

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062368.D
 Acq On : 15 May 2019 2:37
 Operator : FY/SY
 Sample : K2756-18MS
 Misc : 6.13g/5mL/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 03:32:01 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	7.06	168	41066	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	59952	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	55317	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	26775	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	54594	143.05	ug/l	0.04
Spiked Amount			Recovery	=	286.10%	
35) Dibromofluoromethane	6.93	113	42898	86.24	ug/l	0.04
Spiked Amount			Recovery	=	172.48%	
50) Toluene-d8	10.42	98	72737	60.65	ug/l	0.02
Spiked Amount			Recovery	=	121.30%	
62) 4-Bromofluorobenzene	13.57	95	35189	73.07	ug/l	0.02
Spiked Amount			Recovery	=	146.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	18250	46.466	ug/l	94
3) Chloromethane	1.76	50	13987	49.285	ug/l	96
4) Vinyl Chloride	1.86	62	12835	46.018	ug/l	93
5) Bromomethane	2.17	94	12557	192.139	ug/l	92
6) Chloroethane	2.29	64	7244	61.896	ug/l #	84
7) Trichlorofluoromethane	2.55	101	36976	68.190	ug/l	95
8) Diethyl Ether	2.89	74	9904	94.705	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.17	101	16352	39.864	ug/l	96
10) Methyl Iodide	3.32	142	19968	32.209	ug/l #	57
11) Tert butyl alcohol	4.08	59	21325	1094.701	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	13252	42.322	ug/l #	74
14) Allvl chloride	3.64	41	29791	65.435	ug/l #	79
15) Acrylonitrile	4.21	53	46738	912.801	ug/l #	82
16) Acetone	3.23	43	116282	1452.940	ug/l #	80
17) Carbon Disulfide	3.40	76	32708	36.312	ug/l	97
18) Methyl Acetate	3.66	43	120165	844.335	ug/l #	87
19) Methyl tert-butyl Ether	4.26	73	84458	125.839	ug/l	94
20) Methylene Chloride	3.83	84	24522	73.383	ug/l	92
21) trans-1,2-Dichloroethene	4.25	96	17775	51.014	ug/l	96
22) Diisopropyl ether	5.14	45	83532	86.220	ug/l #	87
23) Vinyl Acetate	5.14	43	39131	76.553	ug/l #	77
24) 1,1-Dichloroethane	5.00	63	38816	66.414	ug/l #	95
25) 2-Butanone	6.09	43	94238	1079.524	ug/l #	89
26) 2,2-Dichloropropane	6.05	77	32832	56.395	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	23932	61.363	ug/l	94
28) Bromochloromethane	6.46	49	27653	120.260	ug/l #	79
29) Tetrahydrofuran	6.48	42	45134	1122.112	ug/l	91
30) Chloroform	6.69	83	55003	78.088	ug/l	97
31) Cyclohexane	6.96	56	13432	33.546	ug/l	88
32) 1,1,1-Trichloroethane	6.89	97	41681	62.607	ug/l	99
36) 1,1-Dichloropropene	7.17	75	23082	46.957	ug/l	83
37) Ethyl Acetate	6.09	43	94238	452.068	ug/l #	84
38) Carbon Tetrachloride	7.14	117	35796	52.614	ug/l #	93
39) Methylcyclohexane	8.88	83	9547	20.271	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.47	78	60389	54.406	ug/l	96
41) Methacrylonitrile	6.47	41	50328	197.561	ug/l #	72
42) 1,2-Dichloroethane	7.60	62	57983	123.295	ug/l	88
43) Isopropyl Acetate	9.26	43	3128	10.580	ug/l #	43
44) Trichloroethene	8.56	130	17799	42.082	ug/l	81
45) 1,2-Dichloropropane	8.95	63	16715	60.881	ug/l #	89
46) Dibromomethane	9.08	93	26936	120.647	ug/l	93
47) Bromodichloromethane	9.39	83	48372	88.576	ug/l	94
48) Methyl methacrylate	9.14	41	41349	227.063	ug/l #	75
49) 1,4-Dioxane	9.10	88	8243	4195.319	ug/l #	64
51) 4-Methyl-2-Pentanone	10.31	43	177529	934.160	ug/l	90
52) Toluene	10.52	92	40319	55.828	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	43866	92.938	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	35423	68.795	ug/l #	80
55) 1,1,2-Trichloroethane	11.20	97	28154	110.179	ug/l #	87
56) Ethyl methacrylate	11.05	69	2315	8.718	ug/l #	54
57) 1,3-Dichloropropane	11.42	76	42522	110.148	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	105390	726.609	ug/l	98
59) 2-Hexanone	11.54	43	125841	898.430	ug/l	87
60) Dibromochloromethane	11.70	129	44629	101.060	ug/l	92
61) 1,2-Dibromoethane	11.81	107	36537	117.609	ug/l	89
64) Tetrachloroethene	11.27	164	15703	36.303	ug/l	96
65) Chlorobenzene	12.40	112	46475	45.108	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	27048	60.321	ug/l	92
67) Ethyl Benzene	12.53	91	79141	45.882	ug/l	94
68) m/p-Xylenes	12.68	106	46711	74.434	ug/l	81
69) o-Xylene	13.05	106	28610	49.038	ug/l	79
70) Stvrene	13.08	104	52197	52.813	ug/l #	91
71) Bromoform	13.24	173	32220	103.280	ug/l #	96
73) Isopropylbenzene	13.41	105	65712	40.943	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	39957	131.506	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	43864	137.850	ug/l	97
77) Bromobenzene	13.67	156	27017	60.132	ug/l	85
78) n-propylbenzene	13.78	91	67670	35.345	ug/l	95
79) 2-Chlorotoluene	13.85	91	53281	48.592	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	54641	40.429	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.48	75	8277	92.141	ug/l #	39
82) 4-Chlorotoluene	13.95	91	60946	47.234	ug/l	74
83) tert-Butylbenzene	14.20	119	61328	40.371	ug/l	84
84) 1,2,4-Trimethylbenzene	14.24	105	59558	43.914	ug/l	87
85) sec-Butylbenzene	14.37	105	39377	23.642	ug/l	98
86) p-Isopropyltoluene	14.50	119	40508	27.222	ug/l	91
87) 1,3-Dichlorobenzene	14.46	146	33585	40.920	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	37429	46.413	ug/l	93
89) n-Butylbenzene	14.81	91	29096	21.784	ug/l	89
90) Hexachloroethane	15.01	117	11117	27.471	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	32717	48.402	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	9175	183.955	ug/l	70
93) 1,2,4-Trichlorobenzene	15.95	180	15195	30.885	ug/l	91
94) Hexachlorobutadiene	16.05	225	3204	8.756	ug/l	88

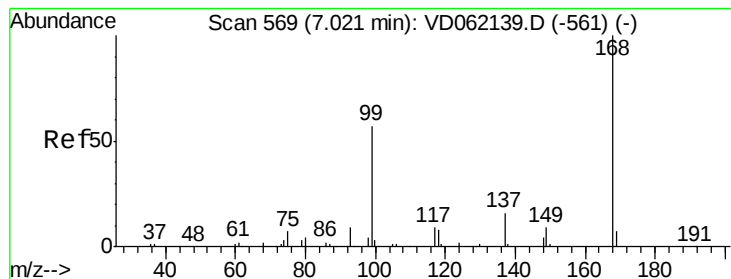
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.12	128	46025	67.007	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.27	180	11825	38.227	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

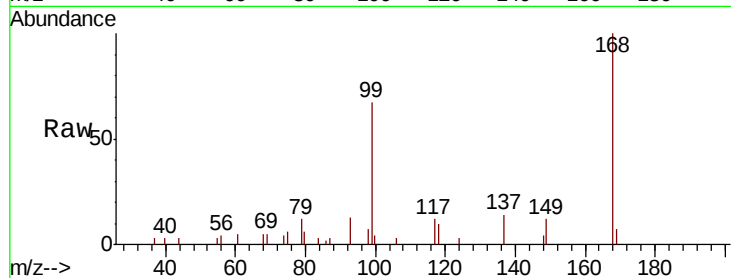
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 41066

Ion Ratio Lower Upper

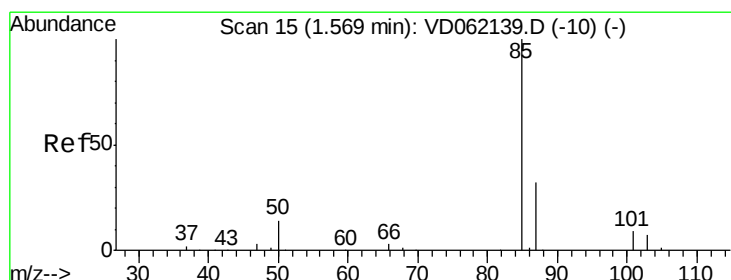
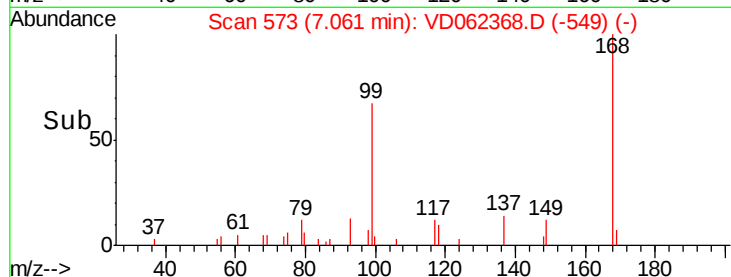
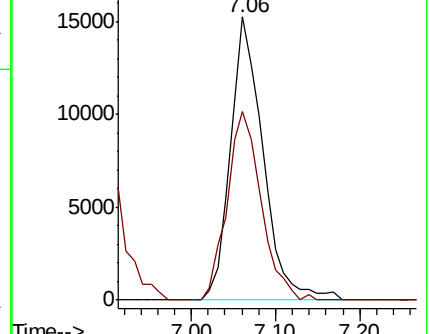
168 100

99 66.8 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: 46.466 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062368.D

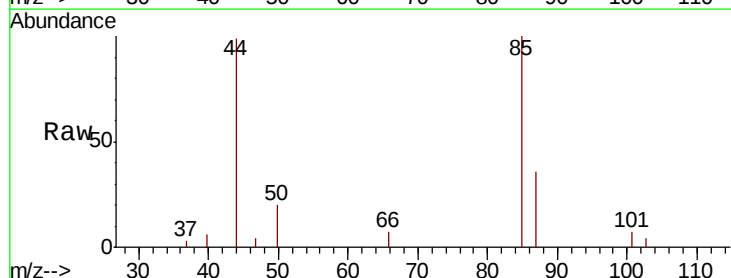
Acq: 15 May 2019 2:37

Tgt Ion: 85 Resp: 18250

Ion Ratio Lower Upper

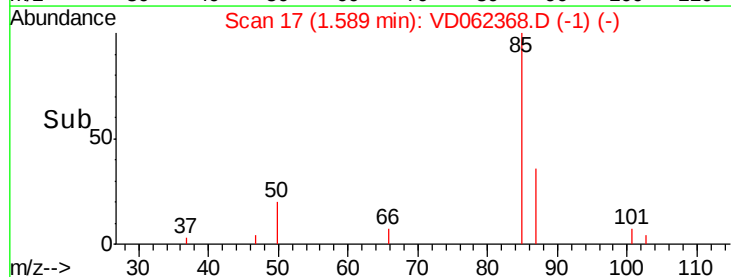
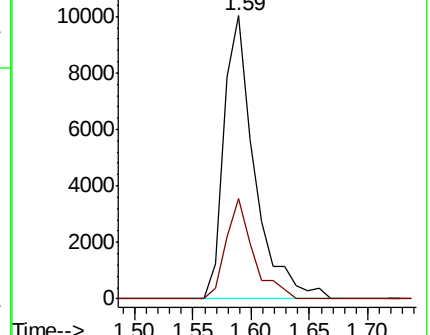
85 100

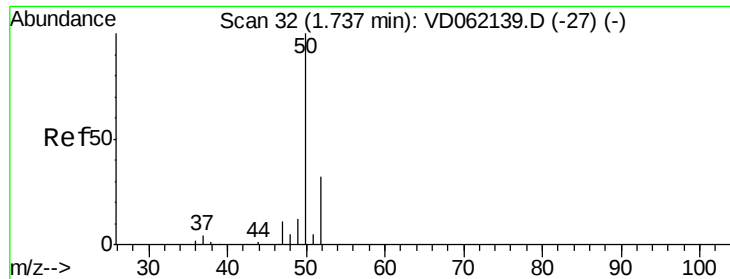
87 35.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.285 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

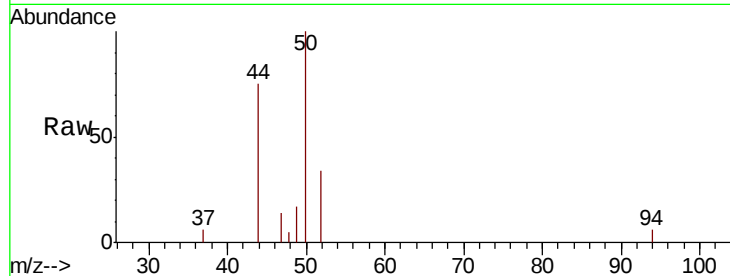
ClientSampled :

Tot Ion: 50 Resp: 13987

Ion Ratio Lower Upper

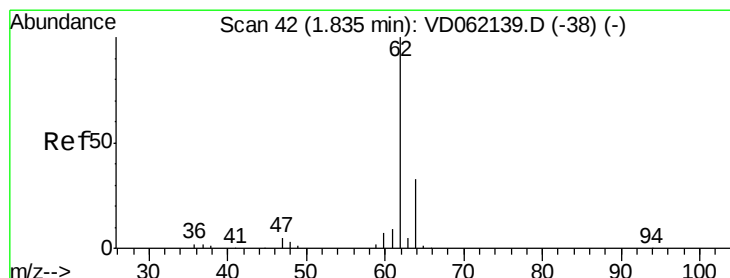
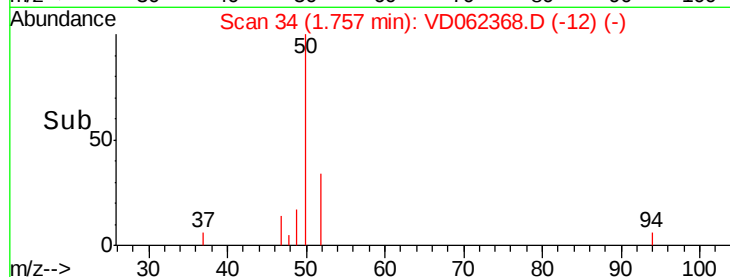
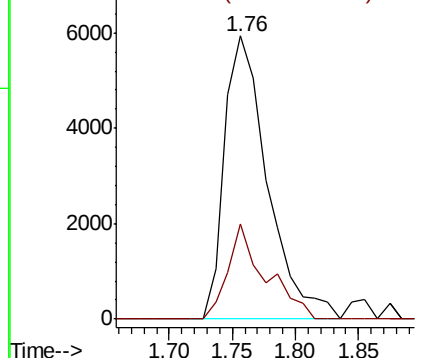
50 100

52 33.6 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: 46.018 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.03 min

Lab File: VD062368.D

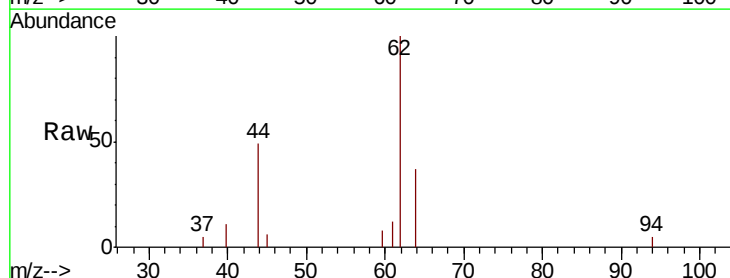
Acq: 15 May 2019 2:37

Tgt Ion: 62 Resp: 12835

Ion Ratio Lower Upper

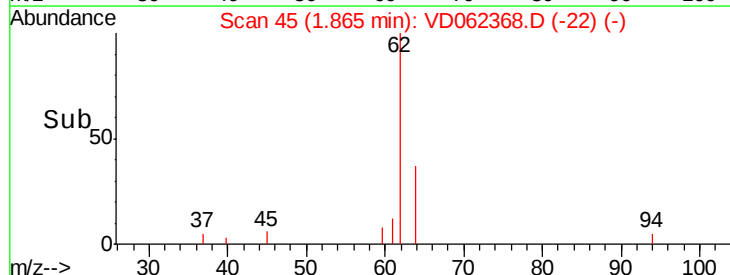
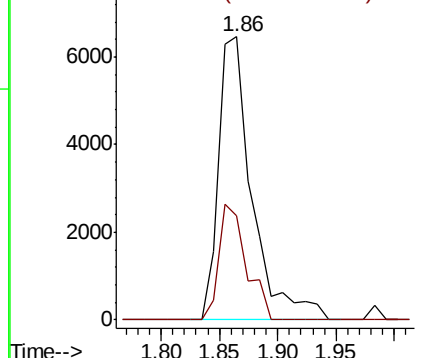
62 100

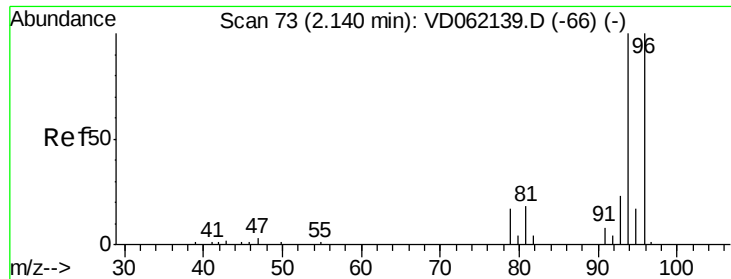
64 37.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 192.139 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

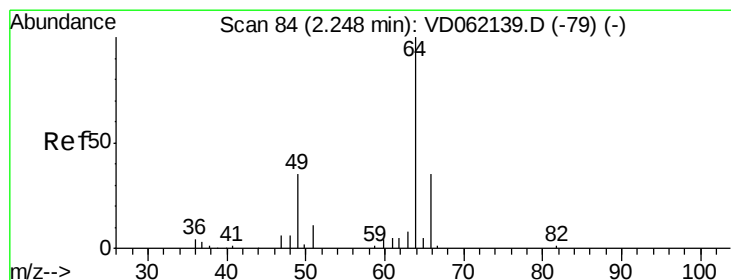
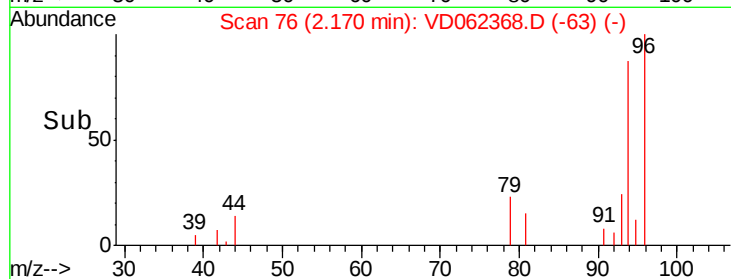
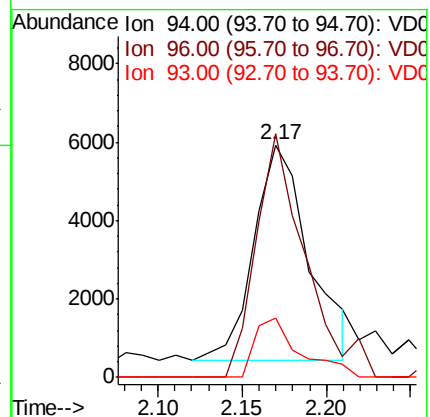
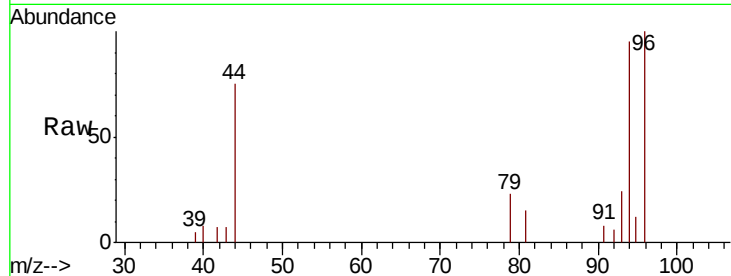
Tot Ion: 94 Resp: 12557

Ion Ratio Lower Upper

94 100

96 104.8 76.6 115.0

93 25.3 18.5 27.7



#6

Chloroethane

Concen: 61.896 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.04 min

Lab File: VD062368.D

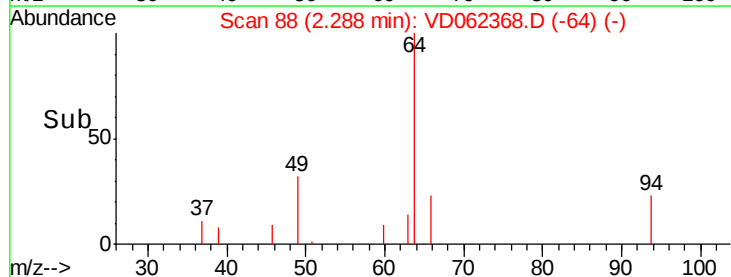
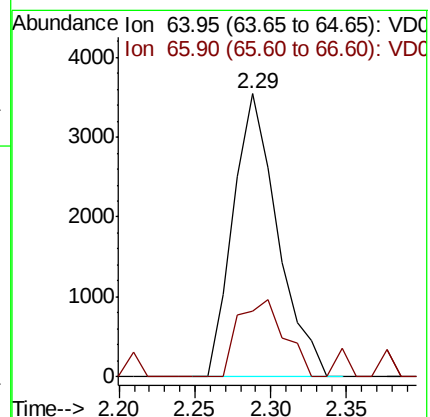
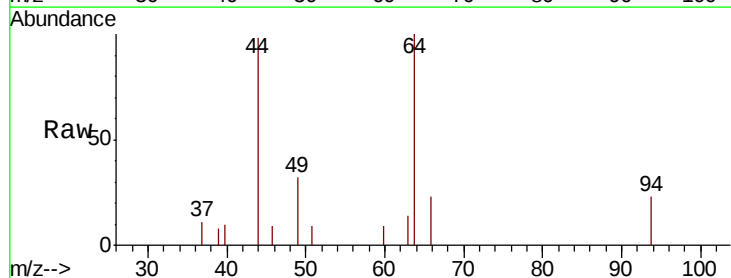
Acq: 15 May 2019 2:37

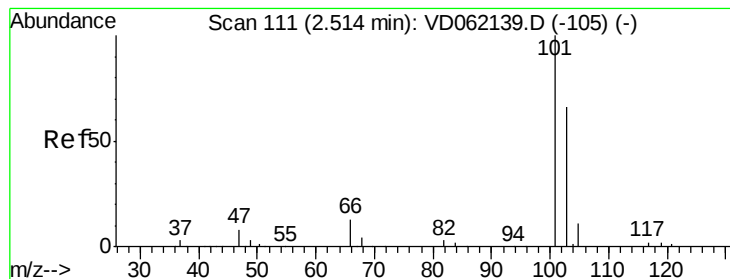
Tgt Ion: 64 Resp: 7244

Ion Ratio Lower Upper

64 100

66 23.1 25.6 38.4#



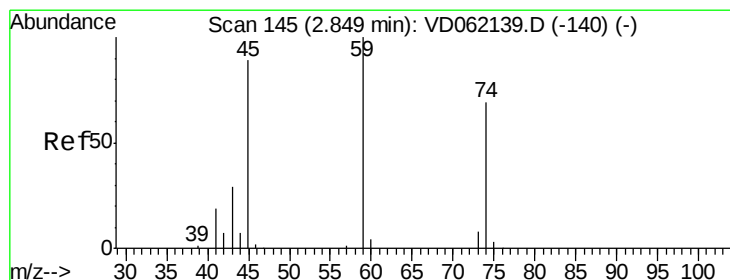
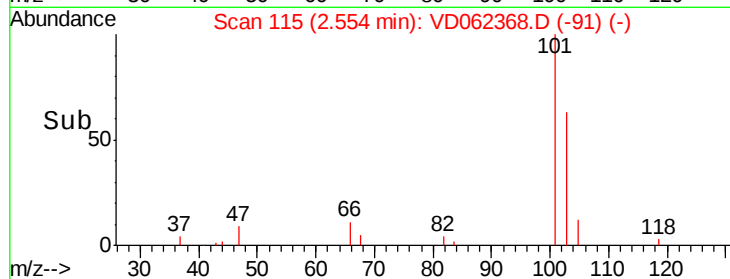
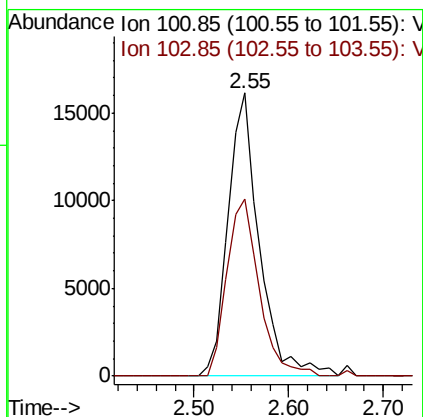
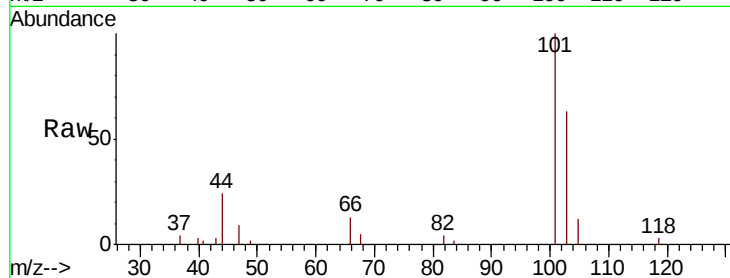


#7

Trichlorofluoromethane
Concen: 68.190 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

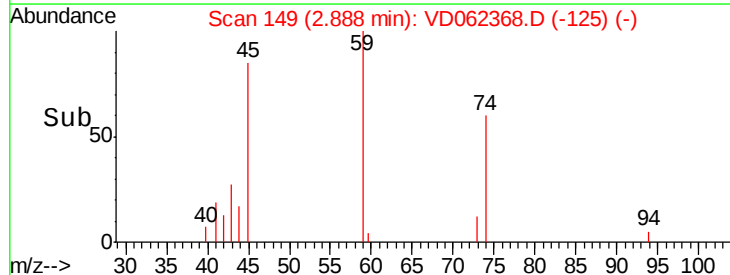
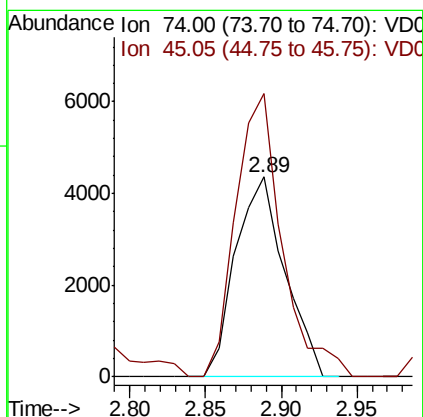
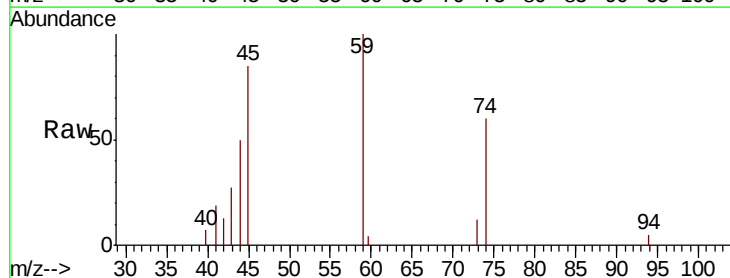
Tot Ion:101 Resp: 36976
Ion Ratio Lower Upper
101 100
103 62.7 53.6 80.4

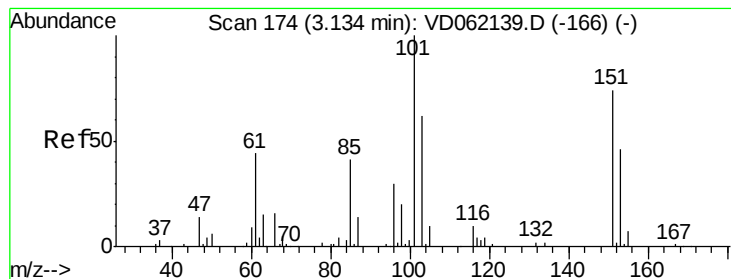


#8

Diethyl Ether
Concen: 94.705 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 74 Resp: 9904
Ion Ratio Lower Upper
74 100
45 141.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.864 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

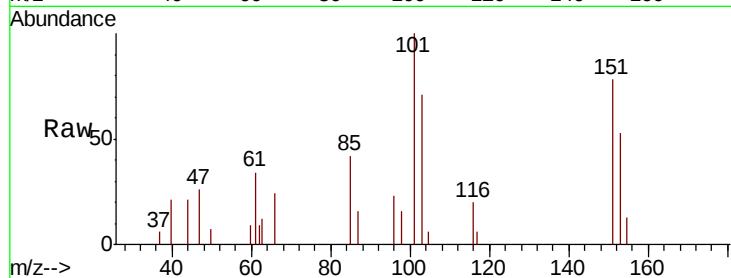
Tot Ion:101 Resp: 16352

Ion Ratio Lower Upper

101 100

85 41.9 32.4 48.6

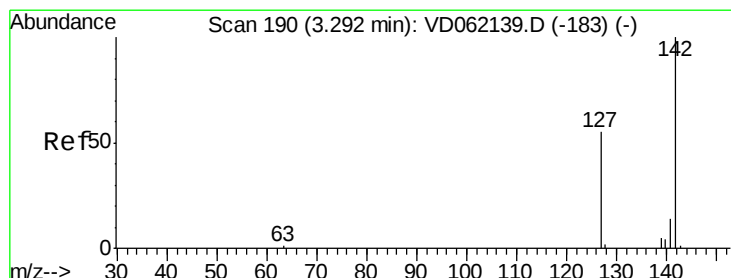
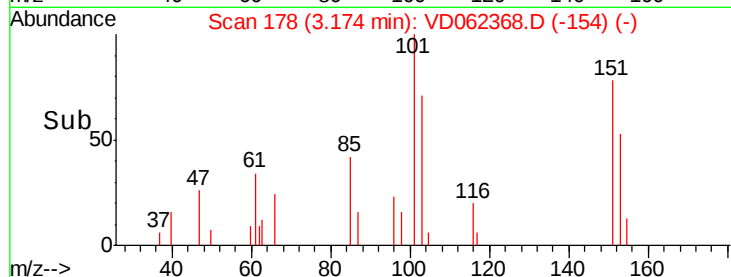
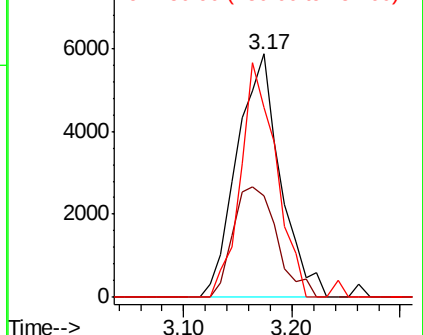
151 78.0 59.4 89.0



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: 32.209 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

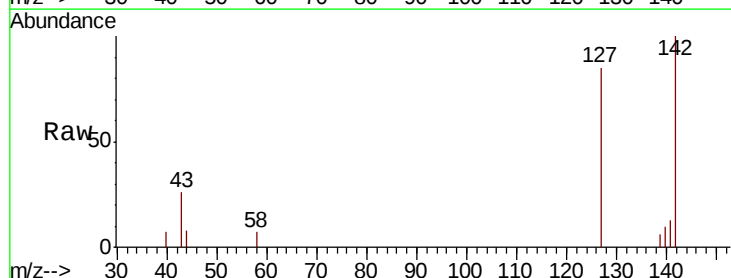
Tgt Ion:142 Resp: 19968

Ion Ratio Lower Upper

142 100

127 85.4 38.8 58.2#

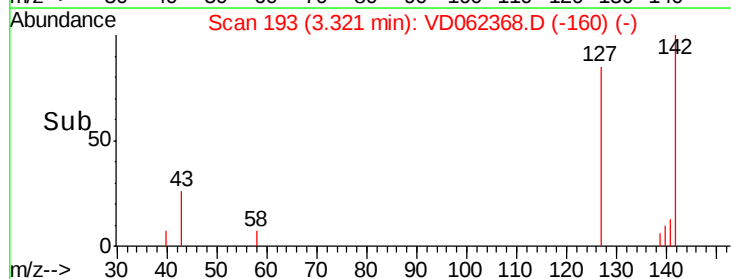
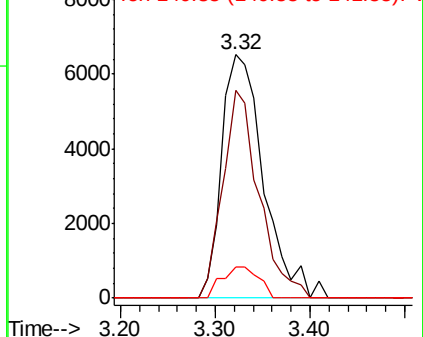
141 12.9 11.4 17.0

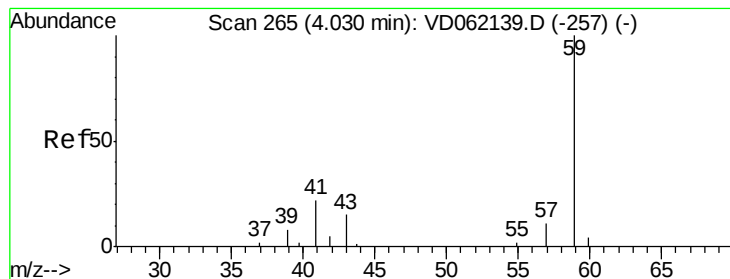


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



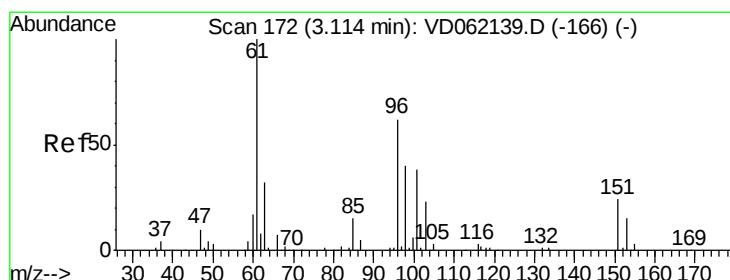
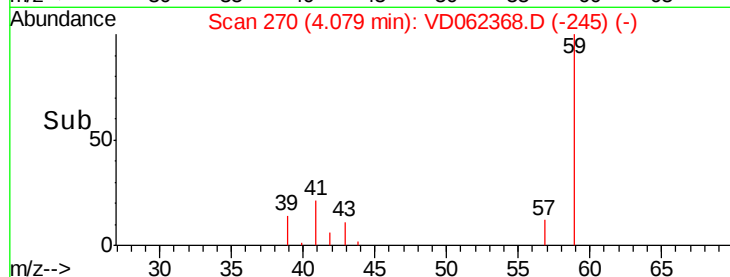
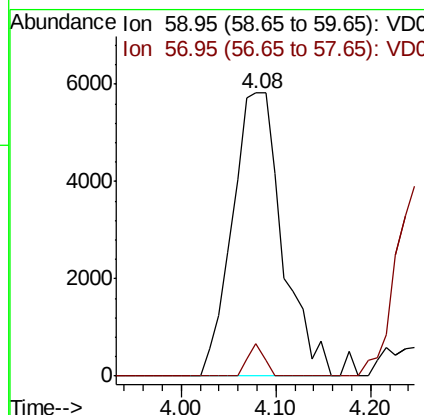
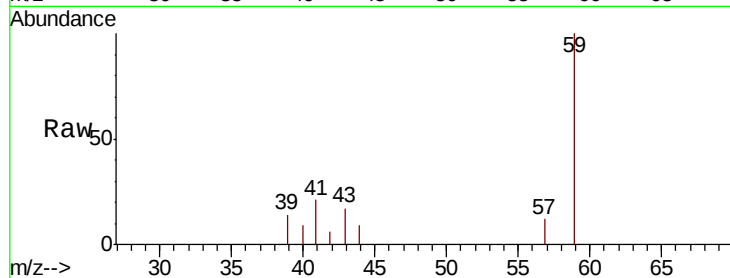


#11

Tert butyl alcohol
 Concen: 1094.701 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

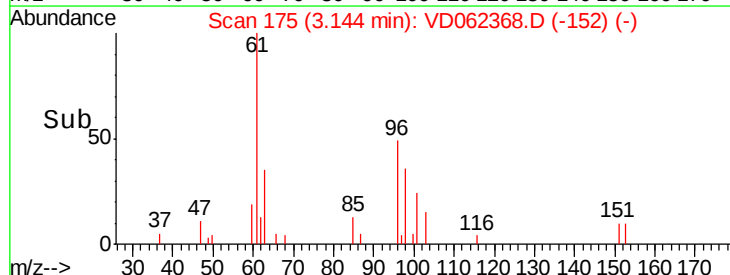
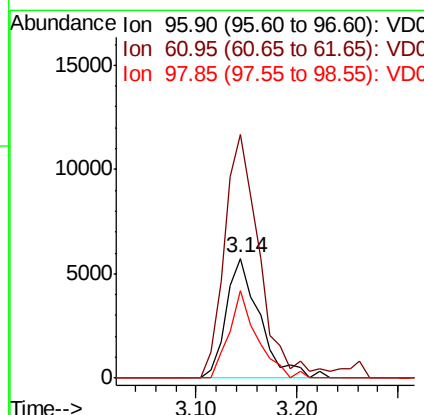
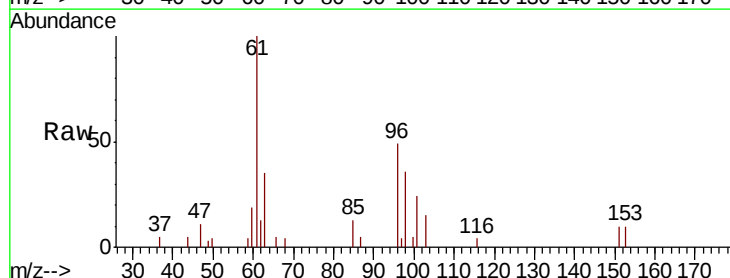
Tot Ion: 59 Resp: 21325
 Ion Ratio Lower Upper
 59 100
 57 11.5 6.9 10.3#

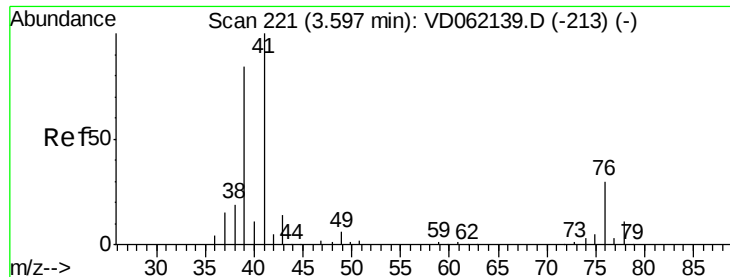


#12

1,1-Dichloroethene
 Concen: 42.322 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.03 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion: 96 Resp: 13252
 Ion Ratio Lower Upper
 96 100
 61 203.7 129.8 194.8#
 98 73.0 51.2 76.8

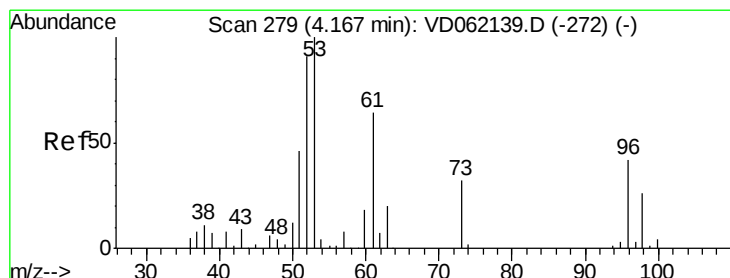
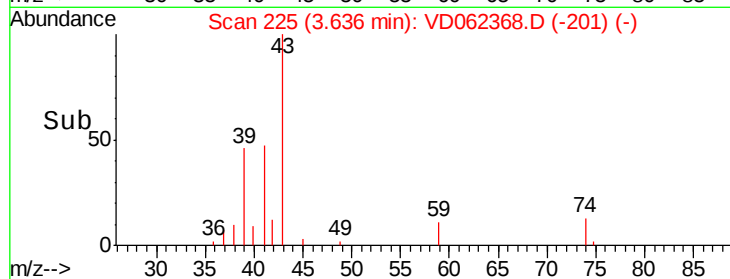
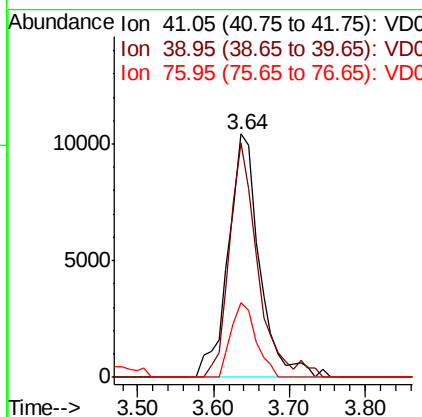
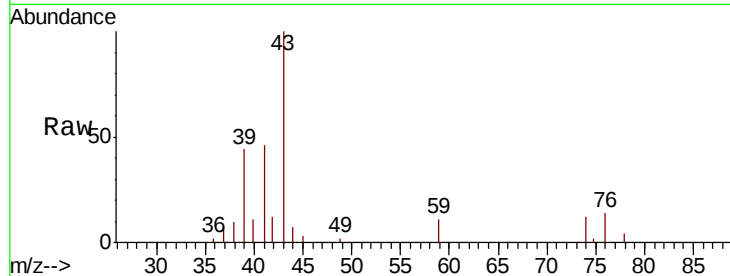




#14
Allvl chloride
Concen: 65.435 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

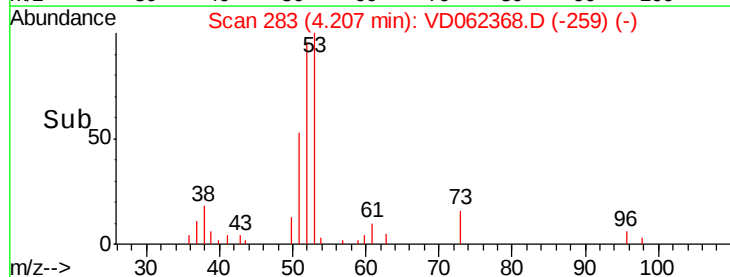
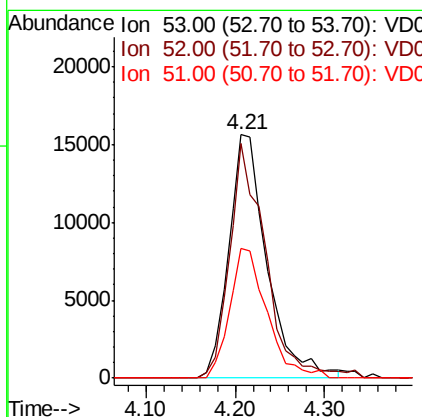
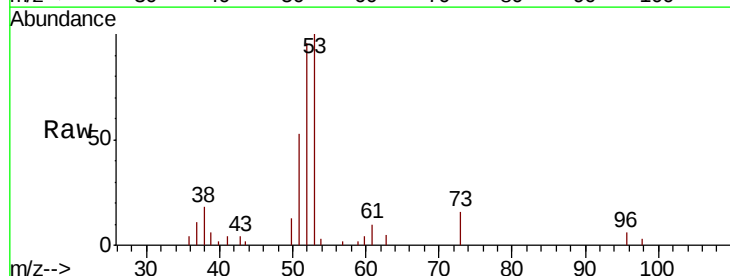
Instrument :
MSVOA_D
ClientSampled :

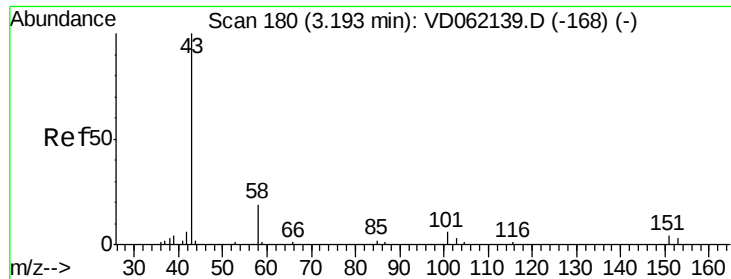
Tot Ion	Ratio	Lower	Upper
41	100		
39	96.2	60.5	90.7#
76	30.8	31.8	47.8#



#15
Acrylonitrile
Concen: 912.801 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion	Ratio	Lower	Upper
53	100		
52	96.4	65.0	97.4
51	53.2	32.6	48.8#





#16

Acetone

Concen: 1452.940 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

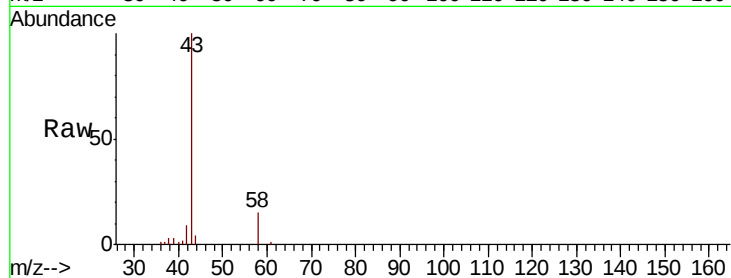
ClientSampleId :

Tot Ion: 43 Resp: 116282

Ion Ratio Lower Upper

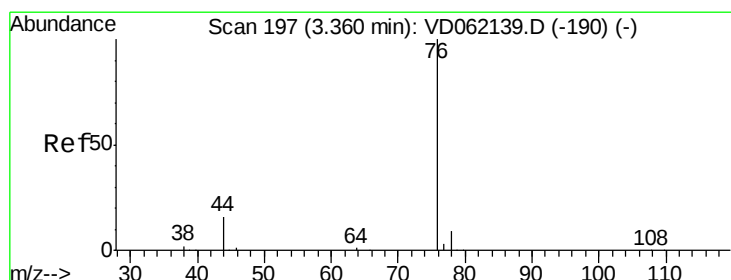
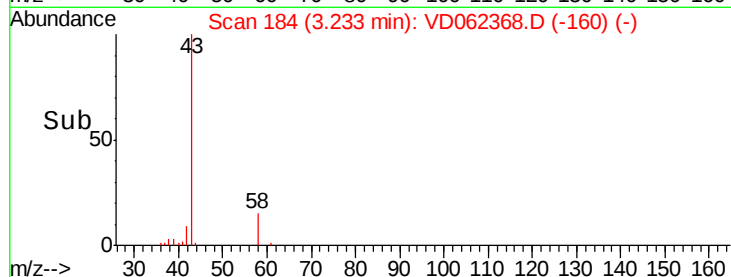
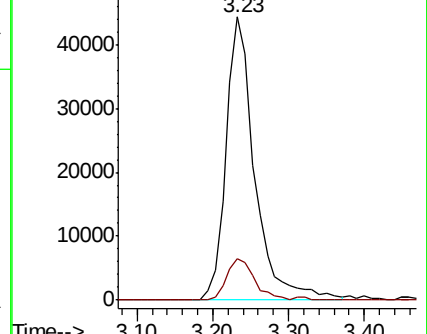
43 100

58 14.8 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 36.312 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.04 min

Lab File: VD062368.D

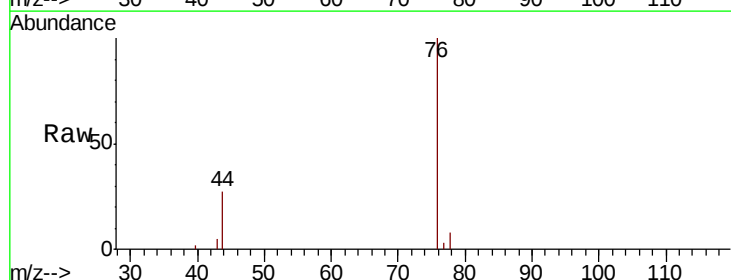
Acq: 15 May 2019 2:37

Tgt Ion: 76 Resp: 32708

Ion Ratio Lower Upper

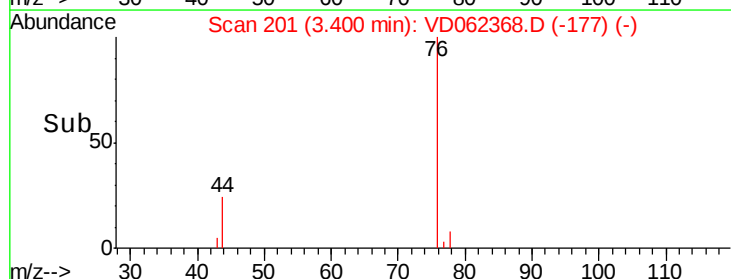
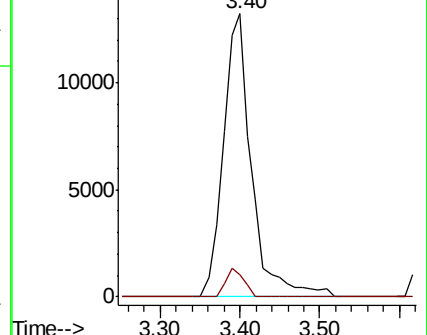
76 100

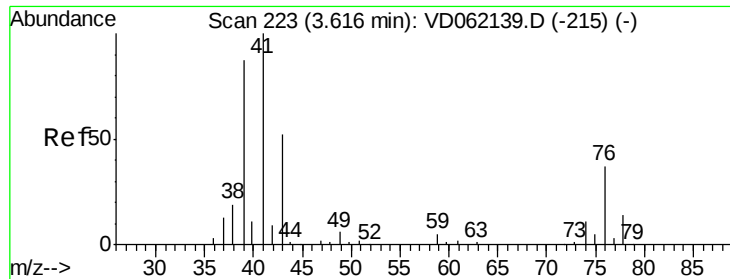
78 8.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

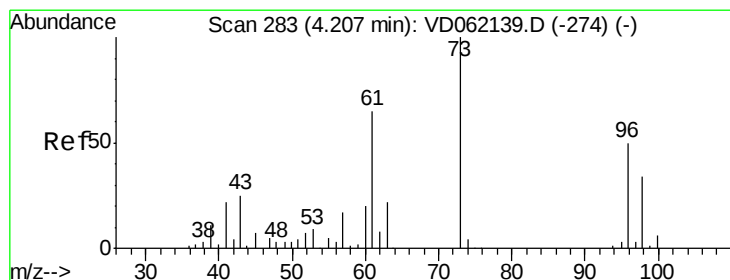
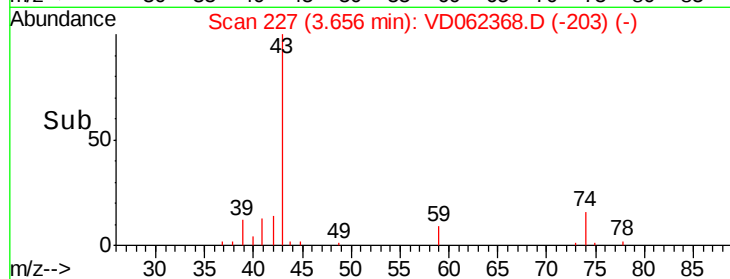
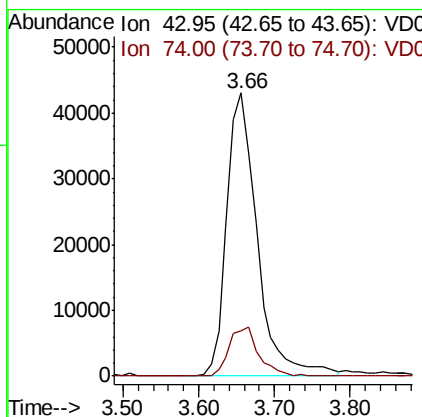
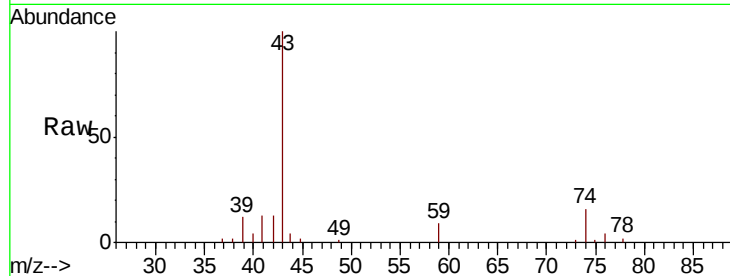




#18
Methyl Acetate
Concen: 844.335 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

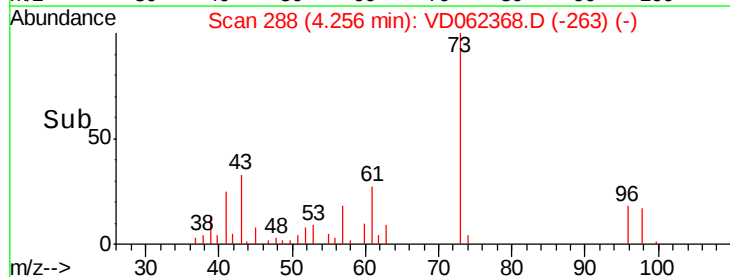
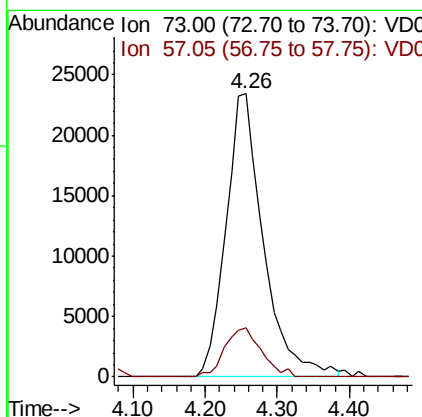
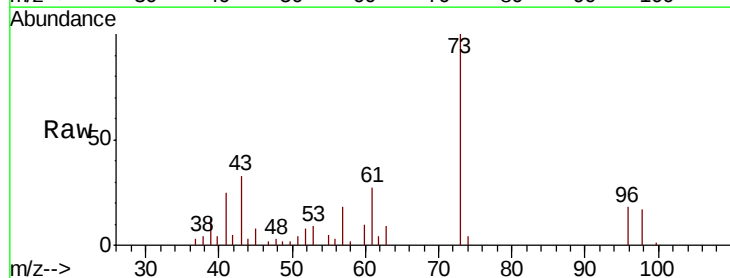
Instrument :
MSVOA_D
ClientSampleId :

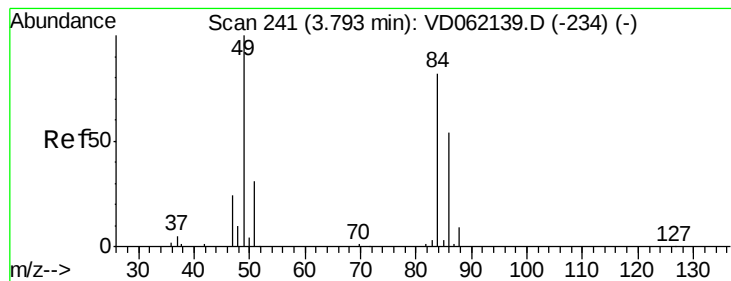
Tot Ion: 43 Resp: 120165
Ion Ratio Lower Upper
43 100
74 16.2 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 125.839 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 73 Resp: 84458
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5





#20

Methylene Chloride

Concen: 73.383 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 24522

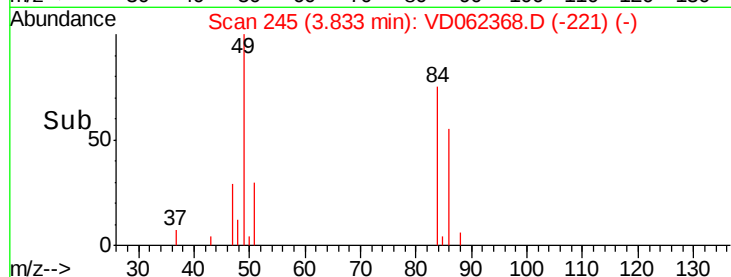
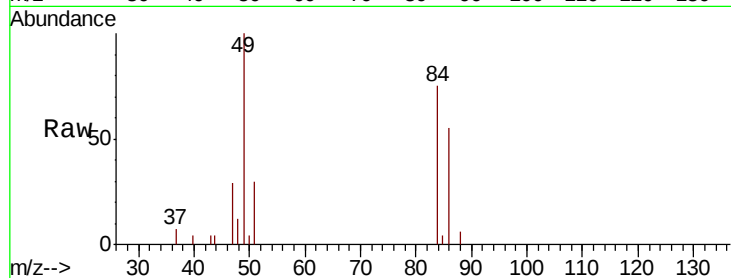
Ion Ratio Lower Upper

84 100

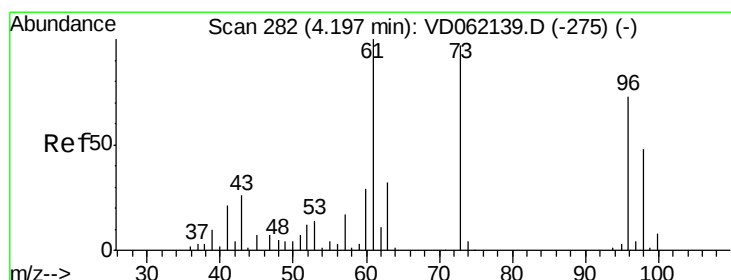
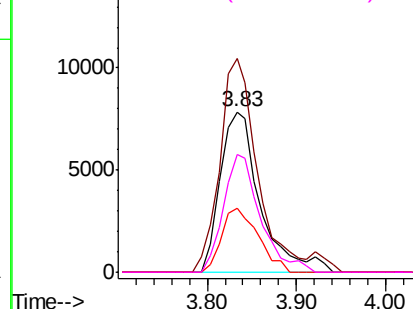
49 127.0 94.0 141.0

51 38.3 29.0 43.4

86 70.1 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 51.014 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

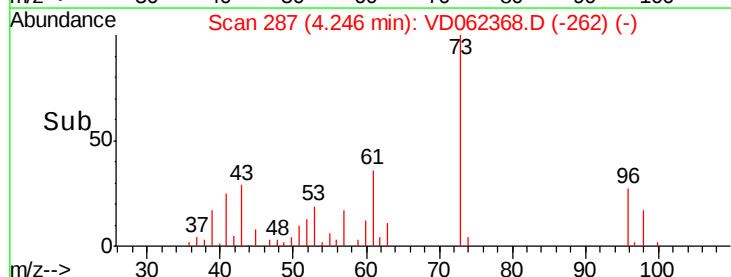
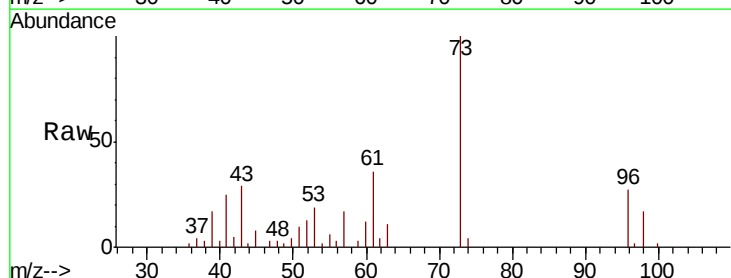
Tgt Ion: 96 Resp: 17775

Ion Ratio Lower Upper

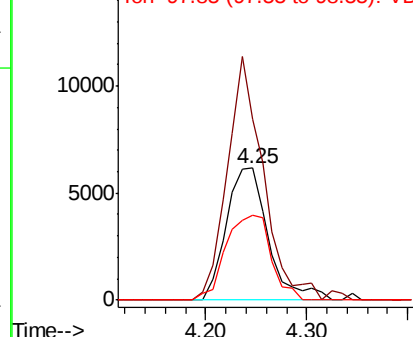
96 100

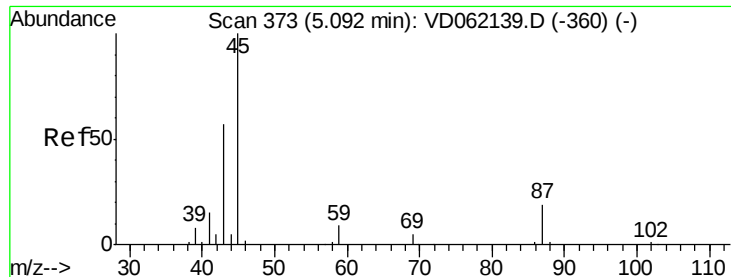
61 136.6 104.4 156.6

98 64.5 51.8 77.8



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





#22

Diisopropyl ether

Concen: 86.220 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 45 Resp: 83532

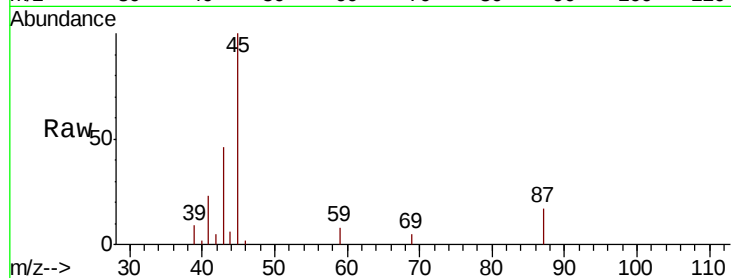
Ion Ratio Lower Upper

45 100

43 45.7 46.2 69.2#

87 17.4 15.9 23.9

59 7.9 7.9 11.9#

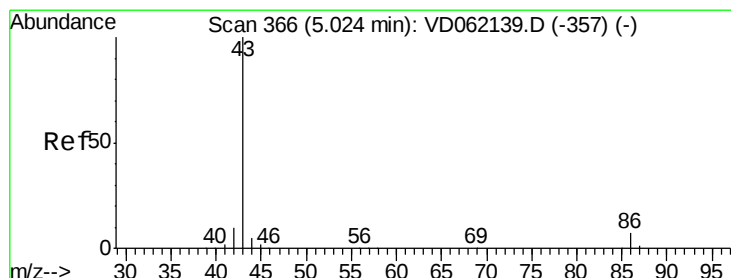
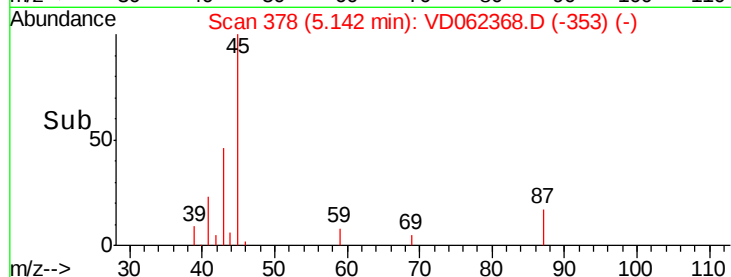
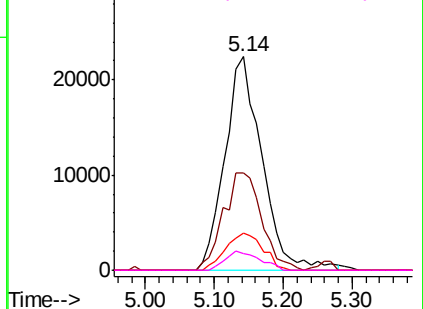


Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 76.553 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.12 min

Lab File: VD062368.D

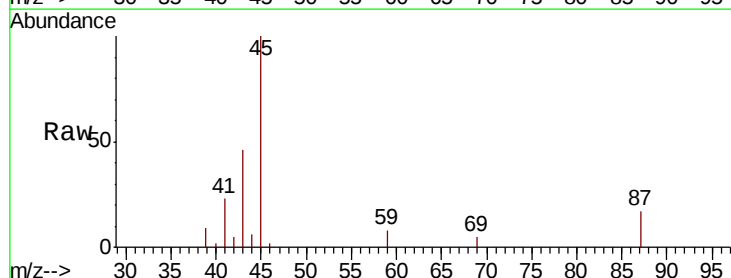
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 39131

Ion Ratio Lower Upper

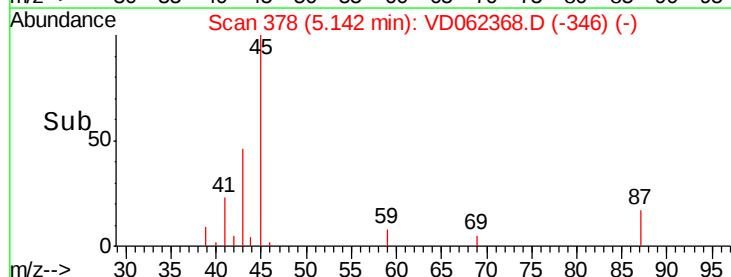
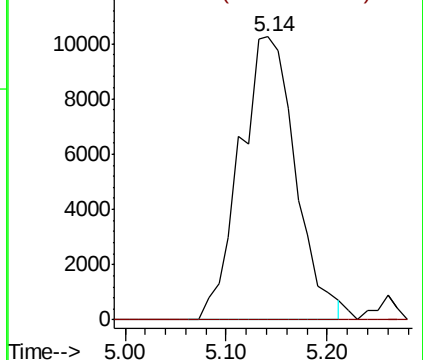
43 100

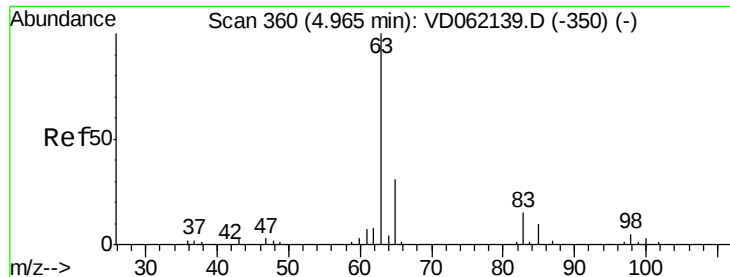
86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 66.414 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

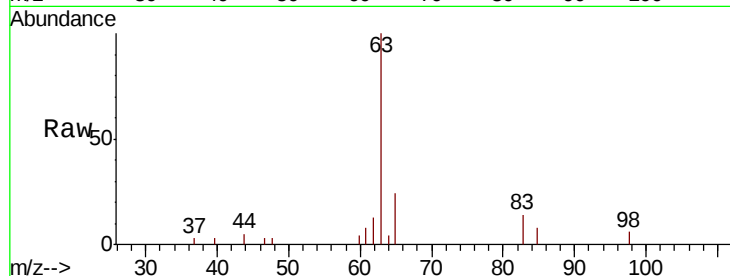
Tot Ion: 63 Resp: 38816

Ion Ratio Lower Upper

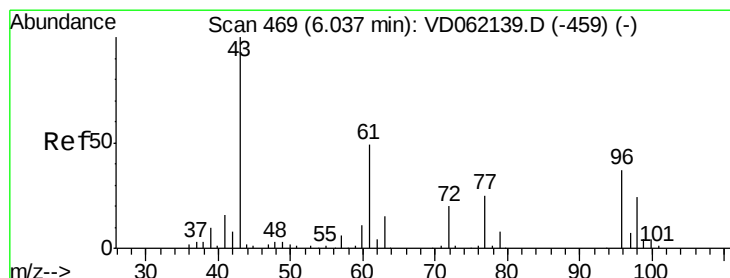
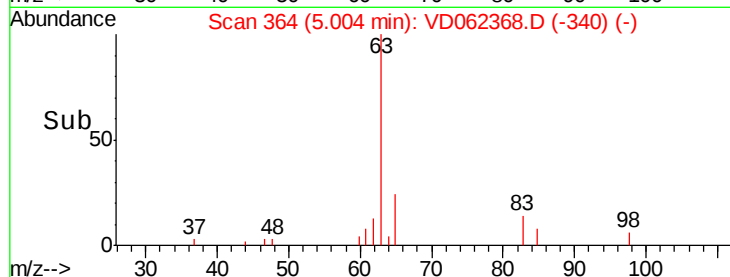
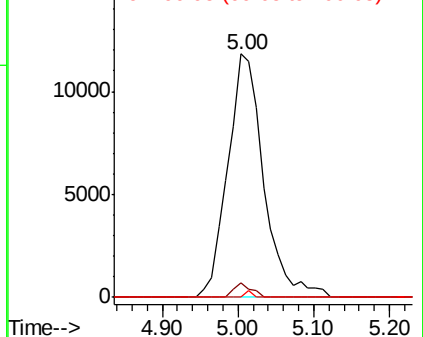
63 100

98 5.8 2.8 8.4

100 0.0 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: 1079.524 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062368.D

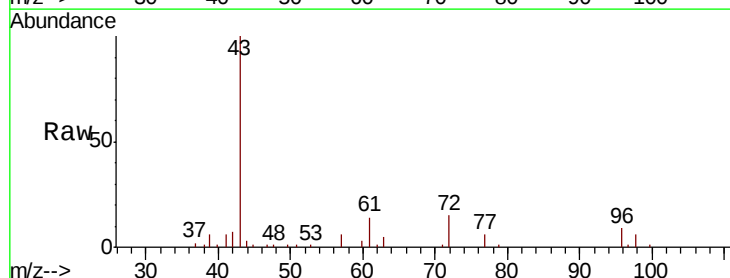
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 94238

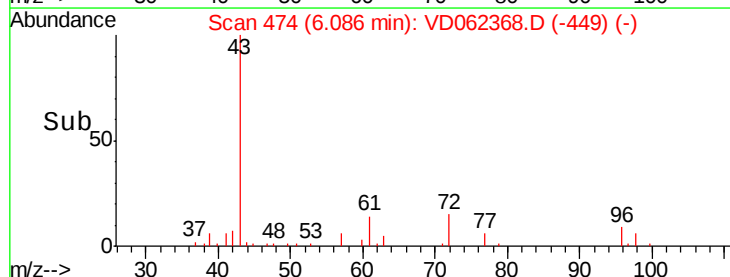
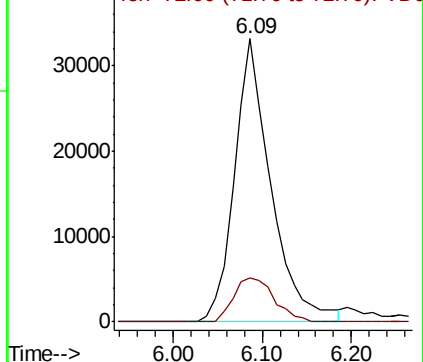
Ion Ratio Lower Upper

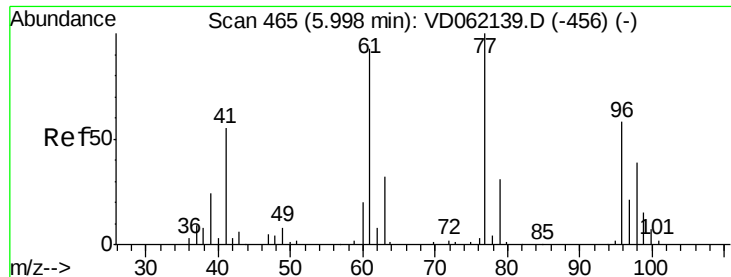
43 100

72 15.4 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 56.395 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

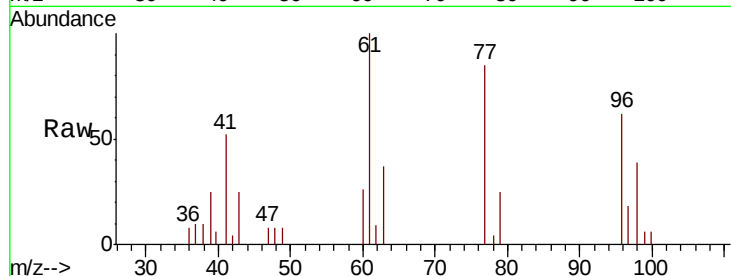
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 77 Resp: 32832

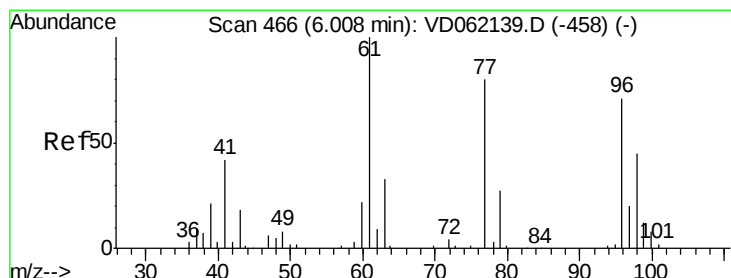
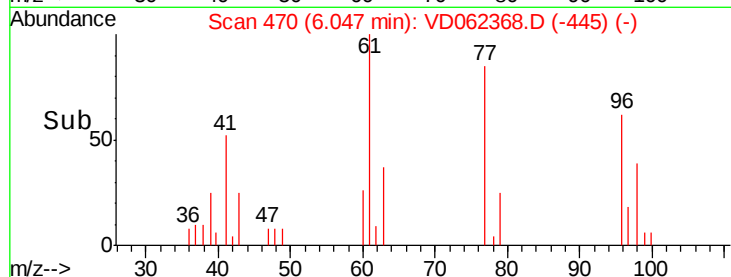
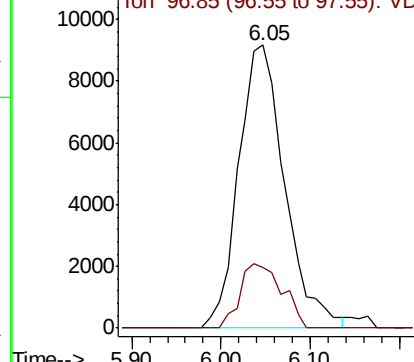
Ion Ratio Lower Upper

77 100

97 21.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



#27

cis-1,2-Dichloroethene

Concen: 61.363 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

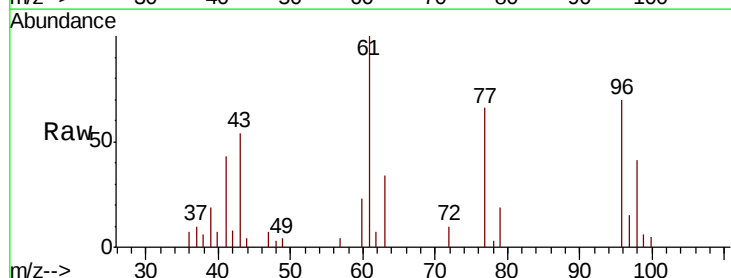
Tgt Ion: 96 Resp: 23932

Ion Ratio Lower Upper

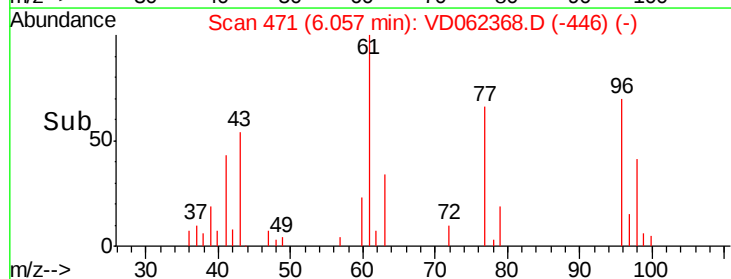
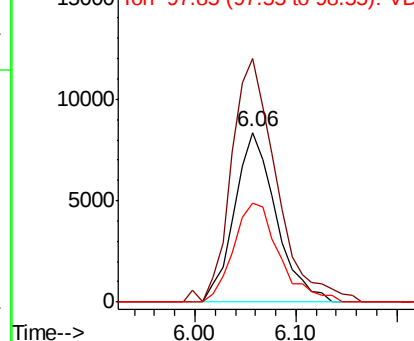
96 100

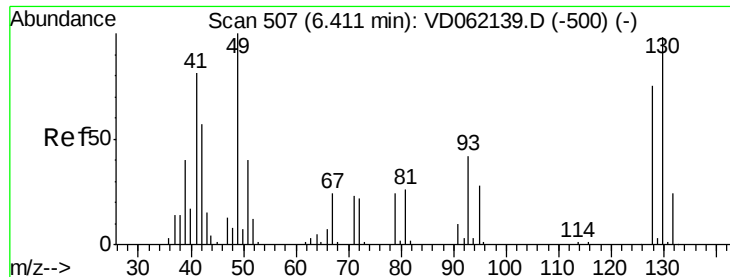
61 143.7 0.0 279.8

98 58.7 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: 120.260 ug/l

RT: 6.46 min Scan# 512

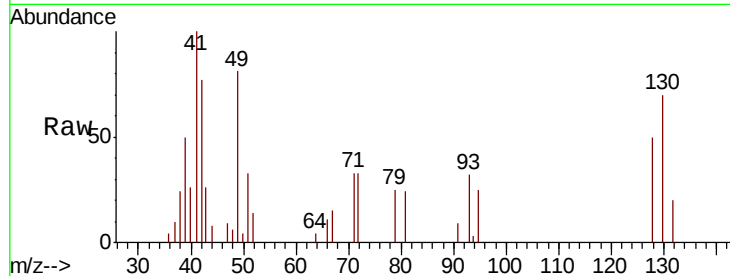
Delta R.T. 0.05 min

Lab File: VD062368.D

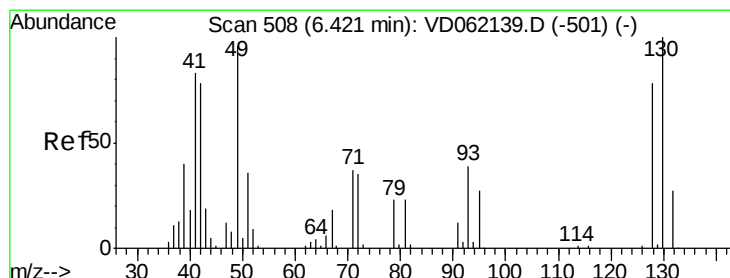
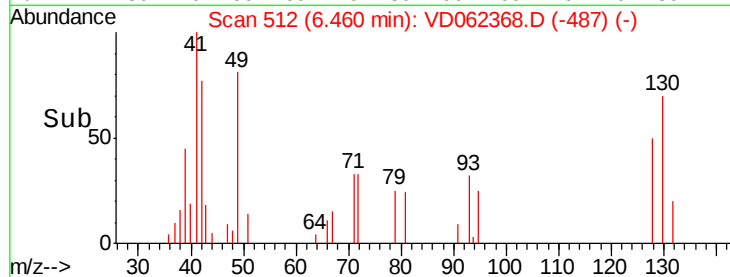
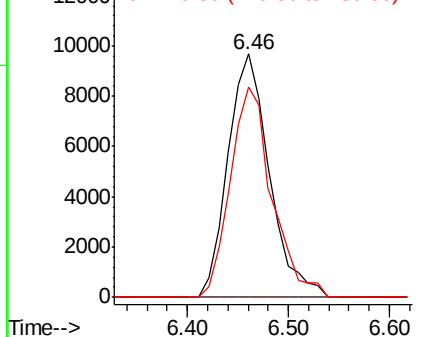
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 49 Resp: 27653
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 86.5 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: 1122.112 ug/l

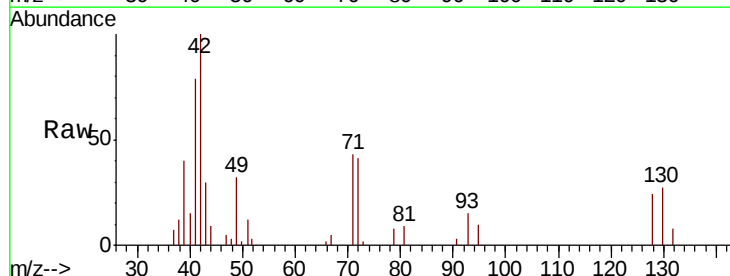
RT: 6.48 min Scan# 514

Delta R.T. 0.06 min

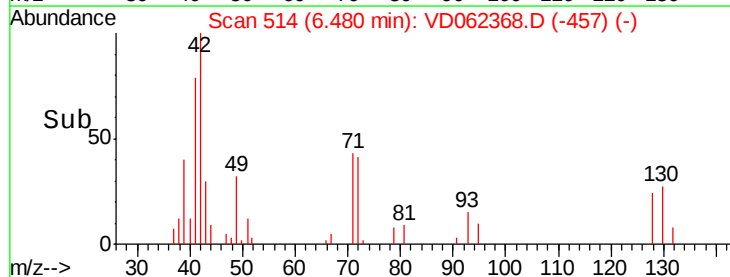
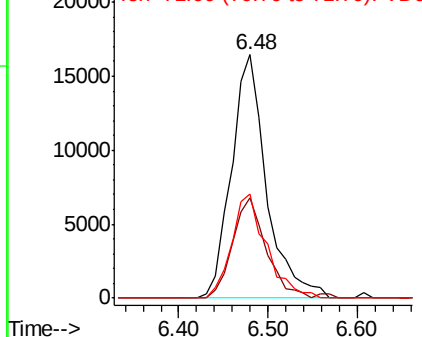
Lab File: VD062368.D

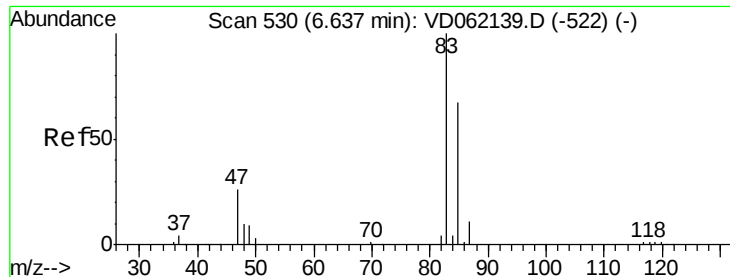
Acq: 15 May 2019 2:37

Tgt Ion: 42 Resp: 45134
Ion Ratio Lower Upper
42 100
72 39.2 37.8 56.6
71 42.5 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

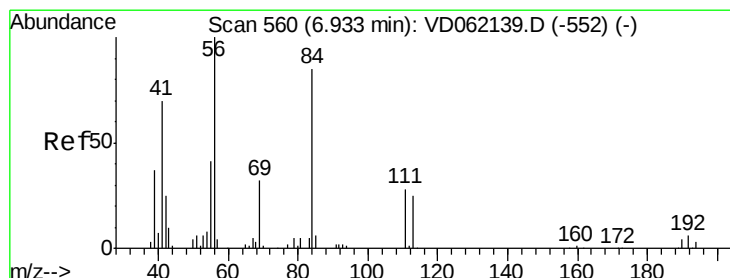
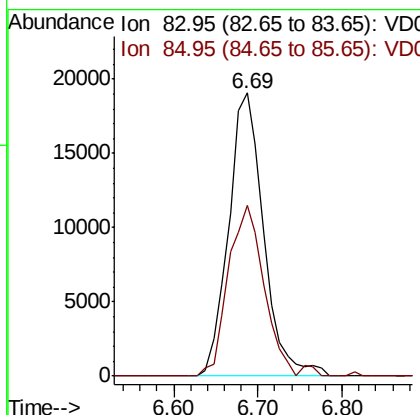
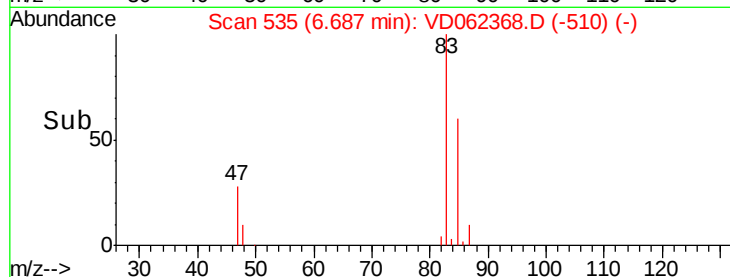
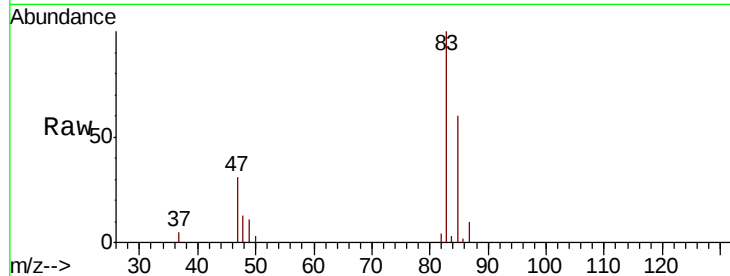




#30
Chloroform
Concen: 78.088 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

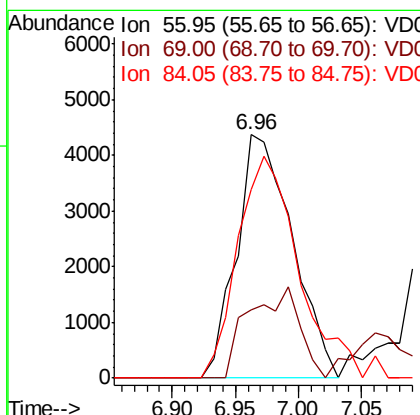
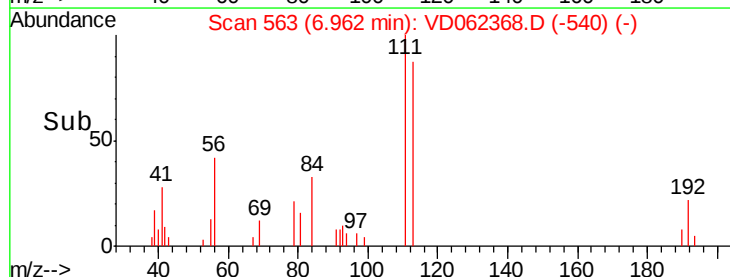
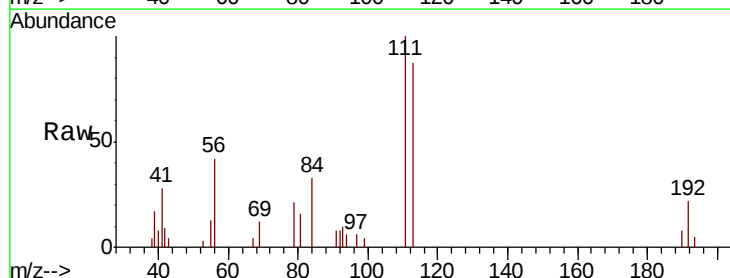
Instrument :
MSVOA_D
ClientSampled :

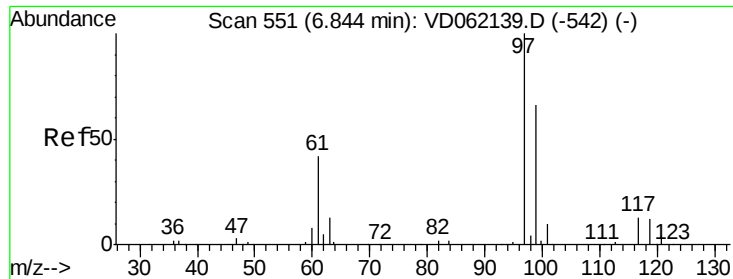
Tot Ion: 83 Resp: 55003
Ion Ratio Lower Upper
83 100
85 62.1 51.7 77.5



#31
Cyclohexane
Concen: 33.546 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 56 Resp: 13432
Ion Ratio Lower Upper
56 100
69 28.1 25.8 38.6
84 77.5 72.2 108.4





#32

1,1,1-Trichloroethane

Concen: 62.607 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

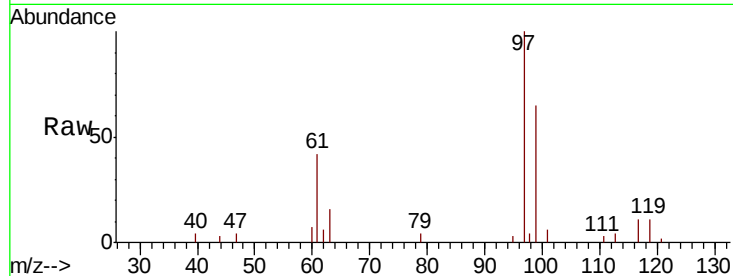
Tot Ion: 97 Resp: 41681

Ion Ratio Lower Upper

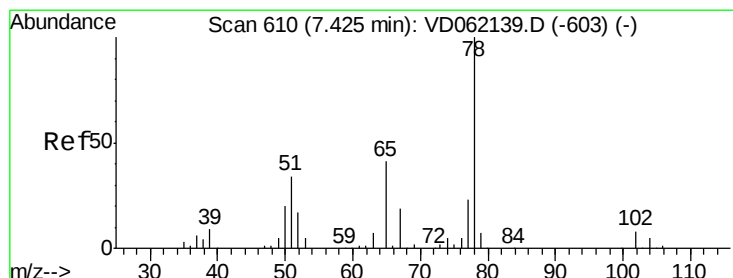
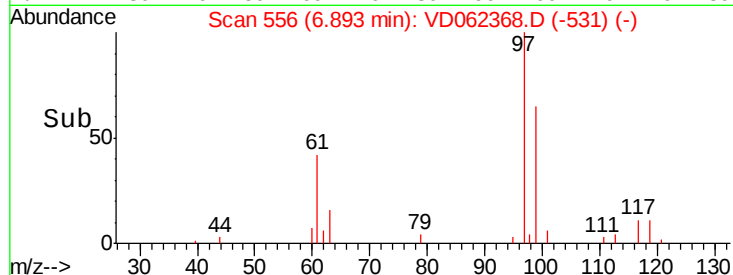
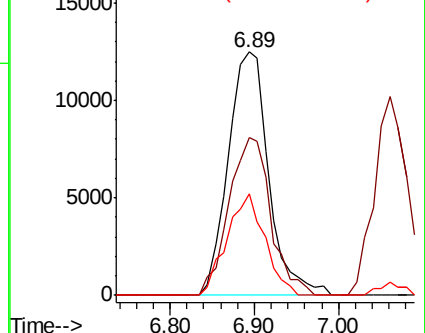
97 100

99 65.0 52.2 78.2

61 41.8 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: 143.054 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062368.D

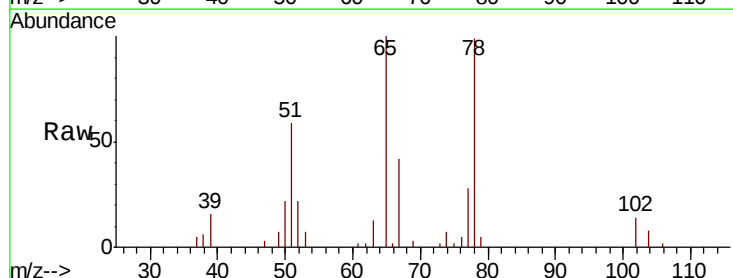
Acq: 15 May 2019 2:37

Tgt Ion: 65 Resp: 54594

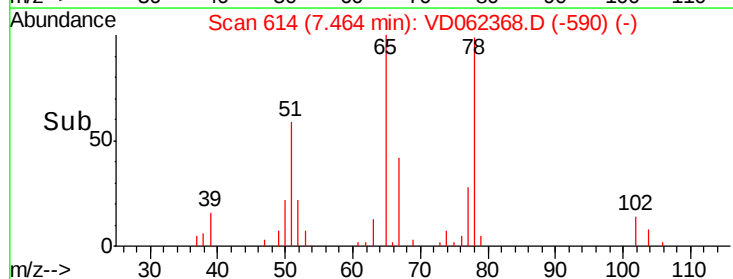
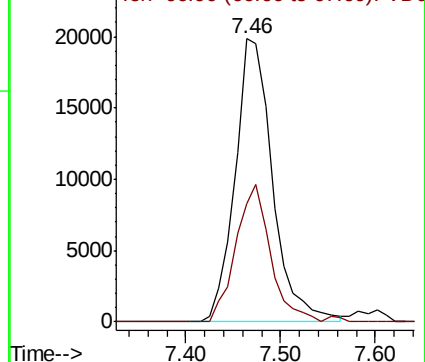
Ion Ratio Lower Upper

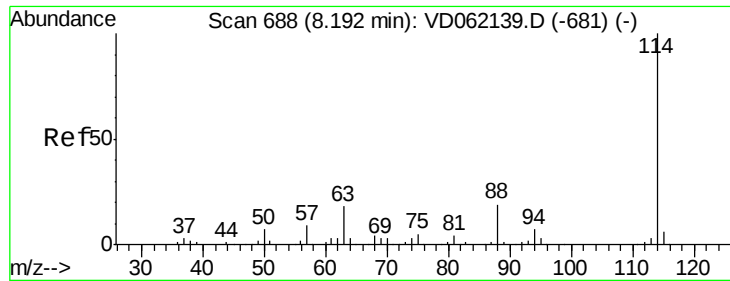
65 100

67 42.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

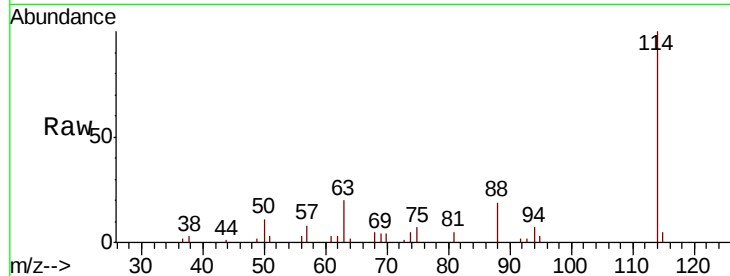




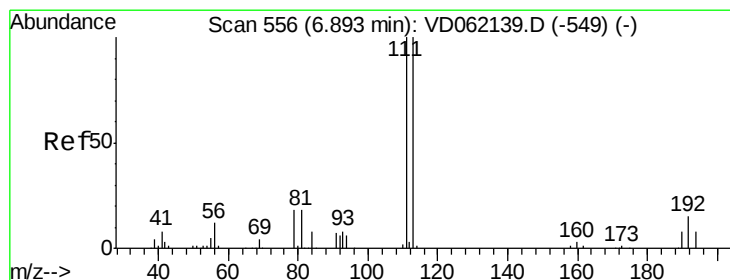
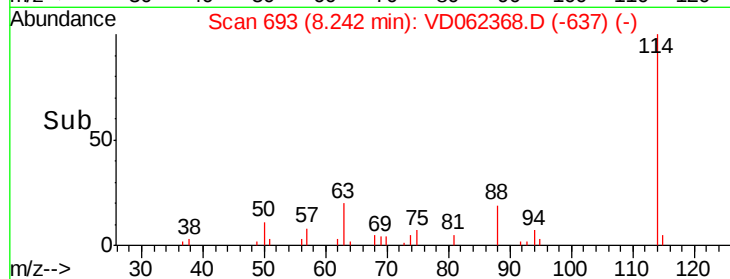
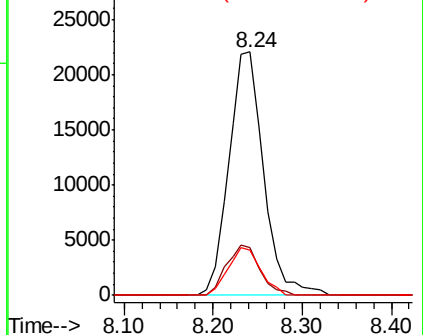
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 59952
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 32.4
 88 18.8 0.0 33.6

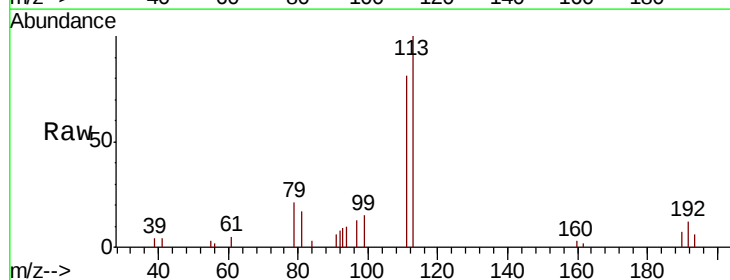


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

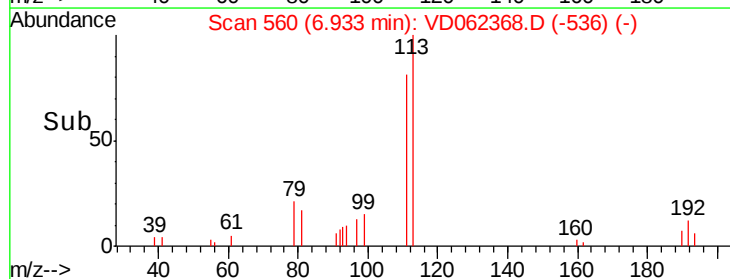
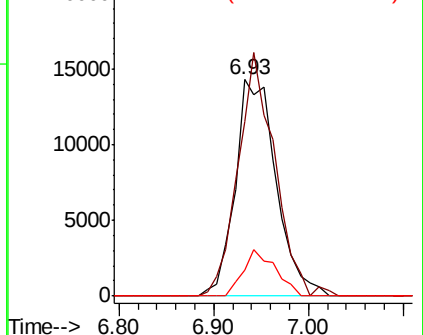


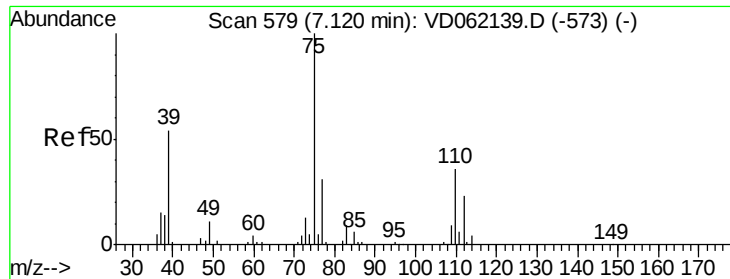
#35
 Dibromofluoromethane
 Concen: 86.240 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion:113 Resp: 42898
 Ion Ratio Lower Upper
 113 100
 111 80.6 78.5 117.7
 192 11.9 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: 46.957 ug/l

RT: 7.17 min Scan# 584

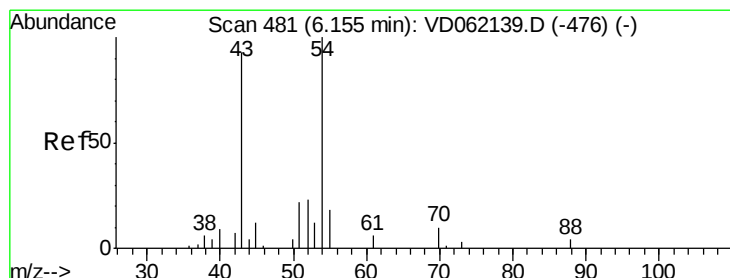
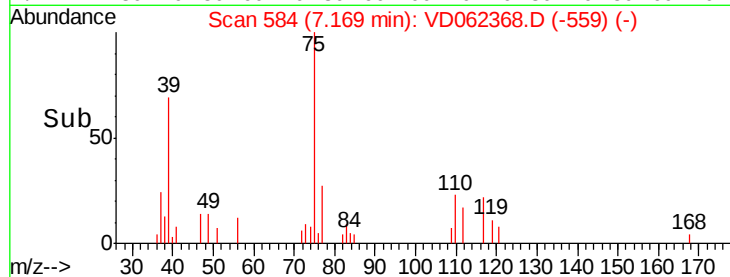
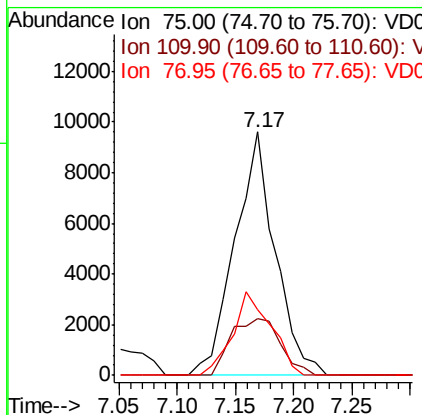
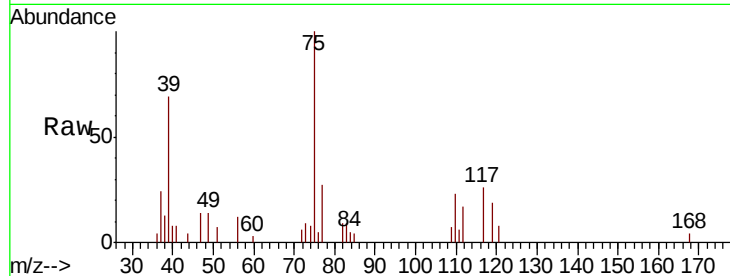
Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	23082
Ion	Ratio	Lower	Upper
75	100		
110	23.3	19.1	57.1
77	27.1	25.6	38.4



#37

Ethyl Acetate

Concen: 452.068 ug/l

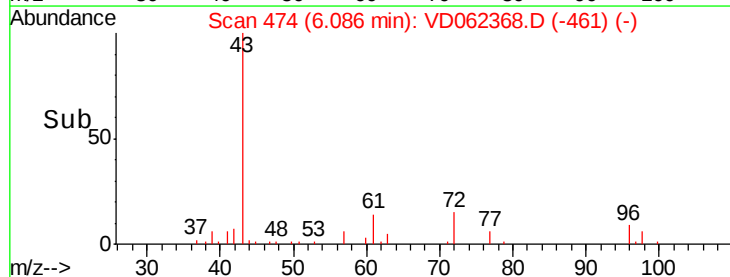
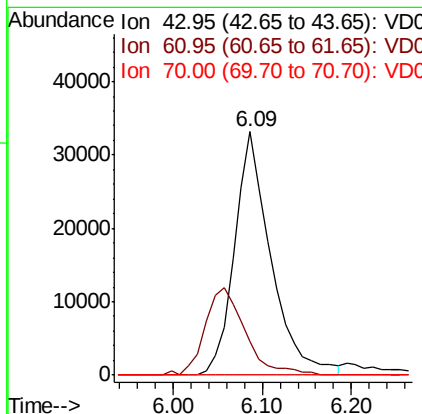
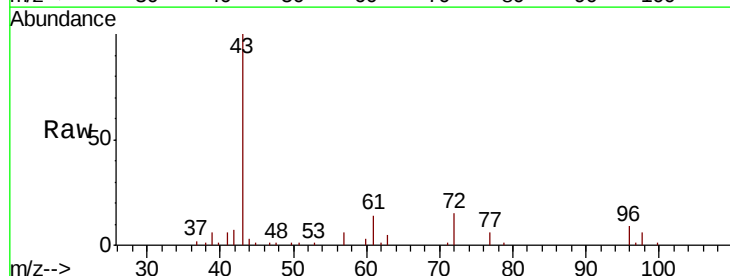
RT: 6.09 min Scan# 474

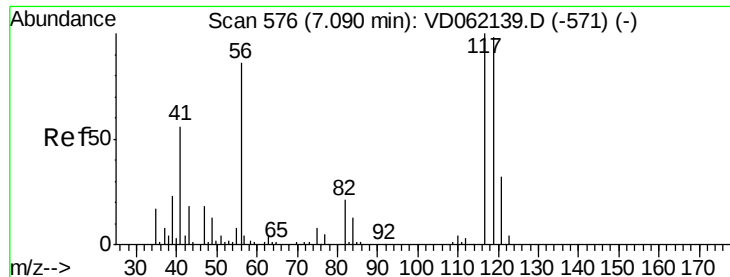
Delta R.T. -0.07 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Tgt Ion:	43	Resp:	94238
Ion	Ratio	Lower	Upper
43	100		
61	13.7	14.7	22.1#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 52.614 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

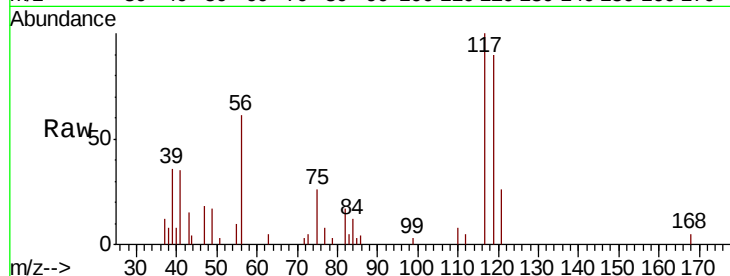
Tot Ion:117 Resp: 35796

Ion Ratio Lower Upper

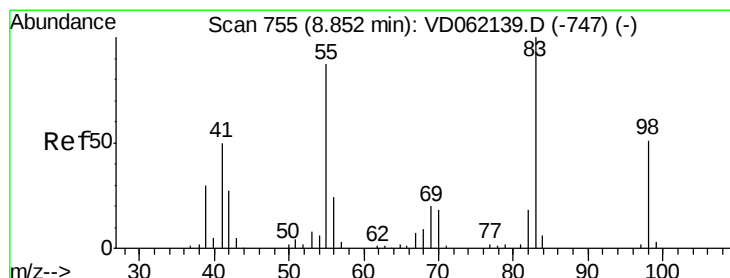
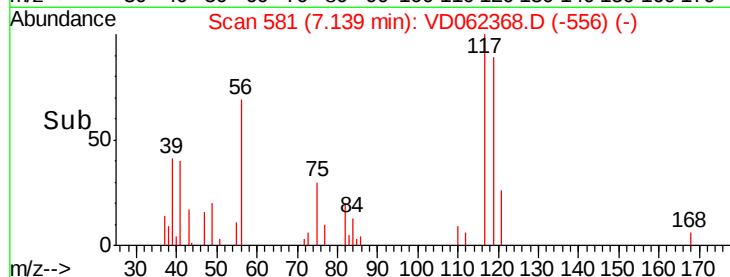
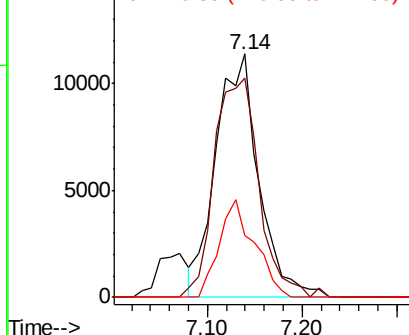
117 100

119 90.2 75.8 113.8

121 25.6 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: 20.271 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

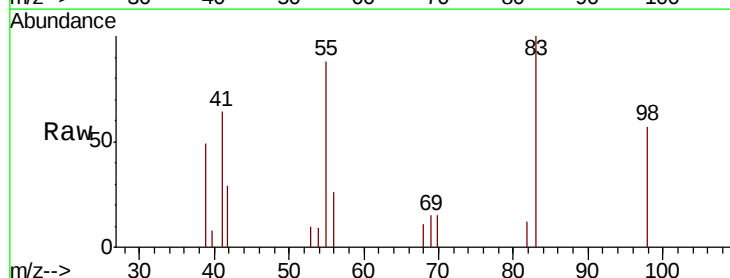
Tgt Ion: 83 Resp: 9547

Ion Ratio Lower Upper

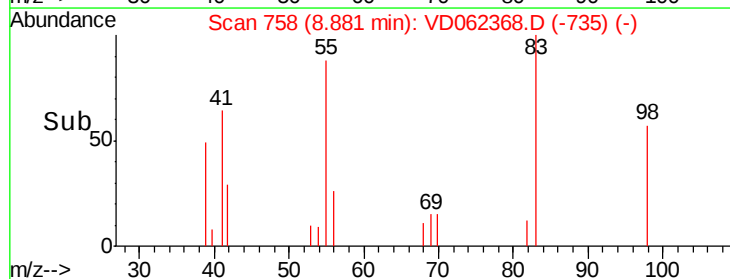
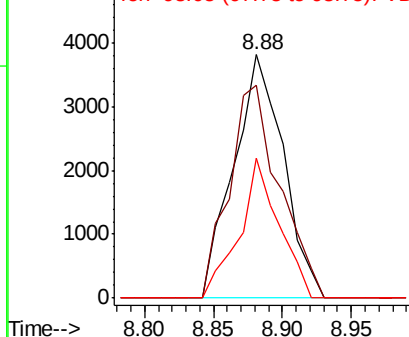
83 100

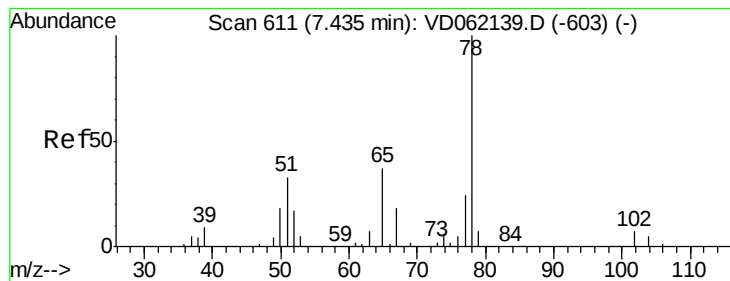
55 87.7 68.2 102.4

98 57.3 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: 54.406 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

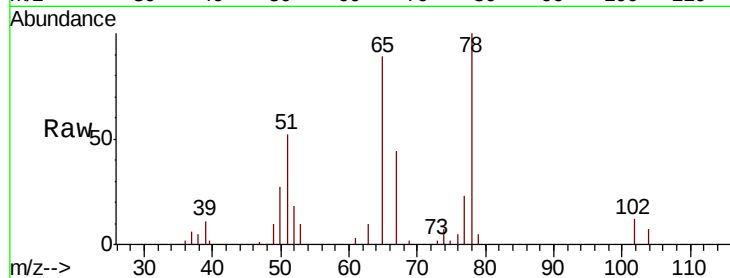
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 78 Resp: 60389

Ion Ratio Lower Upper

78 100

77 22.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.47

25000

20000

15000

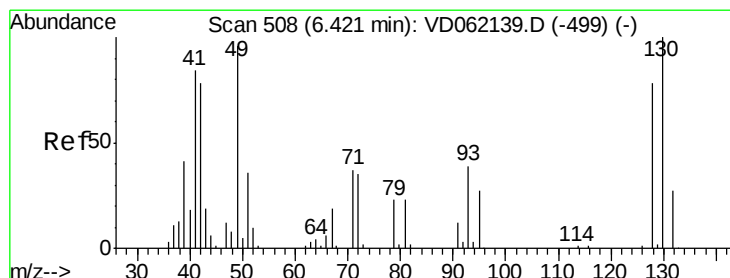
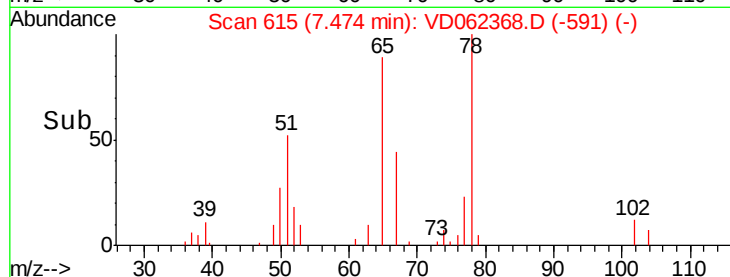
10000

5000

0

Time-->

7.40 7.50 7.60



#41

Methacrylonitrile

Concen: 197.561 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Tgt Ion: 41 Resp: 50328

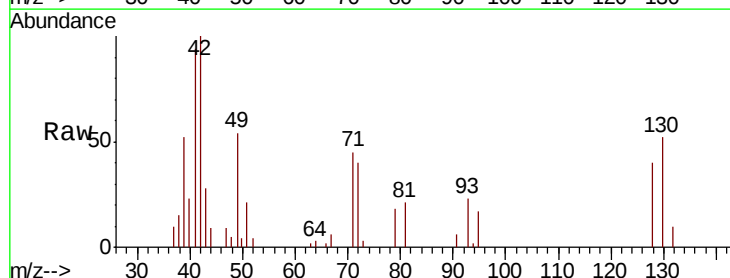
Ion Ratio Lower Upper

41 100

39 55.6 34.1 51.1#

67 6.4 23.8 35.6#

52 4.7 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

20000

15000

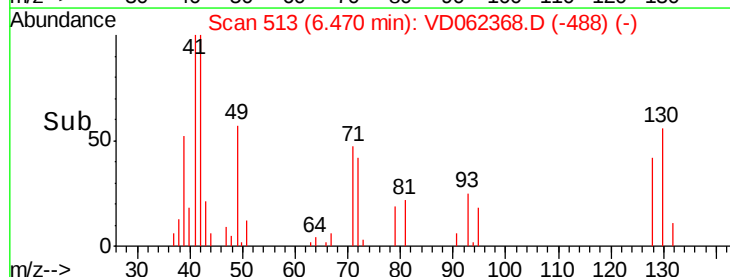
10000

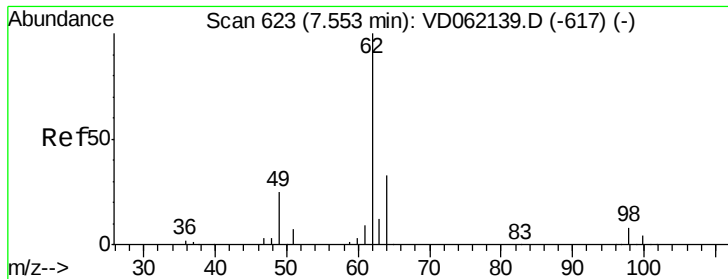
5000

0

Time-->

6.30 6.40 6.50 6.60

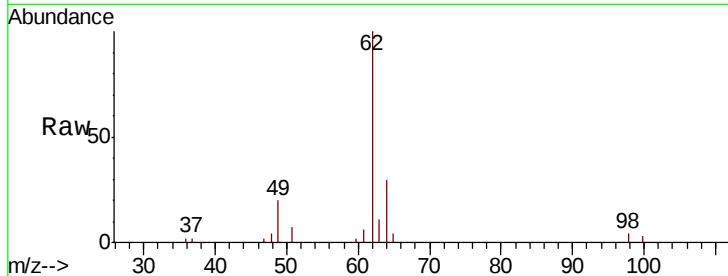




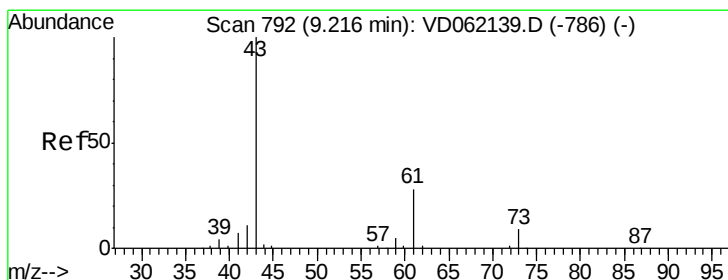
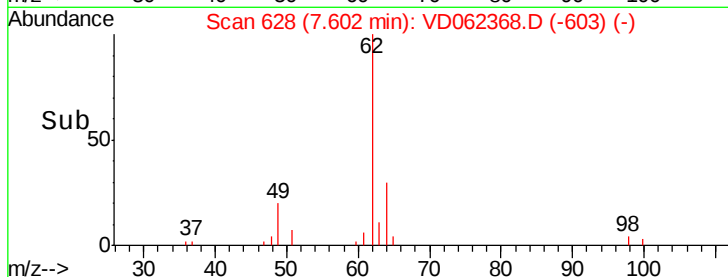
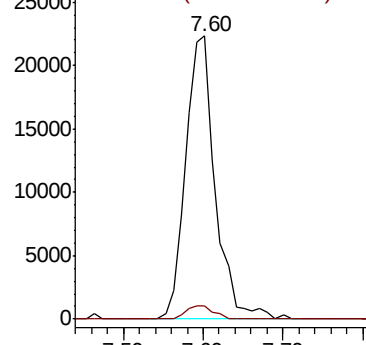
#42
 1,2-Dichloroethane
 Concen: 123.295 ug/l
 RT: 7.60 min Scan# 628
 Delta R.T. 0.05 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 62 Resp: 57983
 Ion Ratio Lower Upper
 62 100
 98 4.5 0.0 17.8

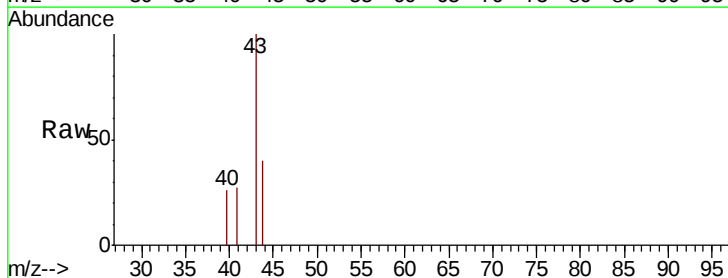


Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

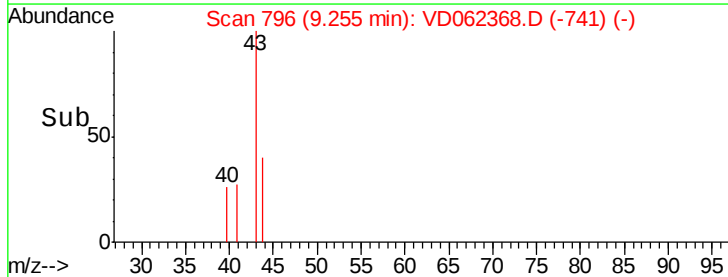
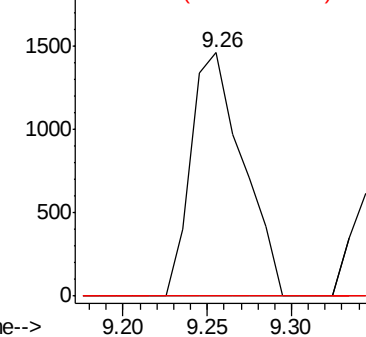


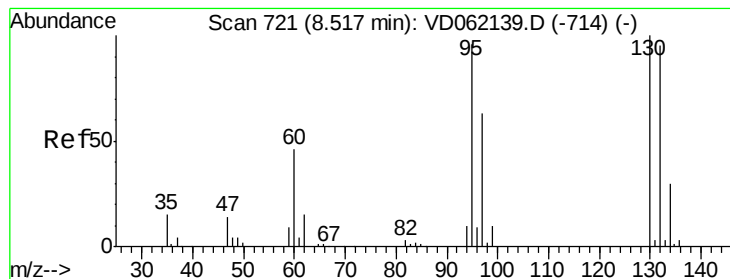
#43
 Isopropyl Acetate
 Concen: 10.580 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 3128
 Ion Ratio Lower Upper
 43 100
 61 0.0 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: 42.082 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

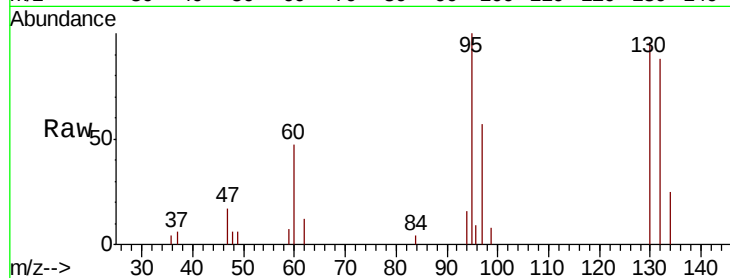
ClientSampleId :

Tot Ion:130 Resp: 17799

Ion Ratio Lower Upper

130 100

95 104.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.56

10000

8000

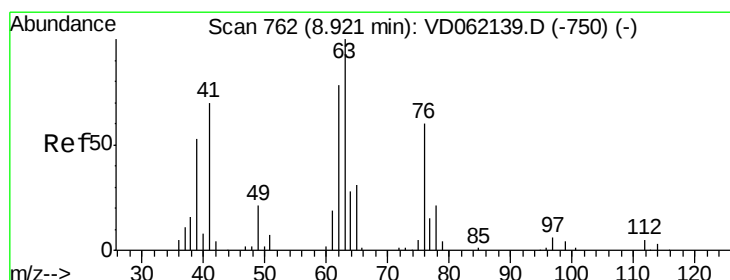
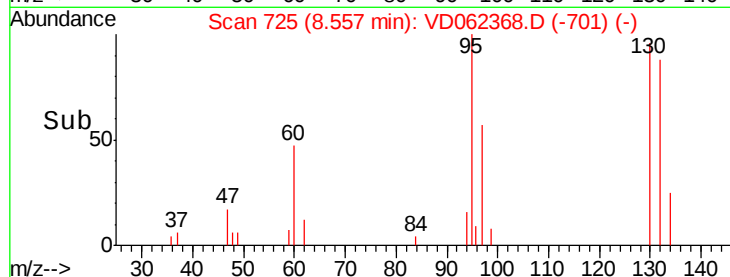
6000

4000

2000

0

Time--> 8.45 8.50 8.55 8.60 8.65



#45

1,2-Dichloropropane

Concen: 60.881 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062368.D

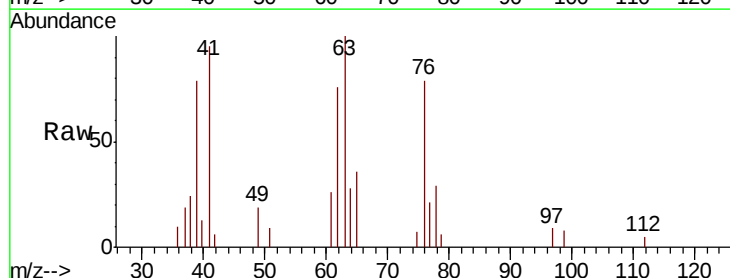
Acq: 15 May 2019 2:37

Tgt Ion: 63 Resp: 16715

Ion Ratio Lower Upper

63 100

65 35.9 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

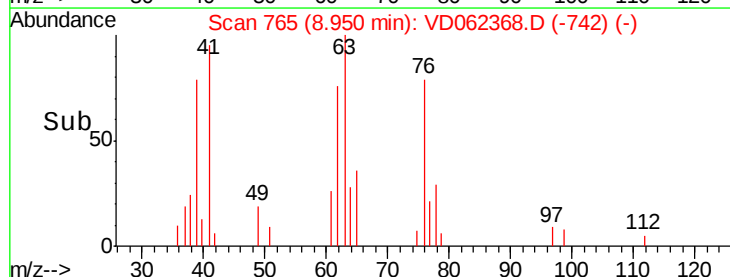
6000

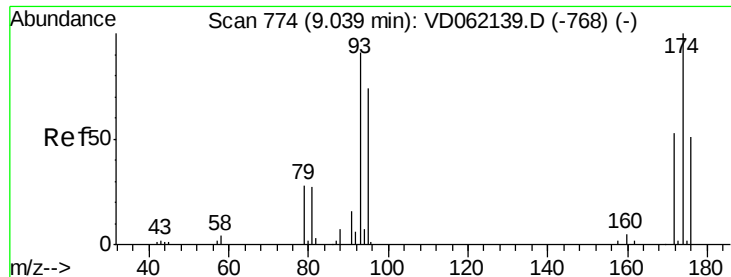
4000

2000

0

Time--> 8.85 8.90 8.95 9.00 9.05





#46

Dibromomethane

Concen: 120.647 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

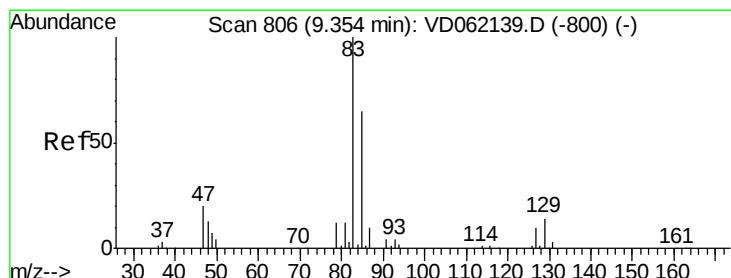
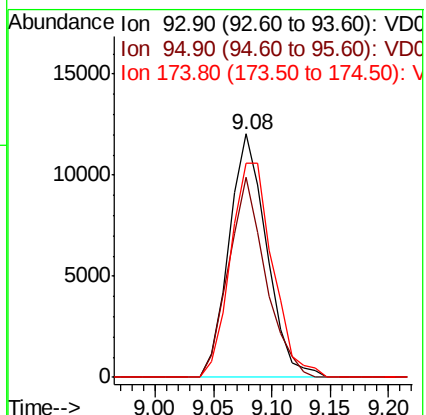
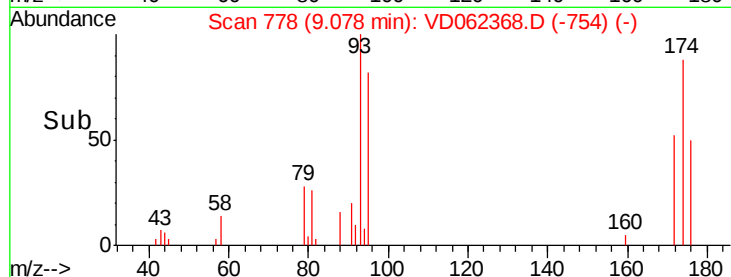
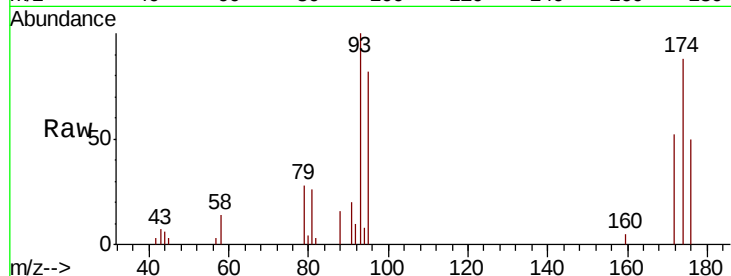
Tot Ion: 93 Resp: 26936

Ion Ratio Lower Upper

93 100

95 82.2 64.8 97.2

174 88.1 79.3 118.9



#47

Bromodichloromethane

Concen: 88.576 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

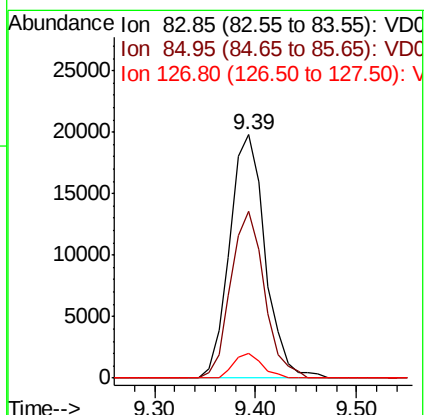
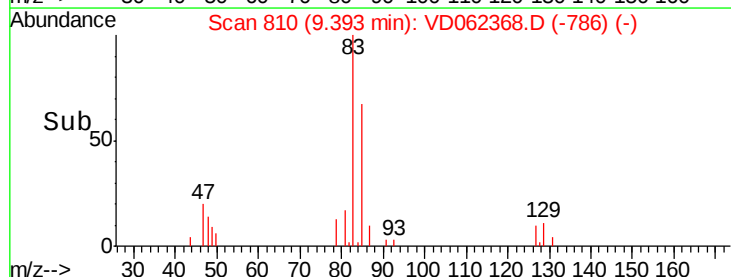
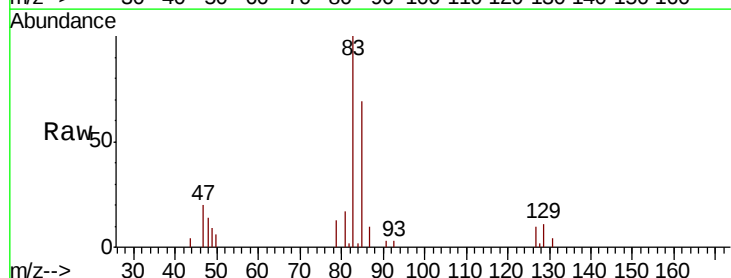
Tgt Ion: 83 Resp: 48372

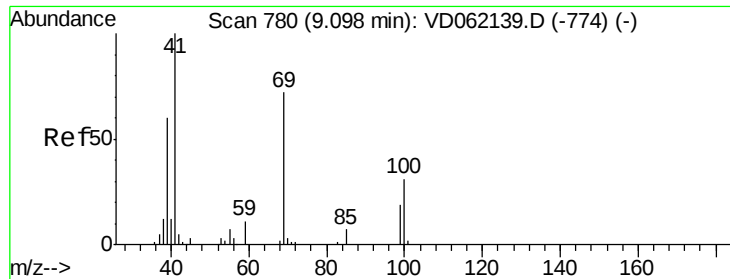
Ion Ratio Lower Upper

83 100

85 68.7 50.9 76.3

127 10.3 8.1 12.1

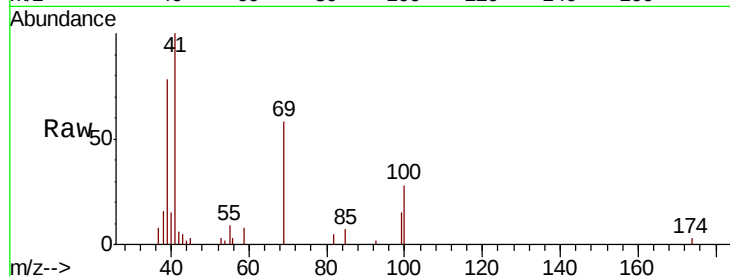




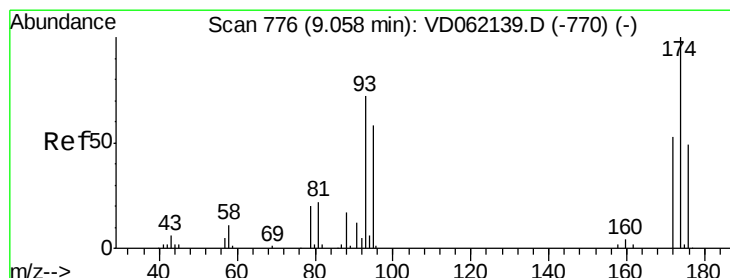
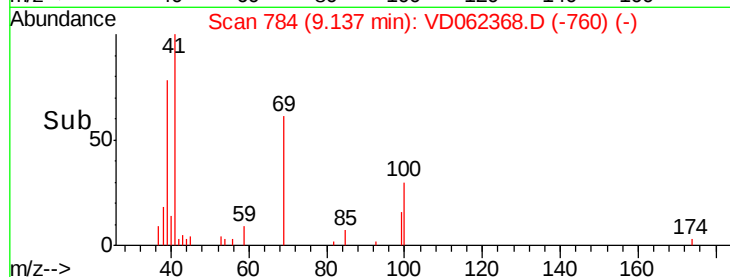
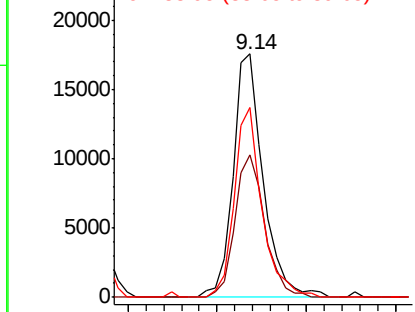
#48
Methvl methacrylate
Concen: 227.063 ug/l
RT: 9.14 min Scan# 784
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 41349
Ion Ratio Lower Upper
41 100
69 58.3 64.2 96.2#
39 77.9 46.8 70.2#

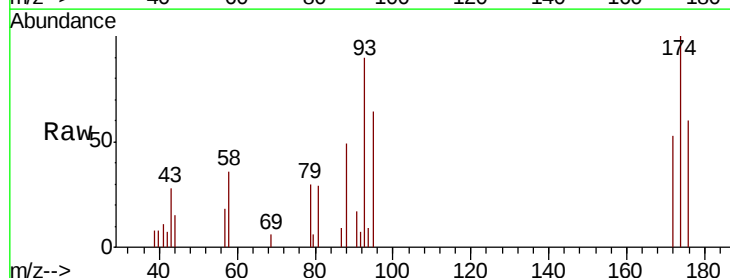


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

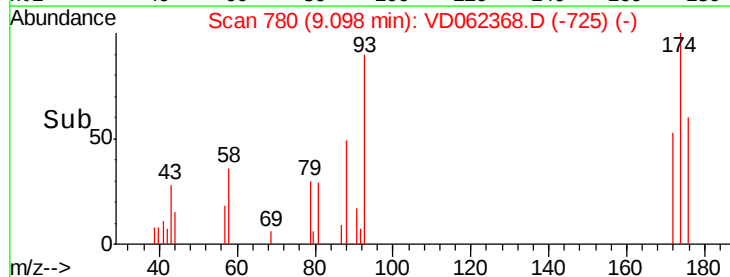
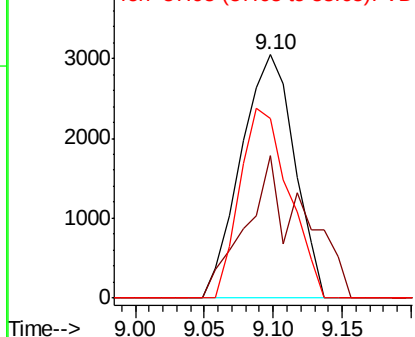


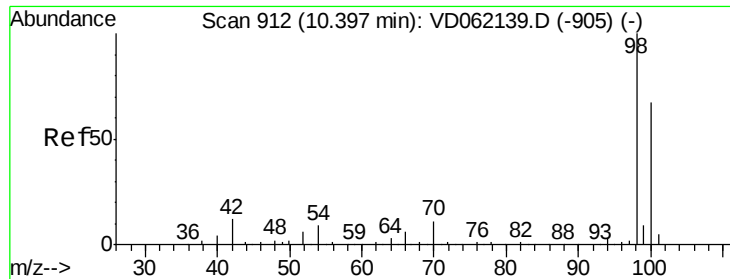
#49
1,4-Dioxane
Concen: 4195.319 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 88 Resp: 8243
Ion Ratio Lower Upper
88 100
43 58.5 23.4 35.0#
58 74.0 44.0 66.0#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 60.648 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

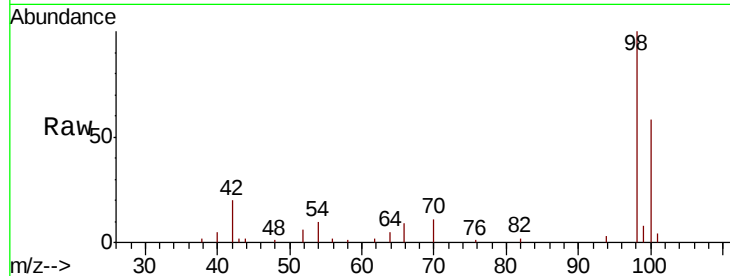
ClientSampleId :

Tot Ion: 98 Resp: 72737

Ion Ratio Lower Upper

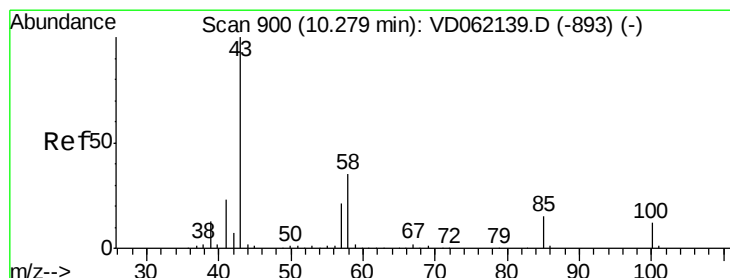
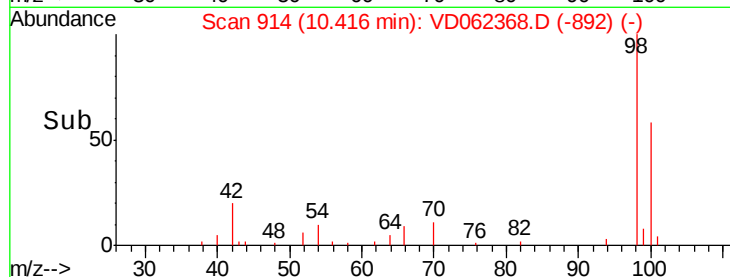
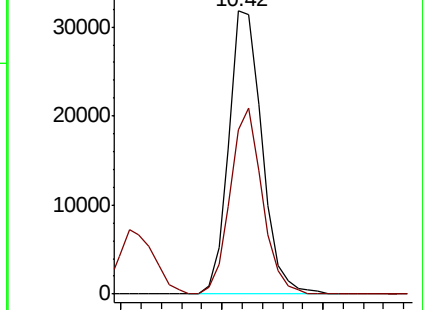
98 100

100 58.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)



#51

4-Methyl-2-Pentanone

Concen: 934.160 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062368.D

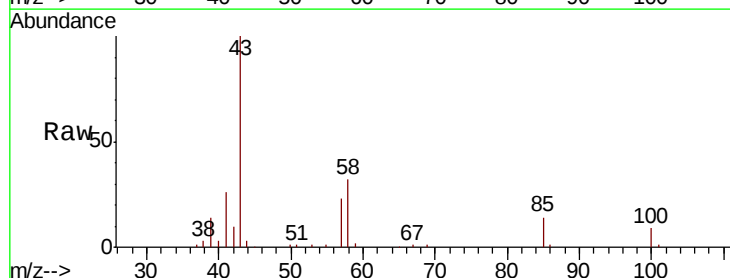
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 177529

Ion Ratio Lower Upper

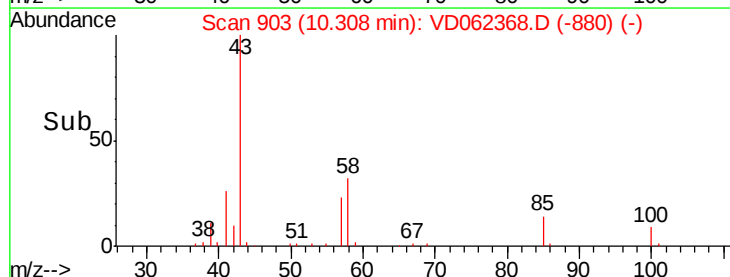
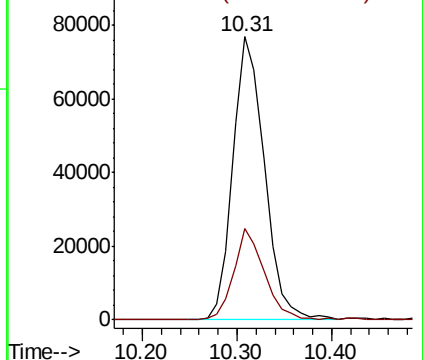
43 100

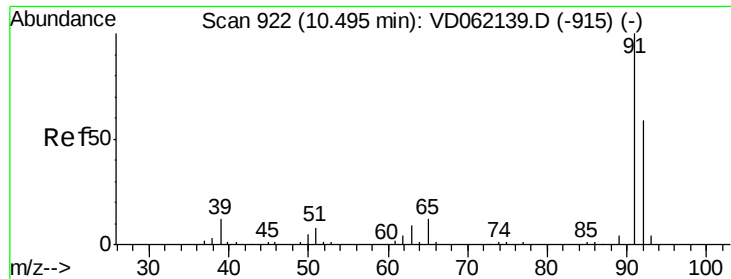
58 32.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-893) (-)

Ion 57.95 (57.65 to 58.65): VD062139.D (-893) (-)





#52

Toluene

Concen: 55.828 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

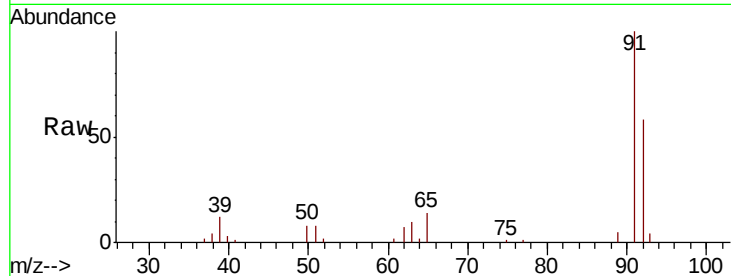
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 40319

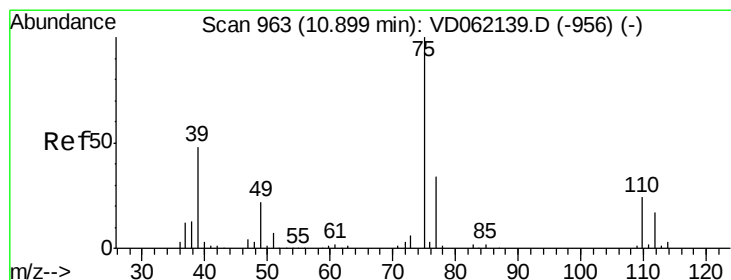
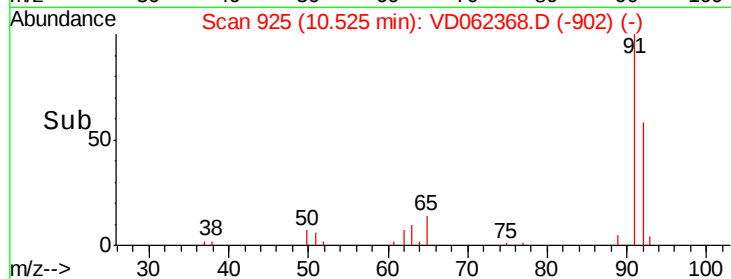
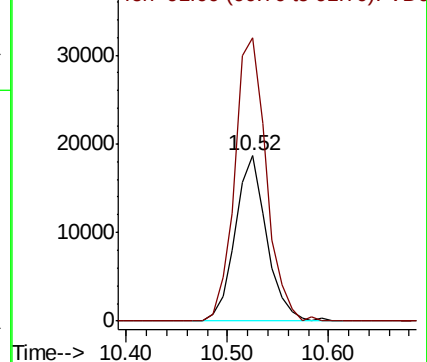
Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8



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



#53

t-1,3-Dichloropropene

Concen: 92.938 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD062368.D

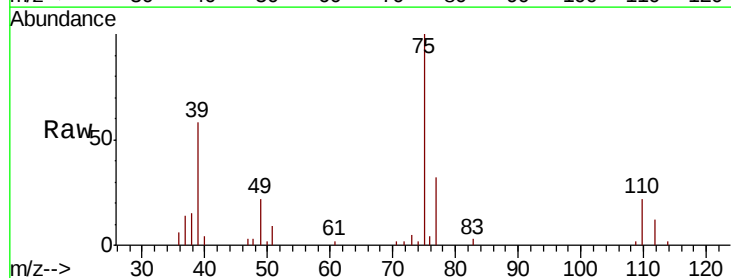
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 43866

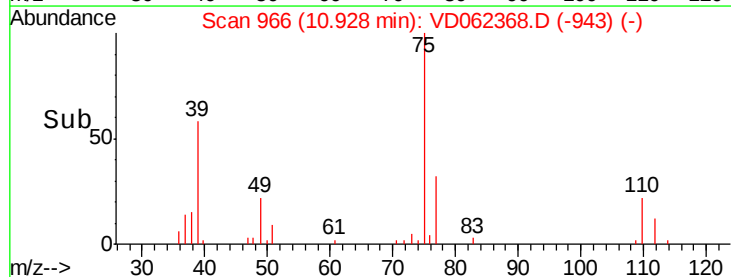
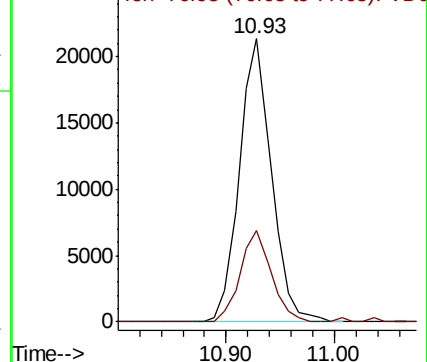
Ion Ratio Lower Upper

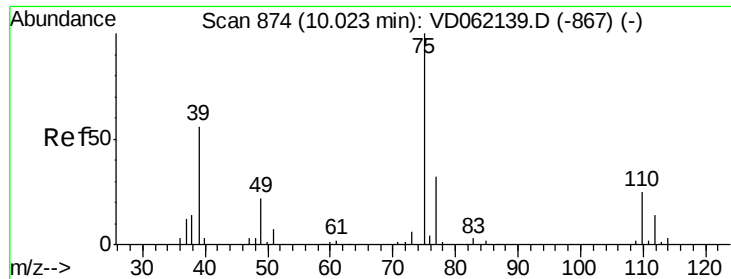
75 100

77 32.1 25.8 38.8



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



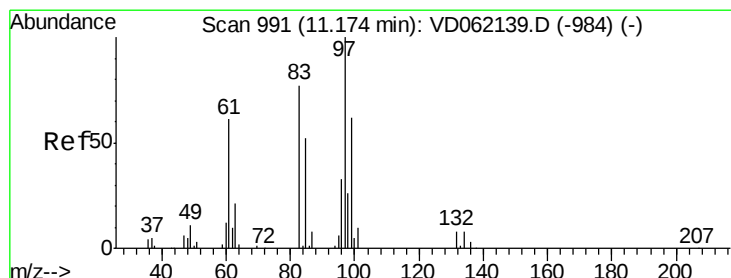
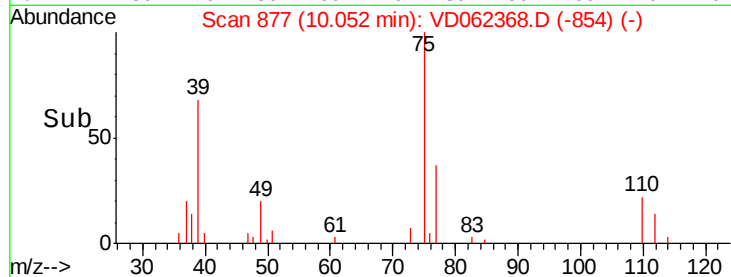
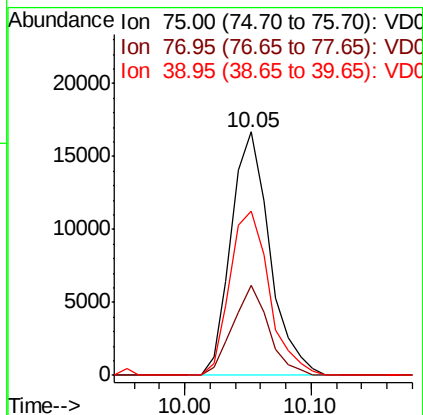
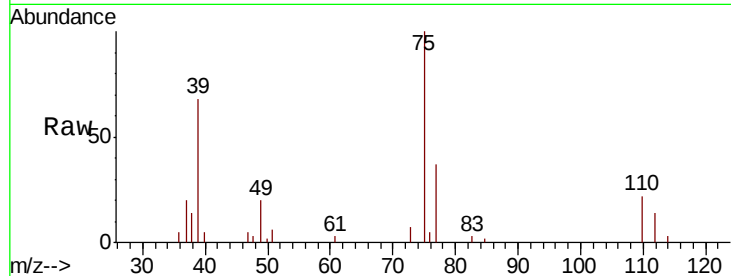


#54

cis-1,3-Dichloropropene
 Concen: 68.795 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

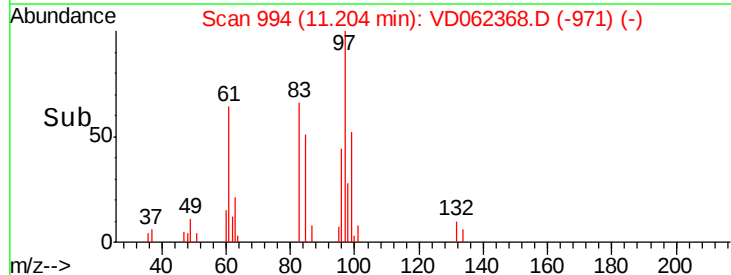
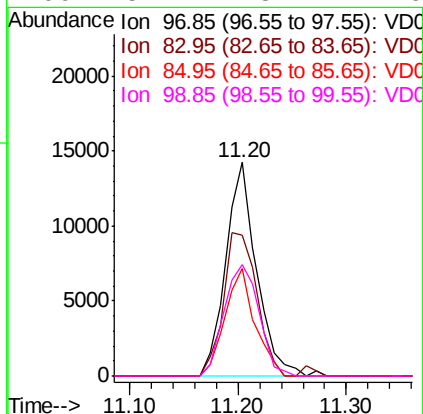
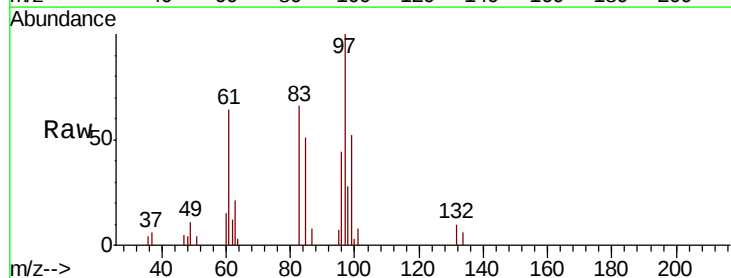
Tot Ion: 75 Resp: 35423
 Ion Ratio Lower Upper
 75 100
 77 36.9 25.5 38.3
 39 67.6 39.4 59.2#

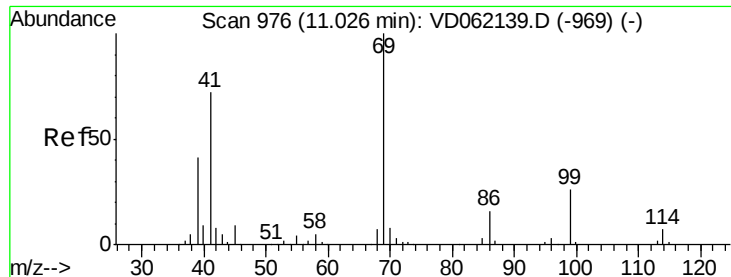


#55

1,1,2-Trichloroethane
 Concen: 110.179 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion: 97 Resp: 28154
 Ion Ratio Lower Upper
 97 100
 83 65.7 65.7 98.5#
 85 50.6 45.6 68.4
 99 52.4 48.4 72.6





#56

Ethyl methacrylate

Concen: 8.718 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

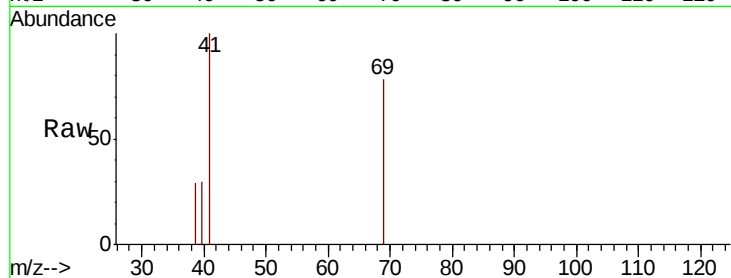
Tot Ion: 69 Resp: 2315

Ion Ratio Lower Upper

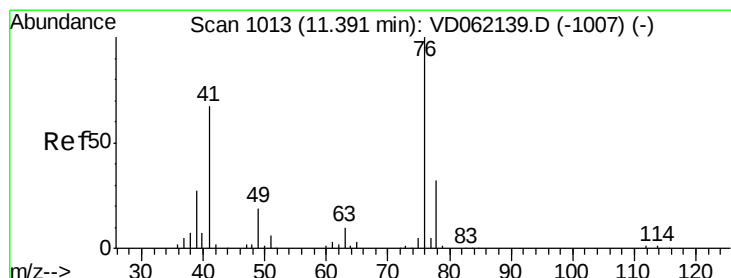
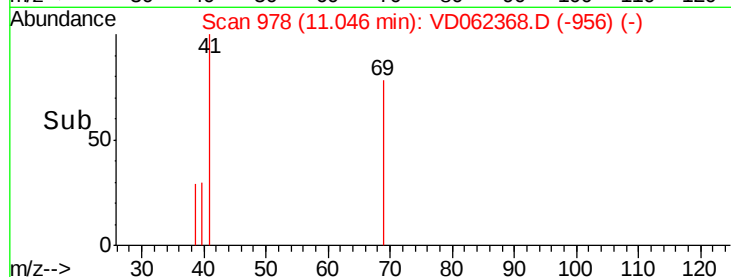
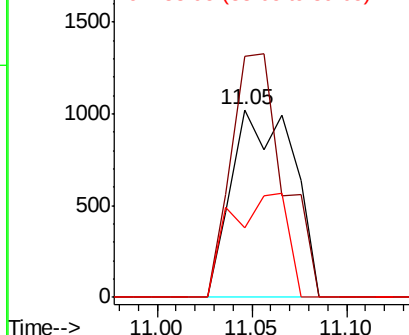
69 100

41 128.3 56.3 84.5#

39 37.2 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: 110.148 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062368.D

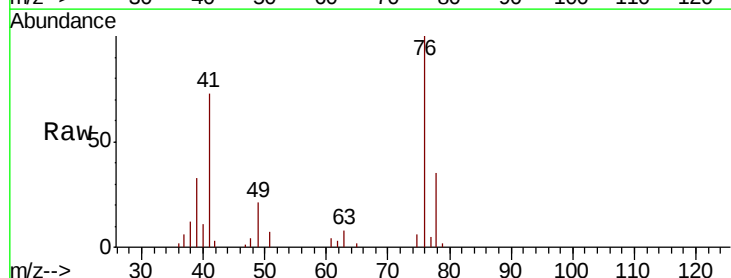
Acq: 15 May 2019 2:37

Tgt Ion: 76 Resp: 42522

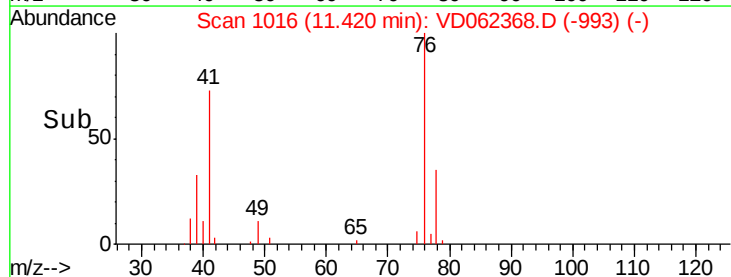
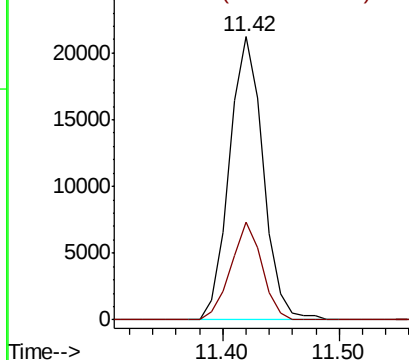
Ion Ratio Lower Upper

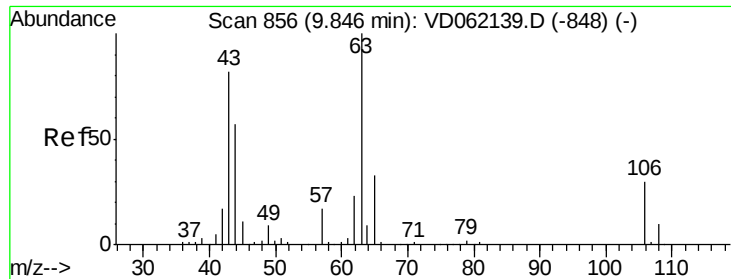
76 100

78 34.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 726.609 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

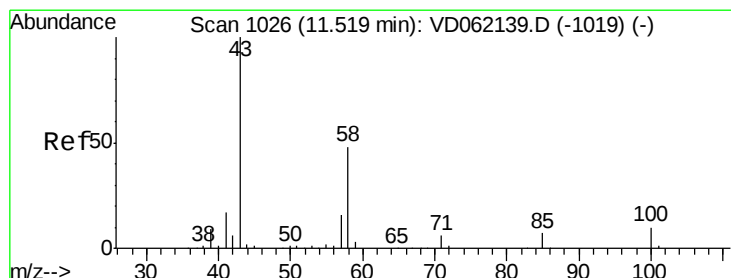
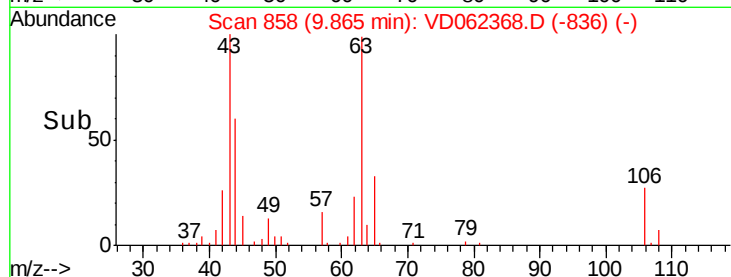
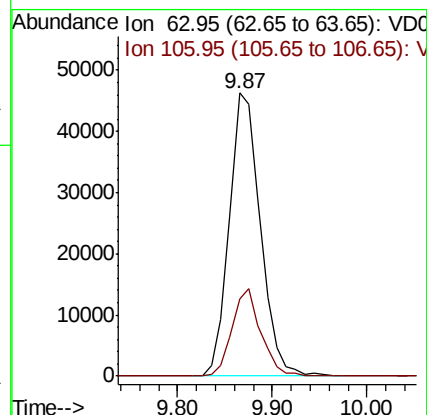
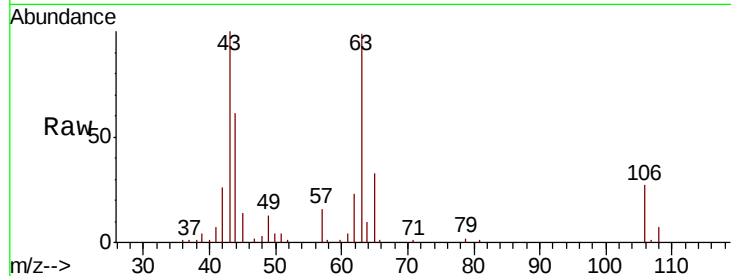
ClientSampled :

Tot Ion: 63 Resp: 105390

Ion Ratio Lower Upper

63 100

106 27.2 22.6 34.0



#59

2-Hexanone

Concen: 898.430 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD062368.D

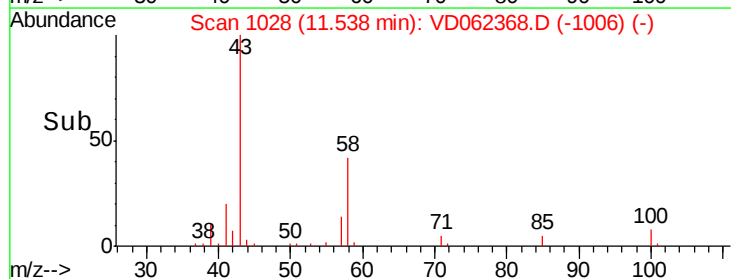
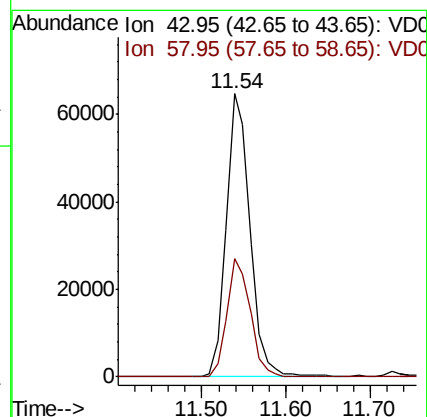
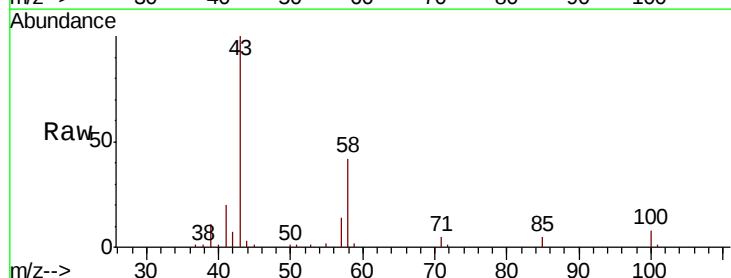
Acq: 15 May 2019 2:37

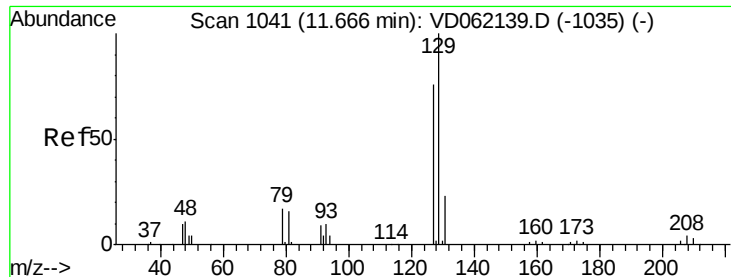
Tgt Ion: 43 Resp: 125841

Ion Ratio Lower Upper

43 100

58 41.7 25.4 76.4





#60

Dibromochloromethane

Concen: 101.060 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.03 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

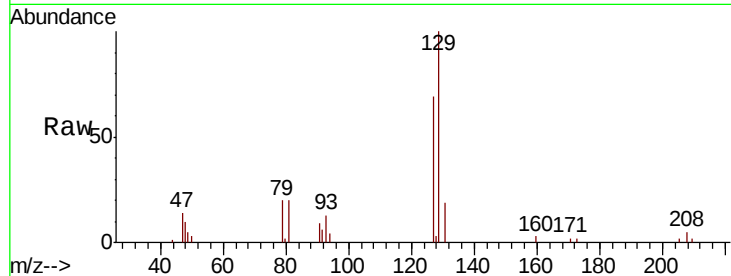
ClientSampled :

Tot Ion:129 Resp: 44629

Ion Ratio Lower Upper

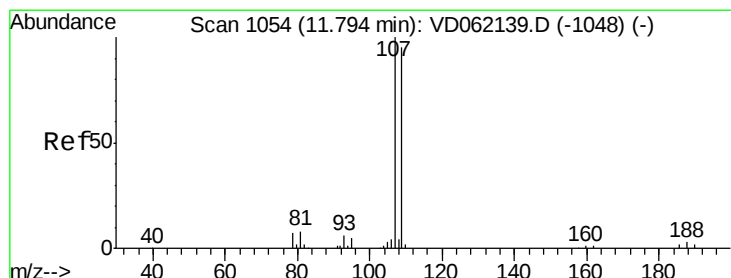
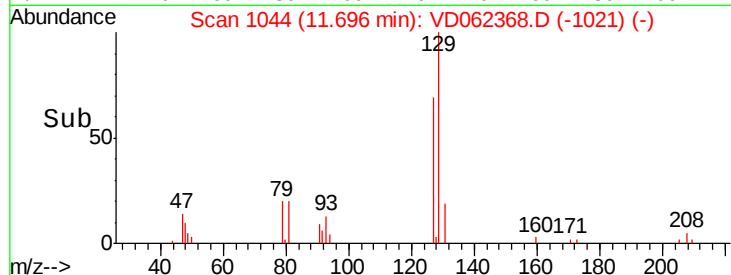
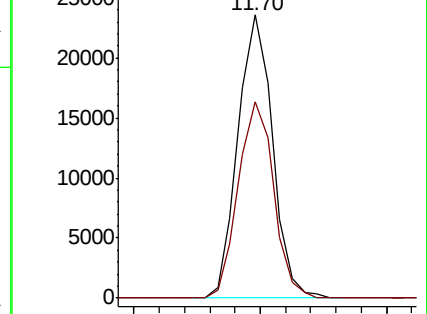
129 100

127 69.3 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 117.609 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062368.D

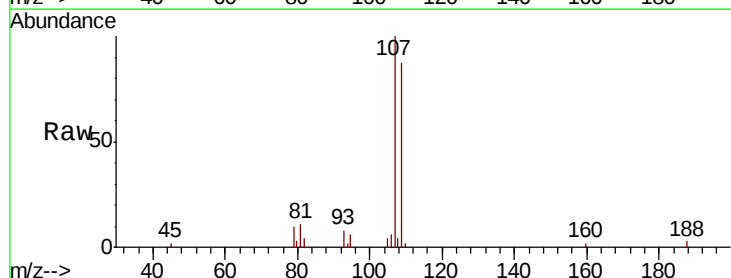
Acq: 15 May 2019 2:37

Tgt Ion:107 Resp: 36537

Ion Ratio Lower Upper

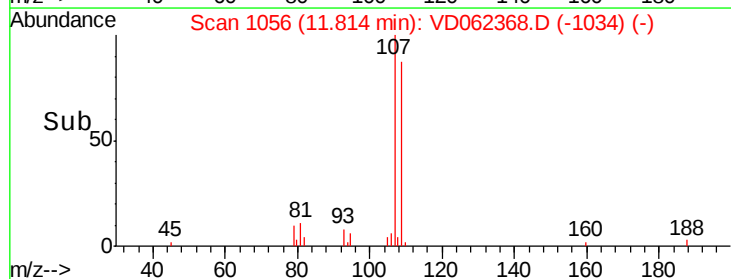
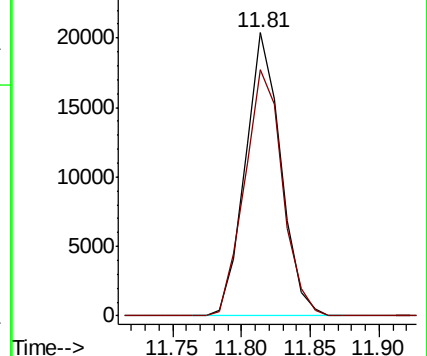
107 100

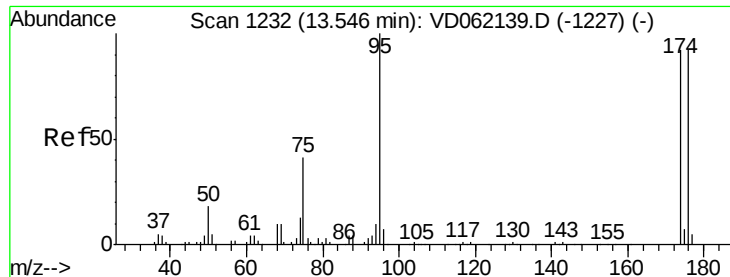
109 87.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 73.065 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

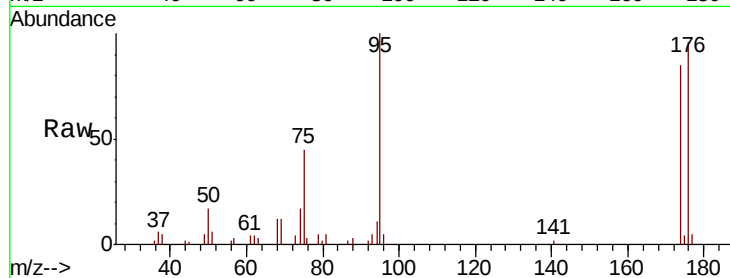
Tot Ion: 95 Resp: 35189

Ion Ratio Lower Upper

95 100

174 84.5 0.0 181.8

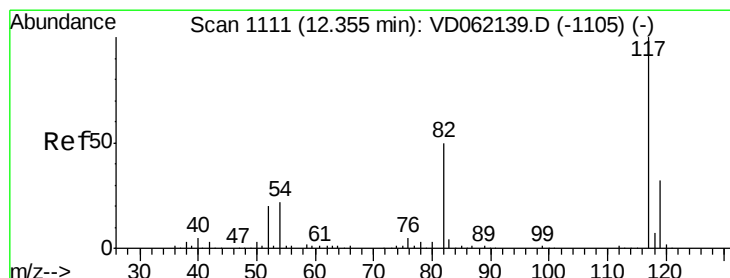
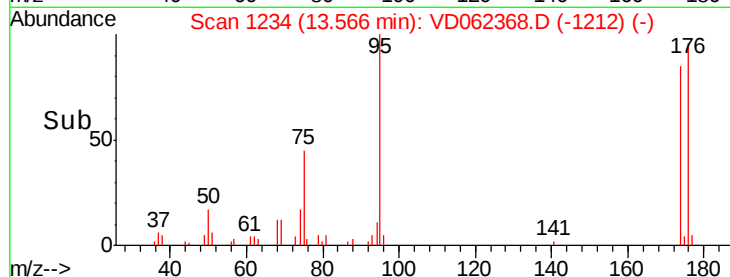
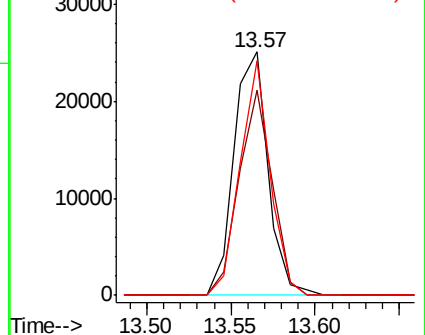
176 96.4 0.0 174.4



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# 1113

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

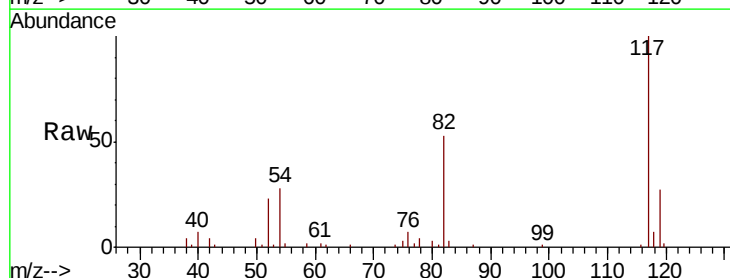
Tgt Ion: 117 Resp: 55317

Ion Ratio Lower Upper

117 100

82 55.9 36.2 54.2#

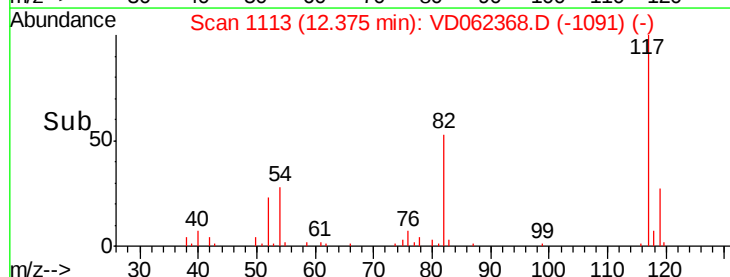
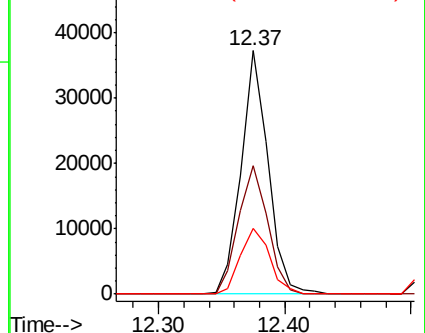
119 27.2 26.2 39.4

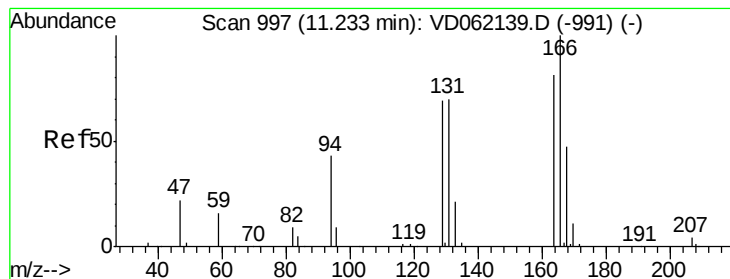


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 36.303 ug/l

RT: 11.27 min Scan# 1001

Delta R.T. 0.04 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 15703

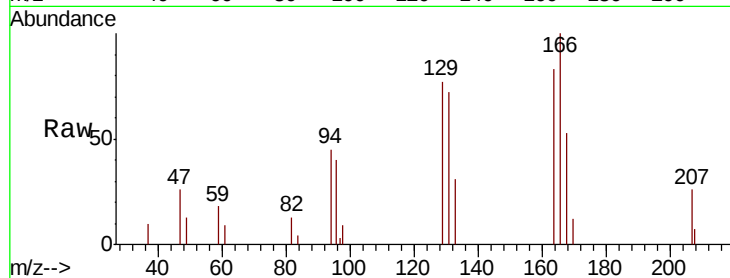
Ion Ratio Lower Upper

164 100

166 120.4 101.5 152.3

129 93.0 74.6 112.0

131 87.1 72.6 108.8

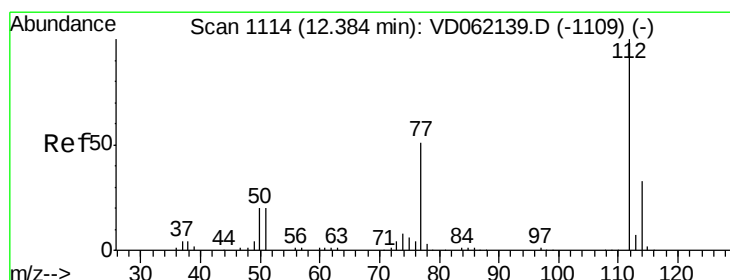
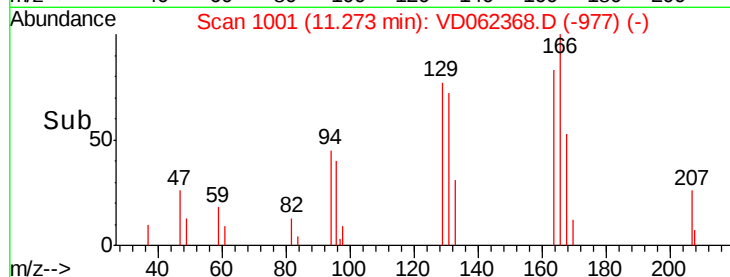
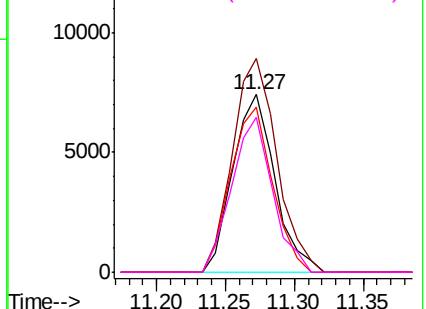


Abundance Ion 163.85 (163.55 to 164.55): V

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: 45.108 ug/l

RT: 12.40 min Scan# 1116

Delta R.T. 0.02 min

Lab File: VD062368.D

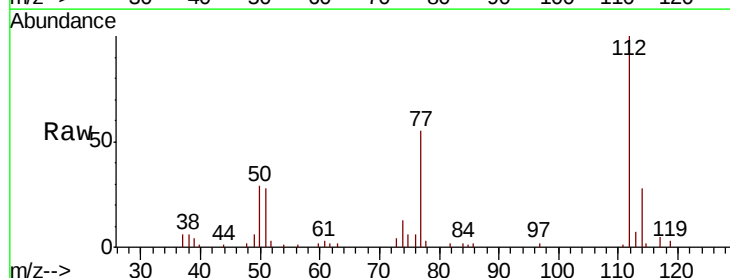
Acq: 15 May 2019 2:37

Tgt Ion:112 Resp: 46475

Ion Ratio Lower Upper

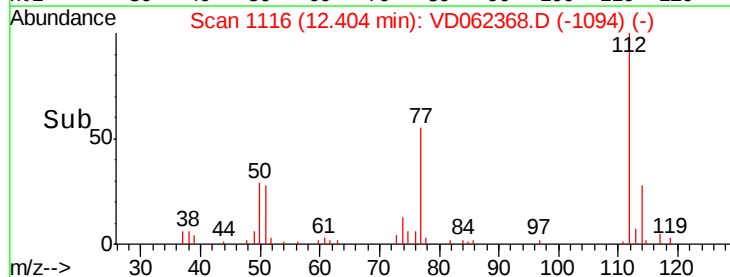
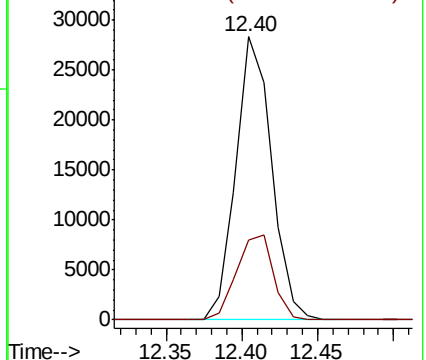
112 100

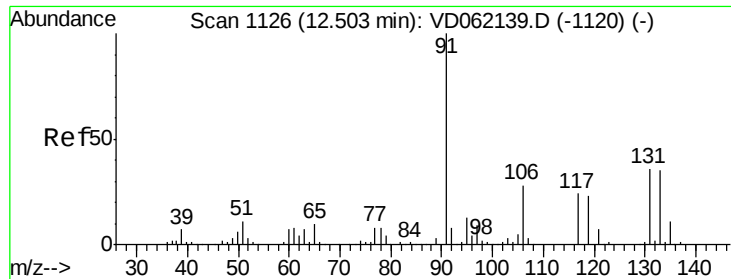
114 29.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 60.321 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampled :

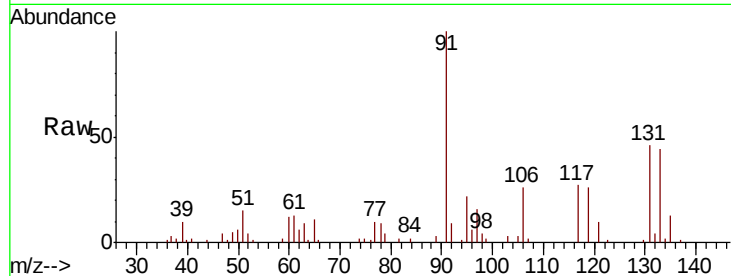
Tot Ion:131 Resp: 27048

Ion Ratio Lower Upper

131 100

133 95.2 48.6 145.8

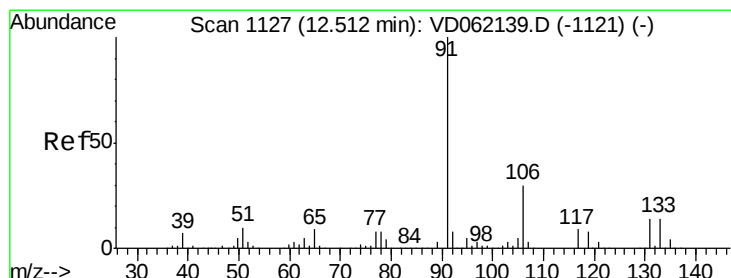
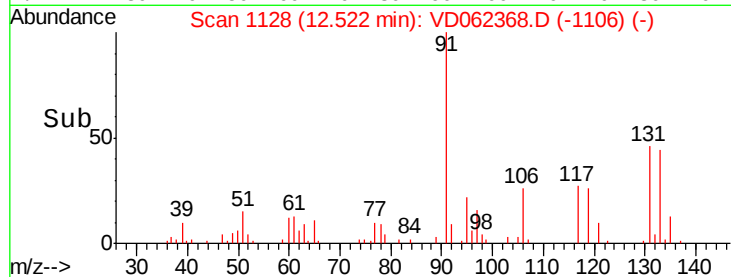
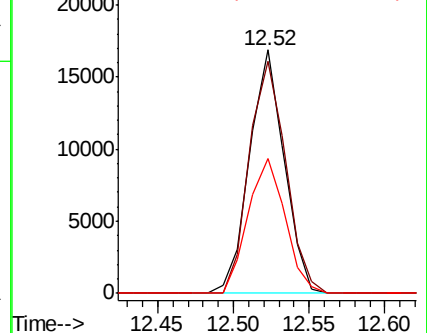
119 55.4 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 45.882 ug/l

RT: 12.53 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD062368.D

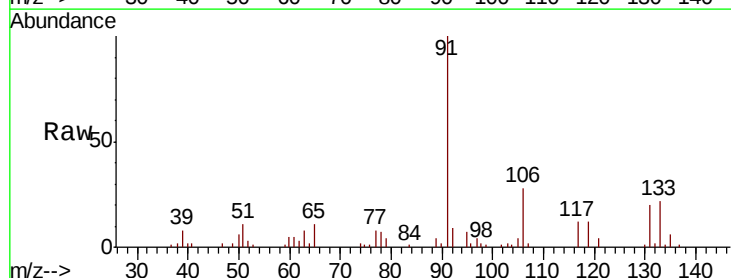
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 79141

Ion Ratio Lower Upper

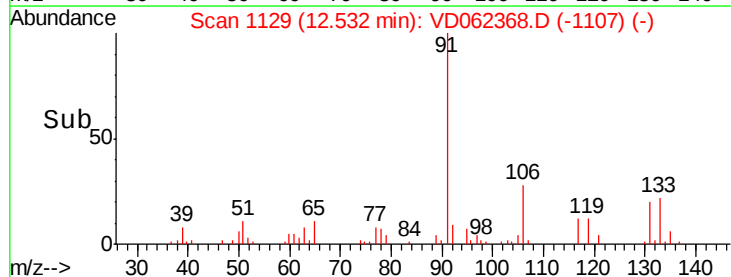
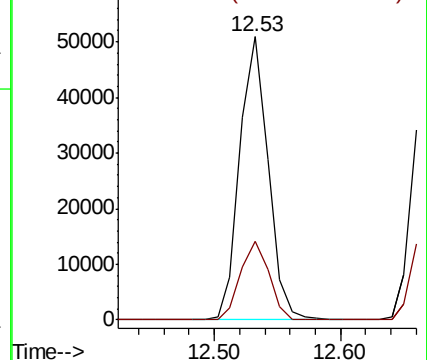
91 100

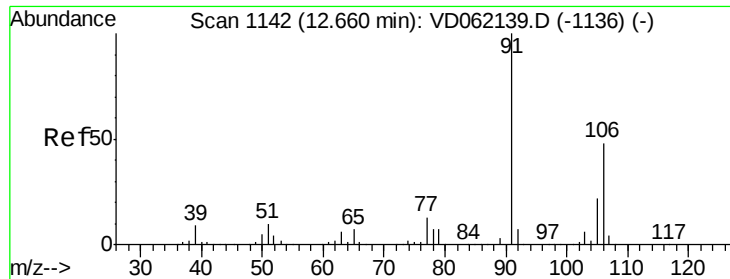
106 27.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

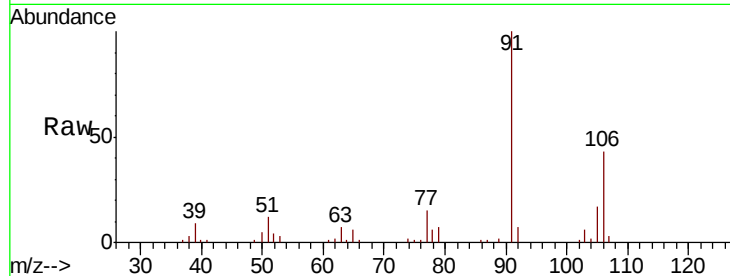




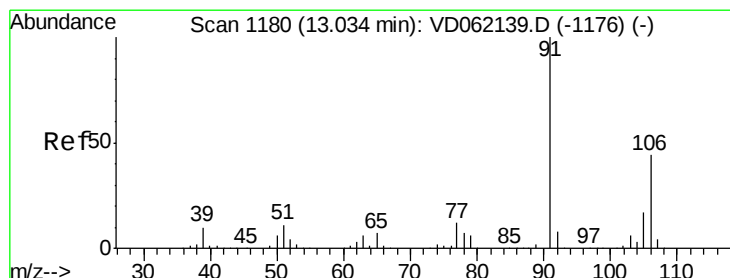
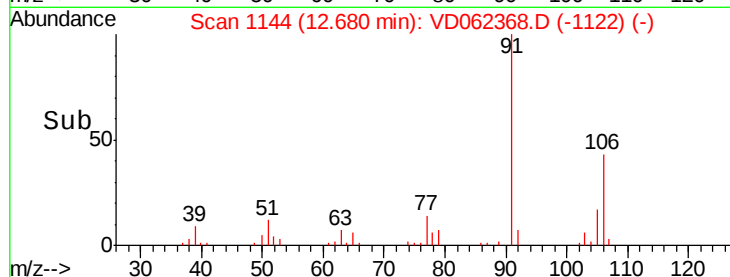
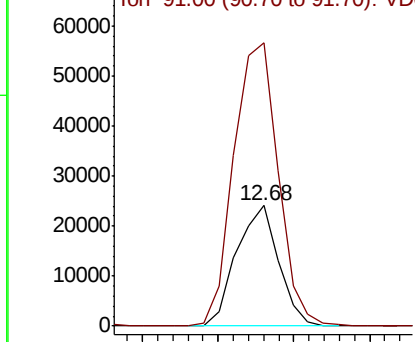
#68
m/p-Xylenes
Concen: 74.434 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 46711
Ion Ratio Lower Upper
106 100
91 234.9 164.0 246.0

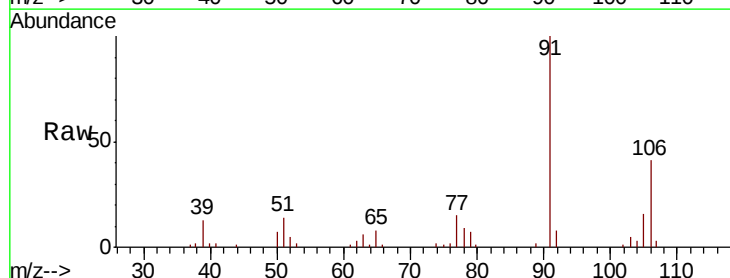


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

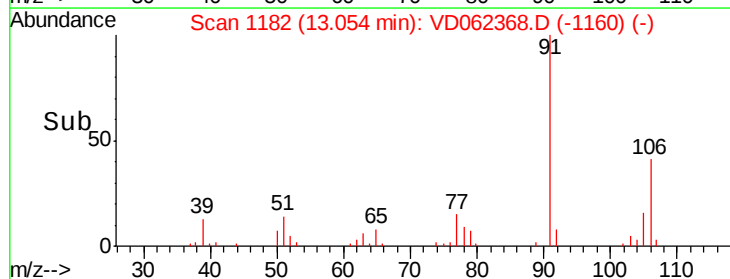
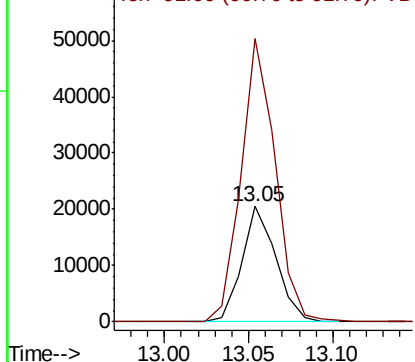


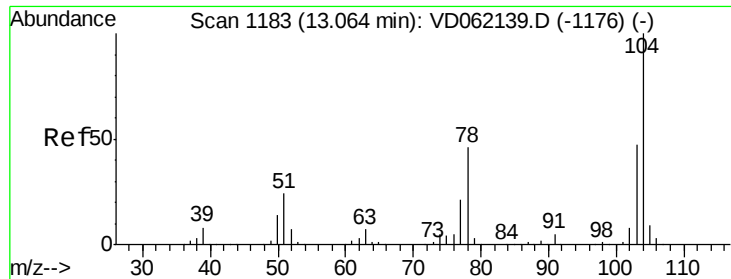
#69
o-Xylene
Concen: 49.038 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:106 Resp: 28610
Ion Ratio Lower Upper
106 100
91 245.6 106.7 319.9



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





#70

Stvrene

Concen: 52.813 ug/l

RT: 13.08 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

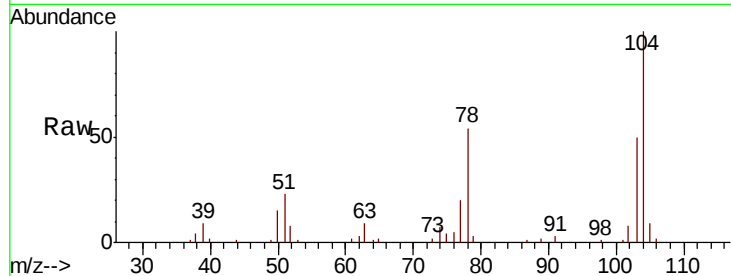
Tot Ion:104 Resp: 52197

Ion Ratio Lower Upper

104 100

78 53.7 35.4 53.2#

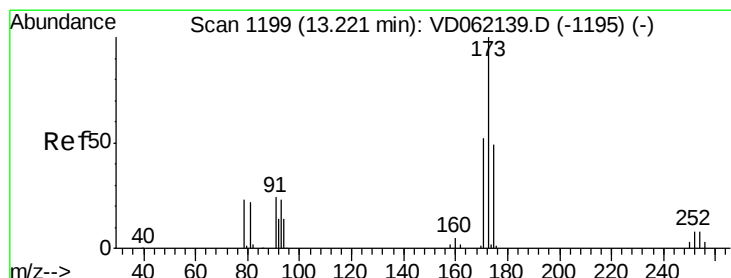
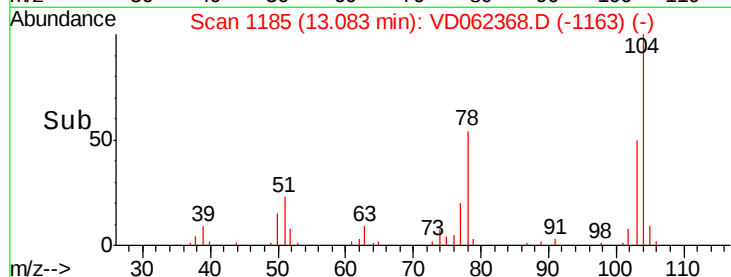
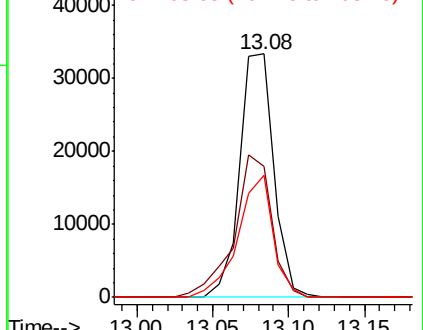
103 50.0 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#71

Bromoform

Concen: 103.280 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

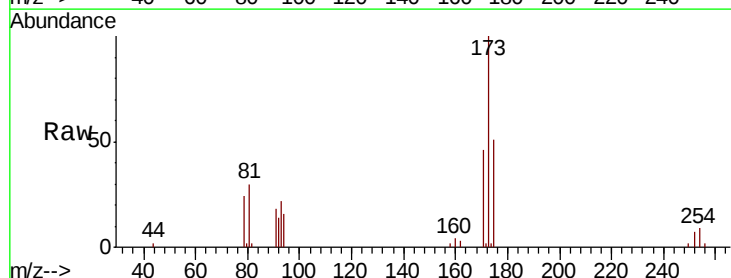
Tgt Ion:173 Resp: 32220

Ion Ratio Lower Upper

173 100

175 51.5 24.4 73.4

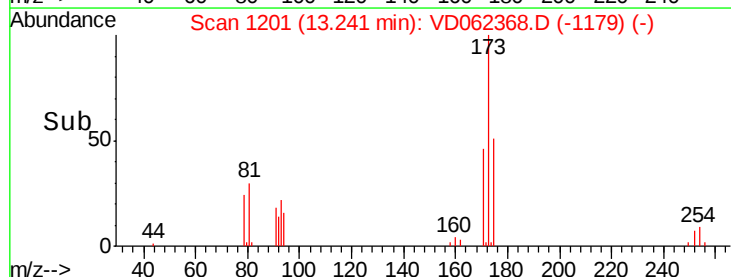
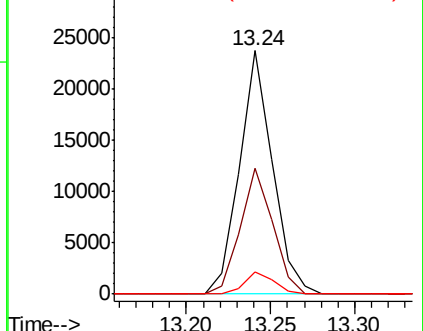
254 9.3 5.4 8.2#

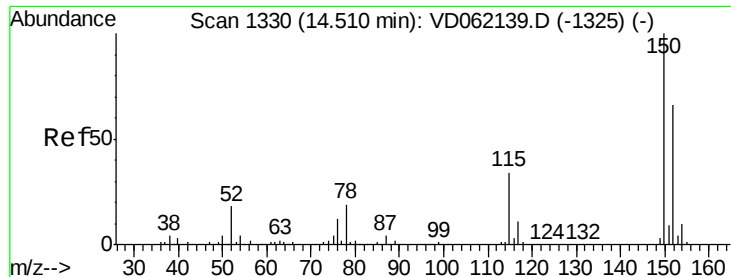


Abundance Ion 172.80 (172.50 to 173.50): V

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: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

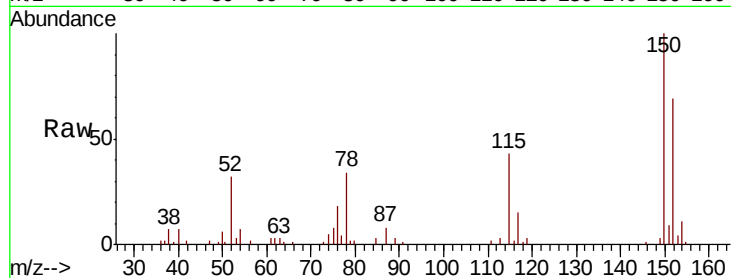
Tot Ion:152 Resp: 26775

Ion Ratio Lower Upper

152 100

115 62.6 30.9 92.7

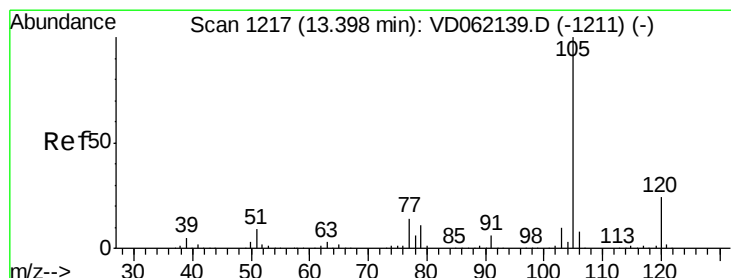
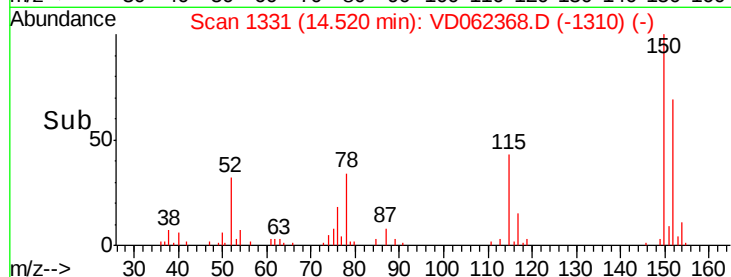
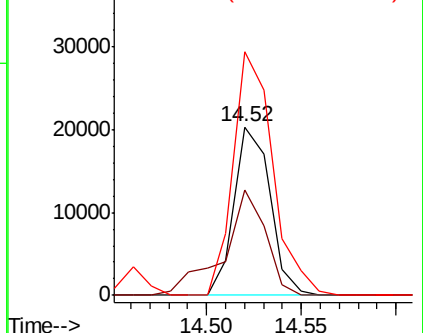
150 144.5 0.0 314.8



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: 40.943 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062368.D

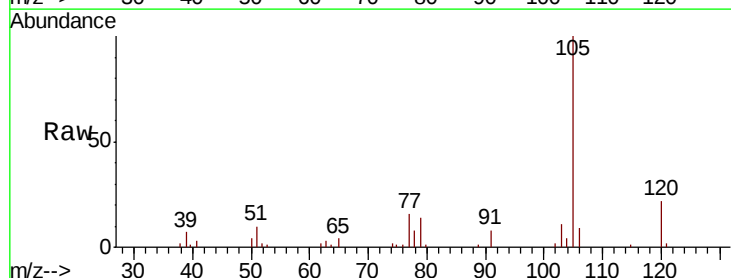
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 65712

Ion Ratio Lower Upper

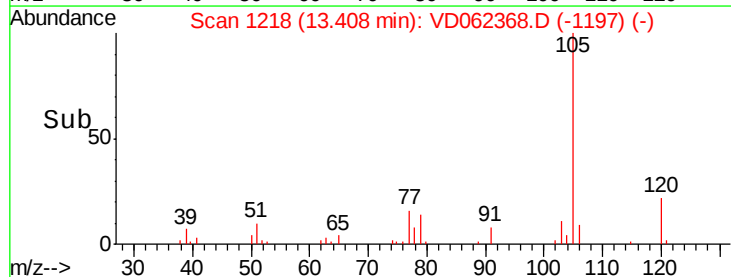
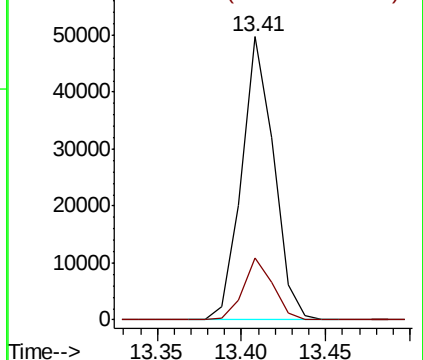
105 100

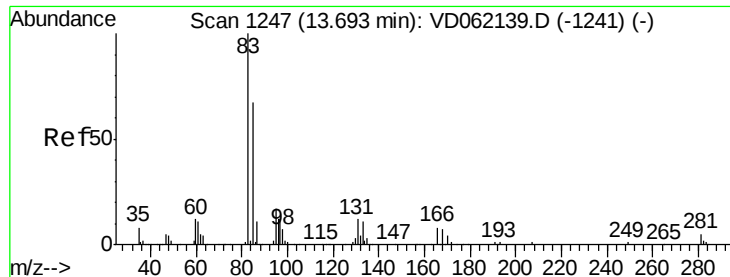
120 21.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#75

1,1,2,2-Tetrachloroethane

Concen: 131.506 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062368.D

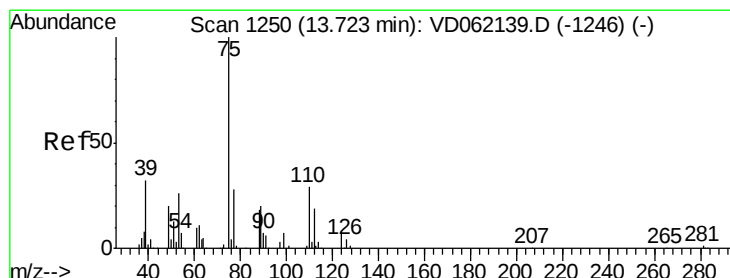
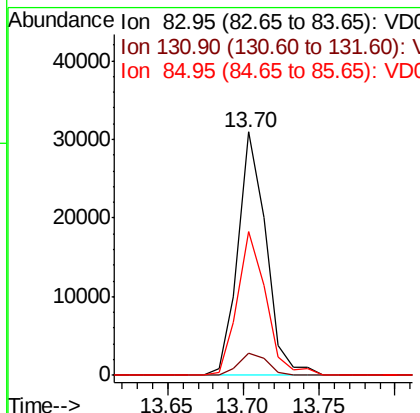
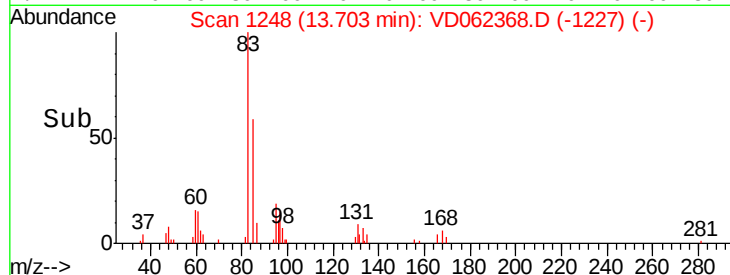
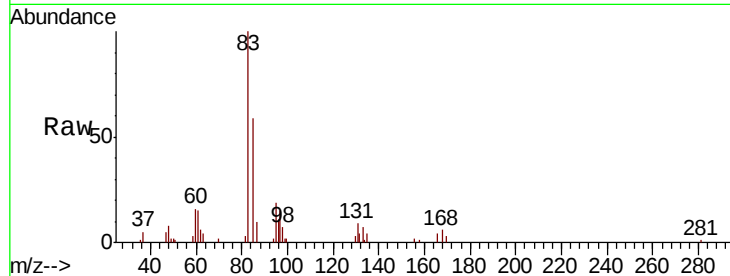
Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	83	Resp:	39957
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.0	14.9
85	58.9	32.6	97.7



#76

1,2,3-Trichloropropane

Concen: 137.850 ug/l

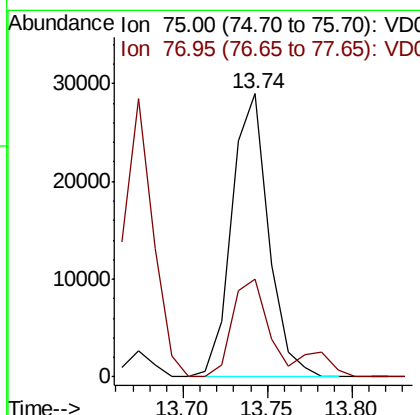
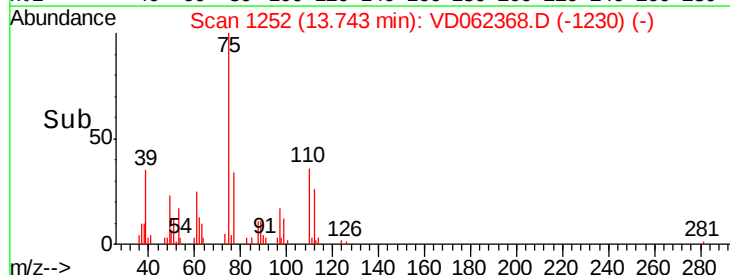
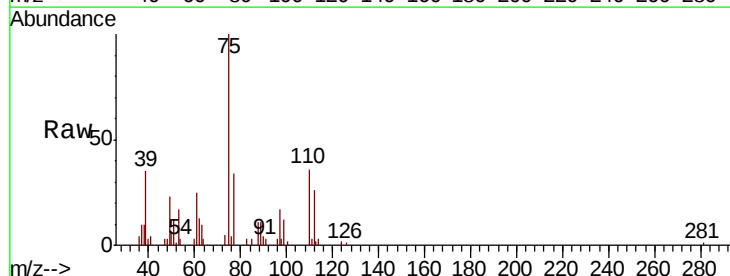
RT: 13.74 min Scan# 1252

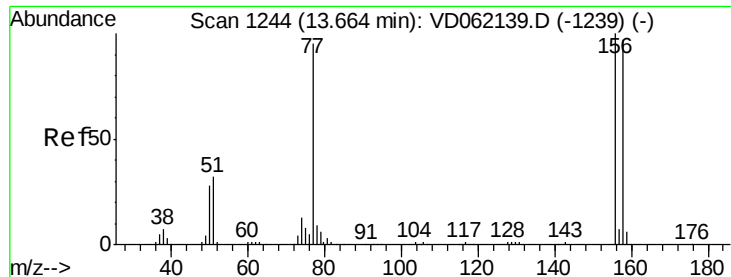
Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Tgt Ion:	75	Resp:	43864
Ion	Ratio	Lower	Upper
75	100		
77	34.4	16.4	49.4





#77

Bromobenzene

Concen: 60.132 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

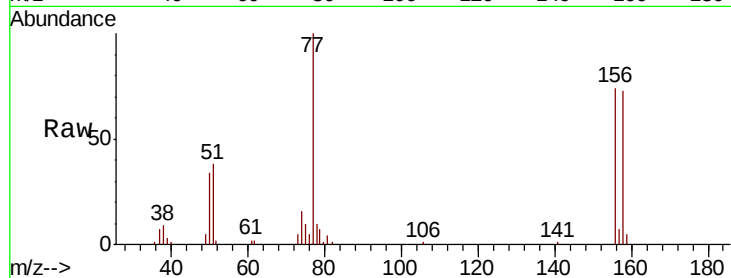
Tot Ion:156 Resp: 27017

Ion Ratio Lower Upper

156 100

77 135.9 53.1 159.4

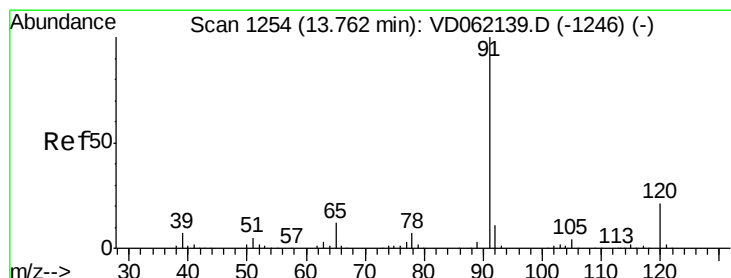
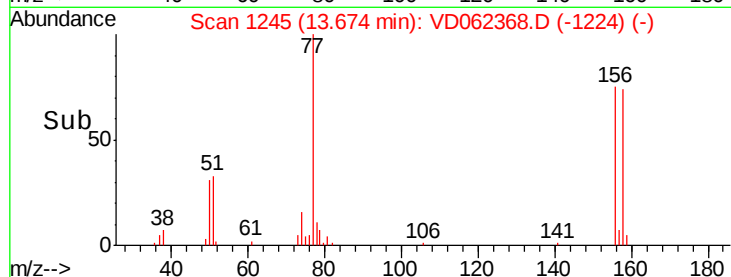
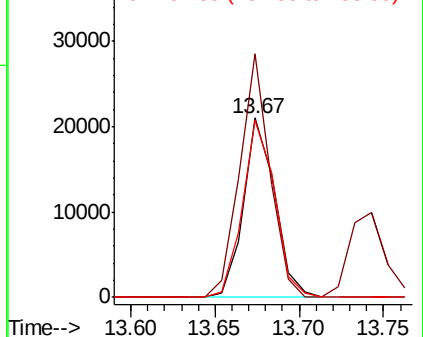
158 98.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 35.345 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062368.D

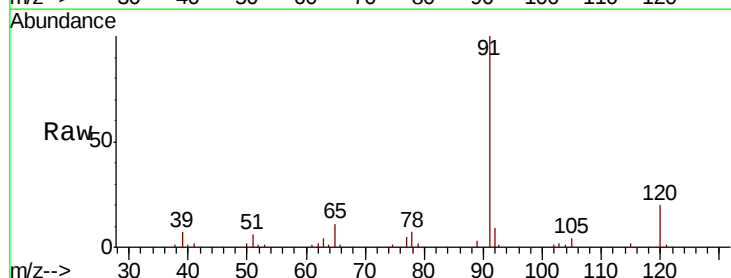
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 67670

Ion Ratio Lower Upper

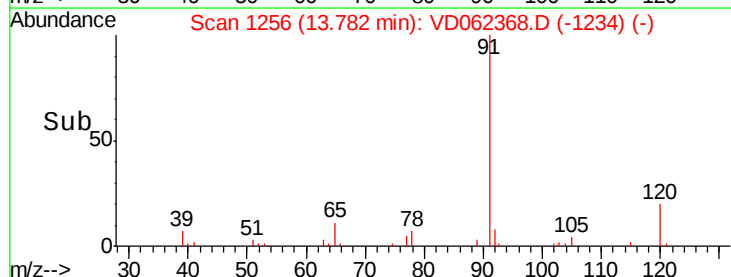
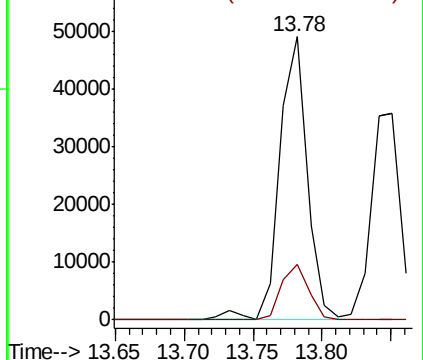
91 100

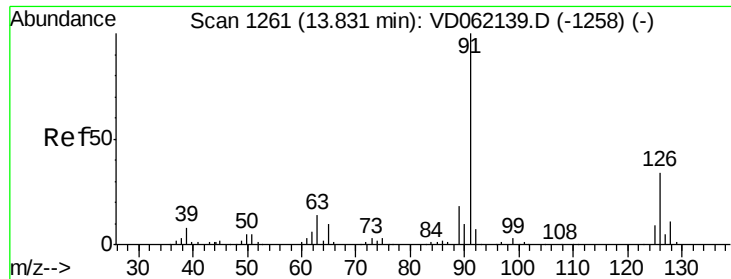
120 19.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

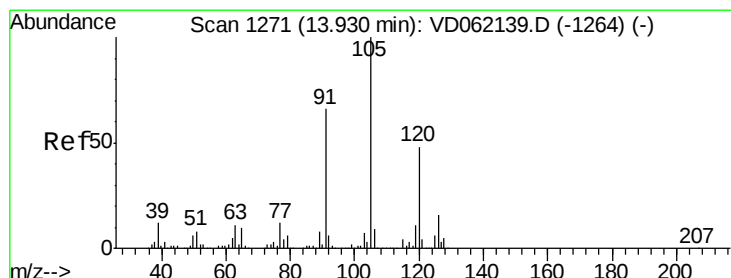
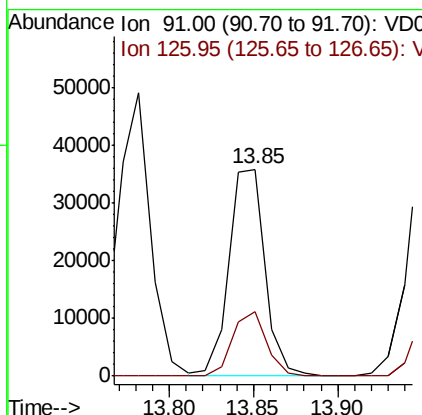
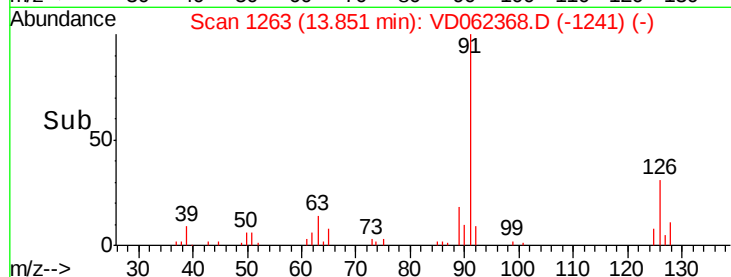
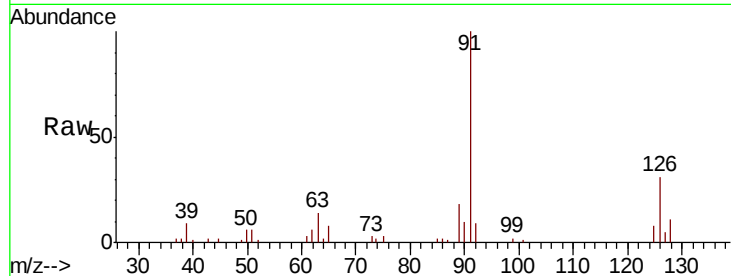




#79
2-Chlorotoluene
Concen: 48.592 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

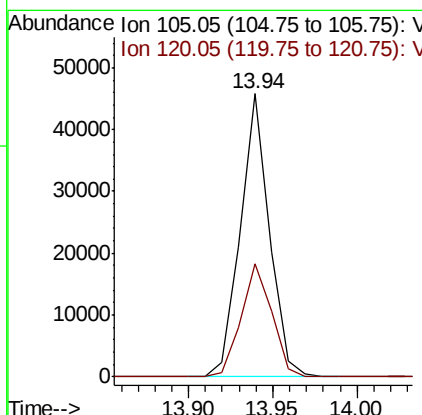
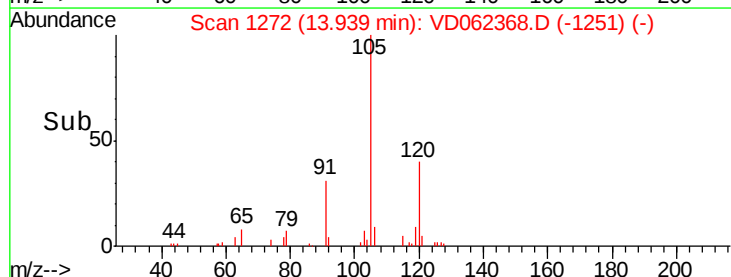
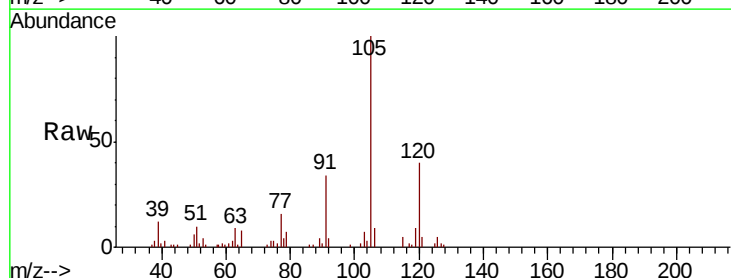
Instrument :
MSVOA_D
ClientSampleId :

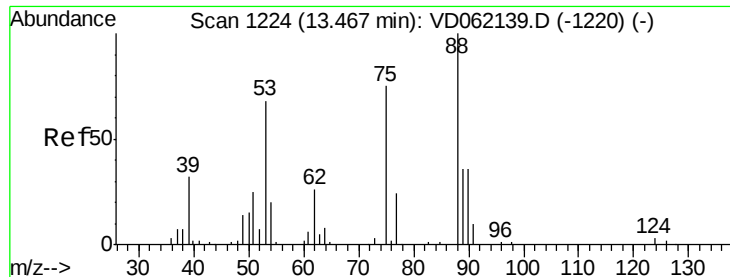
Tot Ion: 91 Resp: 53281
Ion Ratio Lower Upper
91 100
126 31.1 18.6 55.8



#80
1,3,5-Trimethylbenzene
Concen: 40.429 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 54641
Ion Ratio Lower Upper
105 100
120 40.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.141 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

ClientSampleId :

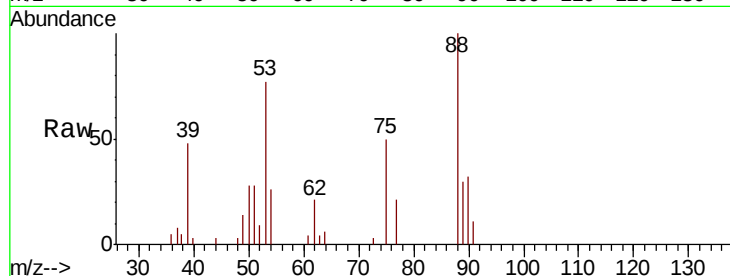
Tot Ion: 75 Resp: 8277

Ion Ratio Lower Upper

75 100

53 153.7 65.8 98.8#

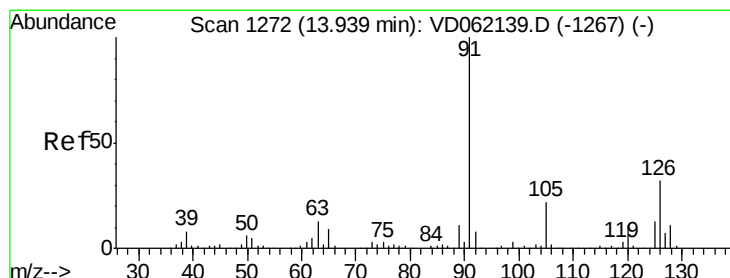
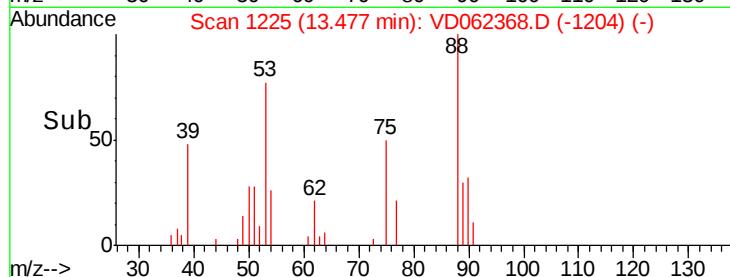
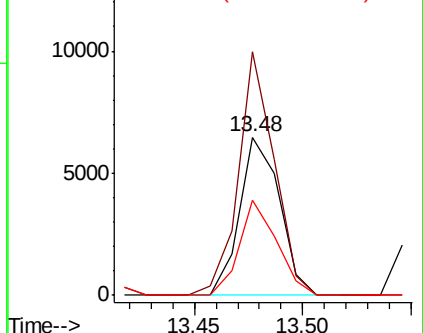
89 60.4 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 47.234 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062368.D

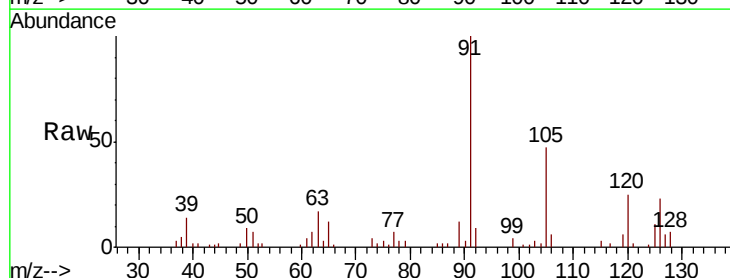
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 60946

Ion Ratio Lower Upper

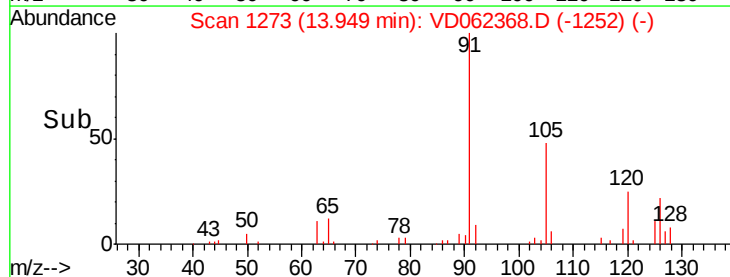
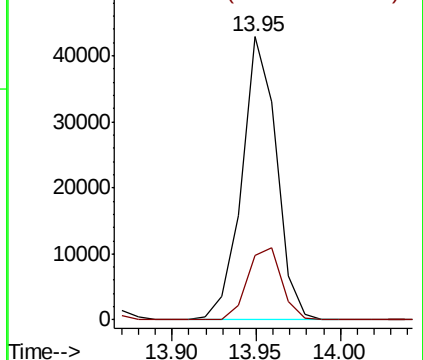
91 100

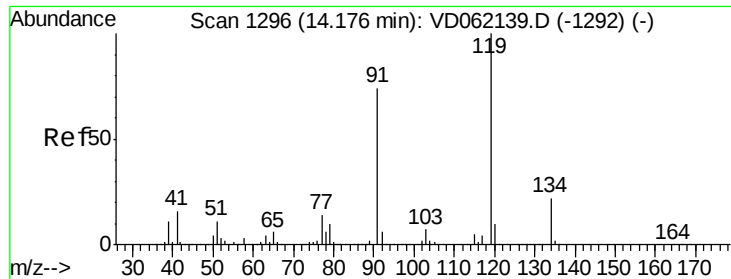
126 22.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

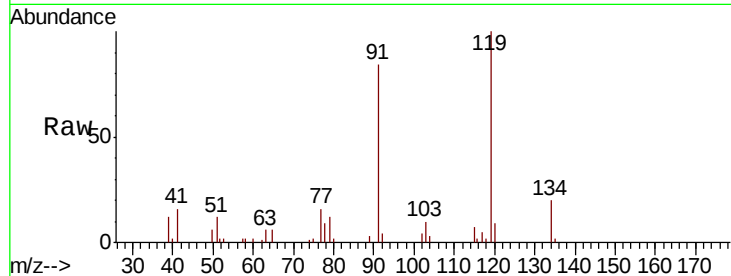




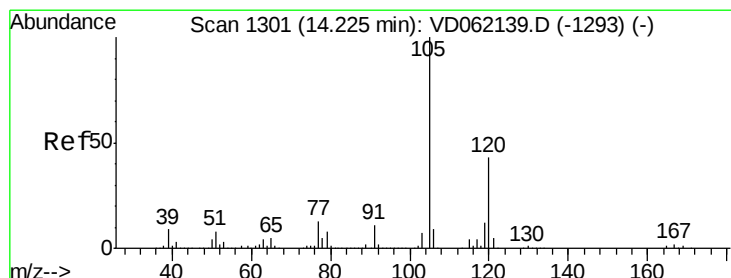
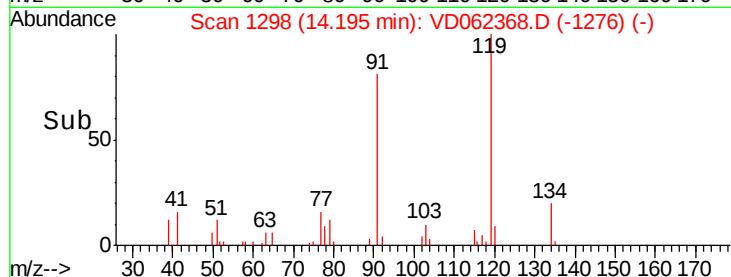
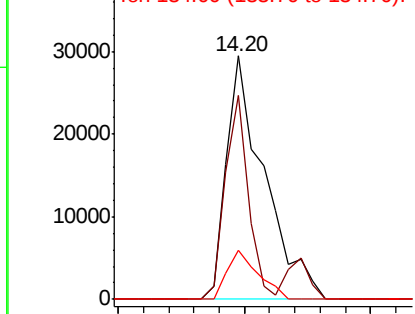
#83
tert-Butylbenzene
Concen: 40.371 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 61328
Ion Ratio Lower Upper
119 100
91 83.9 34.2 102.6
134 20.2 12.0 36.0

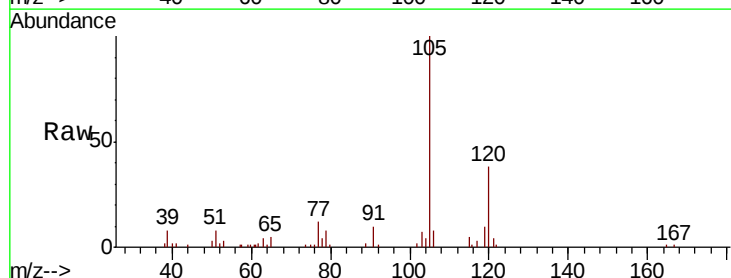


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

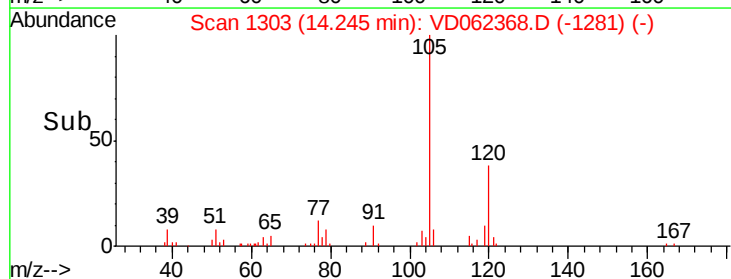
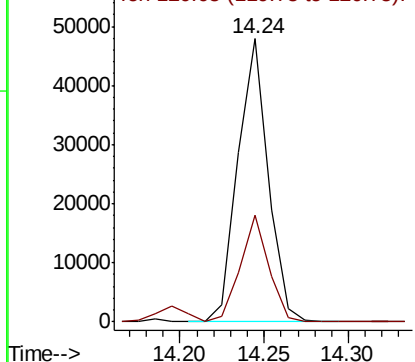


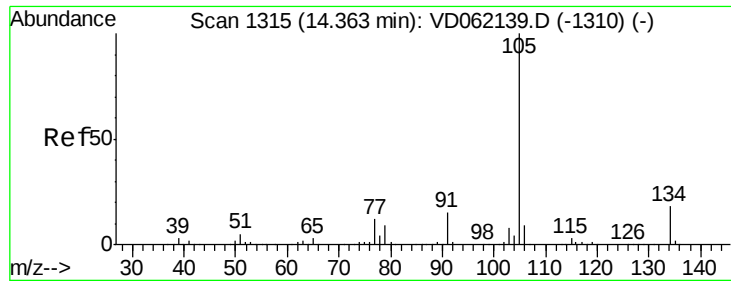
#84
1,2,4-Trimethylbenzene
Concen: 43.914 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 59558
Ion Ratio Lower Upper
105 100
120 37.5 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 23.642 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

Instrument :

MSVOA_D

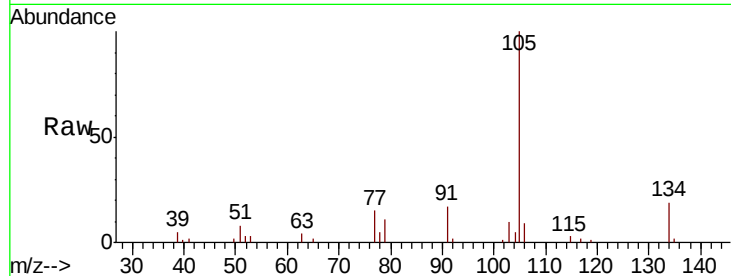
ClientSampleId :

Tot Ion:105 Resp: 39377

Ion Ratio Lower Upper

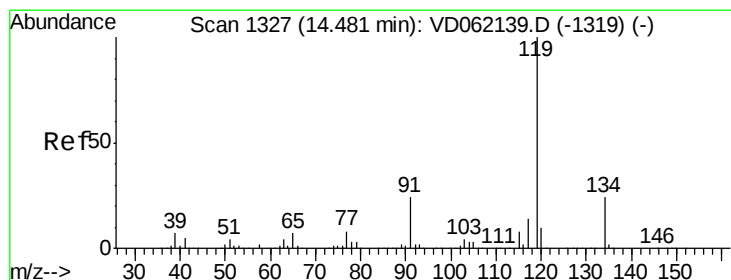
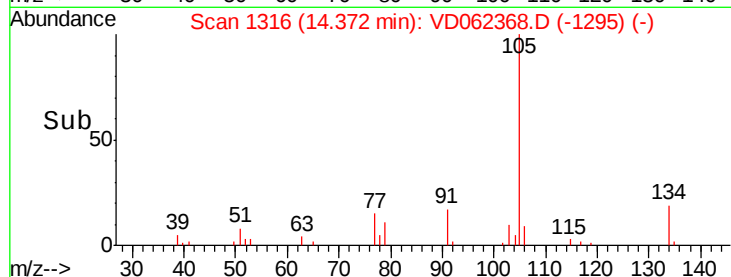
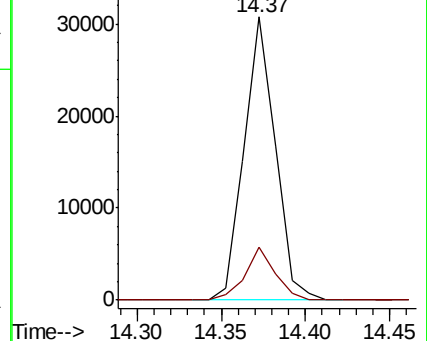
105 100

134 18.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 27.222 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062368.D

Acq: 15 May 2019 2:37

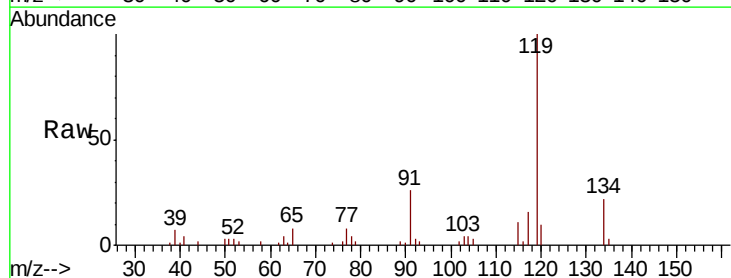
Tgt Ion:119 Resp: 40508

Ion Ratio Lower Upper

119 100

134 21.9 12.8 38.3

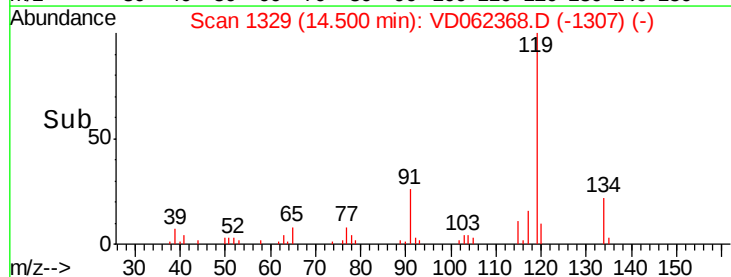
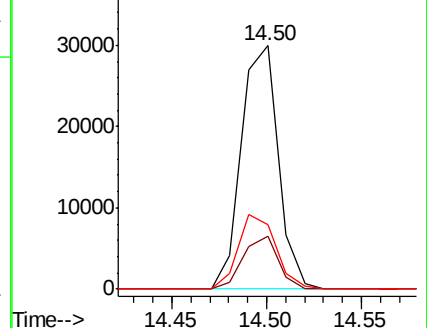
91 26.3 10.7 32.1

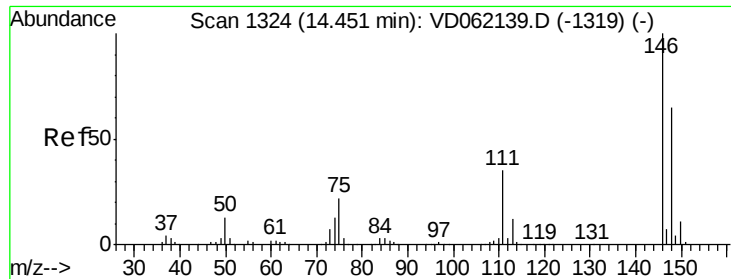


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

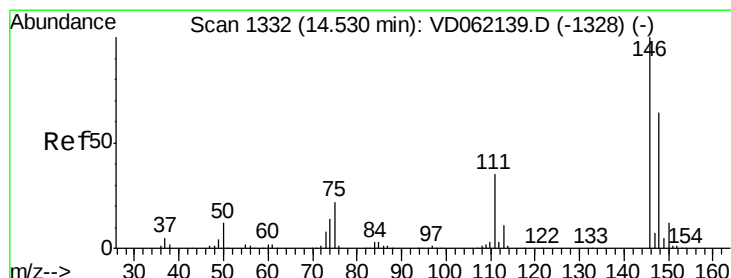
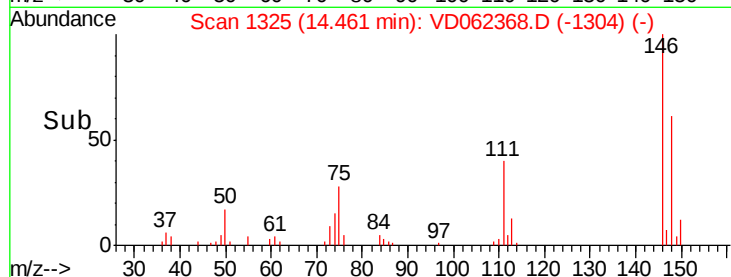
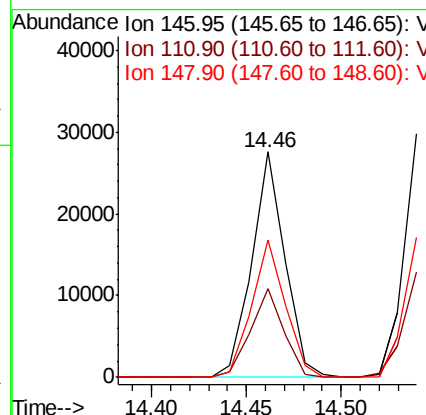
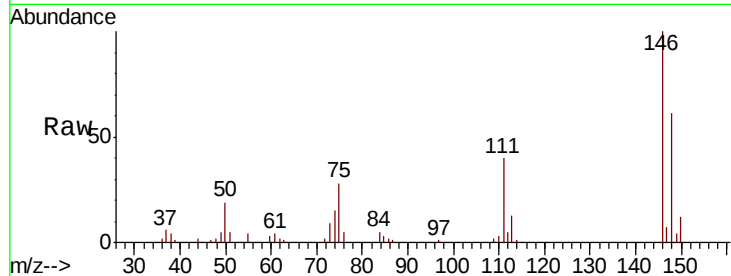




#87
 1,3-Dichlorobenzene
 Concen: 40.920 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

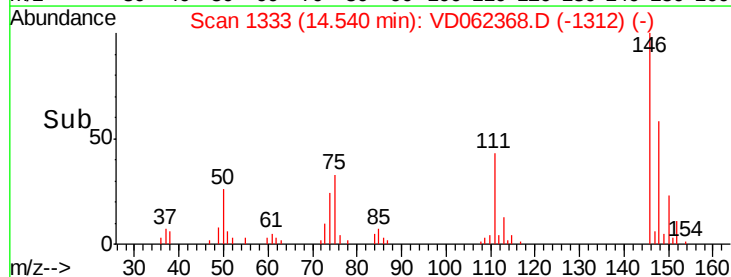
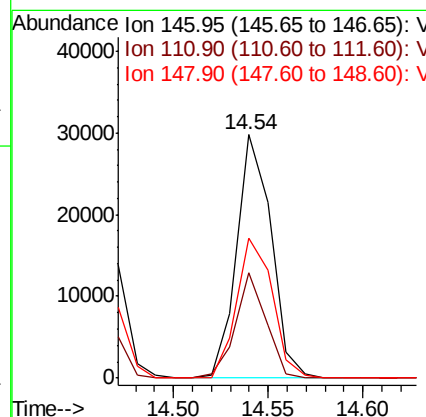
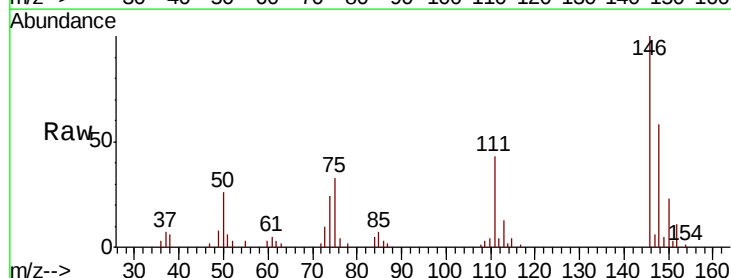
Instrument :
 MSVOA_D
 ClientSampleId :

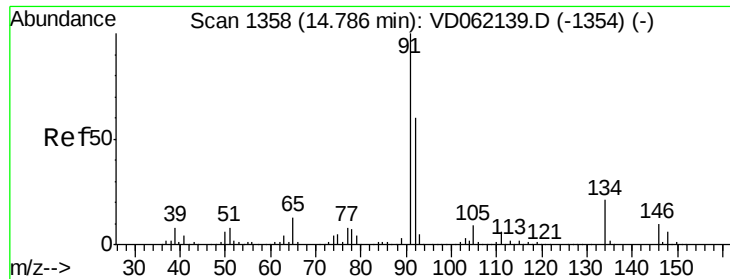
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	60.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.413 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.2	60.5
148	57.7	32.0	96.2

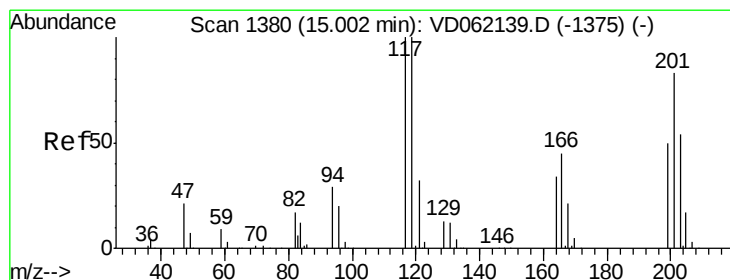
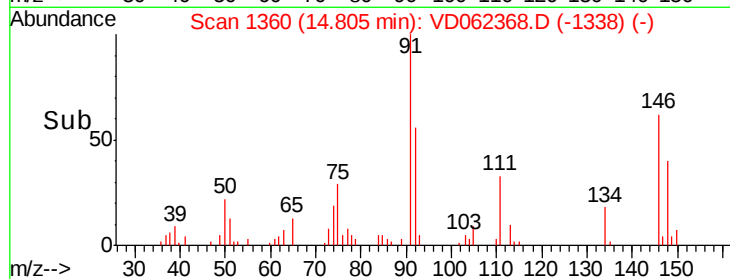
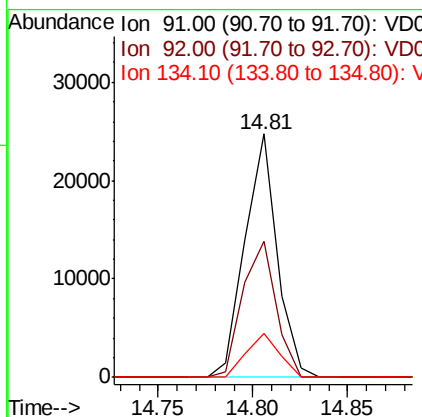
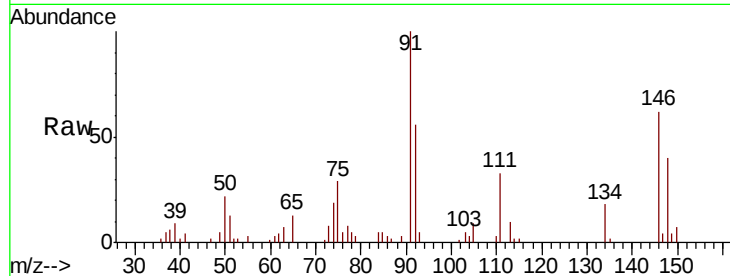




#89
n-Butylbenzene
Concen: 21.784 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

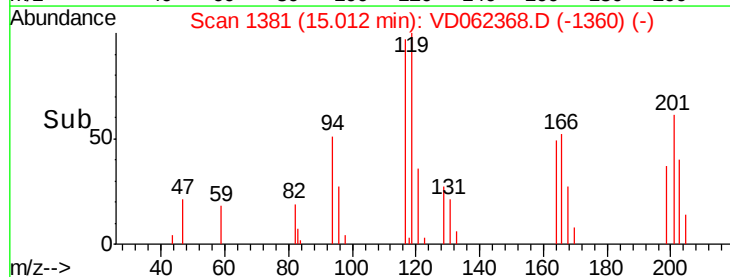
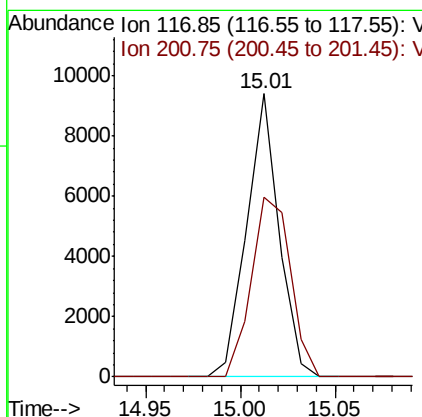
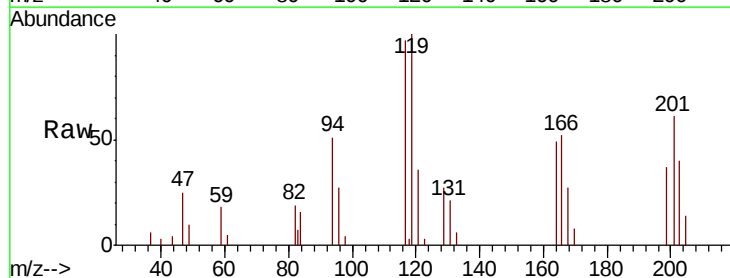
Instrument :
MSVOA_D
ClientSampleId :

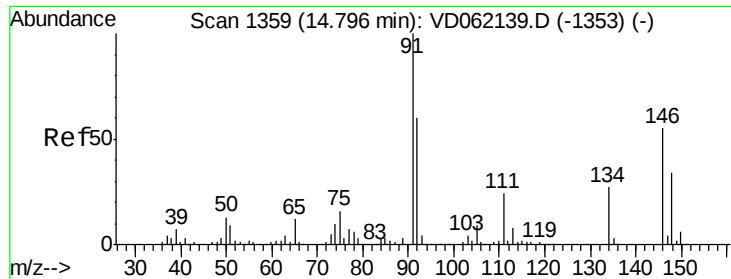
Tot Ion: 91 Resp: 29096
Ion Ratio Lower Upper
91 100
92 55.8 30.3 91.0
134 18.1 14.5 43.6



#90
Hexachloroethane
Concen: 27.471 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 117 Resp: 11117
Ion Ratio Lower Upper
117 100
201 63.5 30.2 90.6

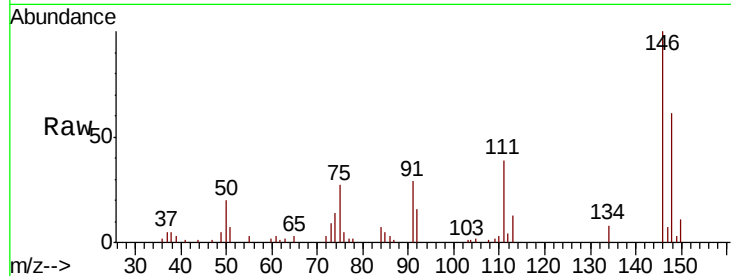




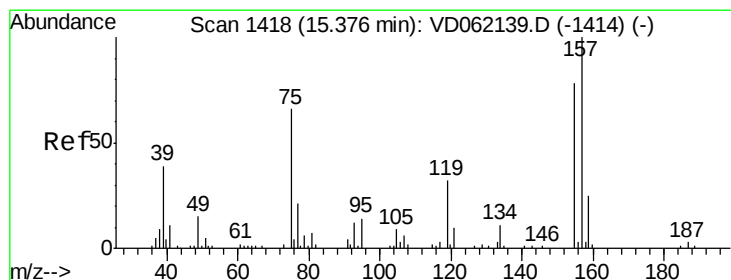
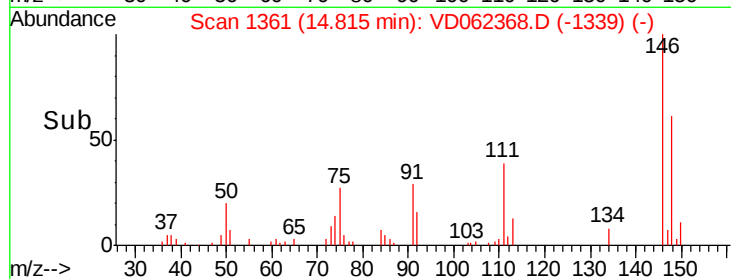
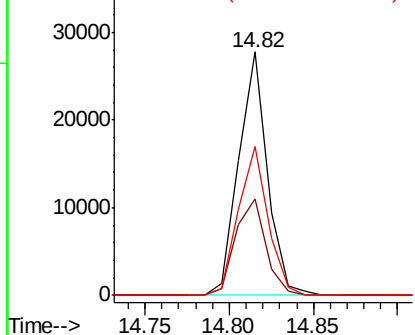
#91
 1,2-Dichlorobenzene
 Concen: 48.402 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 32717
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 61.3 32.3 96.8

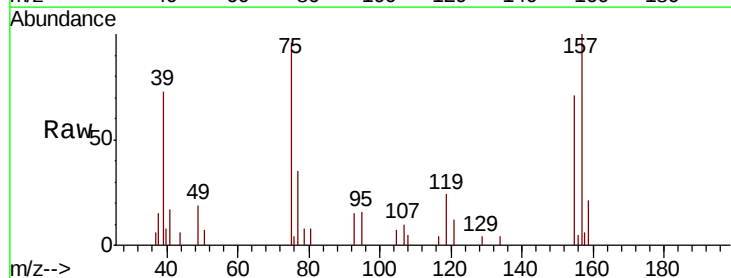


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

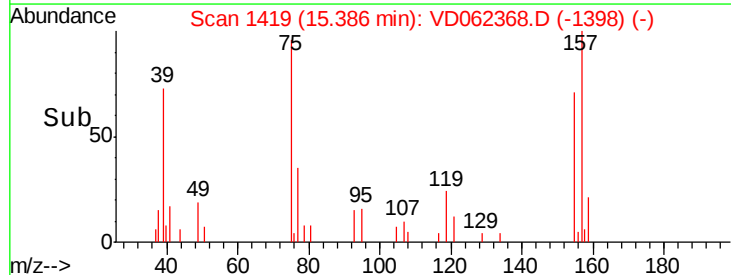
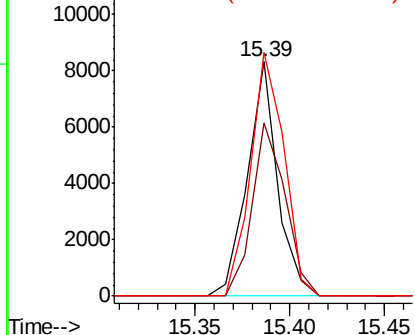


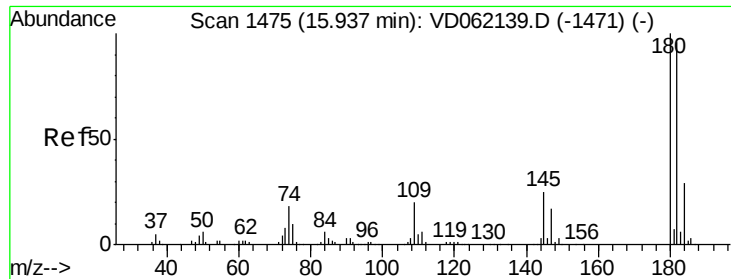
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 183.955 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 9175
 Ion Ratio Lower Upper
 75 100
 155 74.2 55.3 165.8
 157 104.0 67.8 203.2



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

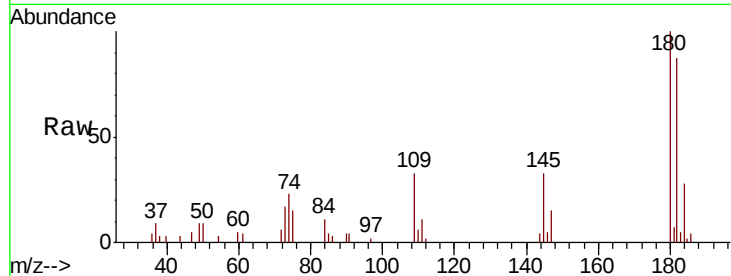




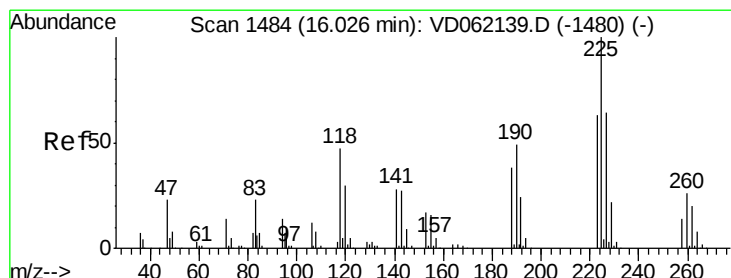
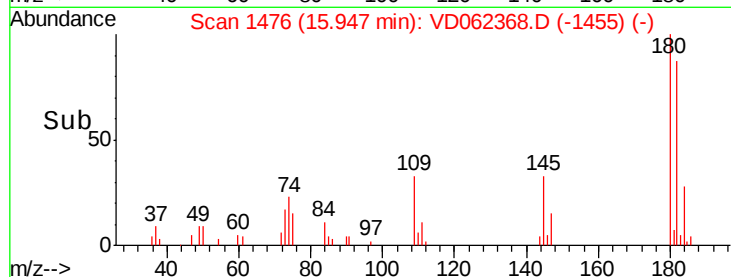
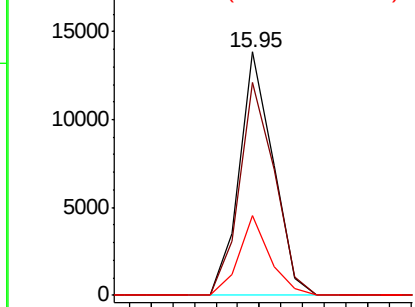
#93
 1,2,4-Trichlorobenzene
 Concen: 30.885 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 15195
 Ion Ratio Lower Upper
 180 100
 182 87.3 49.3 147.8
 145 32.8 16.2 48.6

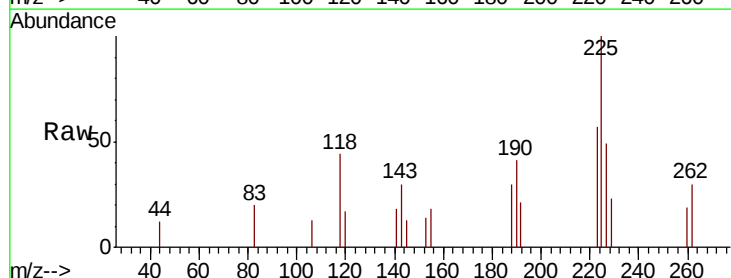


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

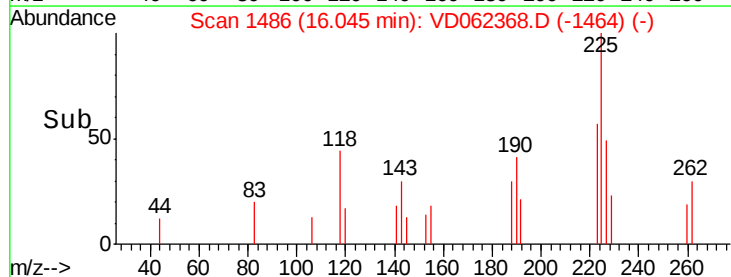
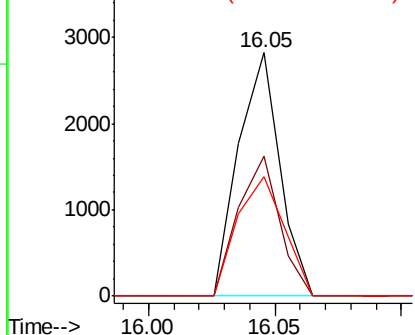


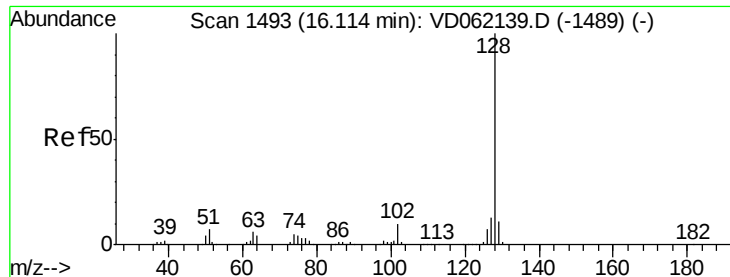
#94
 Hexachlorobutadiene
 Concen: 8.756 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062368.D
 Acq: 15 May 2019 2:37

Tgt Ion:225 Resp: 3204
 Ion Ratio Lower Upper
 225 100
 223 57.2 30.6 92.0
 227 49.0 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

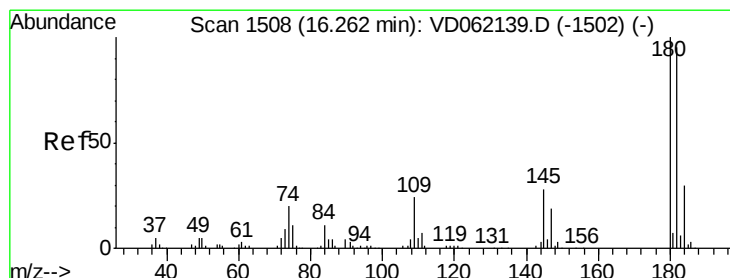
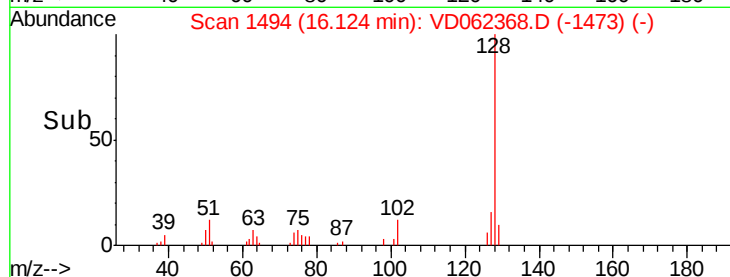
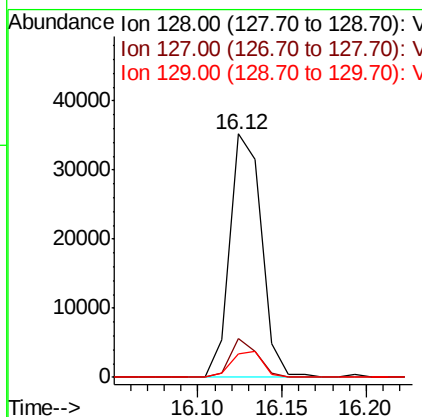
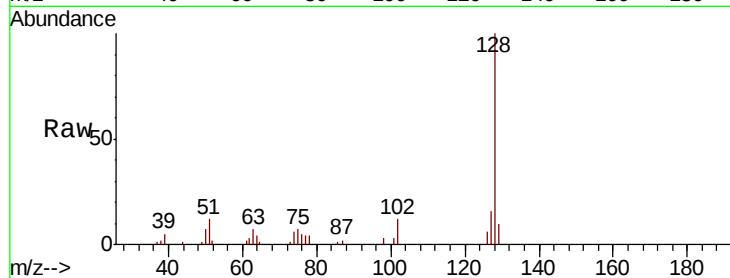




#95
Naphthalene
Concen: 67.007 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 46025
Ion Ratio Lower Upper
128 100
127 15.7 9.8 14.8#
129 9.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 38.227 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:180 Resp: 11825
Ion Ratio Lower Upper
180 100
182 100.7 47.0 141.0
145 32.4 17.0 51.0

