Dichloropropene
 Concen: 38.552 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

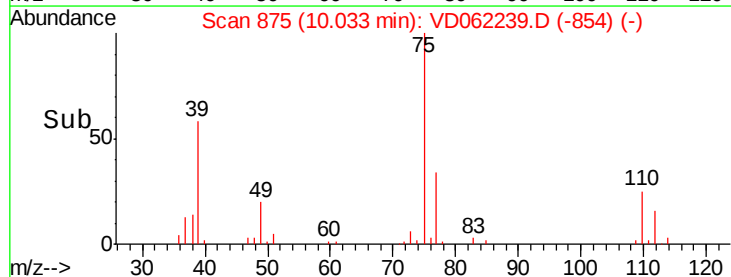
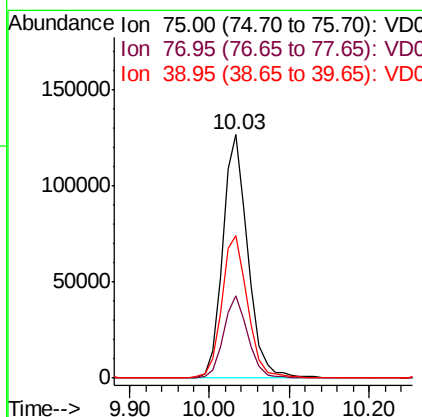
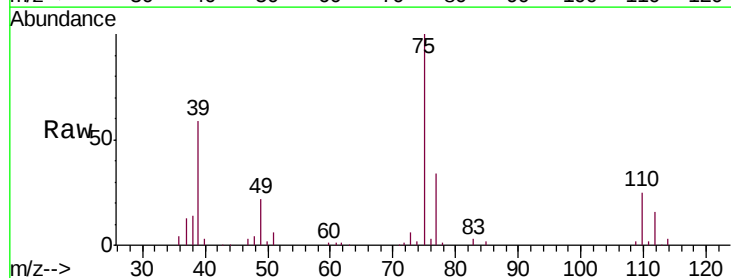
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

Tgt Ion: 75 Resp: 222905
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 44.305 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 75 Resp: 279457
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.5 38.3
 39 58.7 39.4 59.2

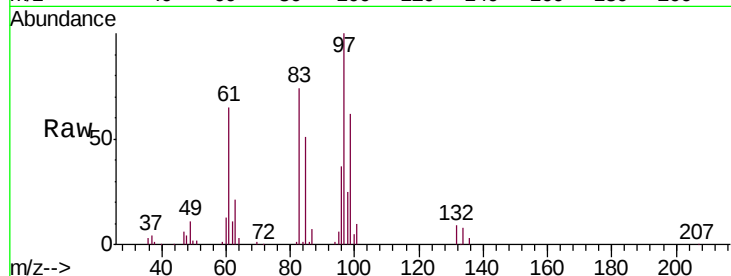




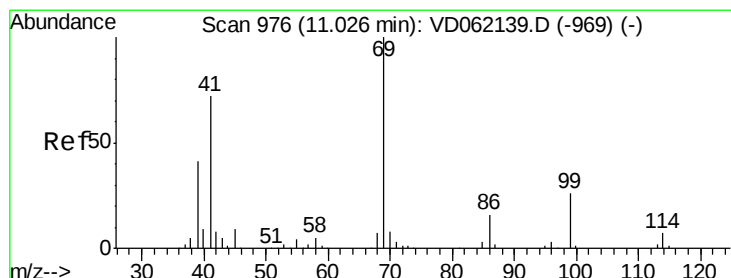
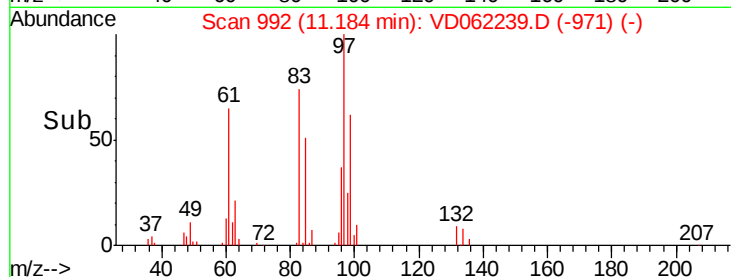
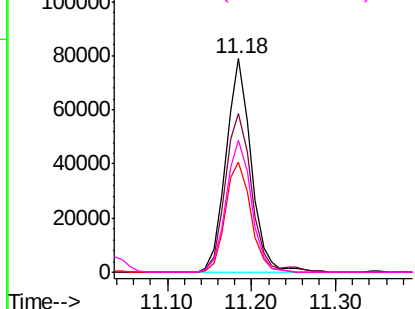
#55
 1,1,2-Trichloroethane
 Concen: 52.465 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion:	97	Resp:	164229
Ion	Ratio	Lower	Upper
97	100		
83	74.2	65.7	98.5
85	51.4	45.6	68.4
99	61.8	48.4	72.6

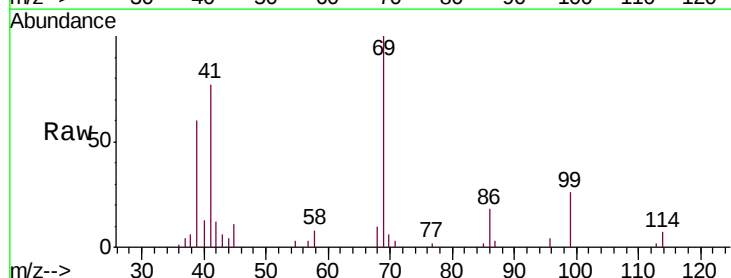


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

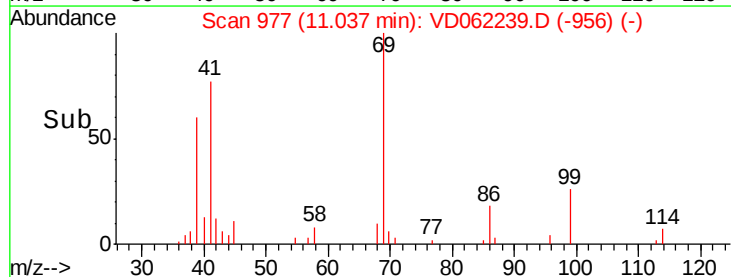
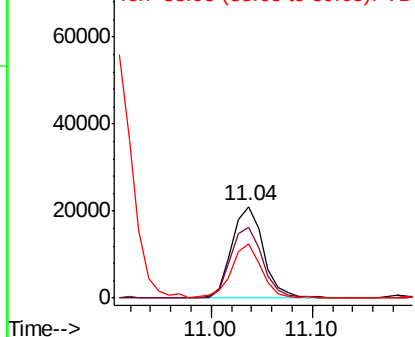


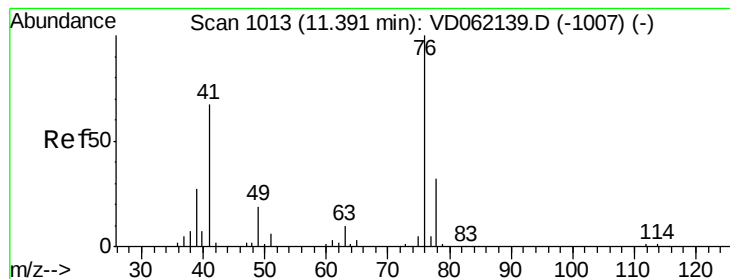
#56
 Ethyl methacrylate
 Concen: 14.073 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion:	69	Resp:	45775
Ion	Ratio	Lower	Upper
69	100		
41	76.9	56.3	84.5
39	59.6	29.4	44.2#



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





#57

1,3-Dichloropropane

Concen: 45.822 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

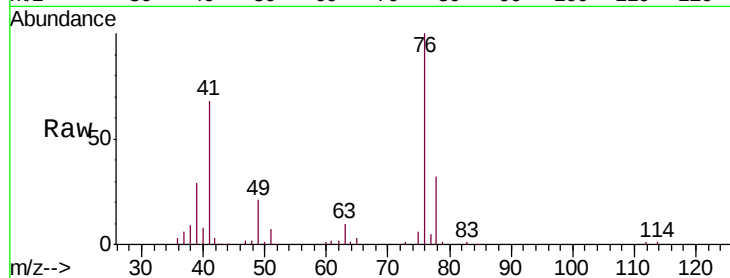
P026-SS006-0002-01MSD

Tgt Ion: 76 Resp: 216694

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

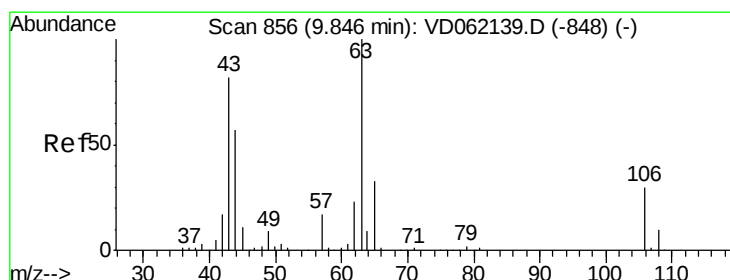
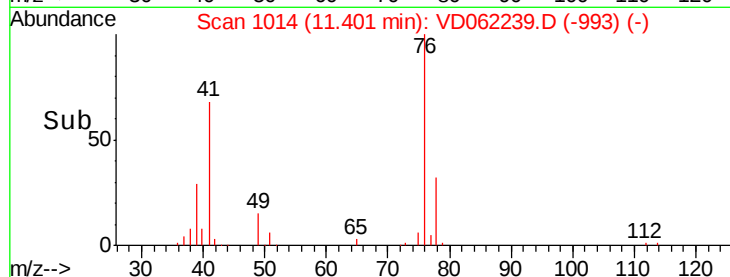
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.798 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062239.D

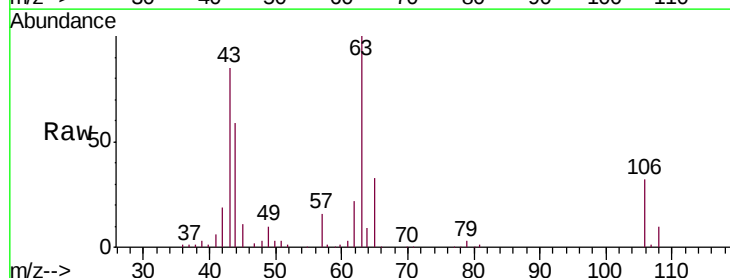
Acq: 11 May 2019 16:03

Tgt Ion: 63 Resp: 456275

Ion Ratio Lower Upper

63 100

106 32.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

200000

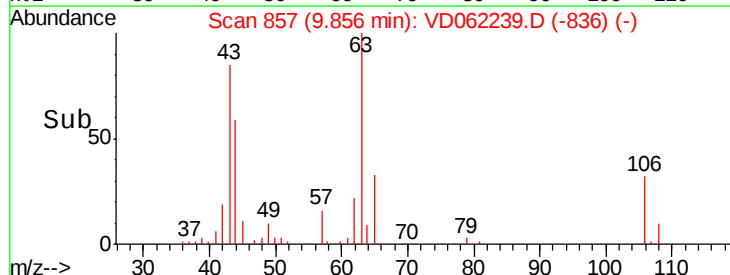
150000

100000

50000

0

Time-->

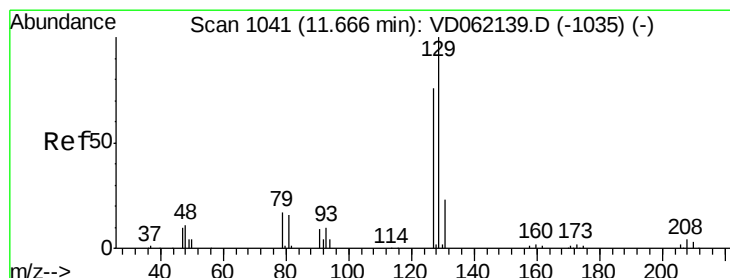
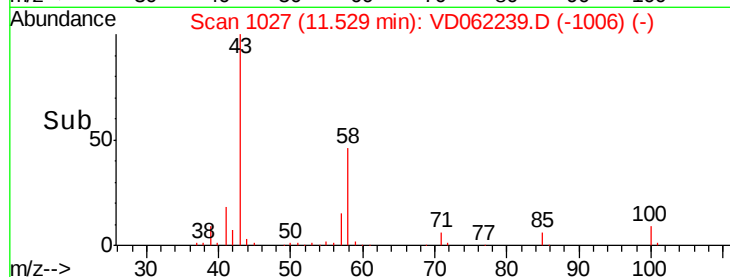
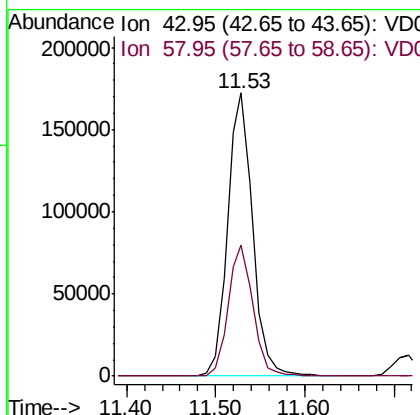
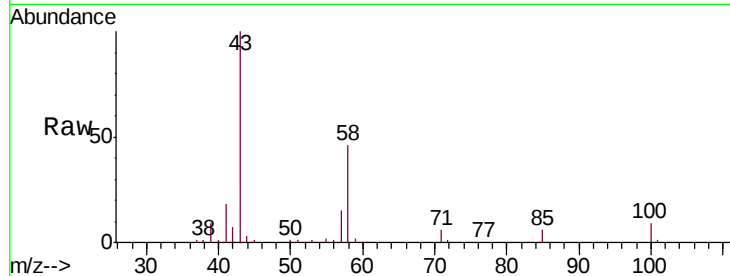




#59
2-Hexanone
Concen: 197.814 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

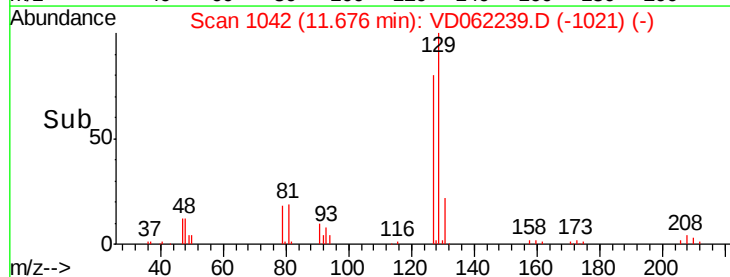
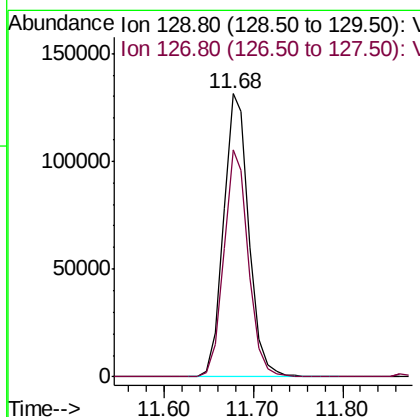
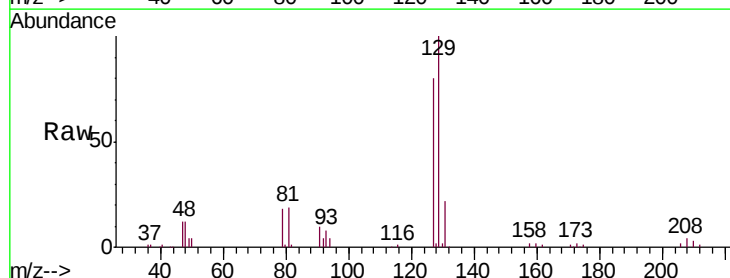
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

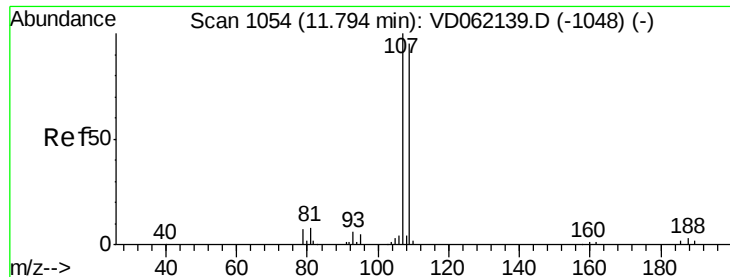
Tgt Ion: 43 Resp: 339415
Ion Ratio Lower Upper
43 100
58 46.2 25.4 76.4



#60
Dibromochloromethane
Concen: 48.317 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 129 Resp: 261383
Ion Ratio Lower Upper
129 100
127 80.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 41.109 ug/l

RT: 11.80 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

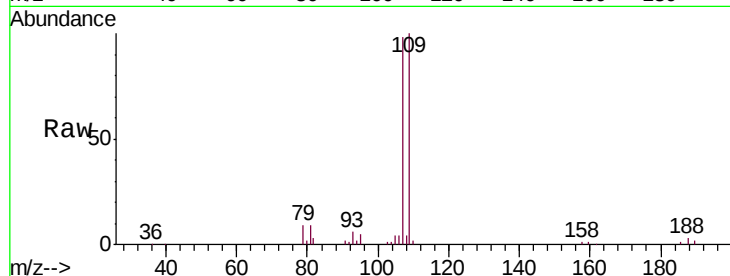
P026-SS006-0002-01MSD

Tgt Ion: 107 Resp: 156444

Ion Ratio Lower Upper

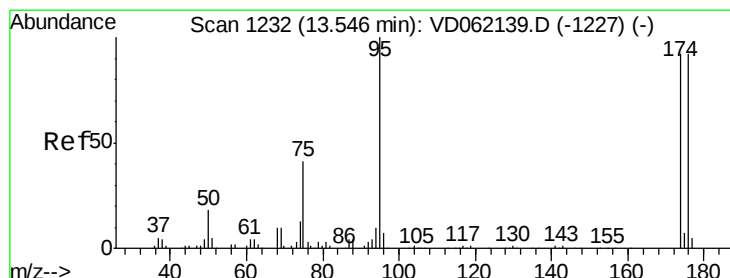
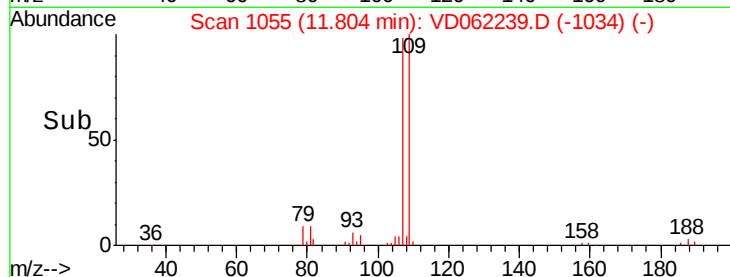
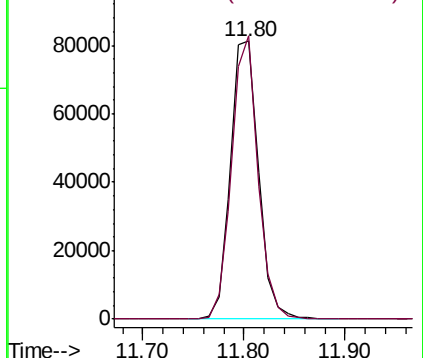
107 100

109 101.9 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 24.758 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

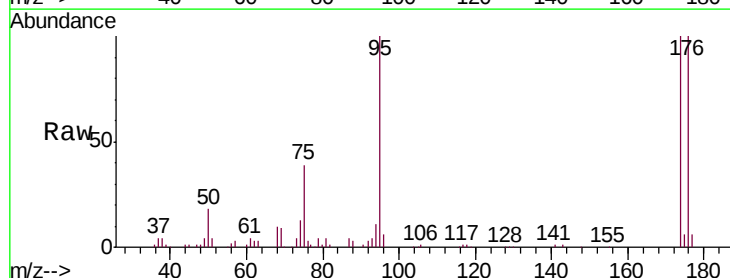
Tgt Ion: 95 Resp: 146067

Ion Ratio Lower Upper

95 100

174 99.8 0.0 181.8

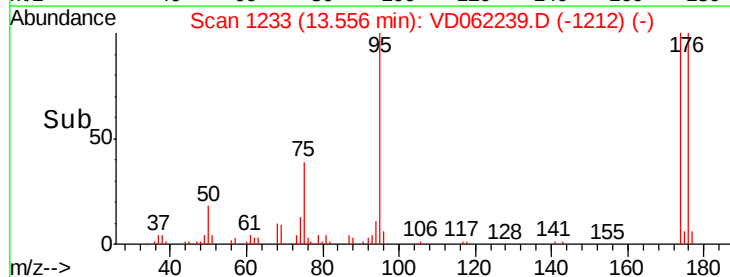
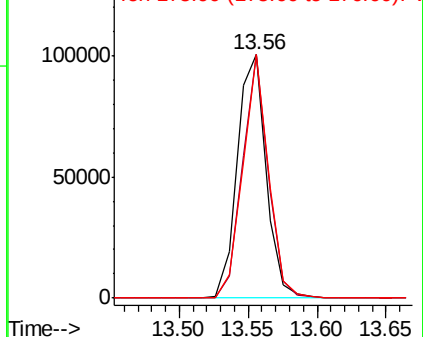
176 99.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

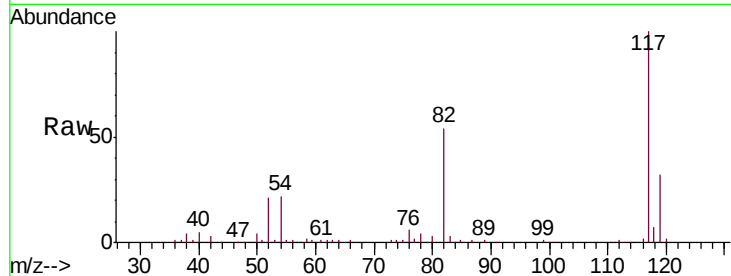




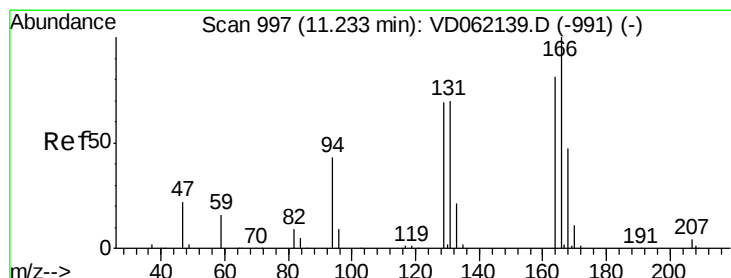
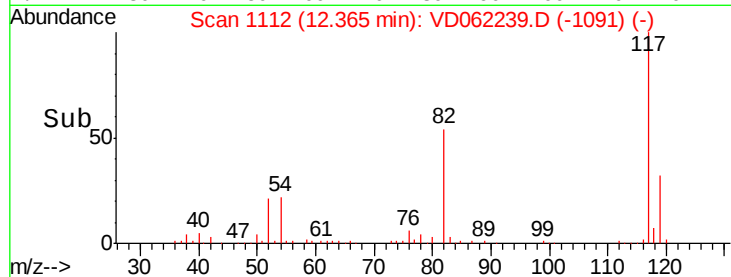
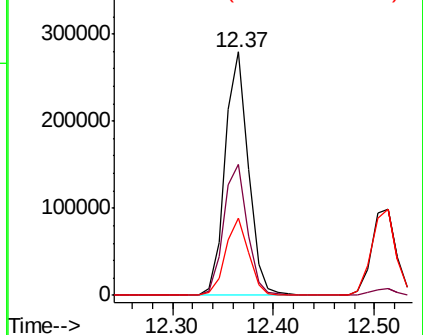
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

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

Tgt Ion:117 Resp: 446390
Ion Ratio Lower Upper
117 100
82 53.7 36.2 54.2
119 31.7 26.2 39.4

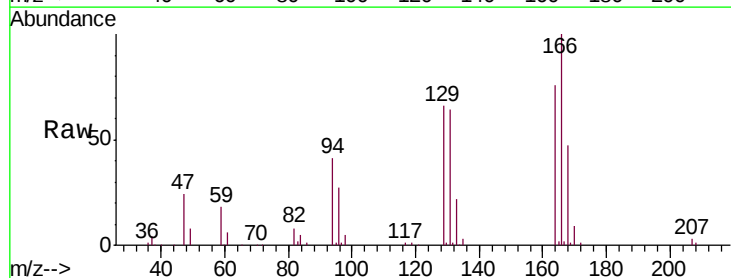


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

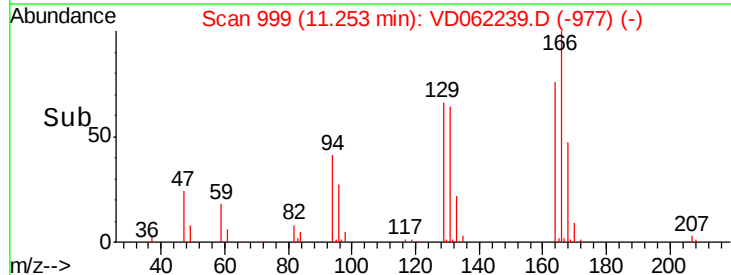
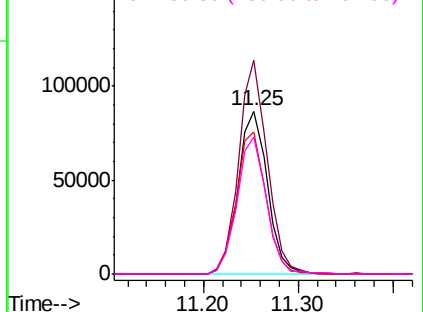


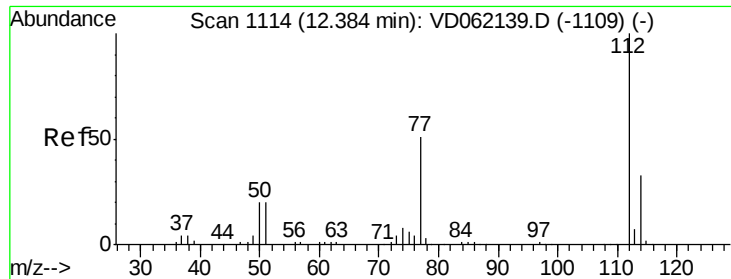
#64
Tetrachloroethene
Concen: 53.747 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion:164 Resp: 187610
Ion Ratio Lower Upper
164 100
166 131.1 101.5 152.3
129 87.2 74.6 112.0
131 83.7 72.6 108.8



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

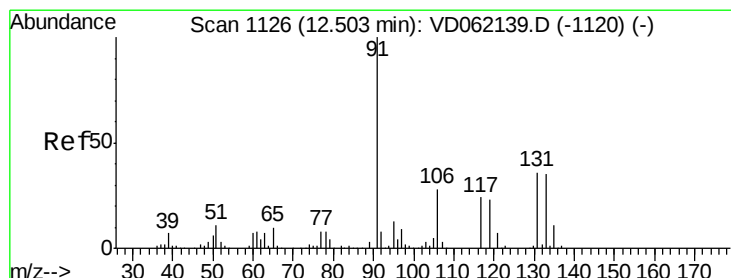
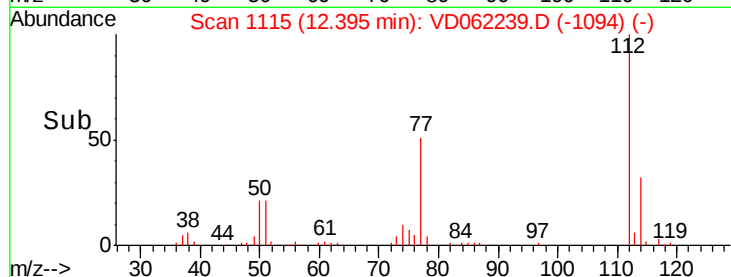
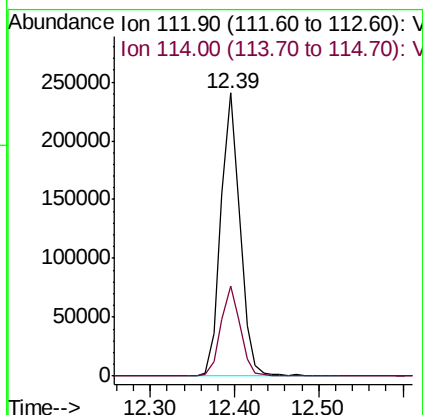
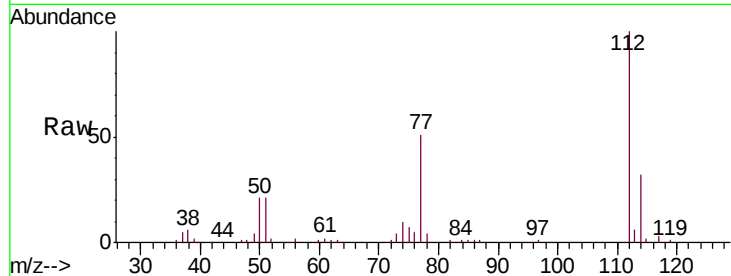




#65
Chlorobenzene
Concen: 45.850 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

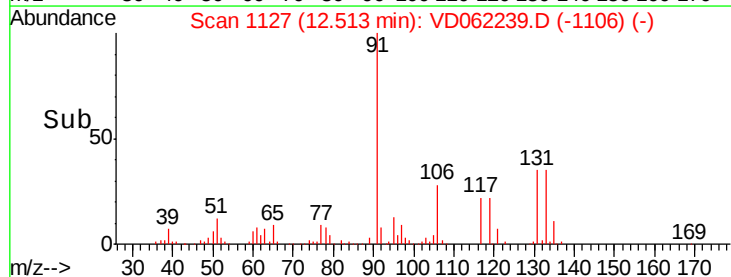
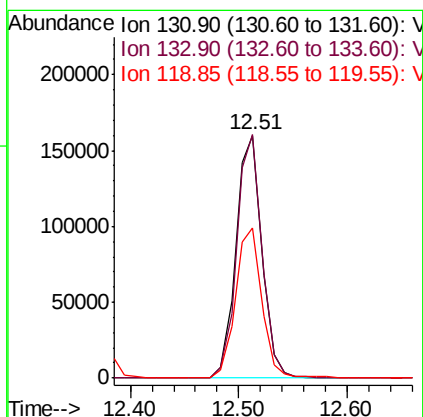
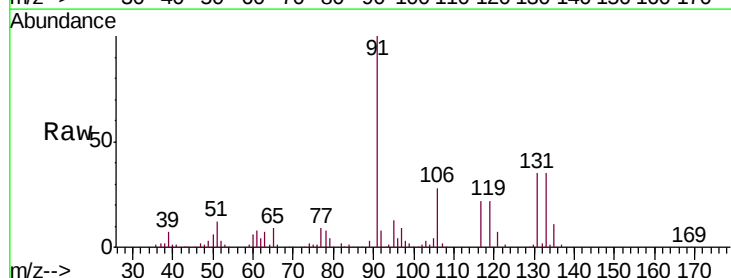
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

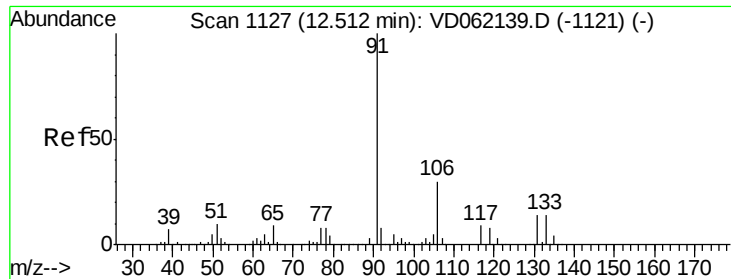
Tgt Ion:112 Resp: 381200
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 73.481 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion:131 Resp: 265887
Ion Ratio Lower Upper
131 100
133 100.5 48.6 145.8
119 62.2 34.7 104.1

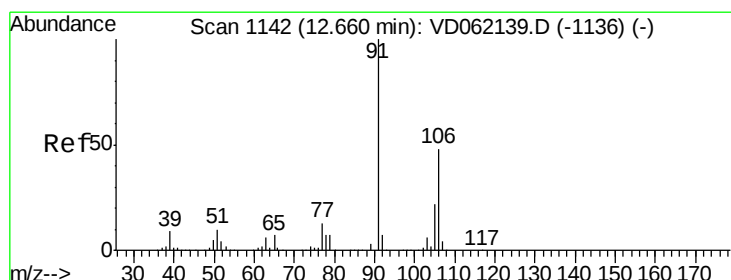
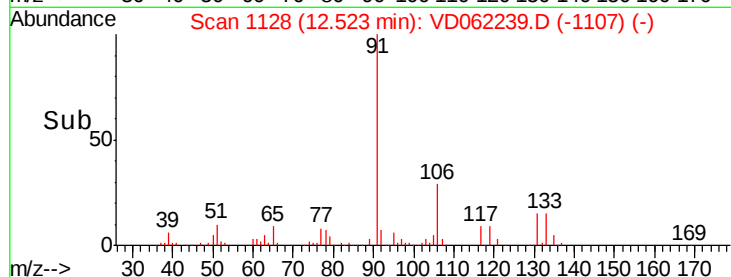
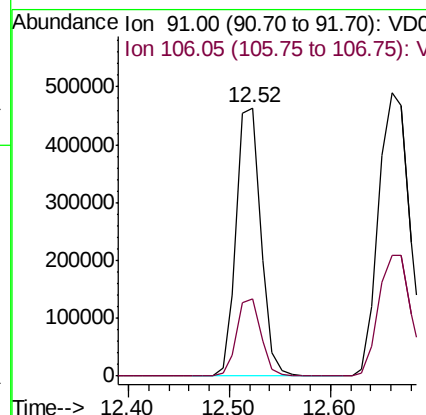
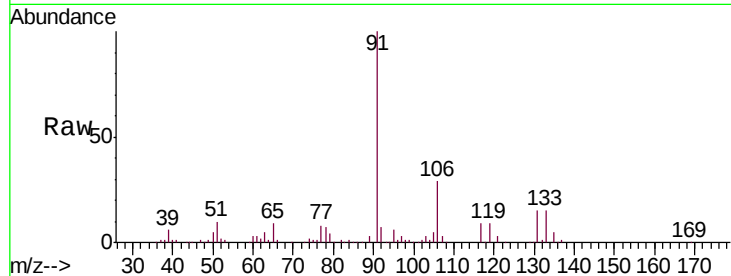




#67
Ethyl Benzene
Concen: 56.485 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

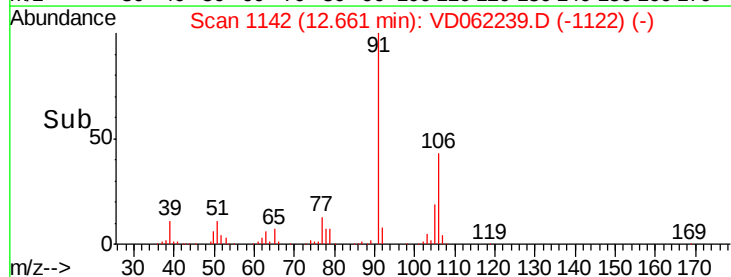
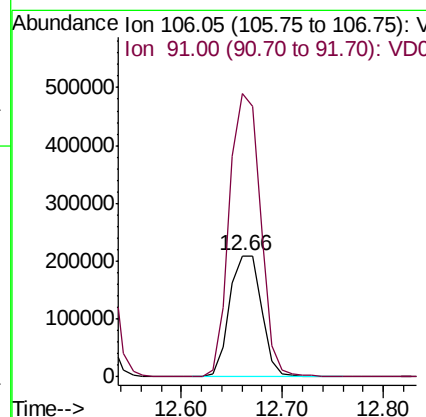
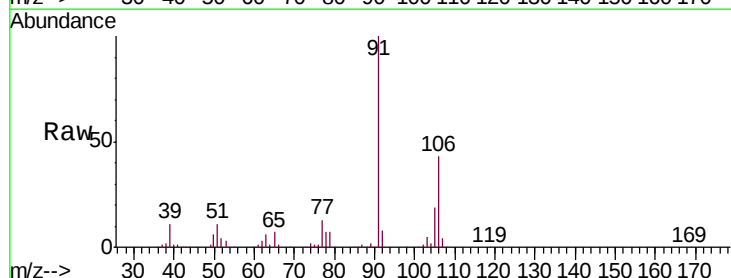
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

Tgt Ion: 91 Resp: 786225
Ion Ratio Lower Upper
91 100
106 28.7 24.7 37.1



#68
m/p-Xylenes
Concen: 91.226 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion: 106 Resp: 461979
Ion Ratio Lower Upper
106 100
91 233.9 164.0 246.0

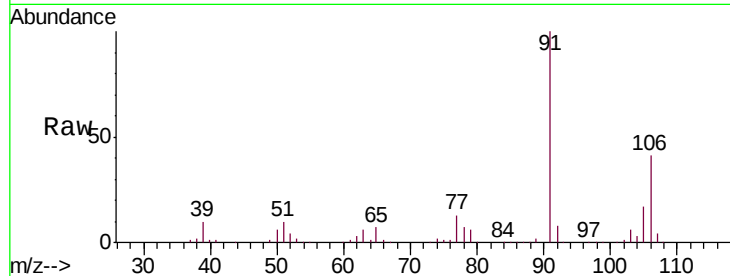




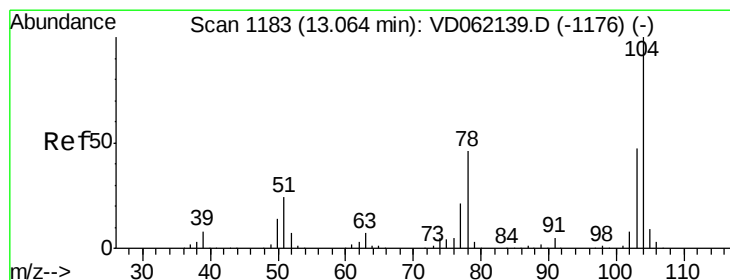
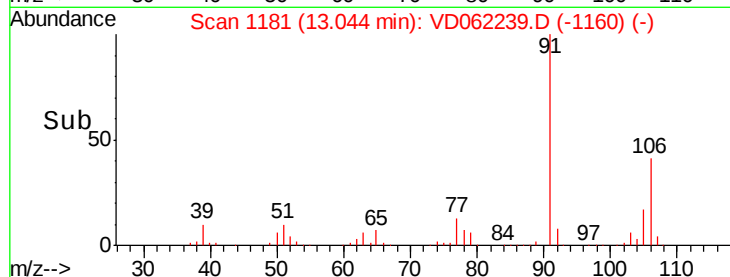
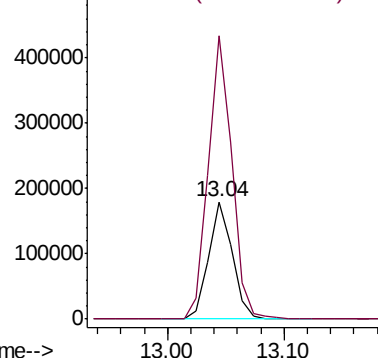
#69
o-Xylene
Concen: 54.213 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

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

Tgt Ion:106 Resp: 255235
Ion Ratio Lower Upper
106 100
91 241.6 106.7 319.9

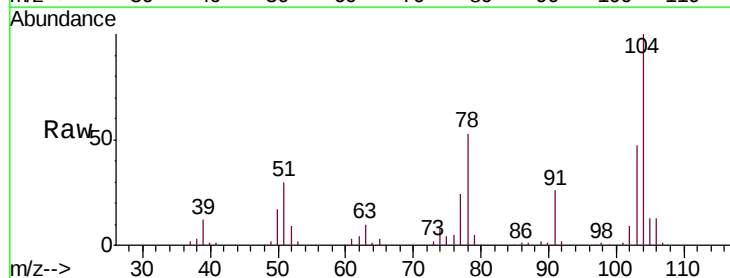


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

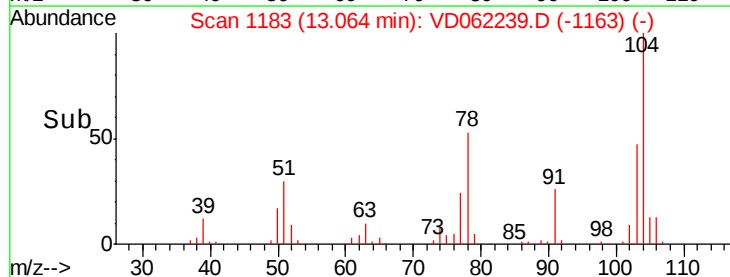
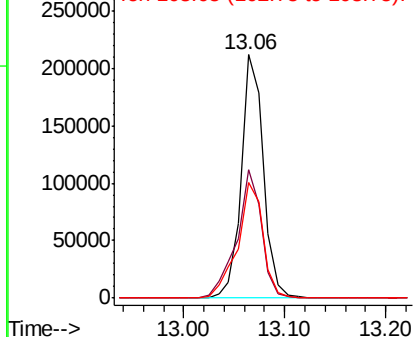


#70
Styrene
Concen: 40.471 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion:104 Resp: 322778
Ion Ratio Lower Upper
104 100
78 52.8 35.4 53.2
103 47.5 37.5 56.3



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





#71

Bromoform

Concen: 56.629 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

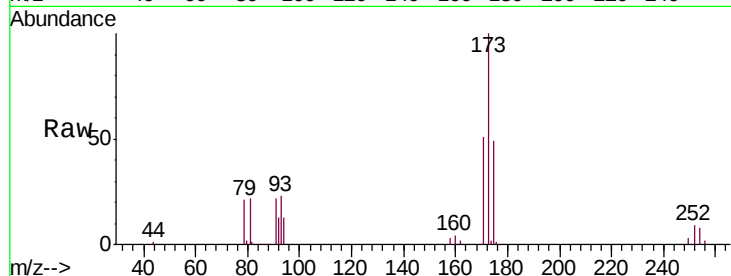
Tgt Ion:173 Resp: 142562

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.4

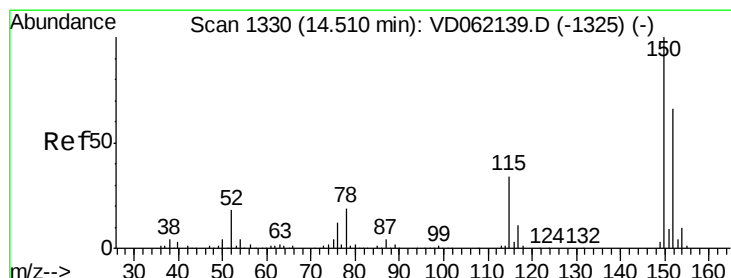
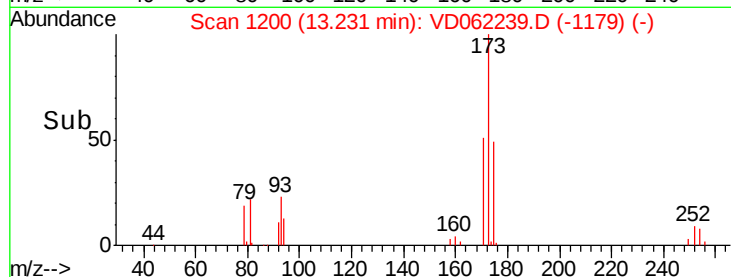
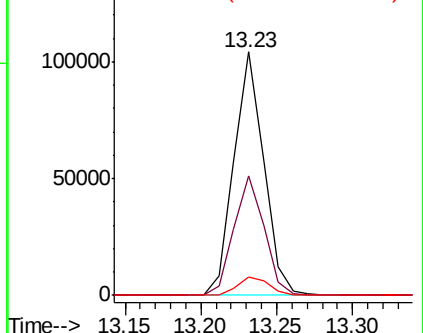
254 7.6 5.4 8.2



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# 1331

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

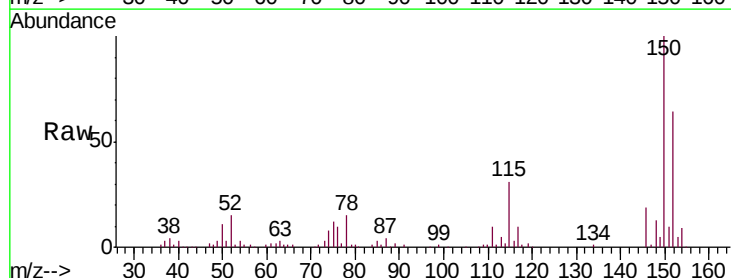
Tgt Ion:152 Resp: 129349

Ion Ratio Lower Upper

152 100

115 48.7 30.9 92.7

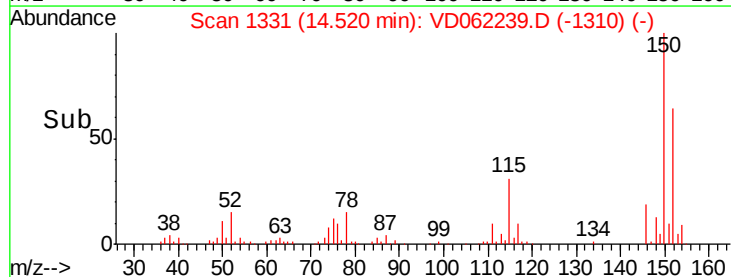
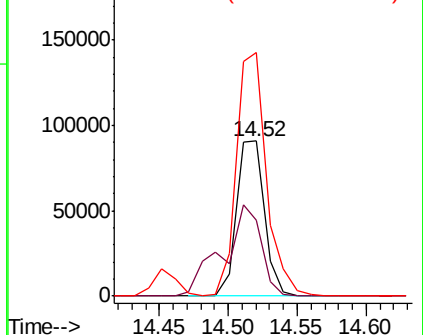
150 157.1 0.0 314.8

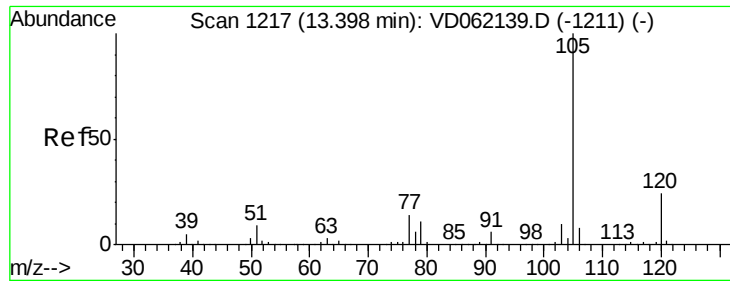


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 90.981 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

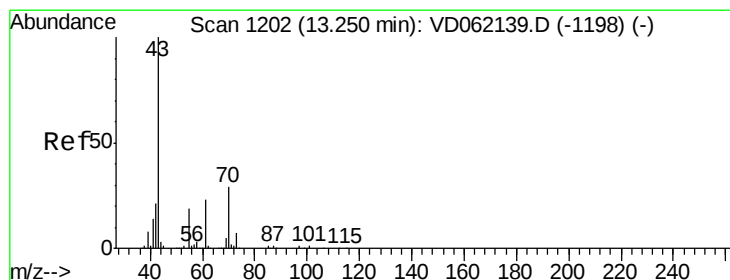
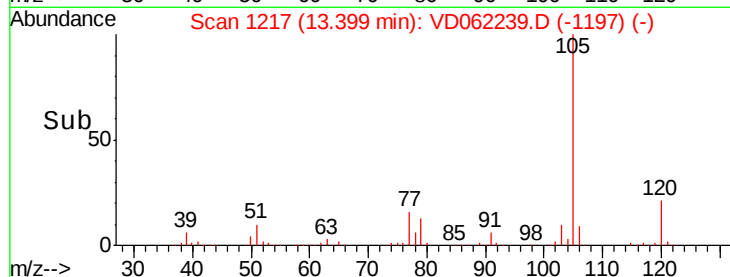
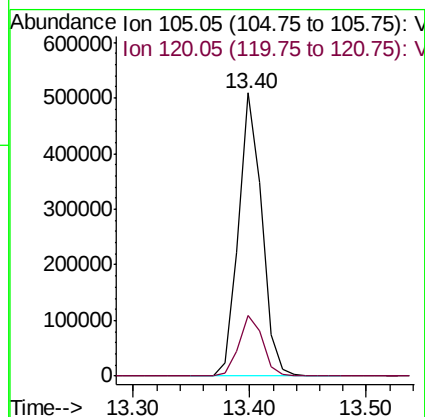
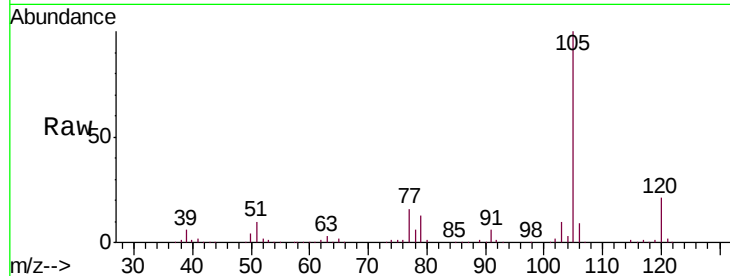
P026-SS006-0002-01MSD

Tgt Ion: 105 Resp: 705431

Ion Ratio Lower Upper

105 100

120 21.4 12.0 36.1



#74

N-ethyl acetate

Concen: 4.762 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Tgt Ion: 43 Resp: 9680

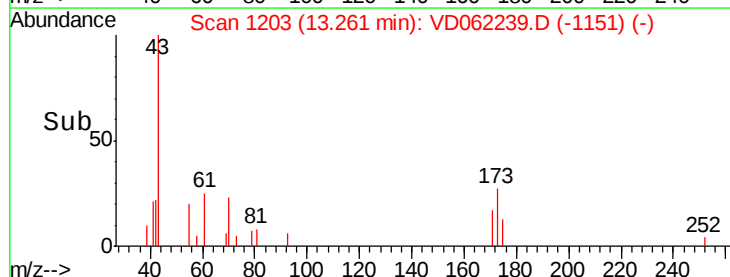
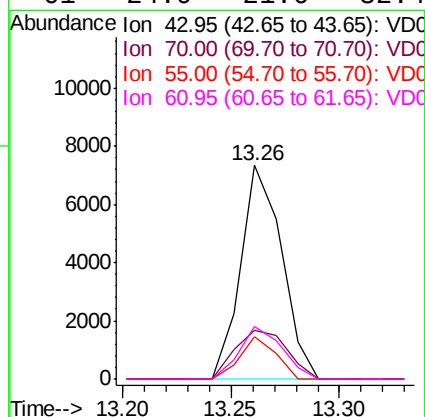
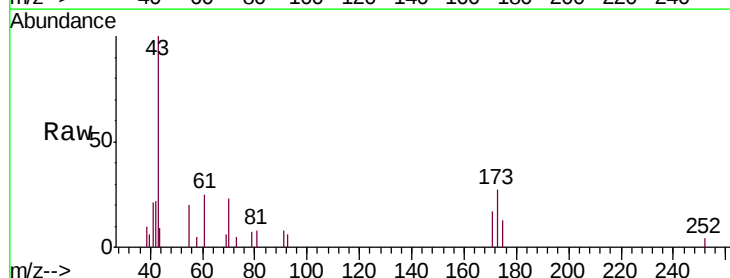
Ion Ratio Lower Upper

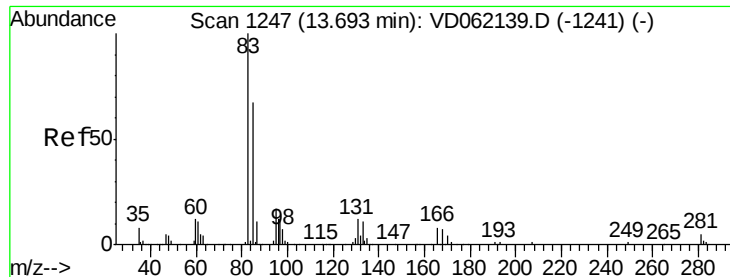
43 100

70 22.9 24.2 36.4#

55 19.8 16.0 24.0

61 24.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 99.369 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

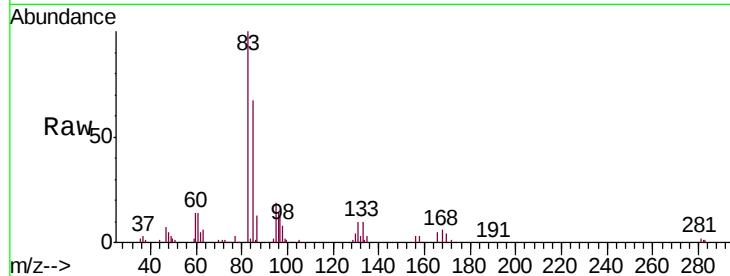
Tgt Ion: 83 Resp: 145859

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 66.6 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

120000

100000

80000

60000

40000

20000

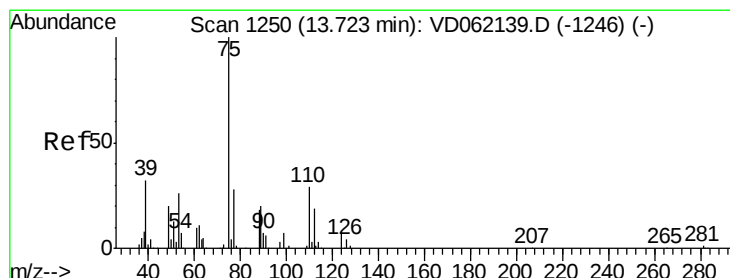
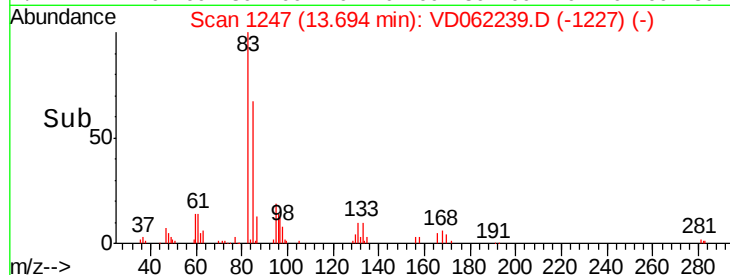
0

13.69

13.70

13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 93.865 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062239.D

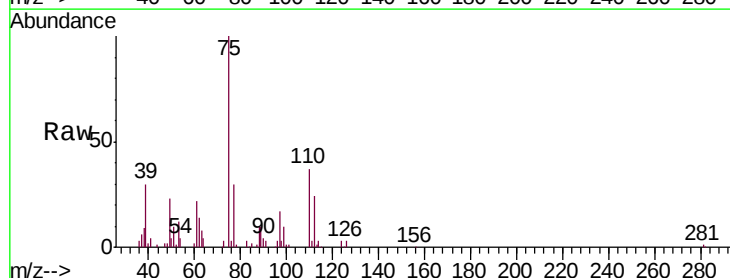
Acq: 11 May 2019 16:03

Tgt Ion: 75 Resp: 144290

Ion Ratio Lower Upper

75 100

77 30.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

100000

50000

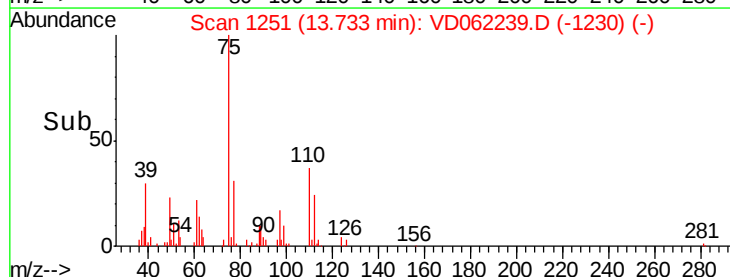
0

13.73

13.70

13.80

Time-->





#77

Bromobenzene

Concen: 71.650 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

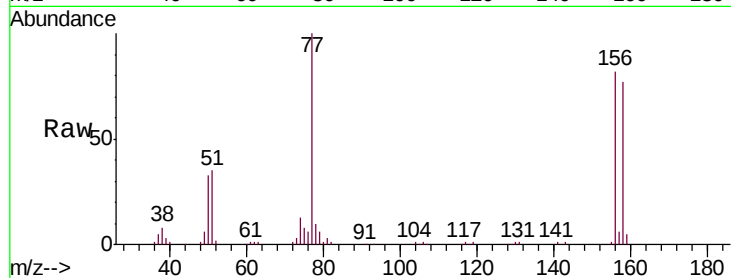
Tgt Ion:156 Resp: 155516

Ion Ratio Lower Upper

156 100

77 122.6 53.1 159.4

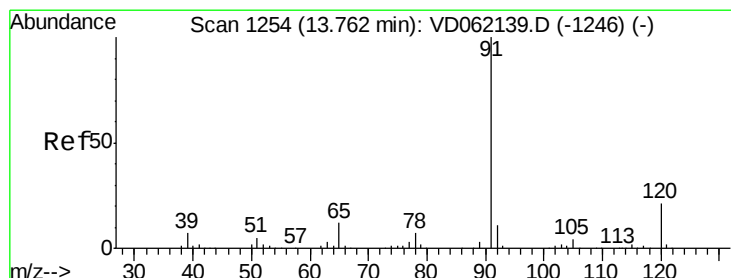
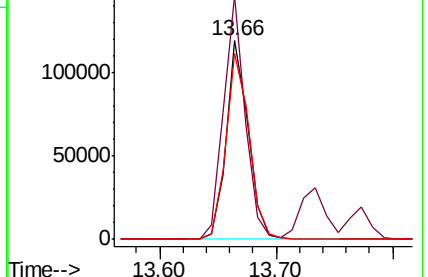
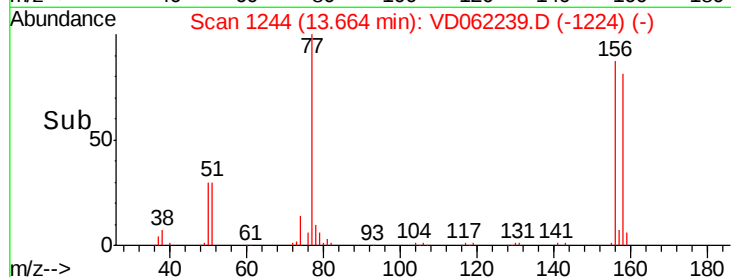
158 93.8 49.4 148.0



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: 67.529 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062239.D

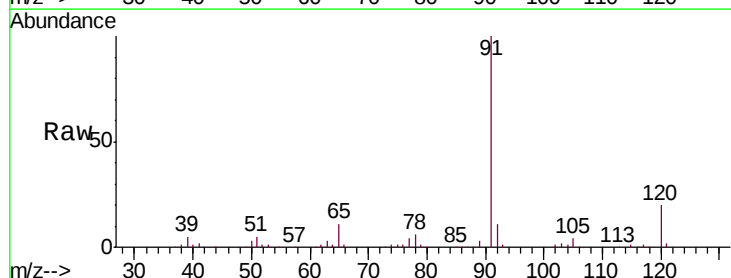
Acq: 11 May 2019 16:03

Tgt Ion: 91 Resp: 624584

Ion Ratio Lower Upper

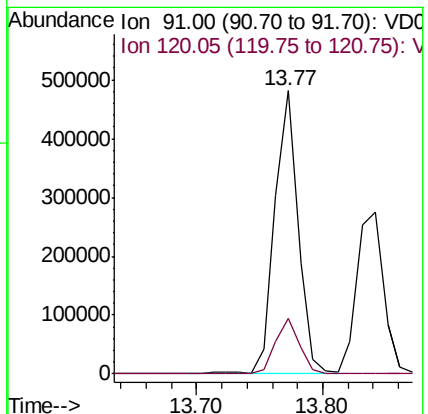
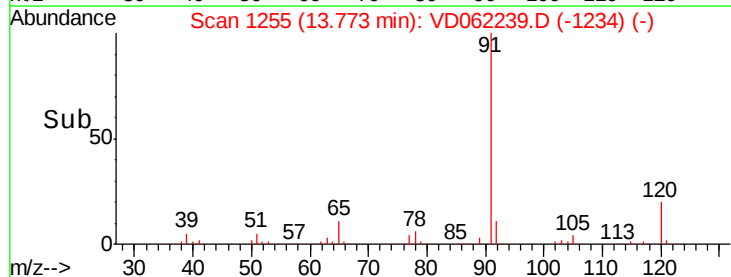
91 100

120 19.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

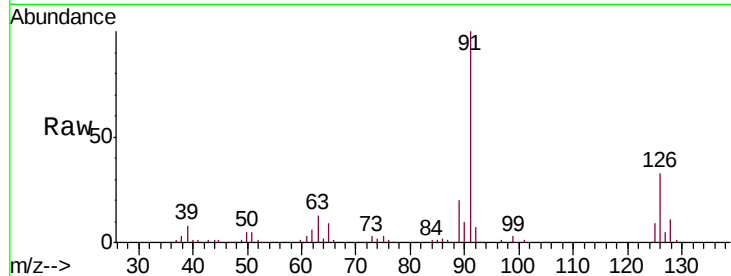




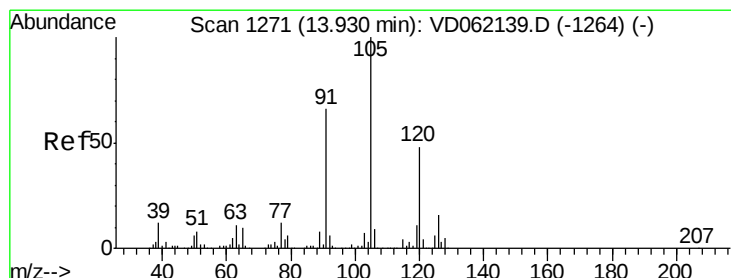
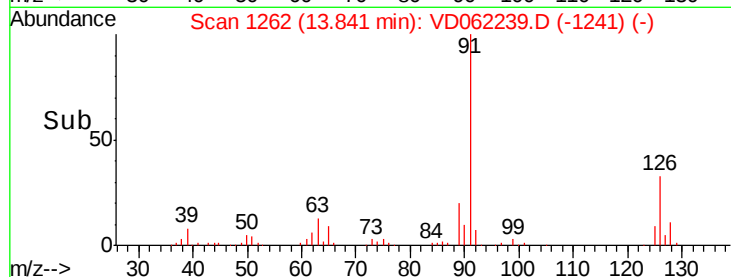
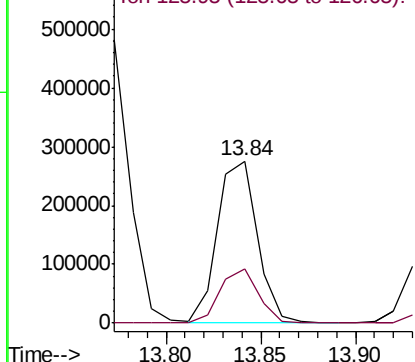
#79
 2-Chlorotoluene
 Concen: 75.771 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion: 91 Resp: 401368
 Ion Ratio Lower Upper
 91 100
 126 33.1 18.6 55.8

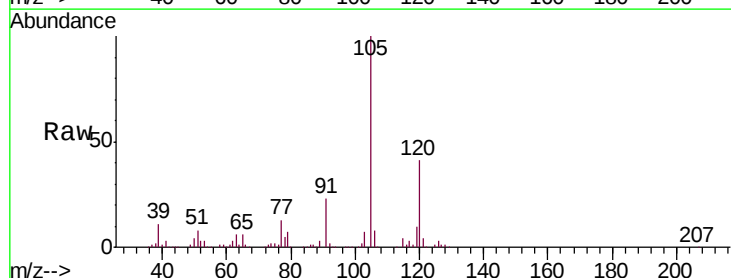


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

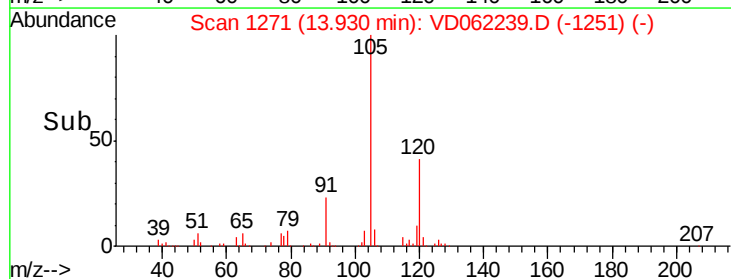
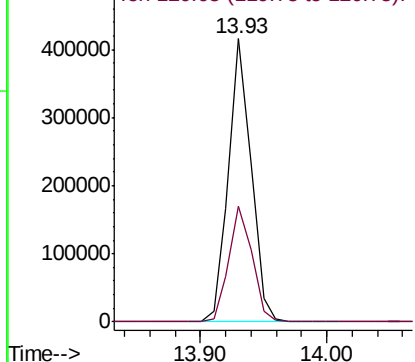


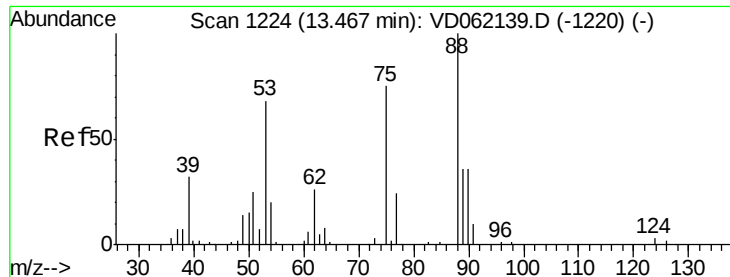
#80
 1,3,5-Trimethylbenzene
 Concen: 78.676 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 105 Resp: 513686
 Ion Ratio Lower Upper
 105 100
 120 41.1 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 80.092 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

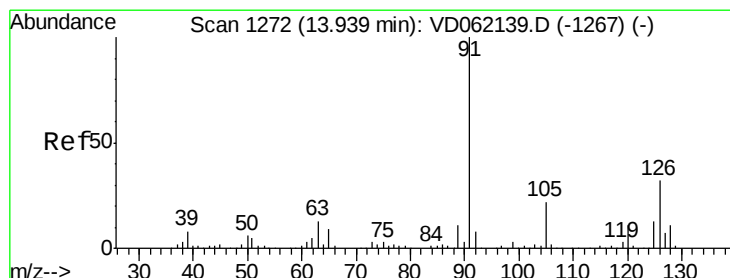
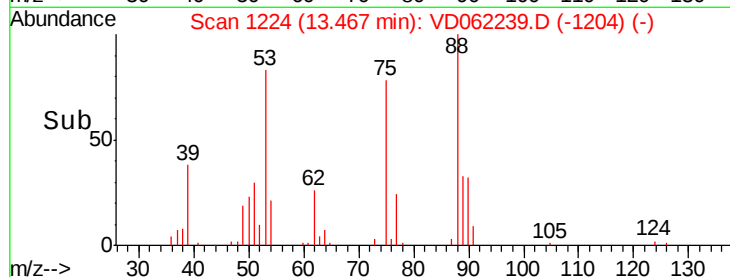
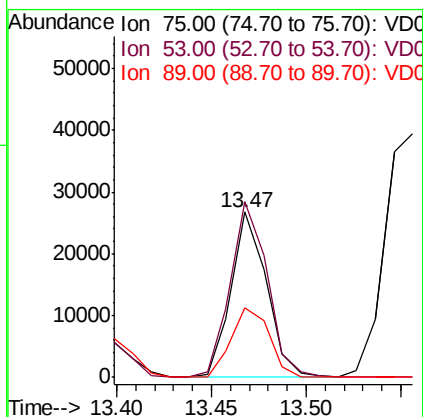
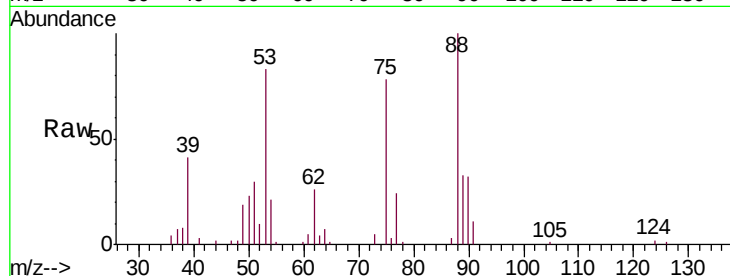
Tgt Ion: 75 Resp: 34757

Ion Ratio Lower Upper

75 100

53 106.4 65.8 98.8#

89 42.4 35.0 52.6



#82

4-Chlorotoluene

Concen: 62.052 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062239.D

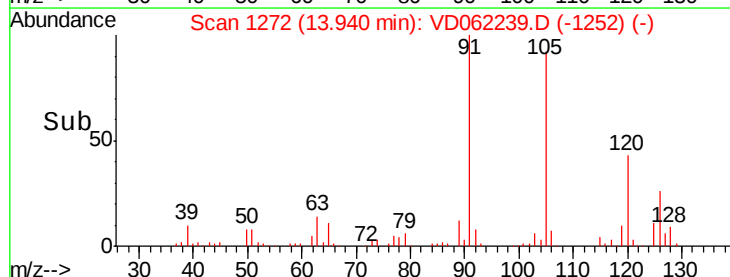
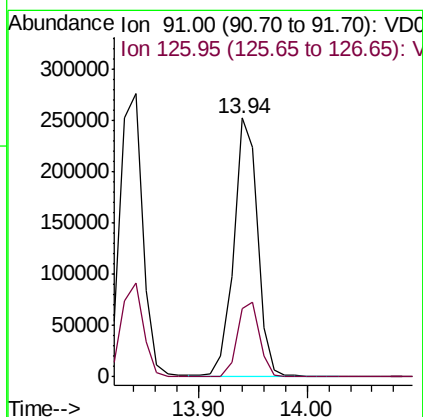
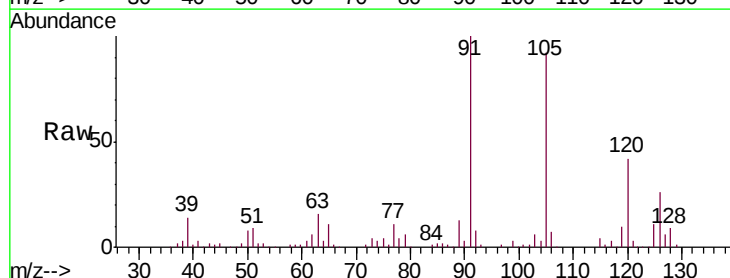
Acq: 11 May 2019 16:03

Tgt Ion: 91 Resp: 386797

Ion Ratio Lower Upper

91 100

126 26.2 19.1 57.5

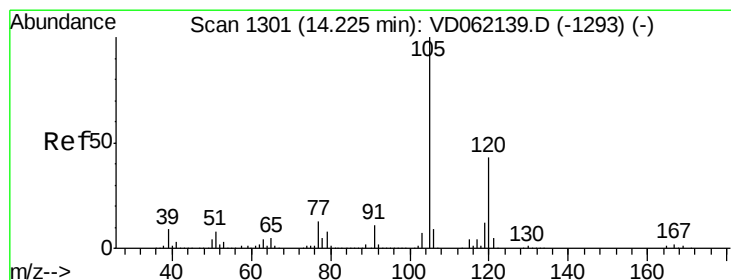
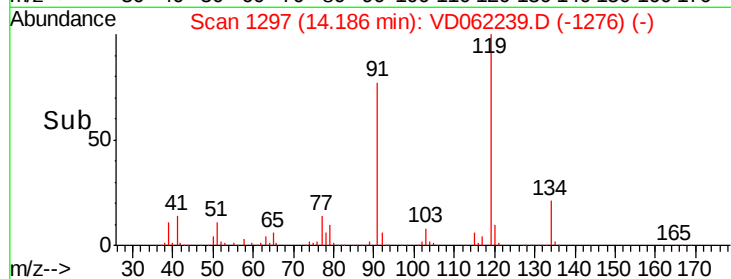
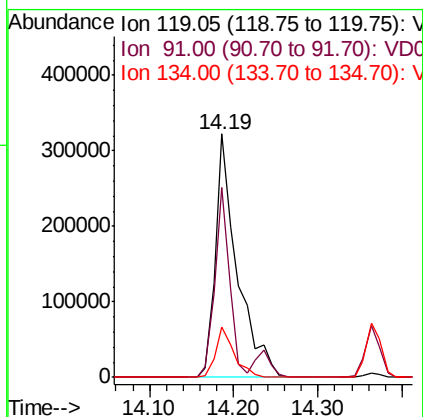
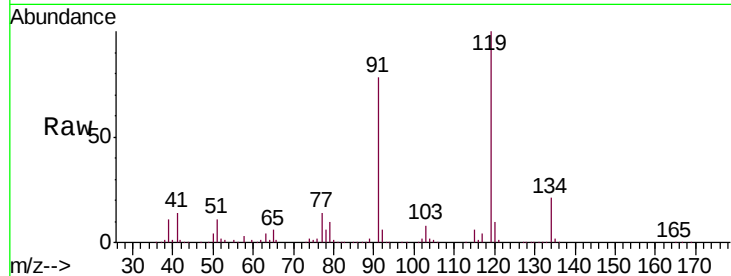




#83
 tert-Butylbenzene
 Concen: 78.728 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

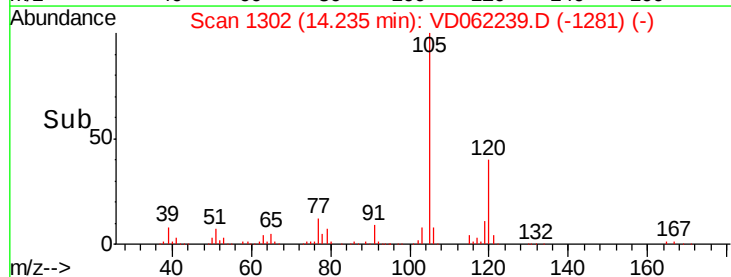
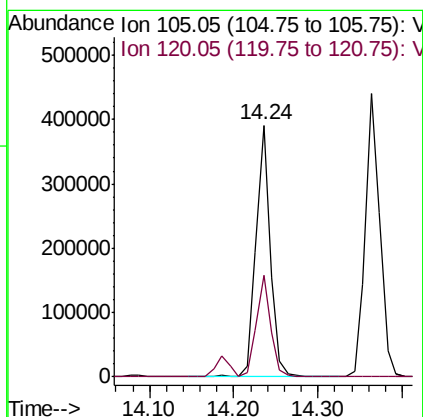
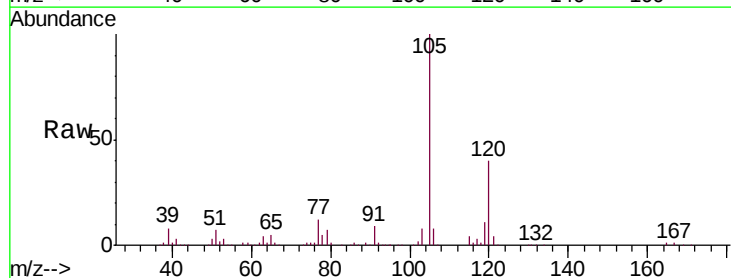
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

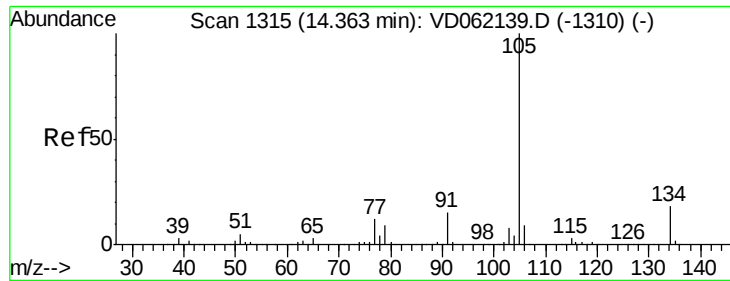
Tgt Ion:119 Resp: 577761
 Ion Ratio Lower Upper
 119 100
 91 78.1 34.2 102.6
 134 20.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 71.842 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion:105 Resp: 470708
 Ion Ratio Lower Upper
 105 100
 120 40.4 23.1 69.2

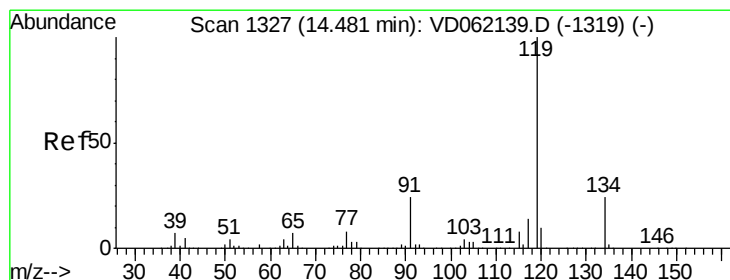
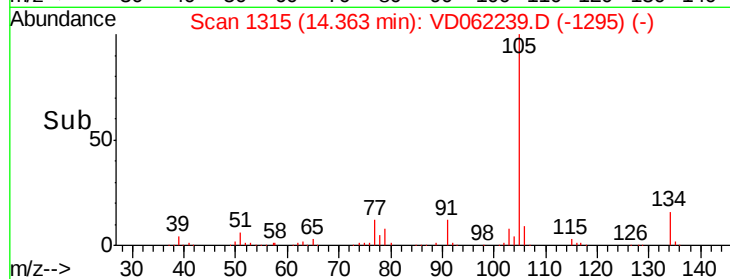
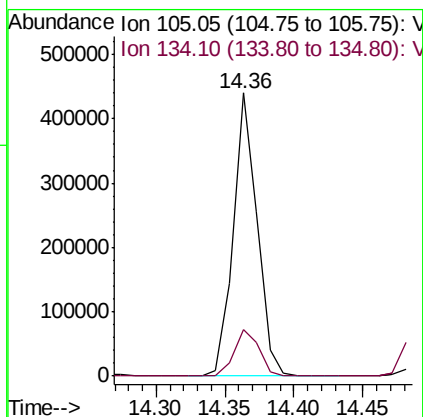
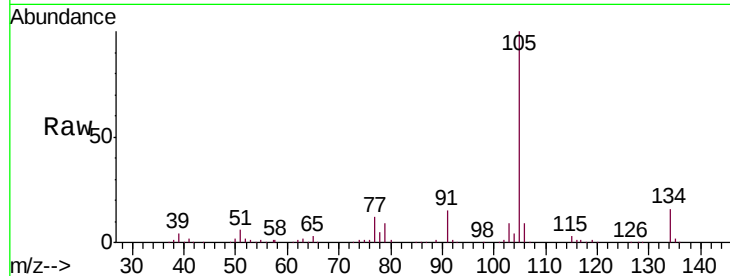




#85
 sec-Butylbenzene
 Concen: 65.969 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

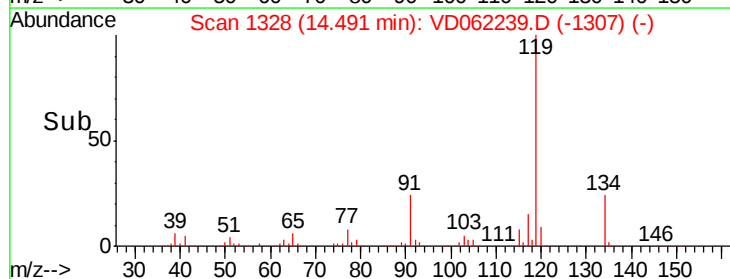
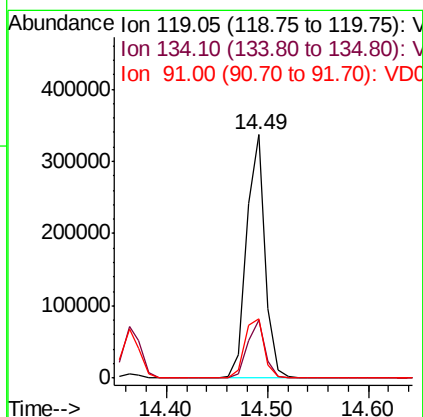
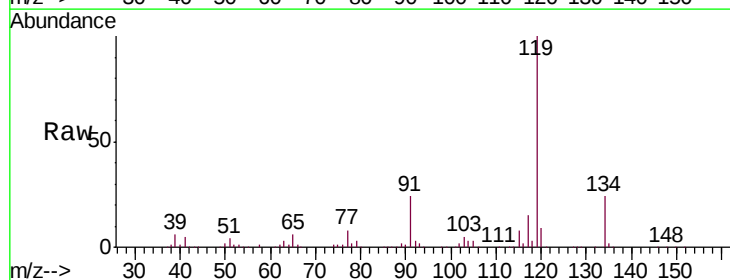
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

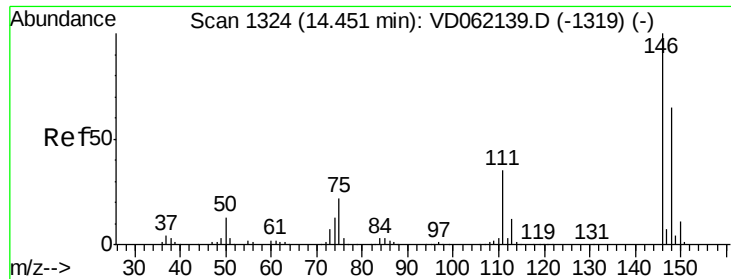
Tgt Ion:105 Resp: 530800
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 59.887 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion:119 Resp: 430513
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 24.4 10.7 32.1

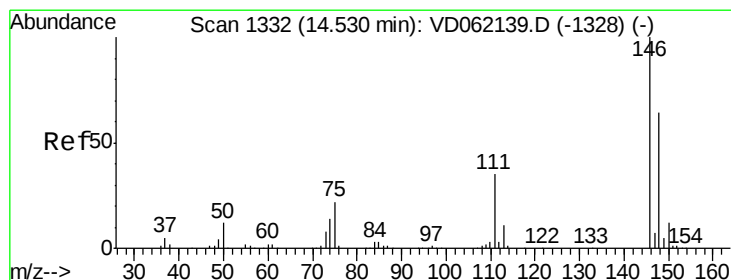
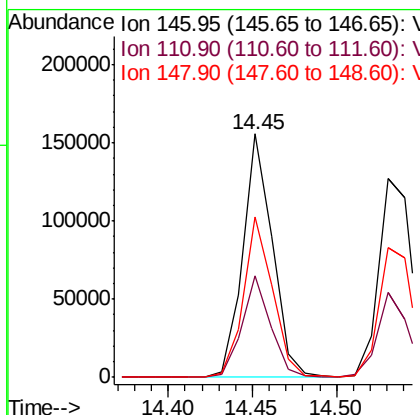
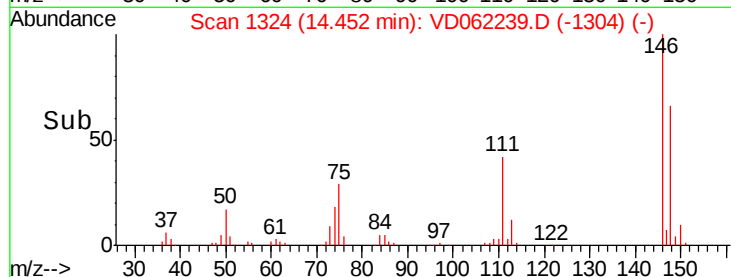
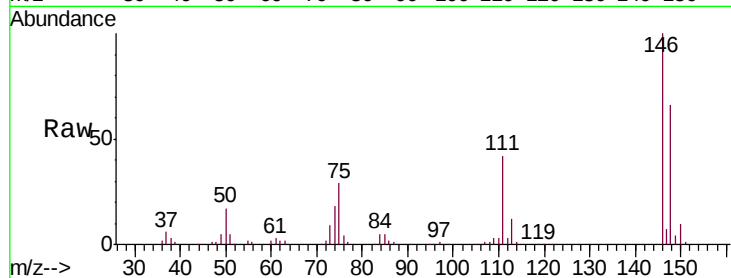




#87
 1,3-Dichlorobenzene
 Concen: 47.755 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

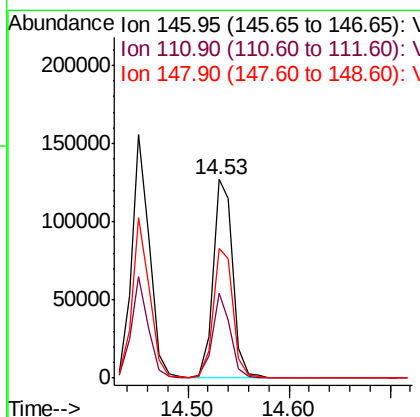
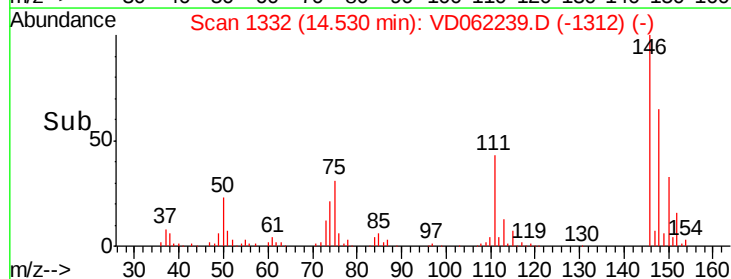
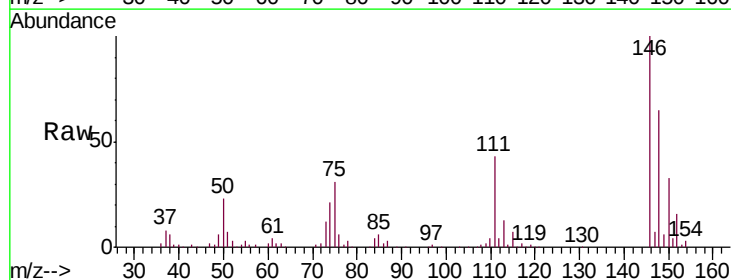
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MSD

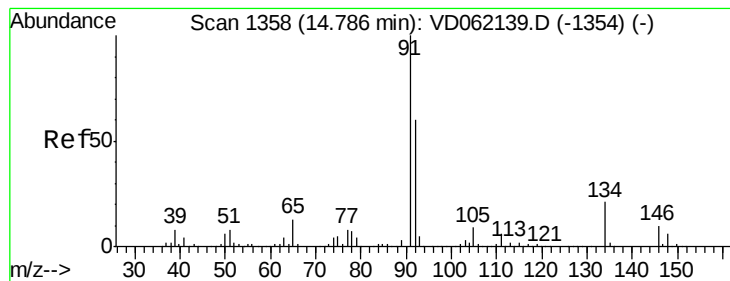
Tgt Ion:146 Resp: 189350
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 60.0
 148 65.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 44.778 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion:146 Resp: 174451
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.2 60.5
 148 65.3 32.0 96.2





#89

n-Butylbenzene

Concen: 36.595 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062239.D

Acq: 11 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MSD

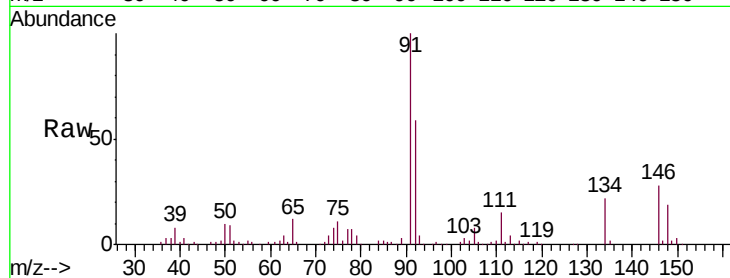
Tgt Ion: 91 Resp: 236132

Ion Ratio Lower Upper

91 100

92 58.6 30.3 91.0

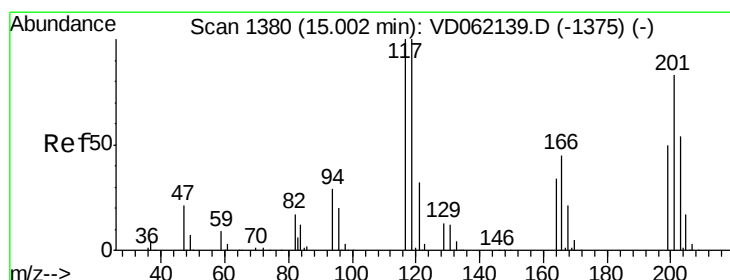
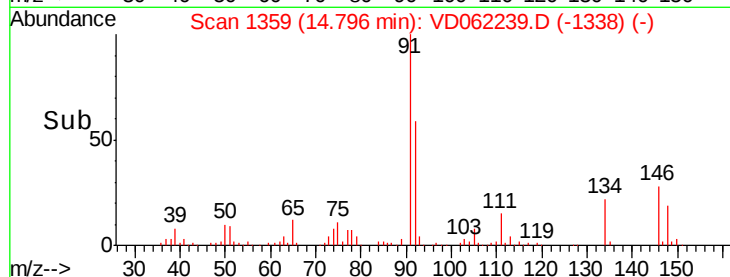
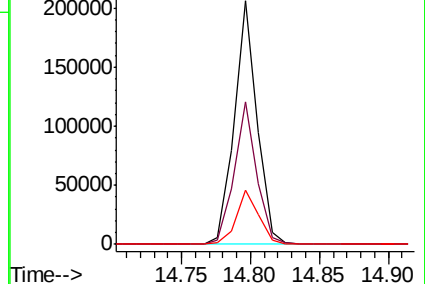
134 22.3 14.5 43.6



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: 74.059 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062239.D

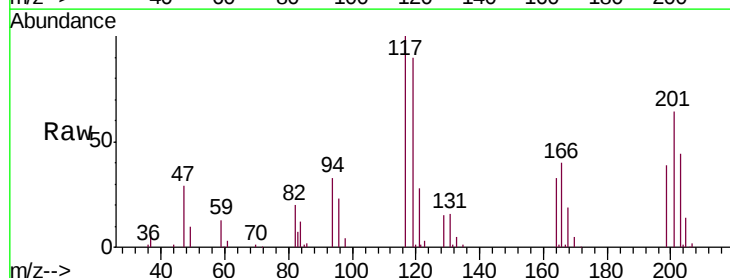
Acq: 11 May 2019 16:03

Tgt Ion: 117 Resp: 144784

Ion Ratio Lower Upper

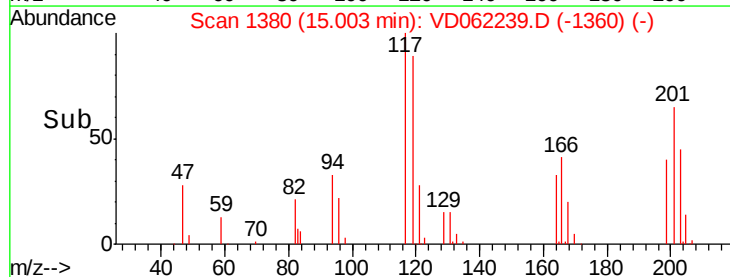
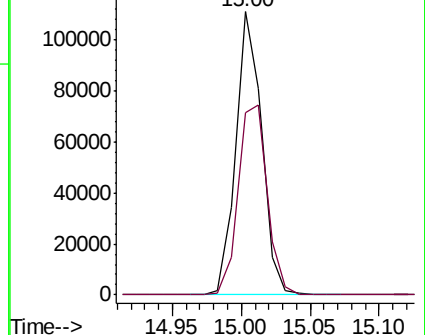
117 100

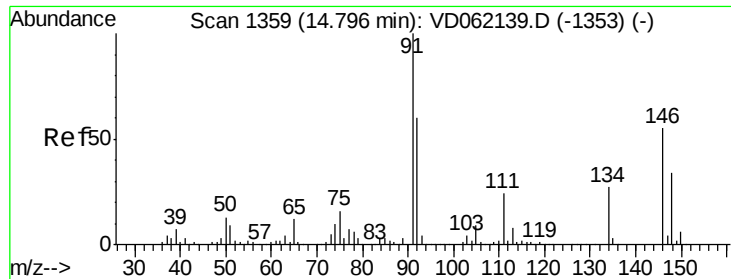
201 64.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

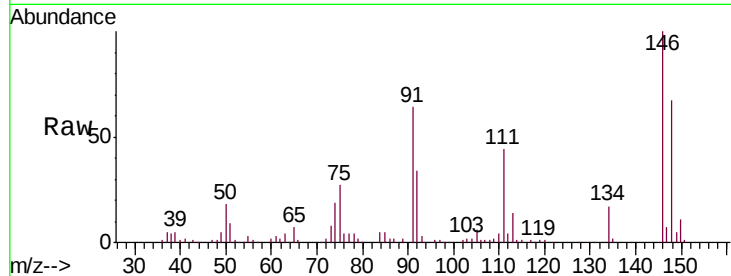




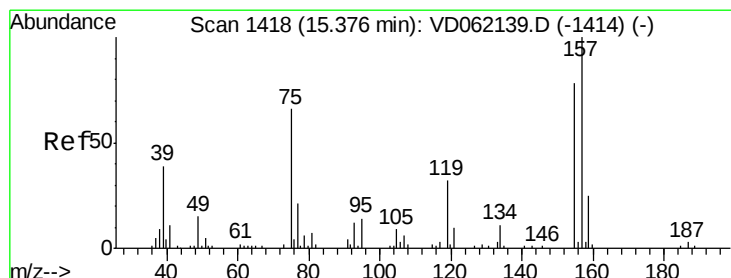
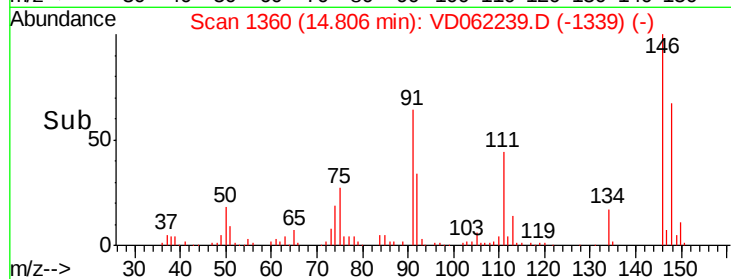
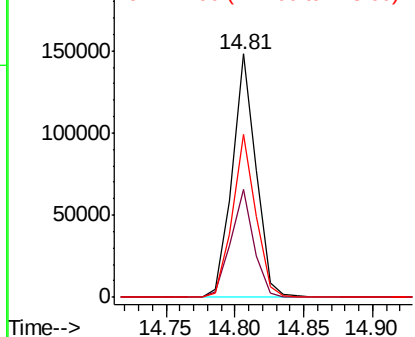
#91
 1,2-Dichlorobenzene
 Concen: 54.363 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion:146 Resp: 177517
 Ion Ratio Lower Upper
 146 100
 111 44.2 20.0 59.9
 148 67.1 32.3 96.8

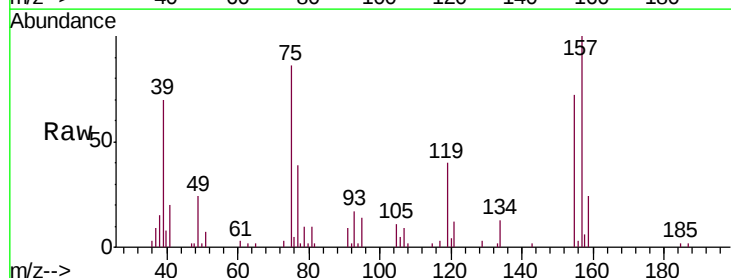


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

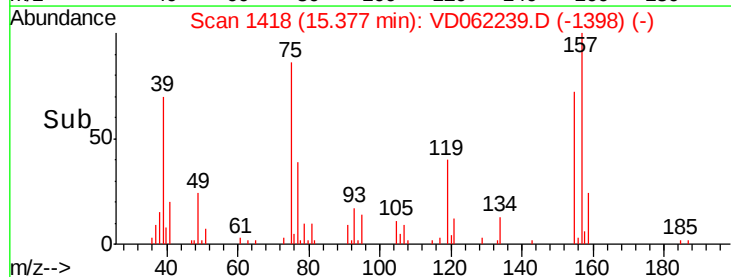
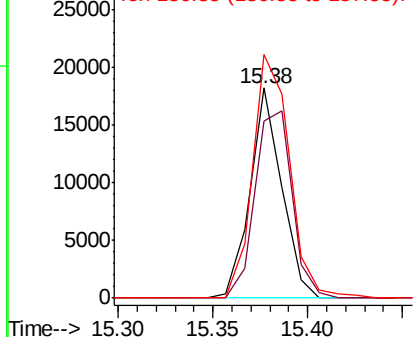


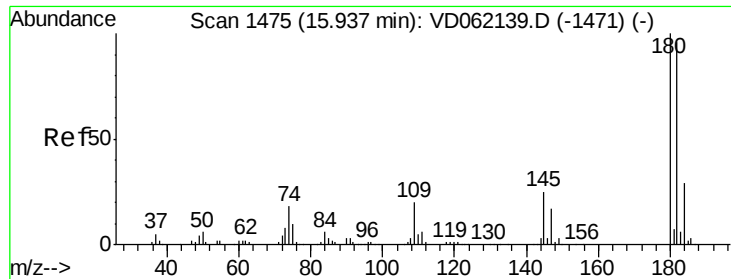
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 87.118 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion: 75 Resp: 20991
 Ion Ratio Lower Upper
 75 100
 155 84.0 55.3 165.8
 157 116.0 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

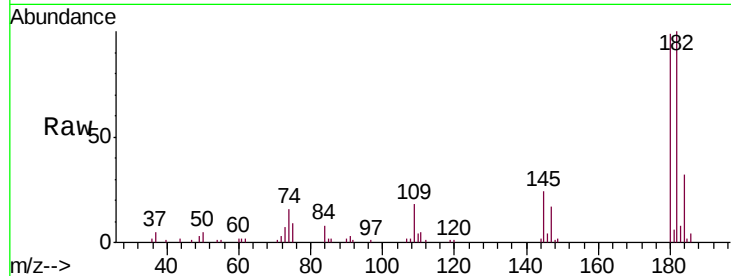




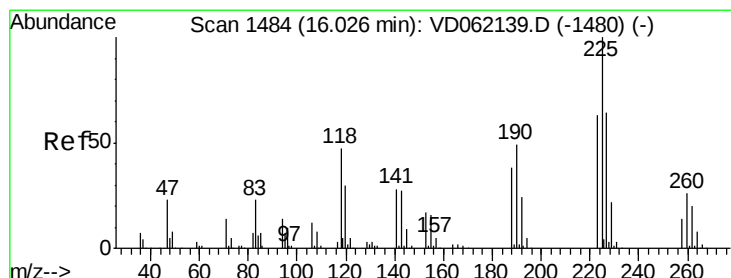
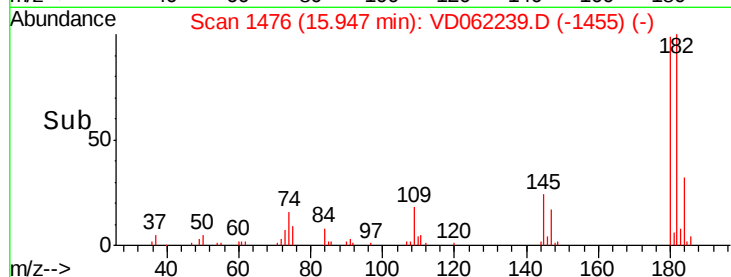
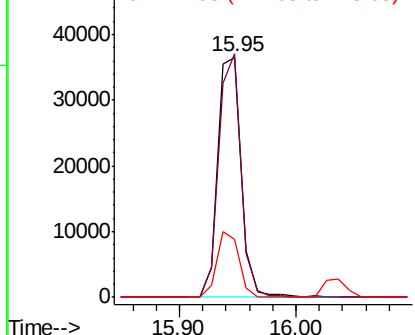
#93
 1,2,4-Trichlorobenzene
 Concen: 21.390 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

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

Tgt Ion:180 Resp: 50840
 Ion Ratio Lower Upper
 180 100
 182 101.3 49.3 147.8
 145 24.1 16.2 48.6

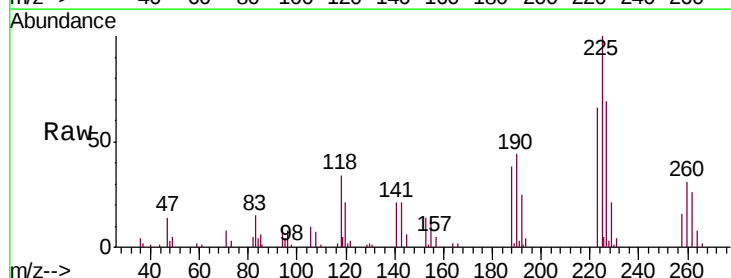


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

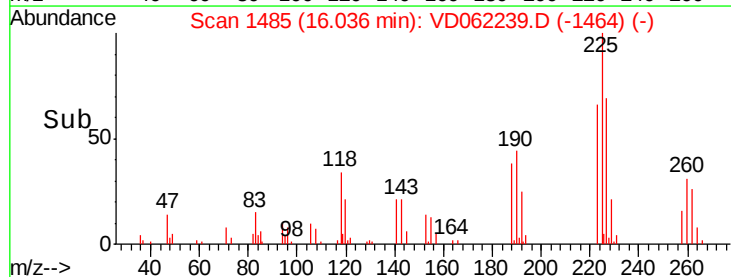
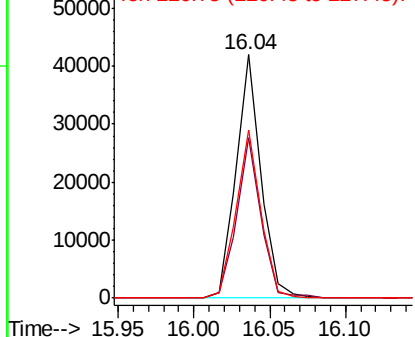


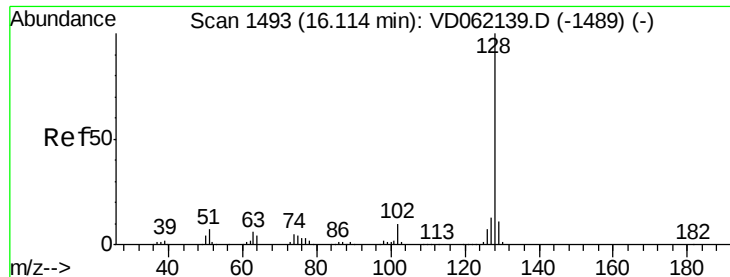
#94
 Hexachlorobutadiene
 Concen: 26.883 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062239.D
 Acq: 11 May 2019 16:03

Tgt Ion:225 Resp: 47523
 Ion Ratio Lower Upper
 225 100
 223 66.0 30.6 92.0
 227 69.2 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

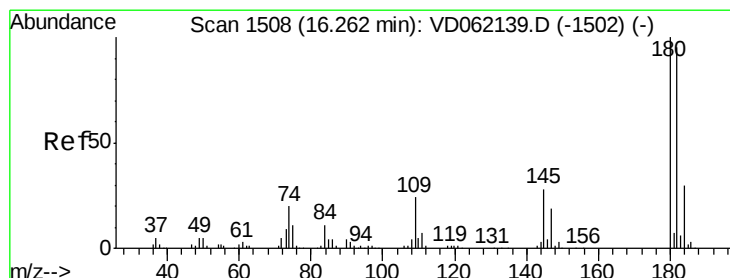
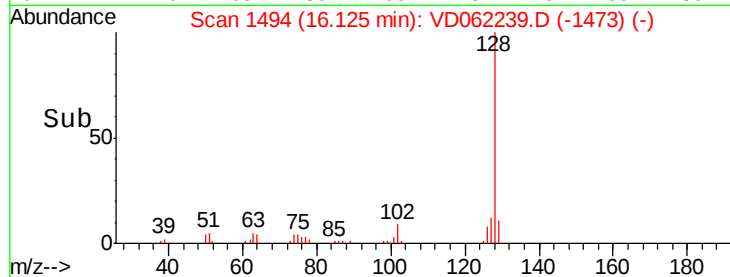
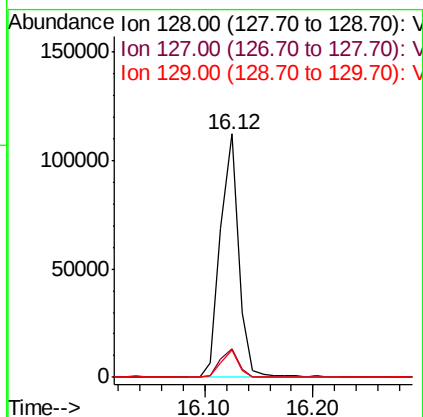
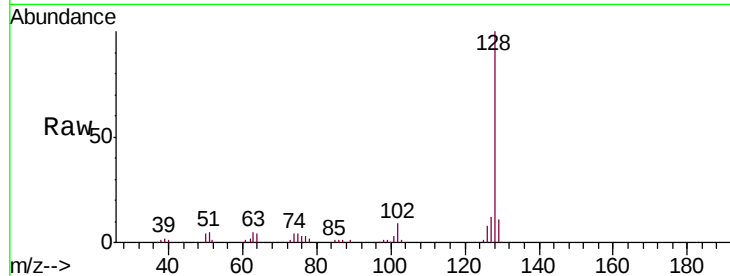




#95
Naphthalene
Concen: 40.088 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

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

Tgt Ion:128 Resp: 133021
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 30.064 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062239.D
Acq: 11 May 2019 16:03

Tgt Ion:180 Resp: 44927
Ion Ratio Lower Upper
180 100
182 99.0 47.0 141.0
145 28.6 17.0 51.0

