

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062649.D
 Acq On : 10 Jun 2019 13:17
 Operator : VA/AP
 Sample : VD0610SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

Quant Time: Jun 11 03:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	696175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	925120	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	820144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	450903	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	553827	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	6.91	113	524522	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	10.40	98	1206447	58.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	117.56%	
62) 4-Bromofluorobenzene	13.55	95	487583	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	202987	23.725	ug/l	89
3) Chloromethane	1.74	50	153088	22.224	ug/l	94
4) Vinyl Chloride	1.84	62	149792	21.088	ug/l	97
5) Bromomethane	2.15	94	68861	19.206	ug/l	94
6) Chloroethane	2.26	64	67331	19.199	ug/l	91
7) Trichlorofluoromethane	2.52	101	328181	20.642	ug/l	100
8) Diethyl Ether	2.87	74	46770	21.629	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	186229	21.720	ug/l	94
10) Methyl Iodide	3.30	142	223139	20.499	ug/l	95
11) Tert butyl alcohol	4.09	59	35835	86.782	ug/l	96
12) 1,1-Dichloroethene	3.12	96	135479	22.017	ug/l	94
13) Acrolein	3.02	56	19243	144.872	ug/l #	77
14) Allyl chloride	3.60	41	198682	21.000	ug/l	87
15) Acrylonitrile	4.19	53	110158	117.396	ug/l	95
16) Acetone	3.22	43	188539	102.493	ug/l #	93
17) Carbon Disulfide	3.37	76	369839	20.396	ug/l	98
18) Methyl Acetate	3.64	43	63049	20.856	ug/l #	86
19) Methyl tert-butyl Ether	4.23	73	330913	22.050	ug/l	98
20) Methylene Chloride	3.81	84	153026	21.768	ug/l #	90
21) trans-1,2-Dichloroethene	4.21	96	141421	20.953	ug/l	96
22) Diisopropyl ether	5.11	45	425914	21.680	ug/l	98
23) Vinyl Acetate	5.05	43	1283464	105.310	ug/l	96
24) 1,1-Dichloroethane	4.97	63	263804	20.874	ug/l	98
25) 2-Butanone	6.07	43	184834	102.993	ug/l	98
26) 2,2-Dichloropropane	6.02	77	316399	21.722	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	157806	21.567	ug/l	96
28) Bromochloromethane	6.43	49	93750	19.406	ug/l	95
29) Tetrahydrofuran	6.45	42	85696	106.037	ug/l	96
30) Chloroform	6.66	83	355376	21.917	ug/l	87
31) Cyclohexane	6.95	56	158031	19.934	ug/l	92
32) 1,1,1-Trichloroethane	6.86	97	339718	21.055	ug/l	98
36) 1,1-Dichloropropene	7.14	75	214319	20.242	ug/l	96
37) Ethyl Acetate	6.17	43	90028	20.664	ug/l #	91
38) Carbon Tetrachloride	7.10	117	372892	22.282	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062649.D
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 Sample : VD0610SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Quant Time: Jun 11 03:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	178384	20.849	ug/l	92
40) Benzene	7.44	78	425198	20.564	ug/l	97
41) Methacrylonitrile	6.45	41	116106	20.948	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	262072	21.264	ug/l	95
43) Isopropyl Acetate	9.24	43	120774	21.618	ug/l #	97
44) Trichloroethene	8.54	130	174766	20.819	ug/l	98
45) 1,2-Dichloropropane	8.93	63	109355	22.018	ug/l	99
46) Dibromomethane	9.06	93	99913	22.663	ug/l	93
47) Bromodichloromethane	9.37	83	267840	22.334	ug/l	92
48) Methyl methacrylate	9.12	41	83869	20.780	ug/l	94
49) 1,4-Dioxane	9.08	88	12655	381.326	ug/l #	82
51) 4-Methyl-2-Pentanone	10.29	43	418629	107.091	ug/l	90
52) Toluene	10.50	92	274365	19.740	ug/l	91
53) t-1,3-Dichloropropene	10.91	75	216633	22.032	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	233161	22.943	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	99106	20.792	ug/l	99
56) Ethyl methacrylate	11.04	69	110010	21.585	ug/l	92
57) 1,3-Dichloropropane	11.40	76	159245	21.555	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	295779	116.101	ug/l	99
59) 2-Hexanone	11.53	43	305046	104.905	ug/l	99
60) Dibromochloromethane	11.68	129	210516	22.373	ug/l	96
61) 1,2-Dibromoethane	11.80	107	123233	21.602	ug/l	96
64) Tetrachloroethene	11.24	164	157693	20.540	ug/l	93
65) Chlorobenzene	12.40	112	367804	20.275	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	189093	21.855	ug/l	100
67) Ethyl Benzene	12.51	91	708429	22.025	ug/l	98
68) m/p-Xylenes	12.66	106	451232	39.905	ug/l	98
69) o-Xylene	13.05	106	196042	18.877	ug/l	100
70) Styrene	13.07	104	354370	19.124	ug/l	98
71) Bromoform	13.23	173	120284	19.927	ug/l #	95
73) Isopropylbenzene	13.40	105	672769	21.168	ug/l	99
74) N-amyl acetate	13.26	43	174091	20.268	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	112021	20.599	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	125656	20.553	ug/l	96
77) Bromobenzene	13.67	156	187606	20.653	ug/l	95
78) n-propylbenzene	13.76	91	760437	19.547	ug/l	96
79) 2-Chlorotoluene	13.83	91	464571	20.395	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	592262	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	32526	20.437	ug/l	90
82) 4-Chlorotoluene	13.94	91	566196	20.785	ug/l	97
83) tert-Butylbenzene	14.19	119	627690	20.261	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	598055	21.504	ug/l	99
85) sec-Butylbenzene	14.36	105	675608	20.797	ug/l	99
86) p-Isopropyltoluene	14.48	119	644746	20.384	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	329354	20.014	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	344622	22.159	ug/l	98
89) n-Butylbenzene	14.80	91	614297	21.589	ug/l	96
90) Hexachloroethane	15.00	117	168841	20.220	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	305550	22.337	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22224	19.132	ug/l #	52

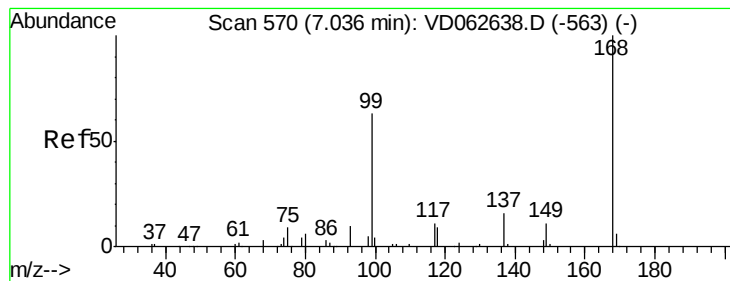
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062649.D
Acq On : 10 Jun 2019 13:17
Operator : VA/AP
Sample : VD0610SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Quant Time: Jun 11 03:55:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	215204	20.790	ug/l	94
94) Hexachlorobutadiene	16.03	225	163512	20.246	ug/l	95
95) Naphthalene	16.12	128	301424	20.602	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	160006	20.308	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

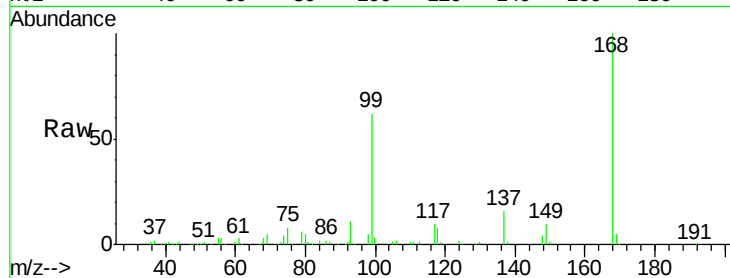
VD0610SBSD01

Tgt Ion:168 Resp: 696175

Ion Ratio Lower Upper

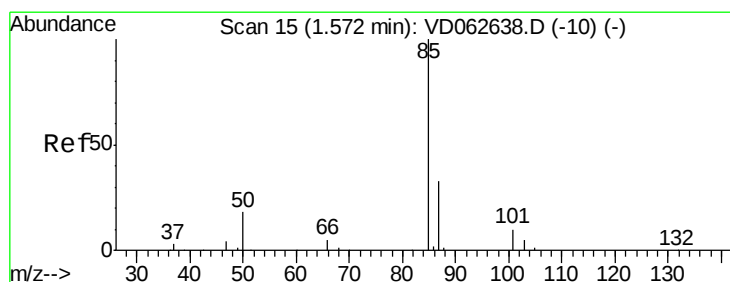
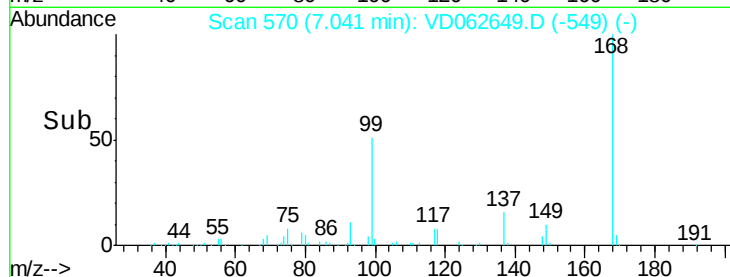
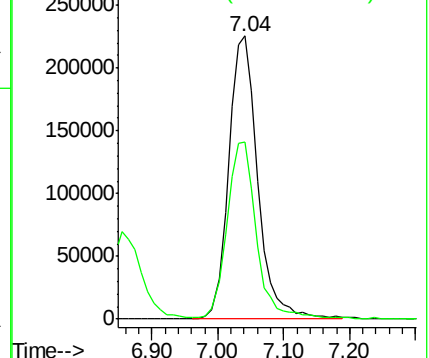
168 100

99 62.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.725 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062649.D

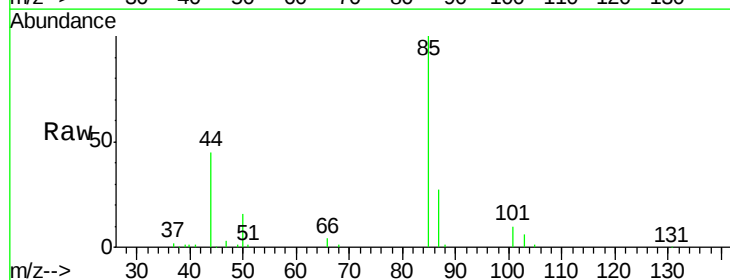
Acq: 10 Jun 2019 13:17

Tgt Ion: 85 Resp: 202987

Ion Ratio Lower Upper

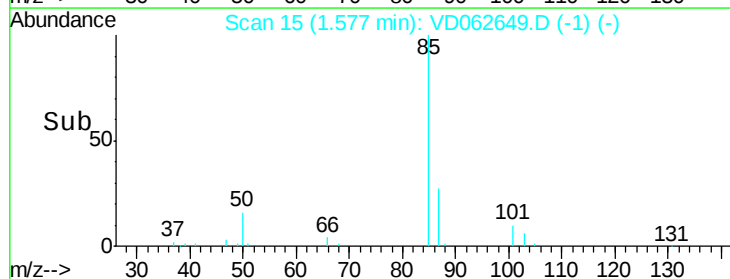
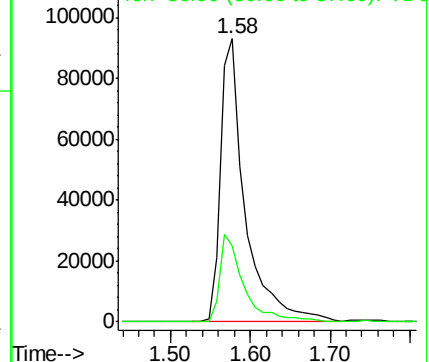
85 100

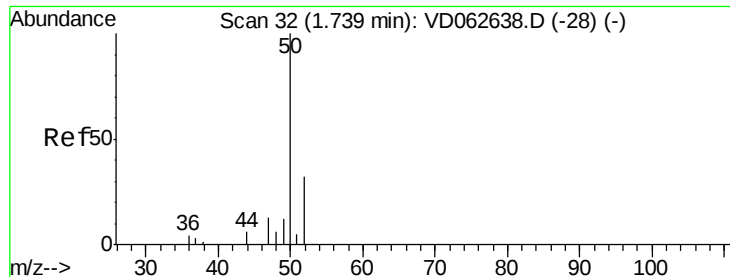
87 27.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.224 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

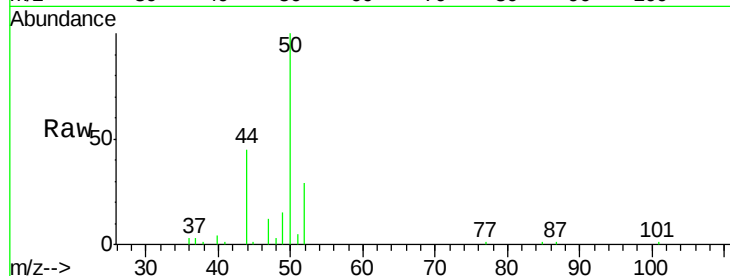
VD0610SBSD01

Tgt Ion: 50 Resp: 153088

Ion Ratio Lower Upper

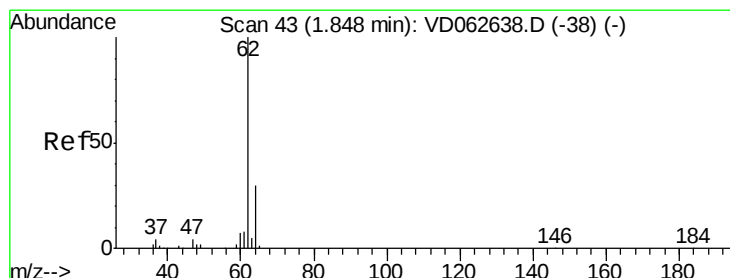
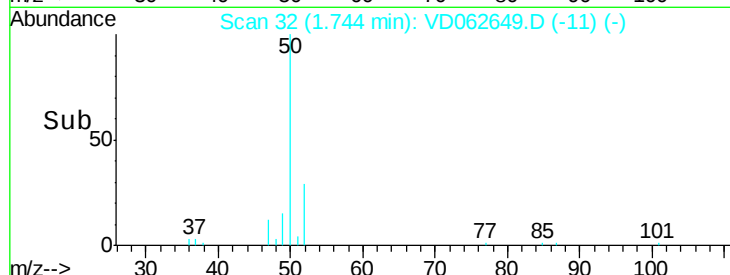
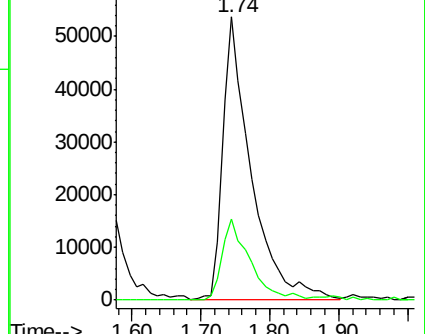
50 100

52 28.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.088 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062649.D

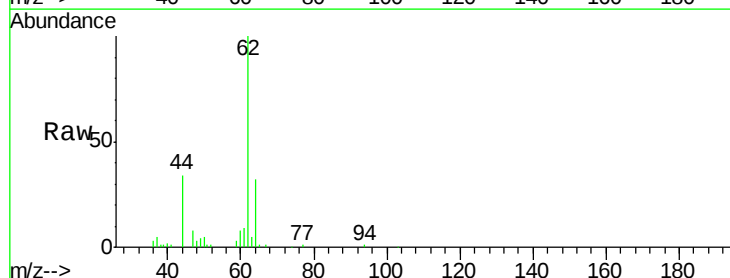
Acq: 10 Jun 2019 13:17

Tgt Ion: 62 Resp: 149792

Ion Ratio Lower Upper

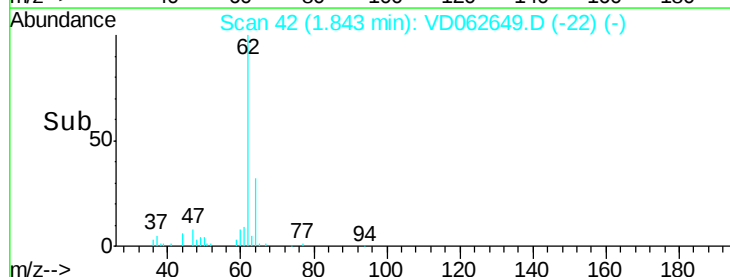
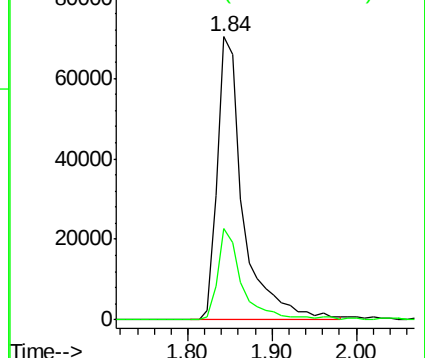
62 100

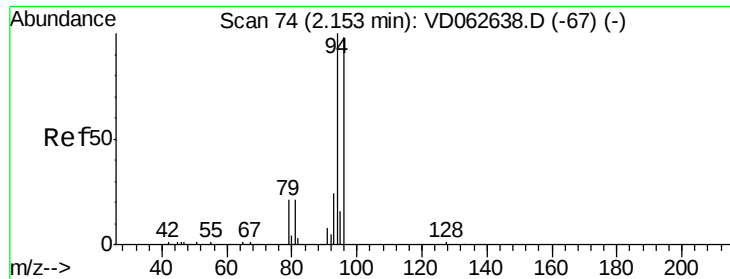
64 32.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.206 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

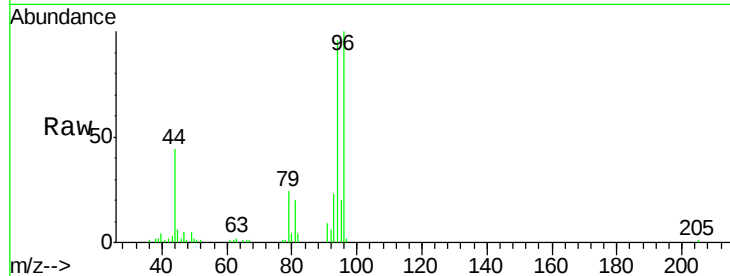
Tgt Ion: 94 Resp: 68861

Ion Ratio Lower Upper

94 100

96 104.5 78.1 117.1

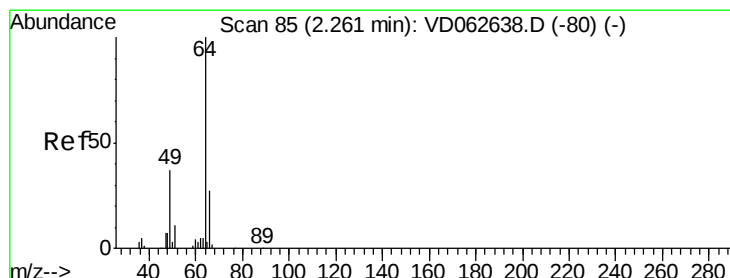
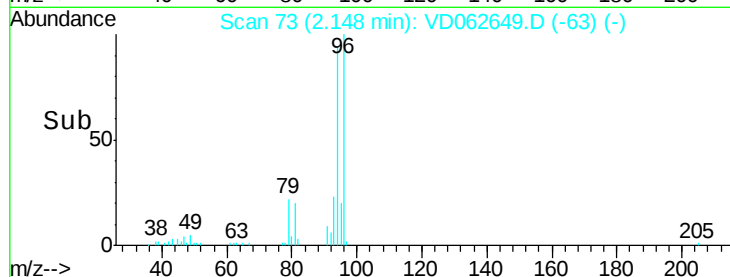
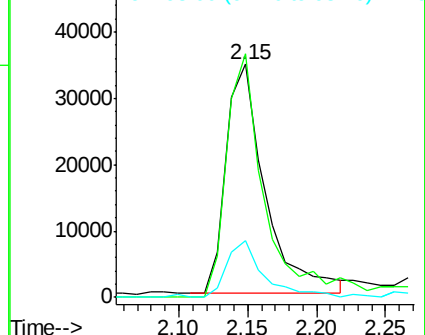
93 24.5 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.199 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062649.D

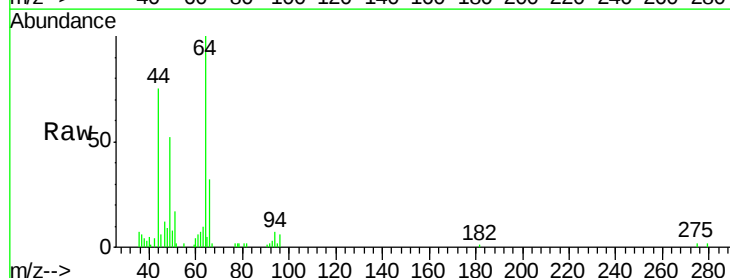
Acq: 10 Jun 2019 13:17

Tgt Ion: 64 Resp: 67331

Ion Ratio Lower Upper

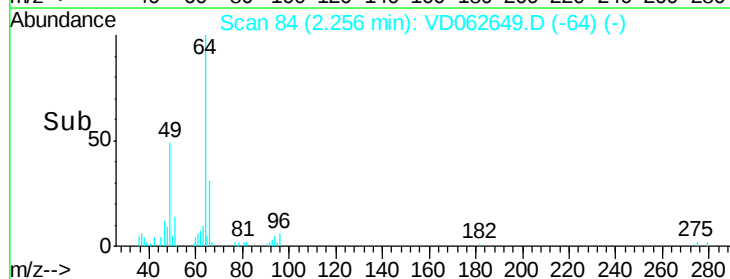
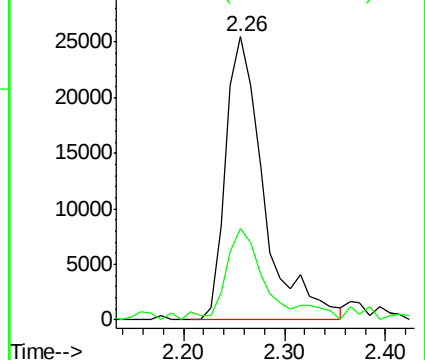
64 100

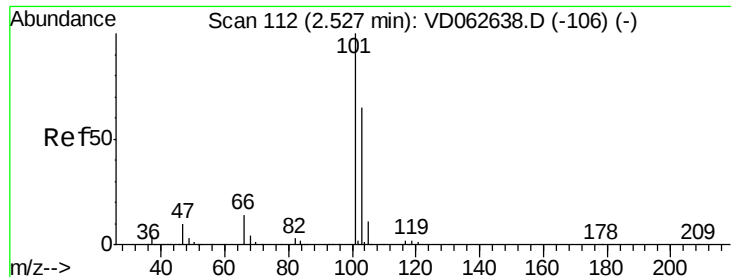
66 32.3 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



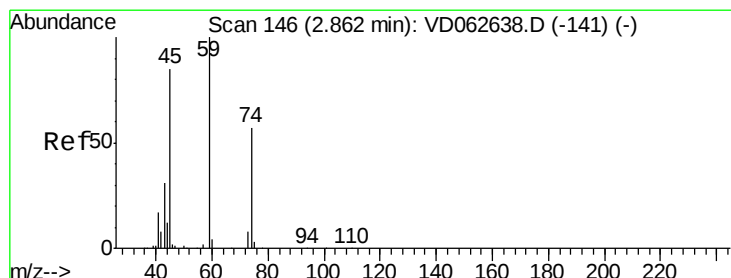
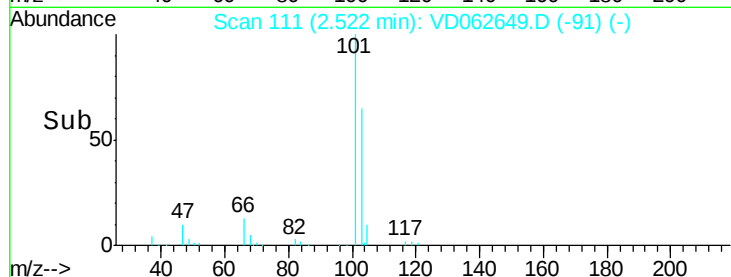
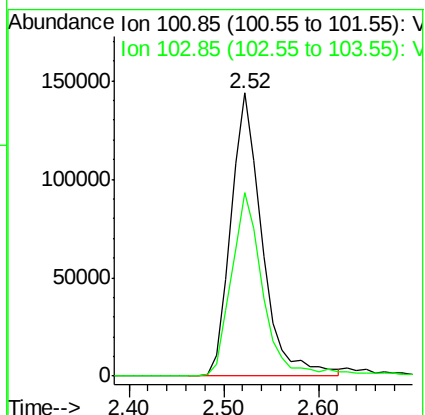
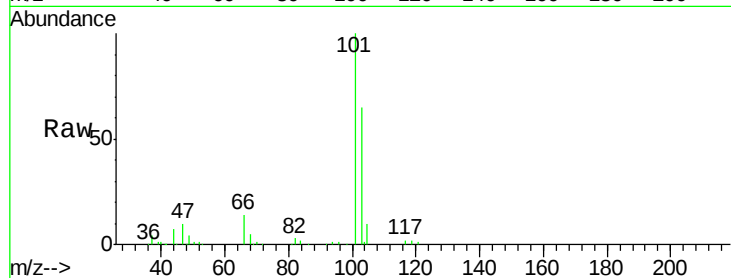


#7

Trichlorofluoromethane
 Concen: 20.642 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

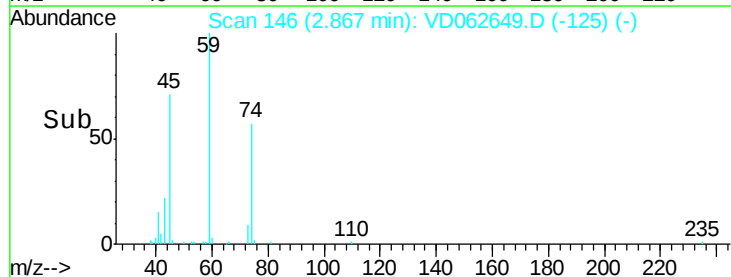
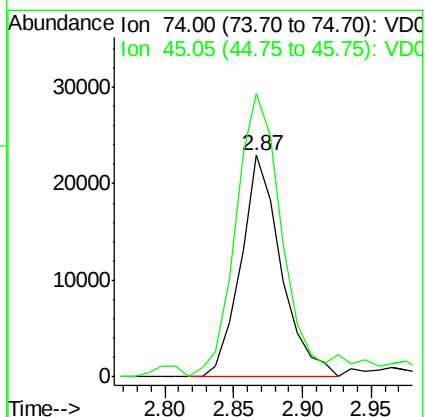
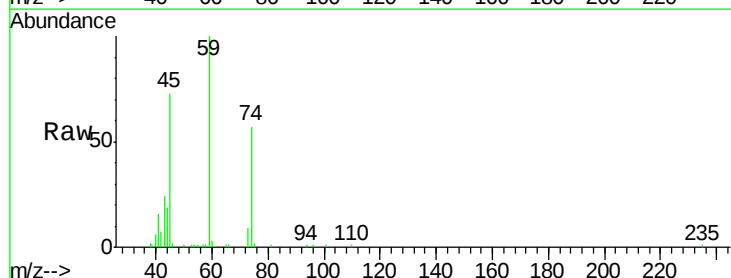
Tgt Ion:101 Resp: 328181
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.2 78.2

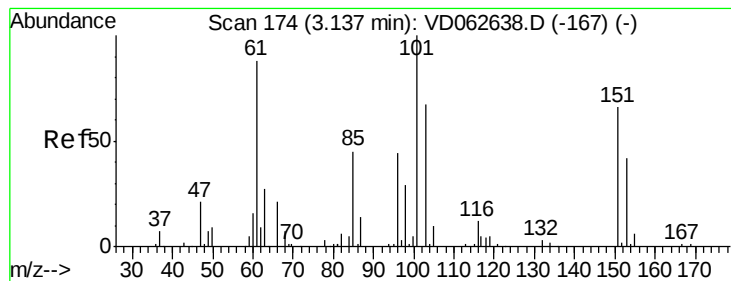


#8

Diethyl Ether
 Concen: 21.629 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 74 Resp: 46770
 Ion Ratio Lower Upper
 74 100
 45 127.6 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.720 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

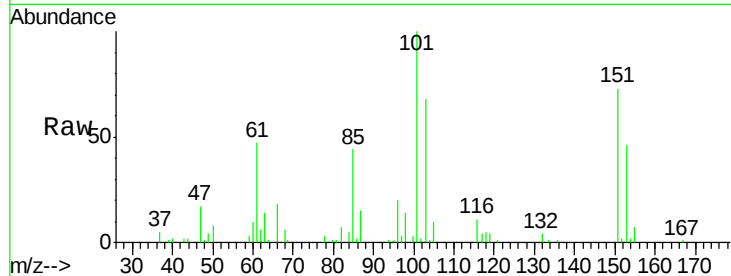
Tgt Ion:101 Resp: 186229

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

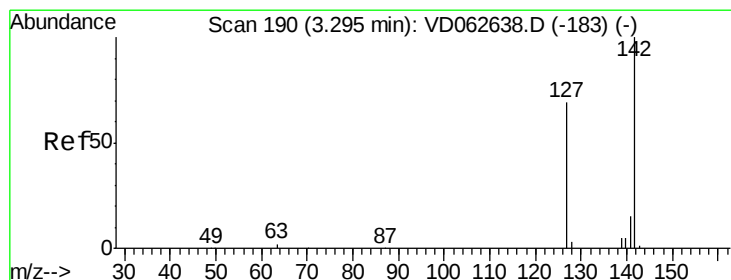
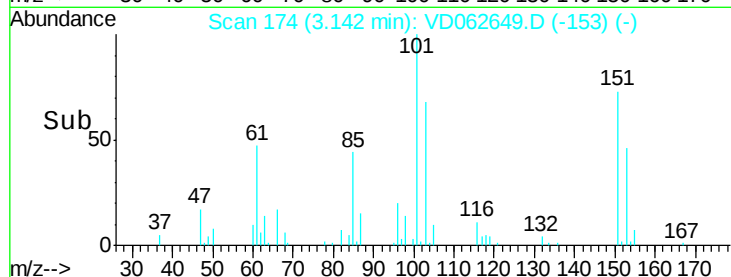
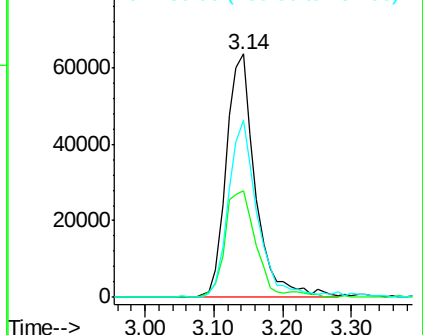
151 72.5 52.6 79.0



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: 20.499 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

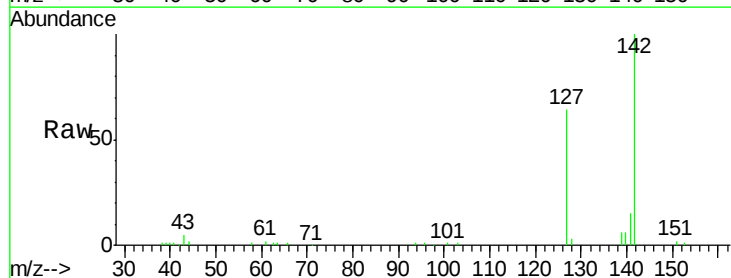
Tgt Ion:142 Resp: 223139

Ion Ratio Lower Upper

142 100

127 64.1 55.2 82.8

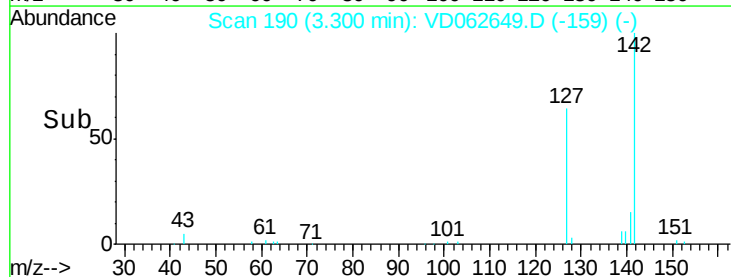
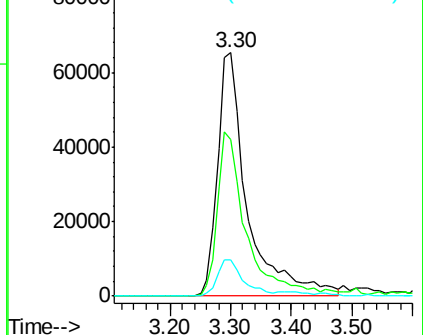
141 14.9 12.1 18.1

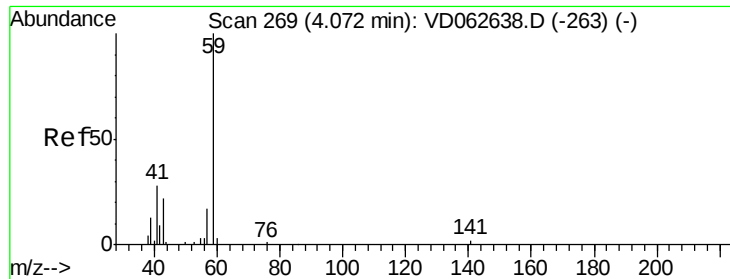


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

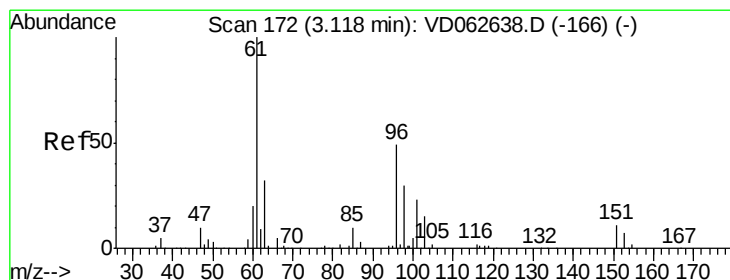
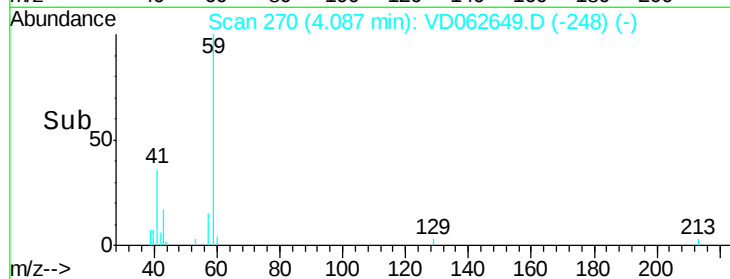
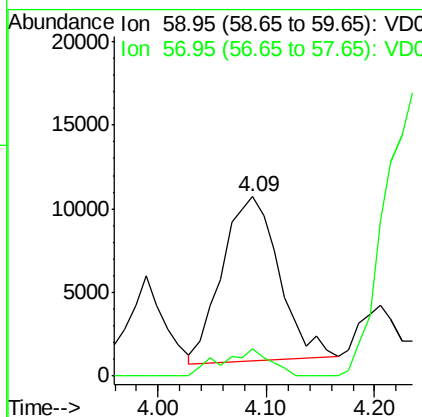
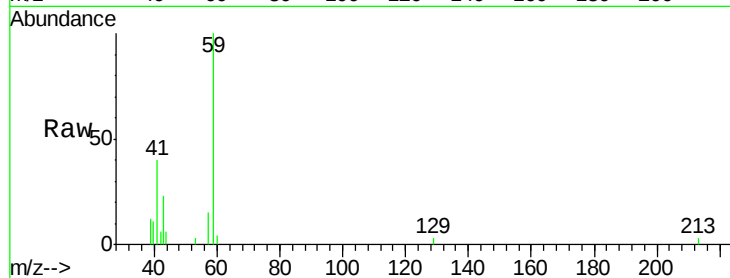




#11
Tert butyl alcohol
Concen: 86.782 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

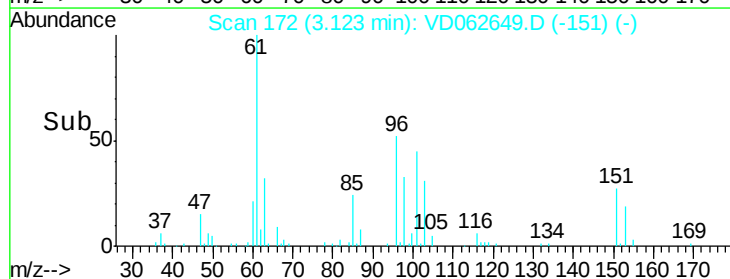
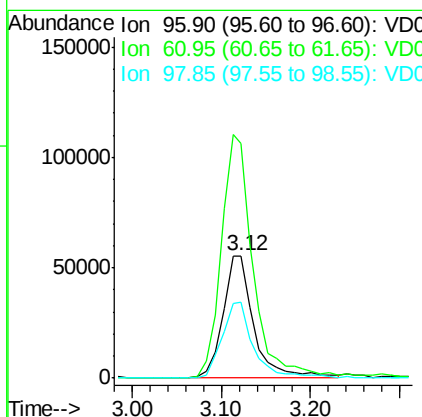
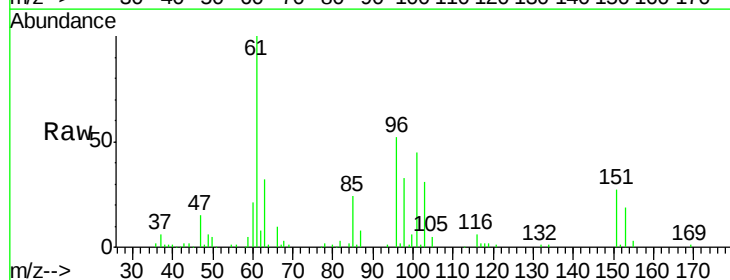
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

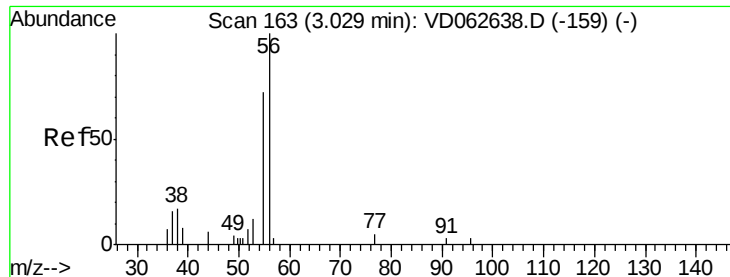
Tgt Ion: 59 Resp: 35835
Ion Ratio Lower Upper
59 100
57 15.3 13.7 20.5



#12
1,1-Dichloroethene
Concen: 22.017 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 96 Resp: 135479
Ion Ratio Lower Upper
96 100
61 191.4 161.8 242.8
98 62.5 48.2 72.4





#13

Acrolein

Concen: 144.872 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

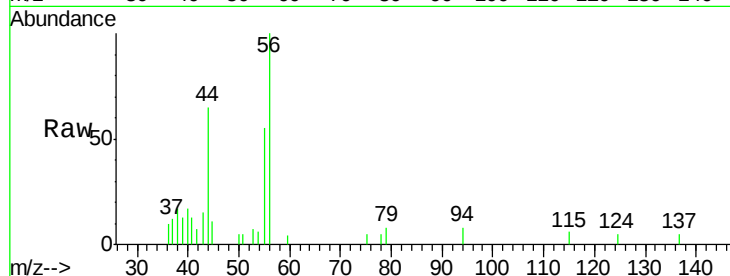
VD0610SBS01

Tgt Ion: 56 Resp: 19243

Ion Ratio Lower Upper

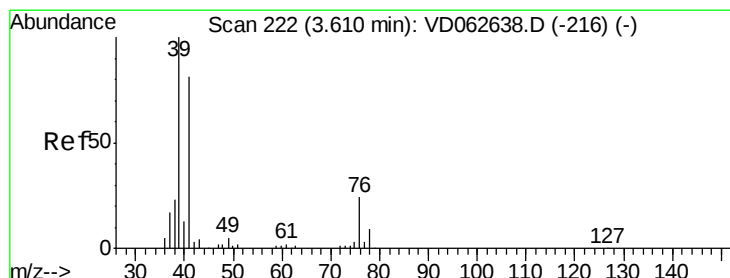
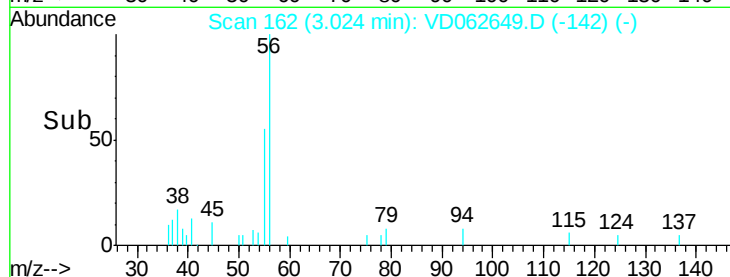
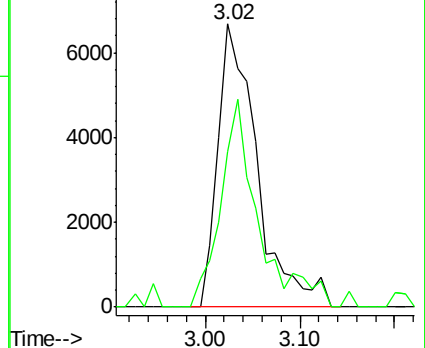
56 100

55 54.7 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.000 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

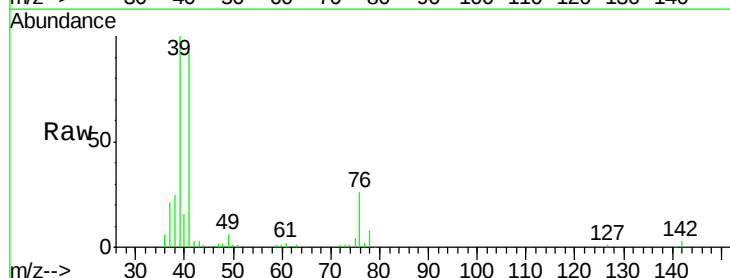
Tgt Ion: 41 Resp: 198682

Ion Ratio Lower Upper

41 100

39 107.2 99.1 148.7

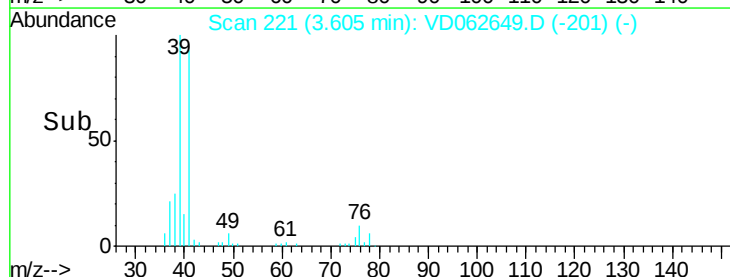
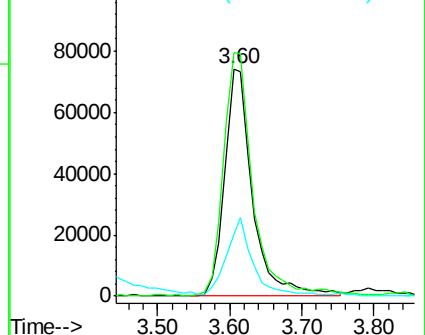
76 27.3 25.0 37.6

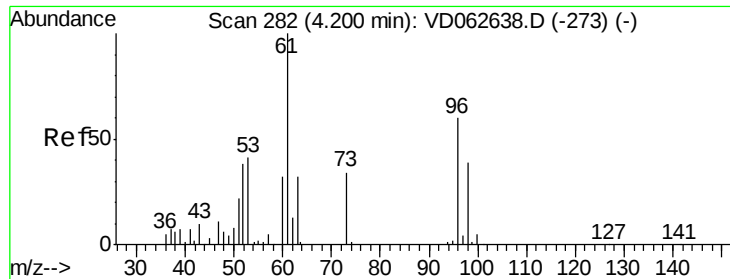


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.396 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

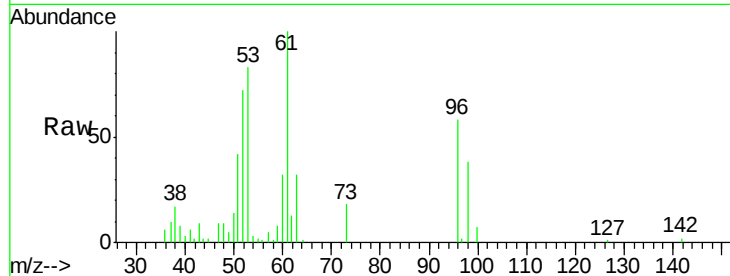
Tgt Ion: 53 Resp: 110158

Ion Ratio Lower Upper

53 100

52 86.7 73.6 110.4

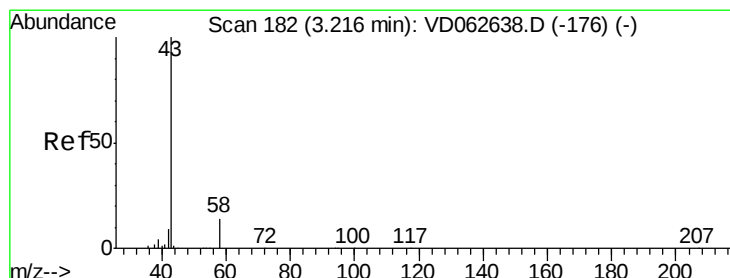
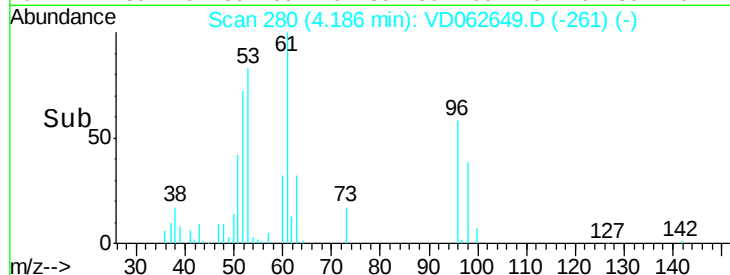
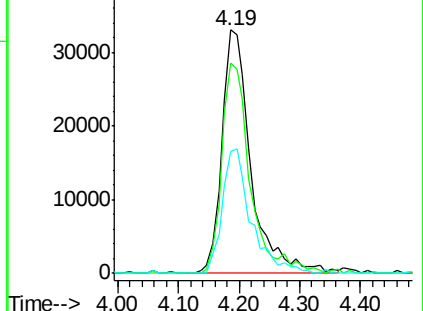
51 50.3 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.493 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062649.D

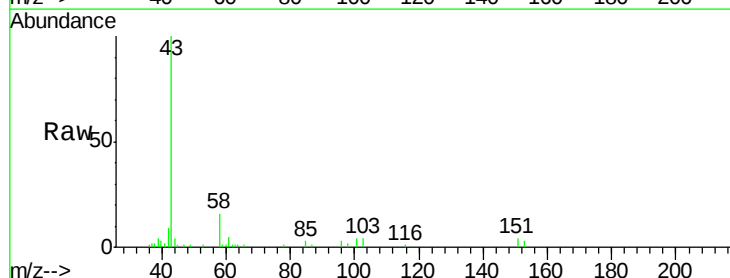
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 188539

Ion Ratio Lower Upper

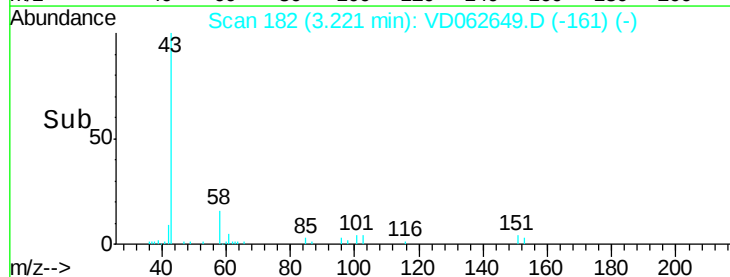
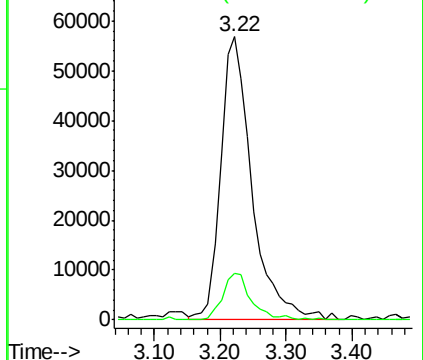
43 100

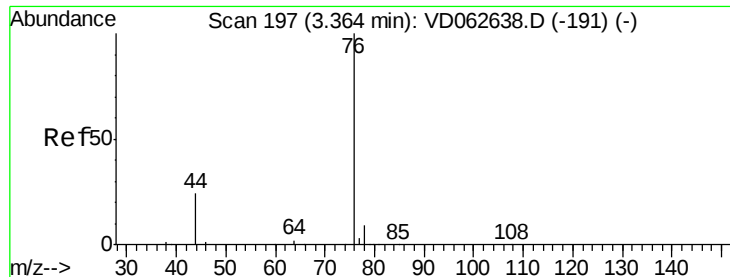
58 16.4 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

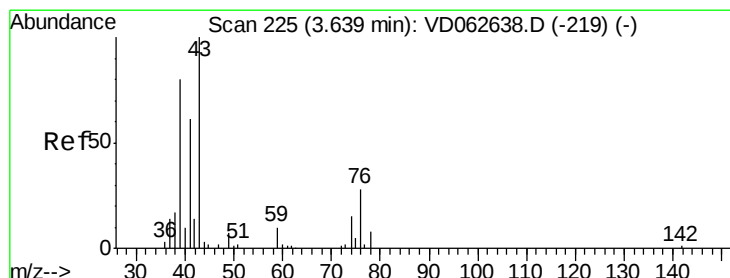
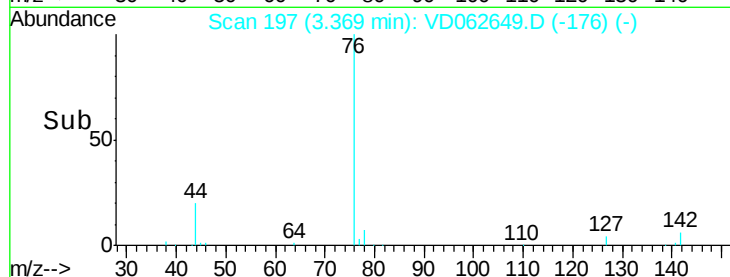
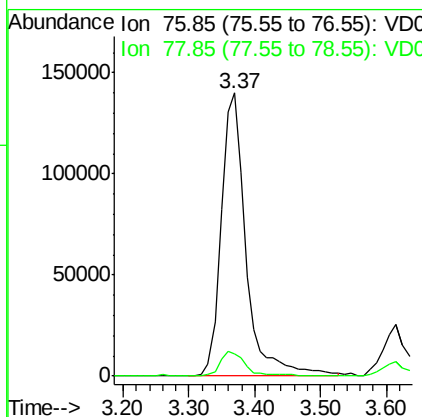
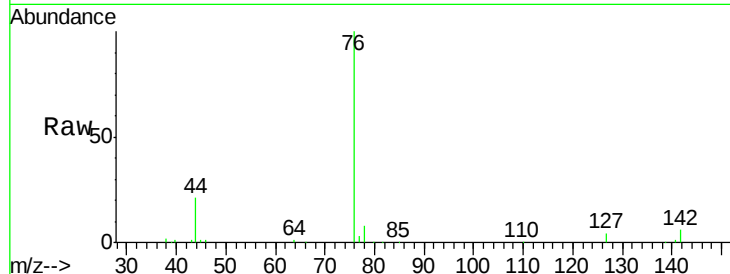




#17
Carbon Disulfide
Concen: 20.396 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

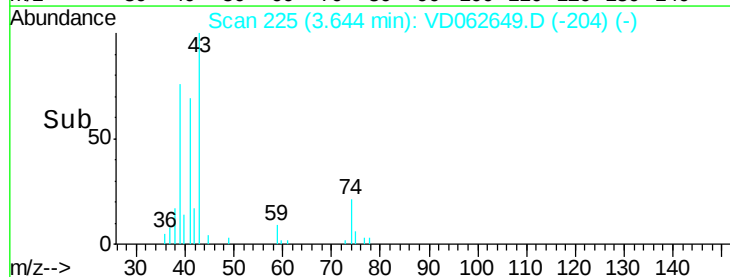
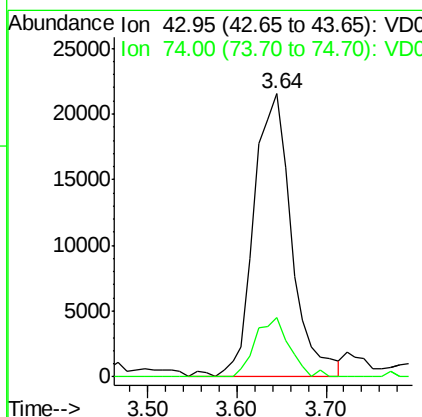
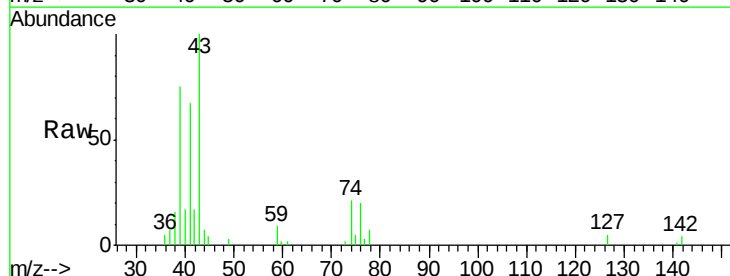
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

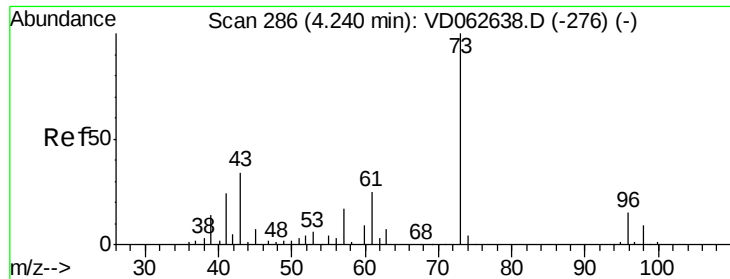
Tgt Ion: 76 Resp: 369839
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4



#18
Methyl Acetate
Concen: 20.856 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 63049
Ion Ratio Lower Upper
43 100
74 20.9 12.1 18.1#

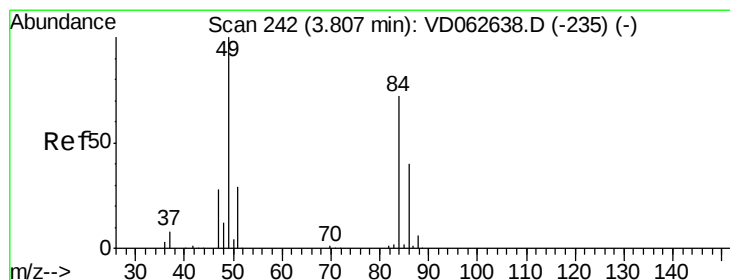
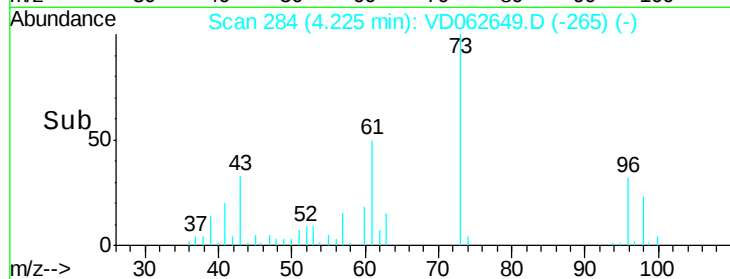
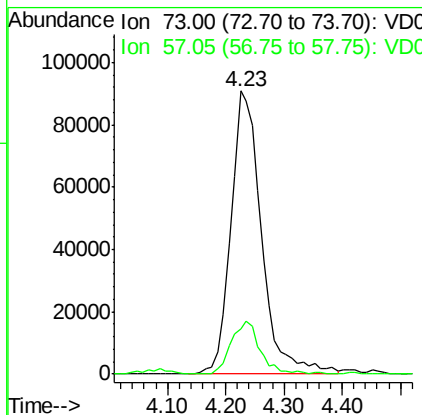
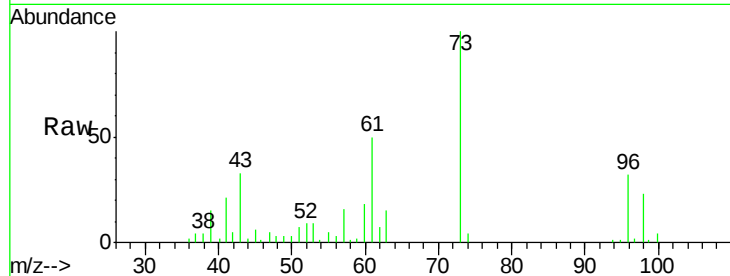




#19
Methyl tert-butyl Ether
Concen: 22.050 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

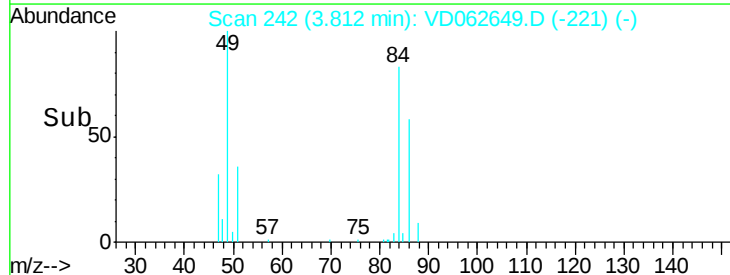
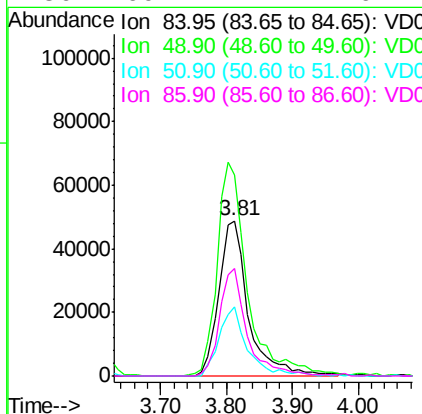
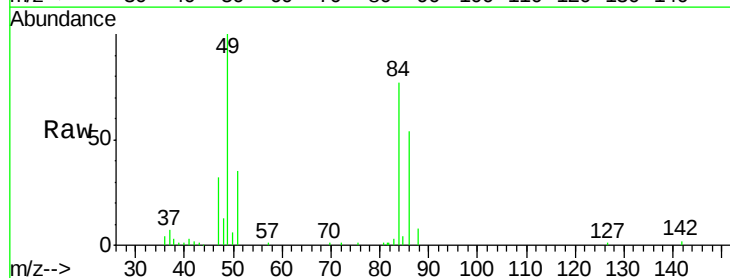
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

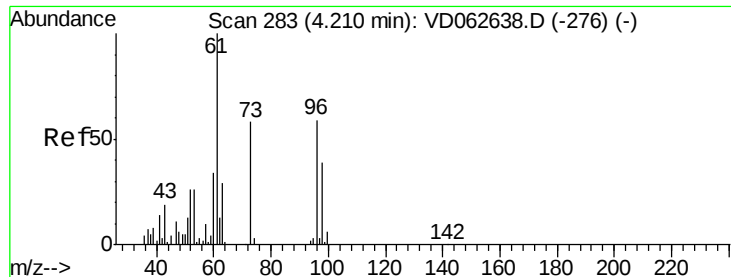
Tgt Ion: 73 Resp: 330913
Ion Ratio Lower Upper
73 100
57 15.8 13.5 20.3



#20
Methylene Chloride
Concen: 21.768 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 84 Resp: 153026
Ion Ratio Lower Upper
84 100
49 129.6 111.2 166.8
51 44.9 31.9 47.9
86 69.4 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 20.953 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

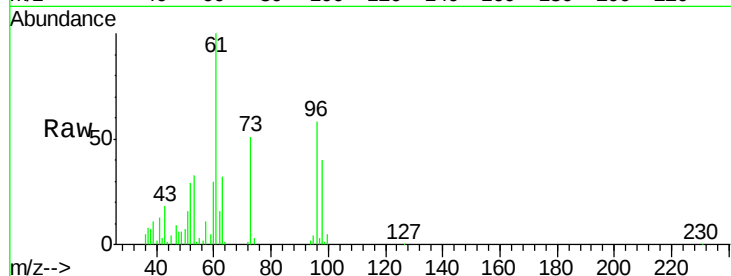
Tgt Ion: 96 Resp: 141421

Ion Ratio Lower Upper

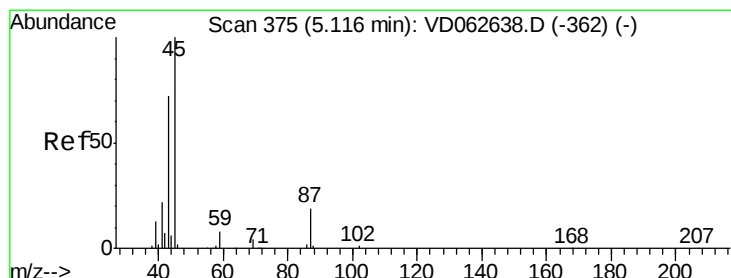
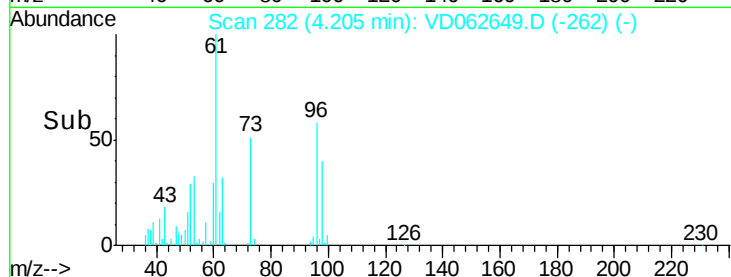
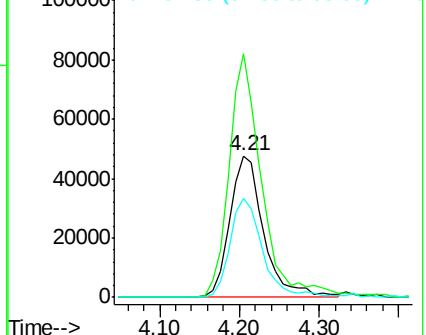
96 100

61 172.4 134.6 201.8

98 69.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 21.680 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Tgt Ion: 45 Resp: 425914

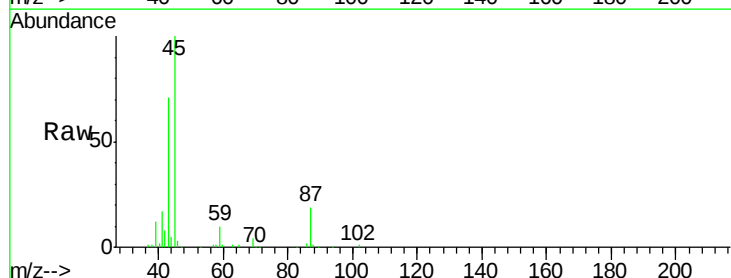
Ion Ratio Lower Upper

45 100

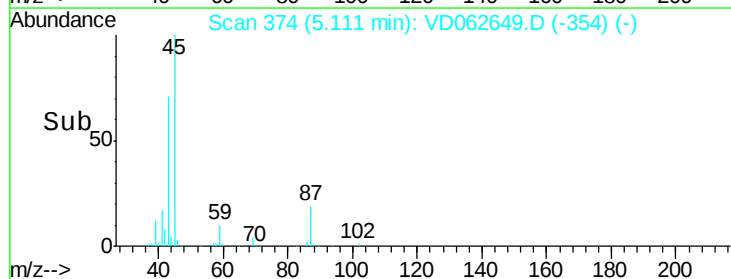
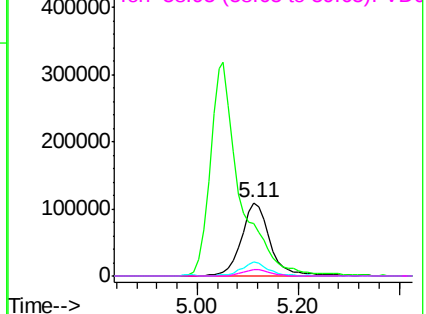
43 71.4 58.8 88.2

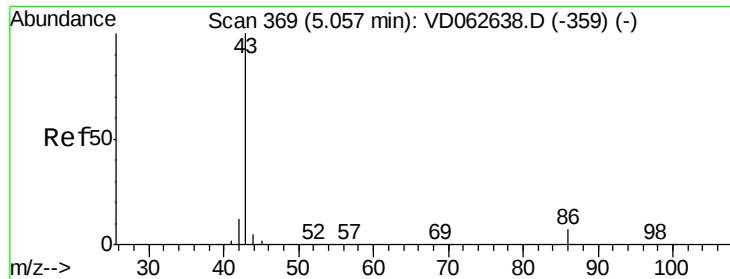
87 19.0 15.7 23.5

59 9.5 6.6 9.8



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: 105.310 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

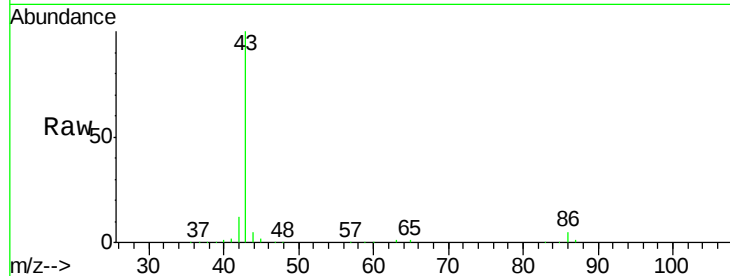
VD0610SBSD01

Tgt Ion: 43 Resp: 1283464

Ion Ratio Lower Upper

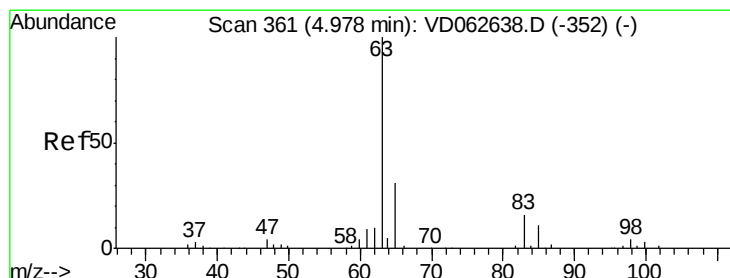
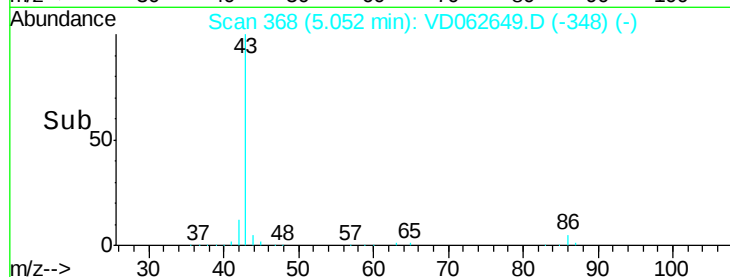
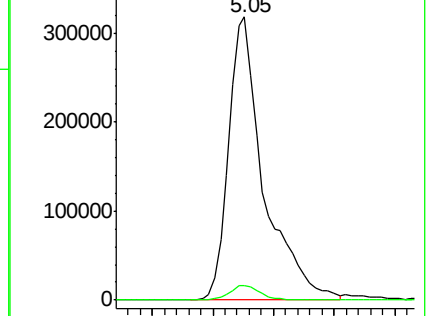
43 100

86 5.4 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.874 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

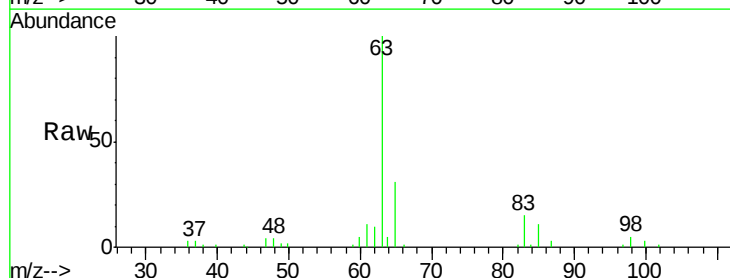
Tgt Ion: 63 Resp: 263804

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.4

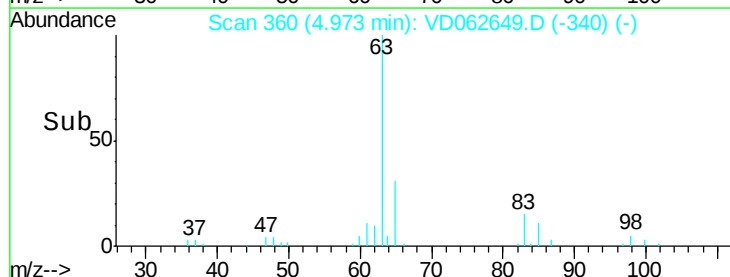
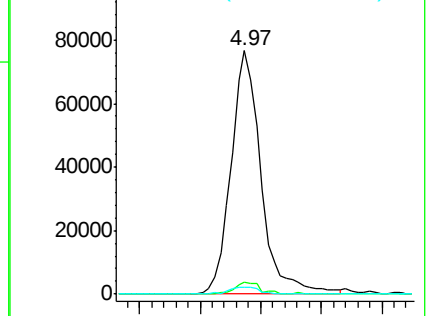
100 2.8 1.5 4.4



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

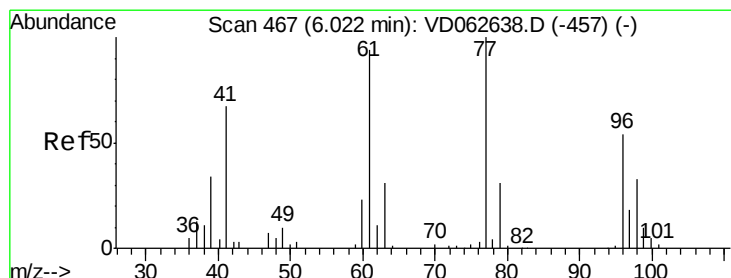
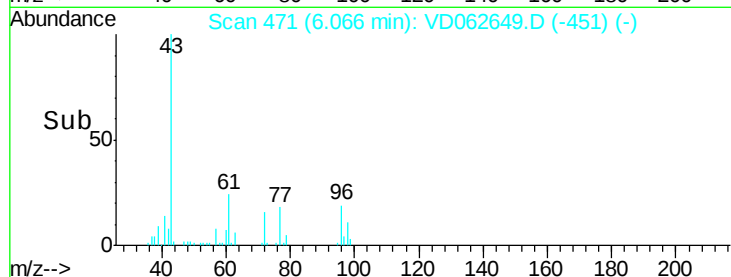
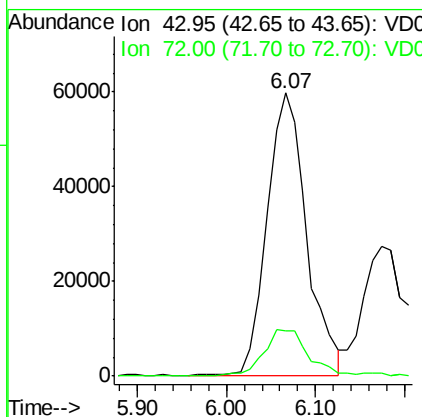
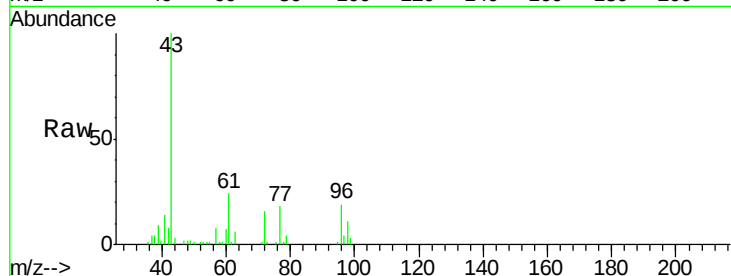




#25
2-Butanone
Concen: 102.993 ug/l
RT: 6.07 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

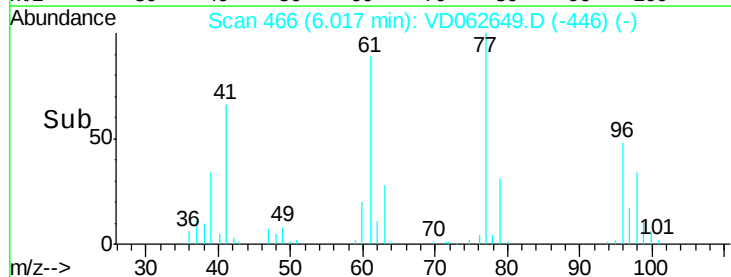
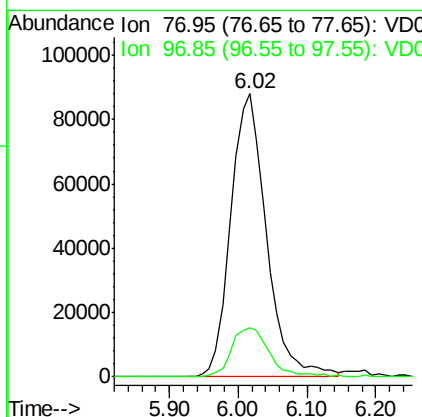
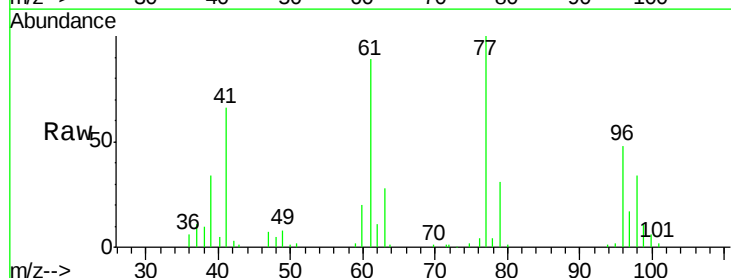
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

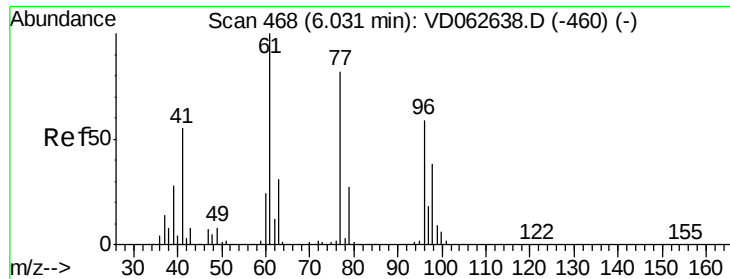
Tgt Ion: 43 Resp: 184834
Ion Ratio Lower Upper
43 100
72 16.0 13.5 20.3



#26
2,2-Dichloropropane
Concen: 21.722 ug/l
RT: 6.02 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 77 Resp: 316399
Ion Ratio Lower Upper
77 100
97 17.3 8.8 26.5



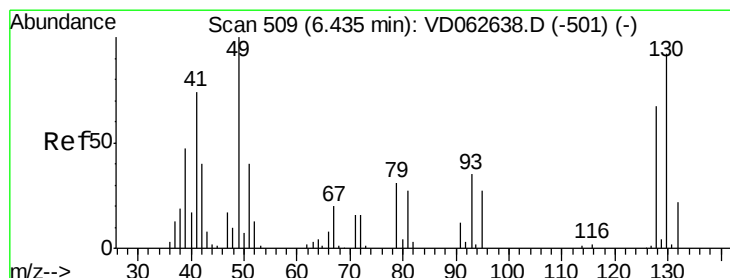
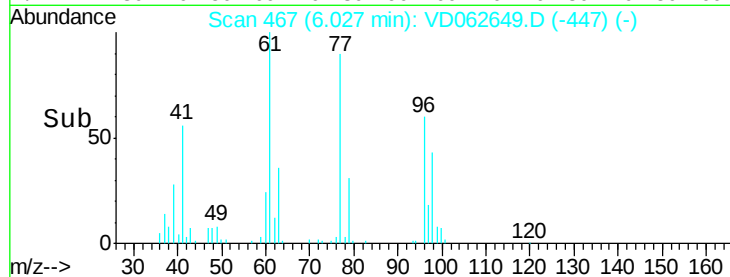
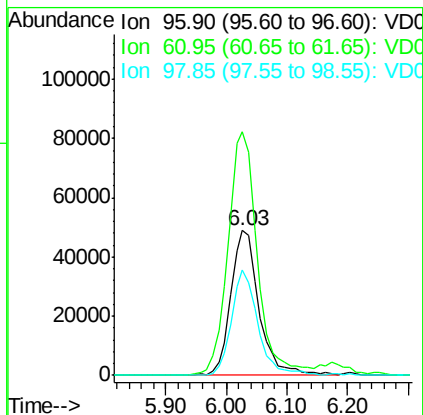
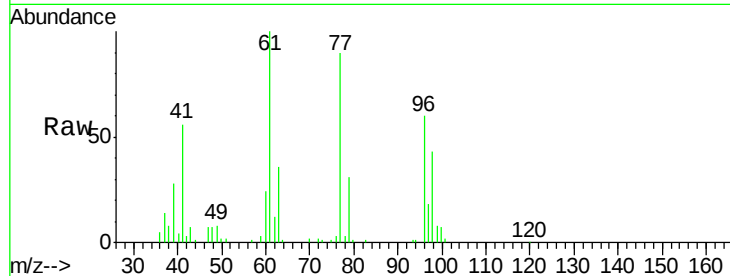


#27

cis-1,2-Dichloroethene
Concen: 21.567 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

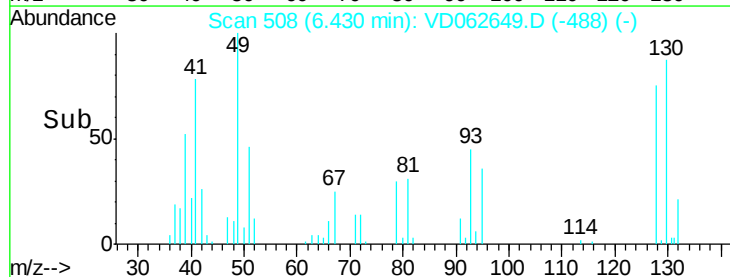
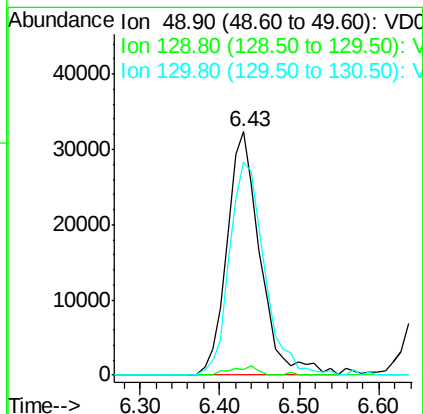
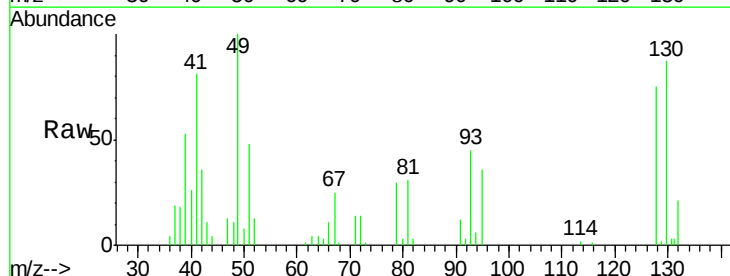
Tgt Ion: 96 Resp: 157806
Ion Ratio Lower Upper
96 100
61 168.0 0.0 340.0
98 72.7 0.0 127.6



#28

Bromochloromethane
Concen: 19.406 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 49 Resp: 93750
Ion Ratio Lower Upper
49 100
129 2.1 0.0 8.2
130 87.3 73.4 110.0





#29

Tetrahydrofuran

Concen: 106.037 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

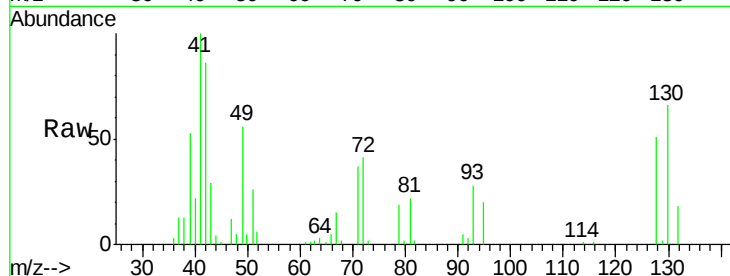
Tgt Ion: 42 Resp: 85696

Ion Ratio Lower Upper

42 100

72 44.8 33.8 50.6

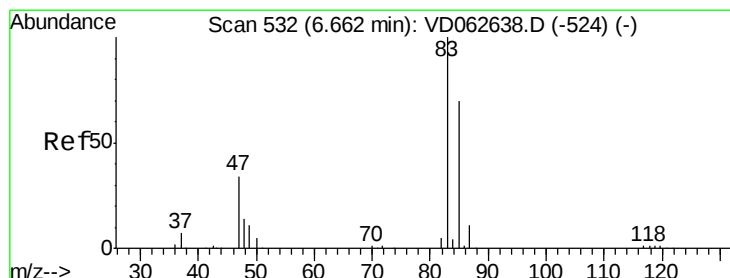
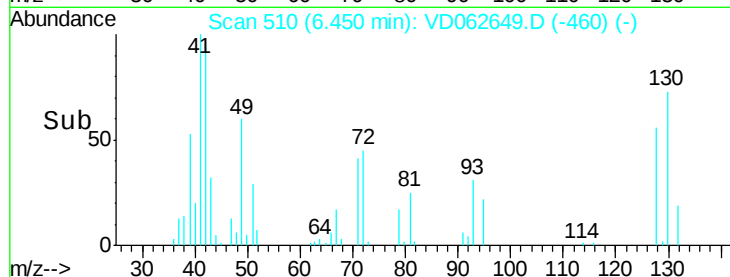
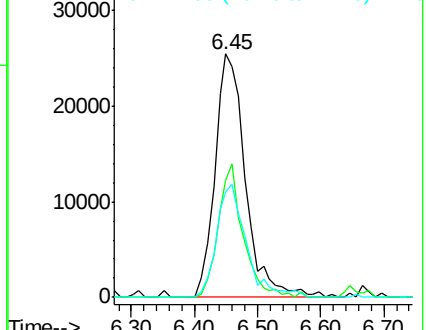
71 45.3 34.2 51.4



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: 21.917 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD062649.D

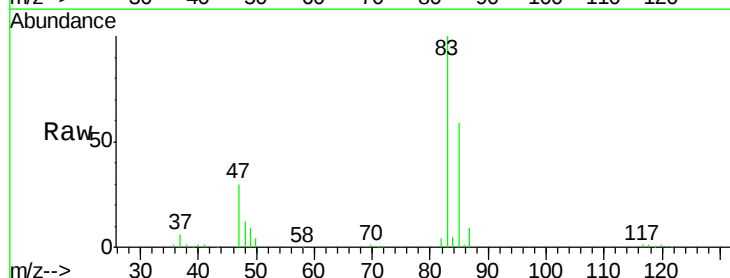
Acq: 10 Jun 2019 13:17

Tgt Ion: 83 Resp: 355376

Ion Ratio Lower Upper

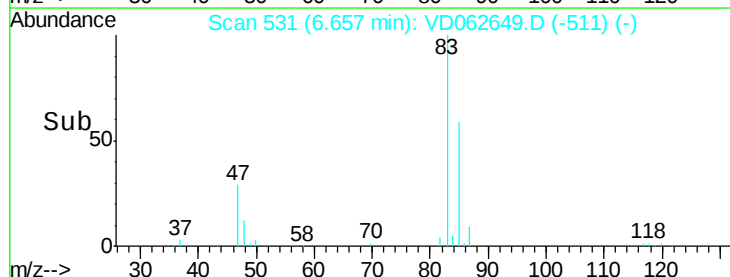
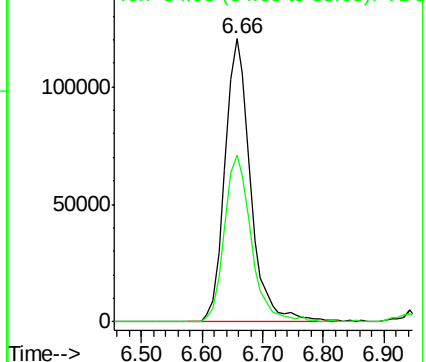
83 100

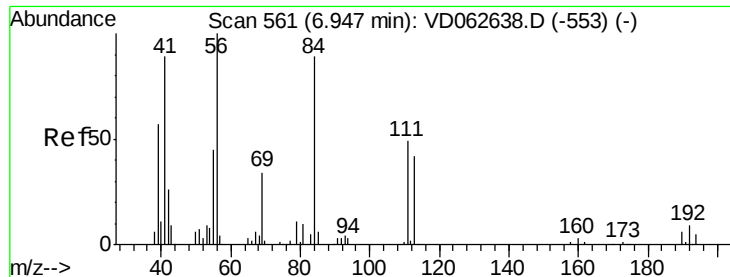
85 58.8 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

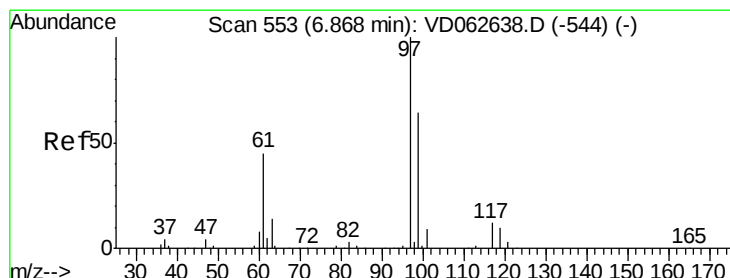
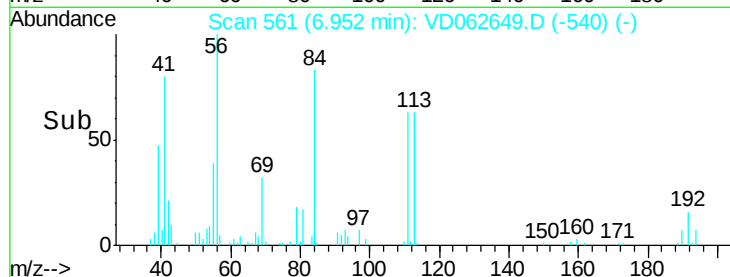
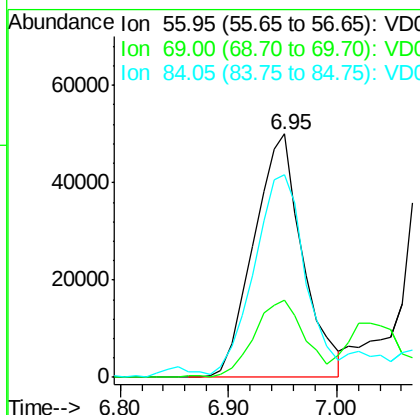
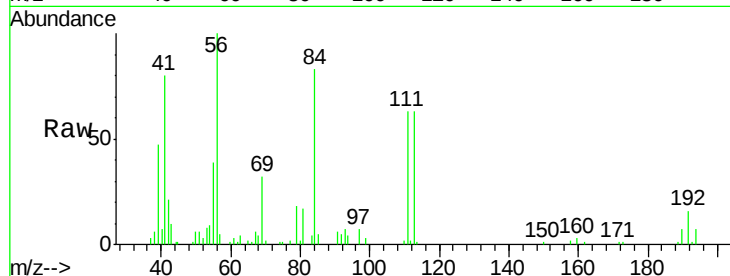




#31
Cyclohexane
Concen: 19.934 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

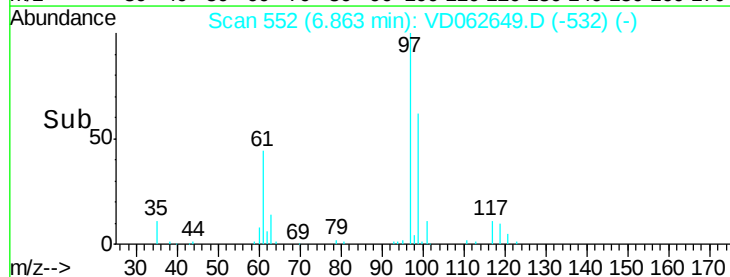
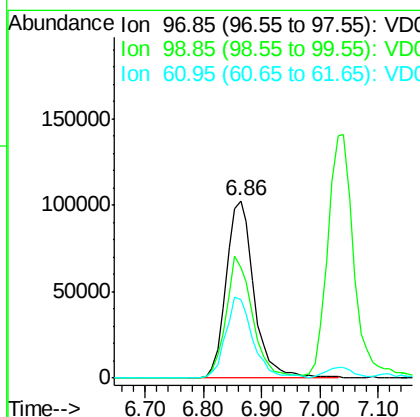
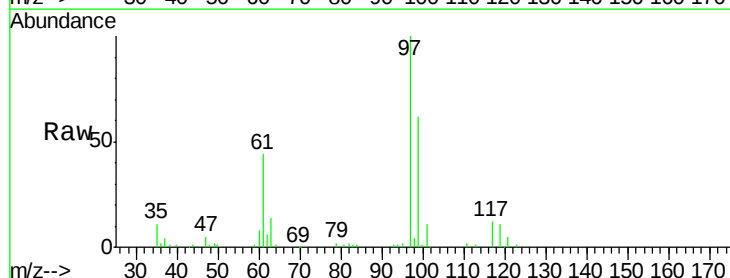
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

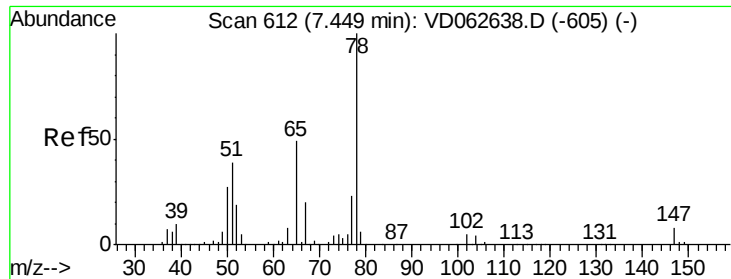
Tgt Ion: 56 Resp: 158031
Ion Ratio Lower Upper
56 100
69 31.7 26.8 40.2
84 83.4 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 21.055 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 97 Resp: 339718
Ion Ratio Lower Upper
97 100
99 62.0 51.4 77.0
61 44.1 35.6 53.4

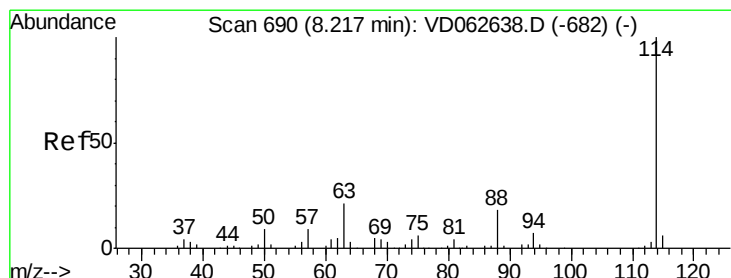
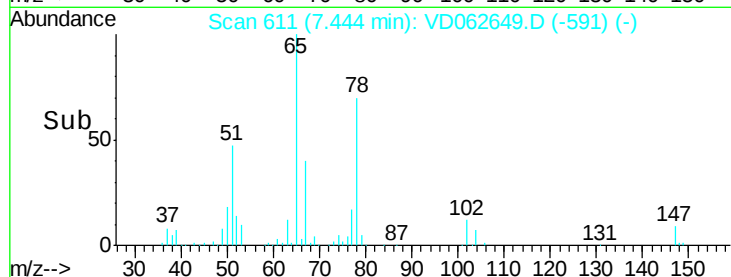
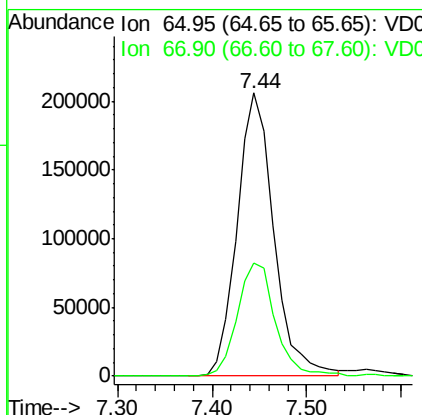
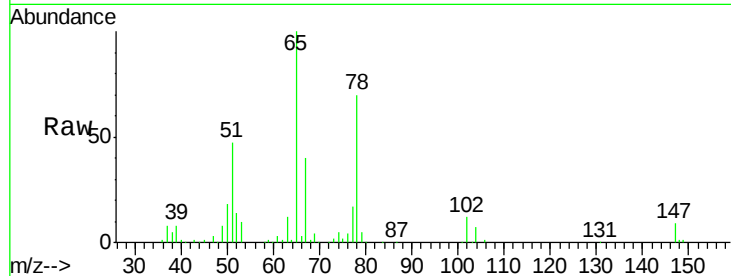




#33
 1,2-Dichloroethane-d4
 Concen: 55.131 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

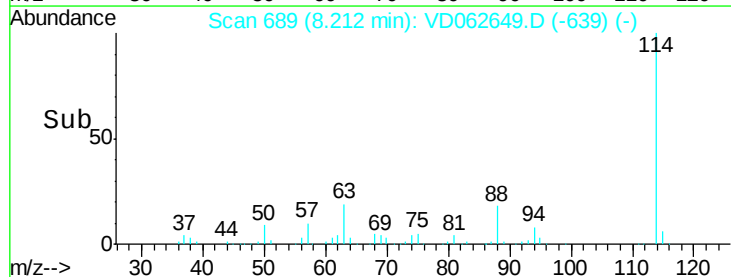
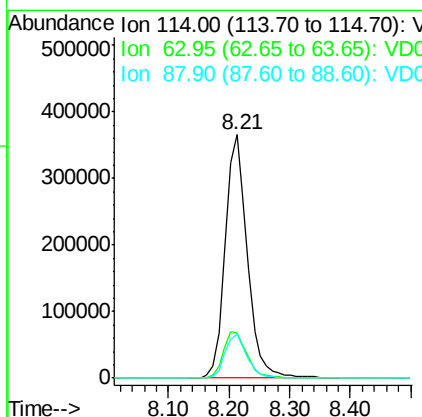
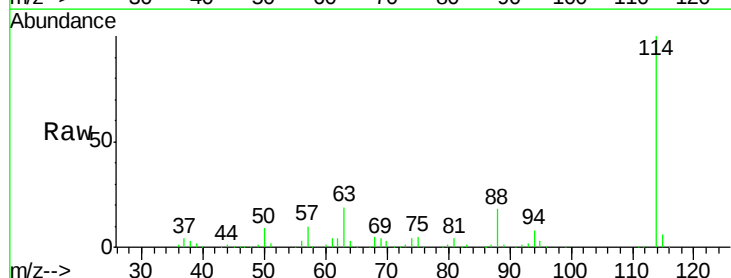
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

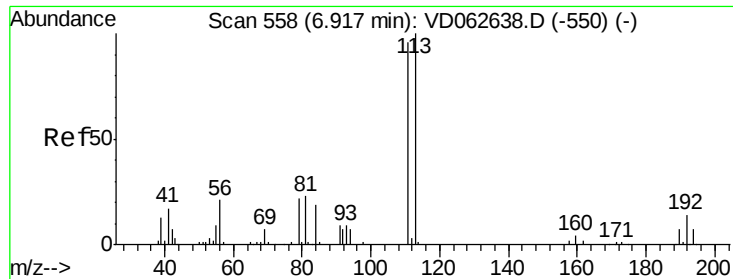
Tgt Ion: 65 Resp: 553827
 Ion Ratio Lower Upper
 65 100
 67 40.1 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 114 Resp: 925120
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 18.1 0.0 36.8

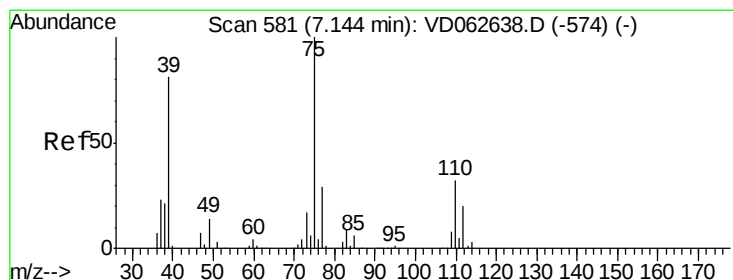
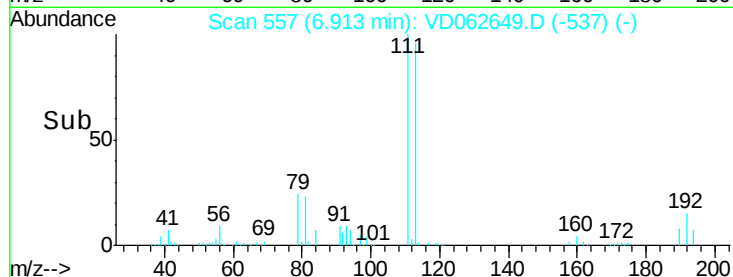
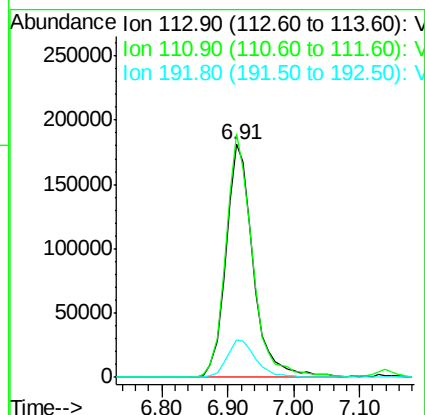
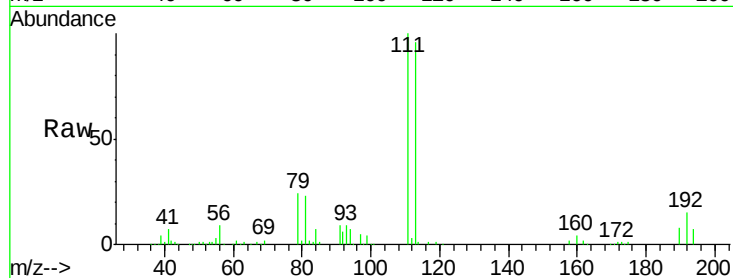




#35
 Dibromofluoromethane
 Concen: 53.761 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

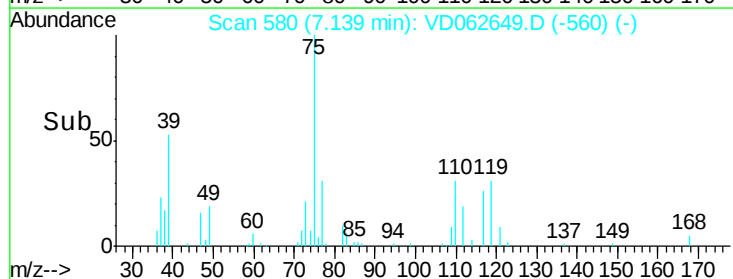
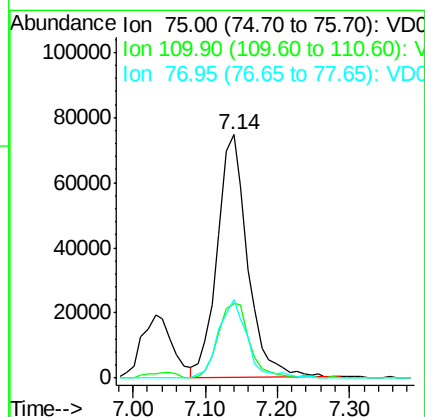
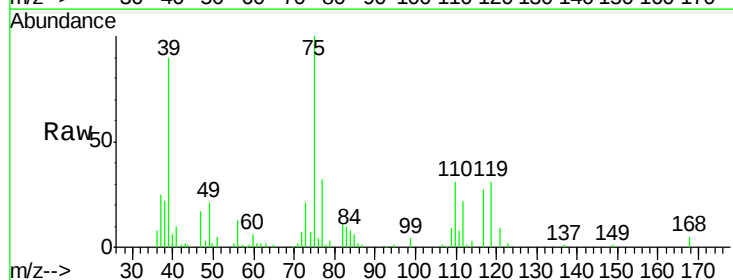
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

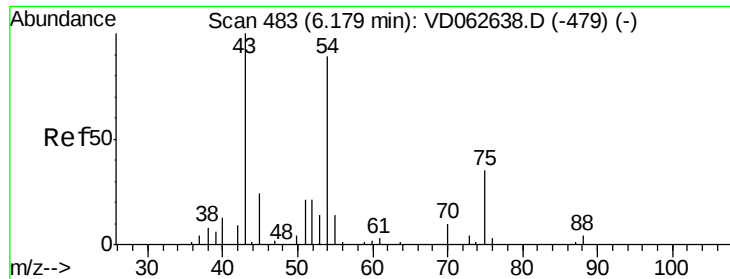
Tgt Ion:113 Resp: 524522
 Ion Ratio Lower Upper
 113 100
 111 104.6 76.4 114.6
 192 16.1 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 20.242 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 214319
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.9 47.7
 77 32.2 23.3 34.9

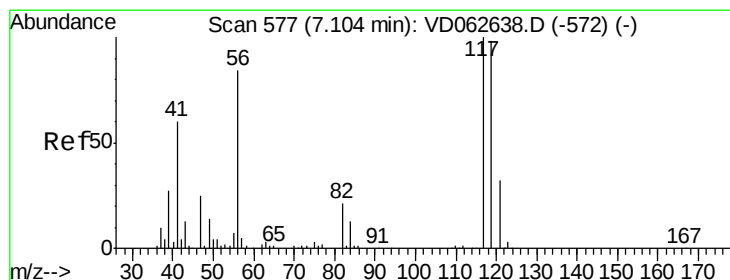
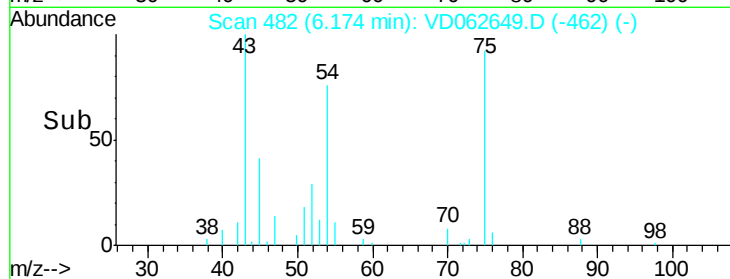
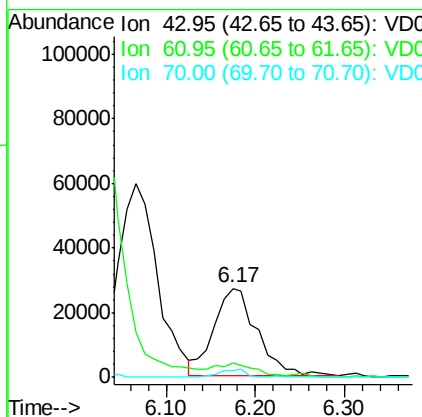
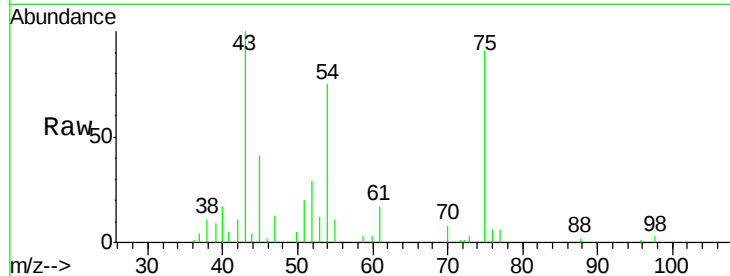




#37
Ethyl Acetate
Concen: 20.664 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

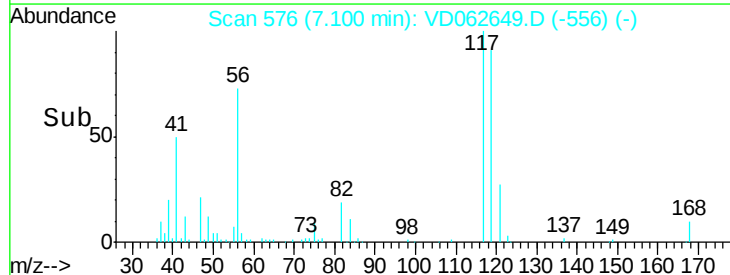
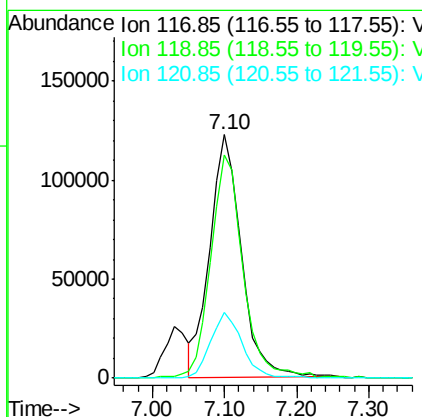
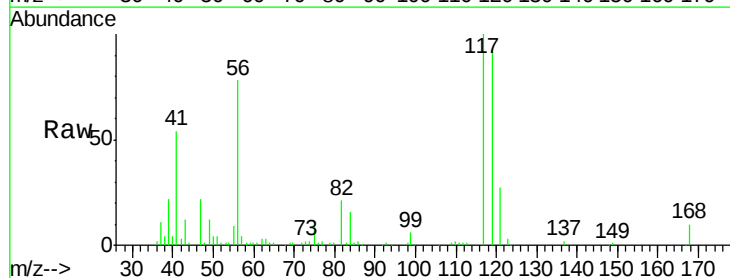
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

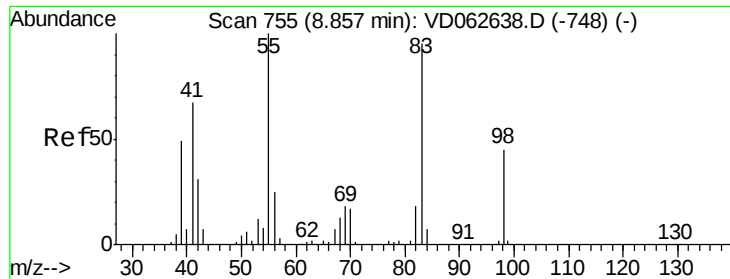
Tgt Ion: 43 Resp: 90028
Ion Ratio Lower Upper
43 100
61 17.0 8.7 13.1#
70 8.0 6.5 9.7



#38
Carbon Tetrachloride
Concen: 22.282 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 117 Resp: 372892
Ion Ratio Lower Upper
117 100
119 91.6 73.5 110.3
121 27.1 24.2 36.4

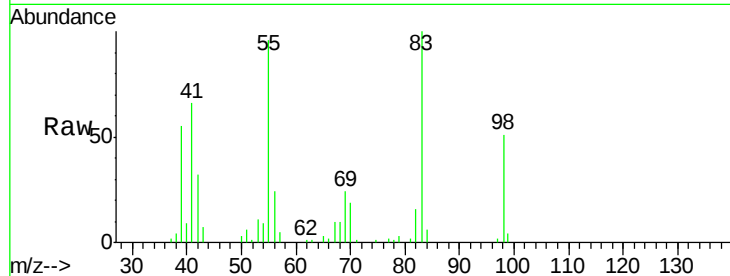




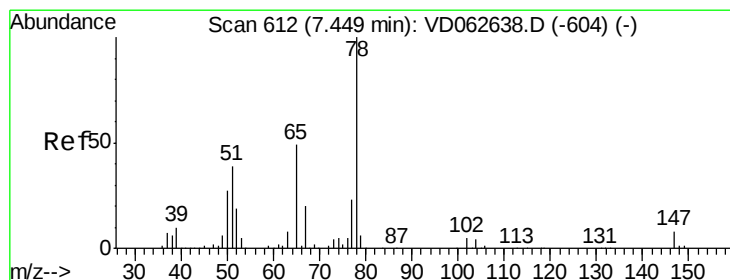
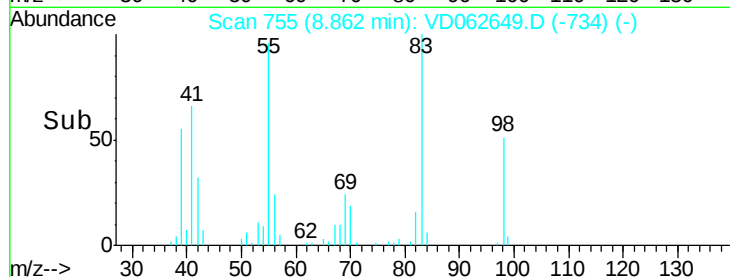
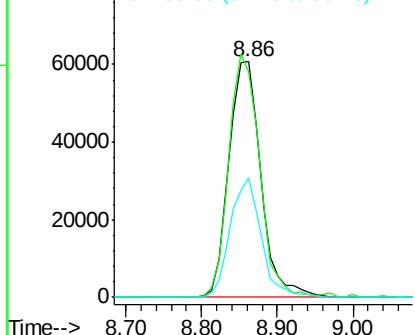
#39
Methylcyclohexane
Concen: 20.849 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Tgt Ion: 83 Resp: 178384
Ion Ratio Lower Upper
83 100
55 96.0 84.6 127.0
98 50.9 38.2 57.4

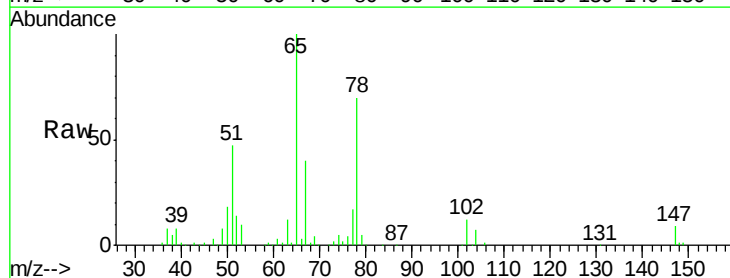


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

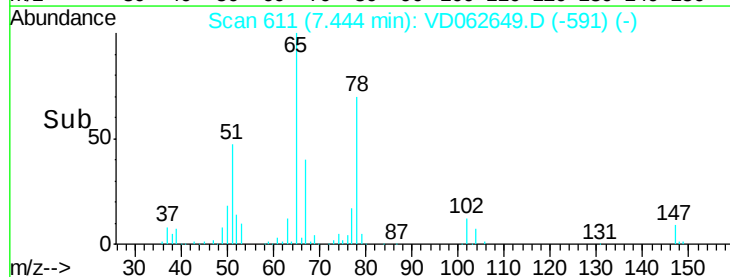
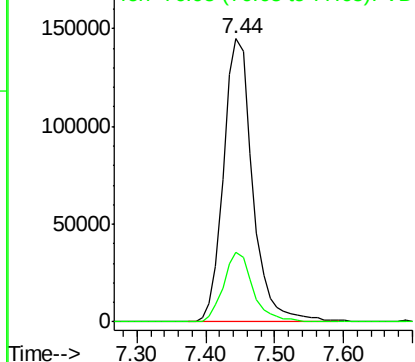


#40
Benzene
Concen: 20.564 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 78 Resp: 425198
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0



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





#41

Methacrylonitrile

Concen: 20.948 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

Tgt Ion: 41 Resp: 116106

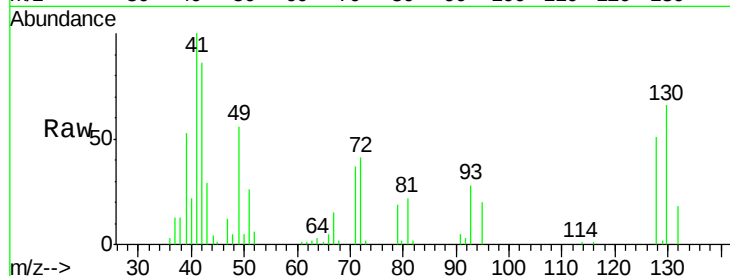
Ion Ratio Lower Upper

41 100

39 53.2 49.2 73.8

67 15.1 13.9 20.9

52 6.2 7.6 11.4#

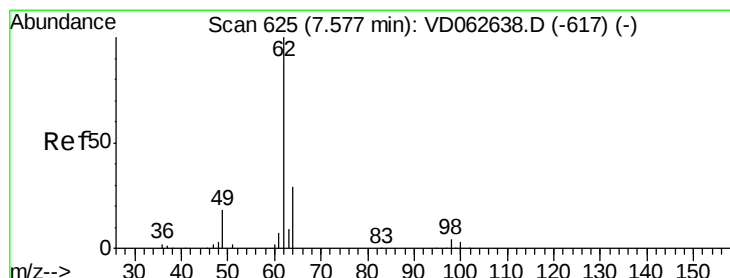
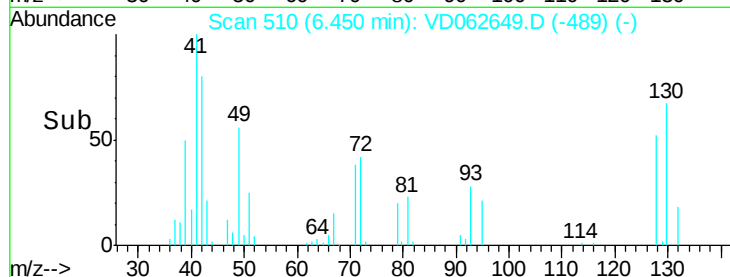
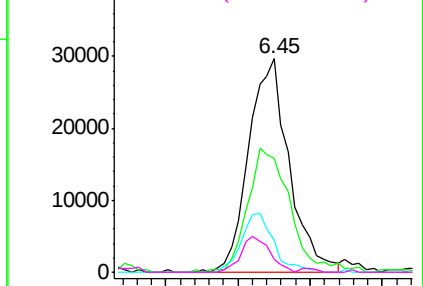


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.264 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD062649.D

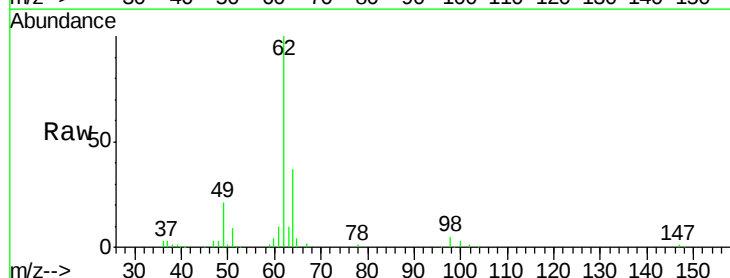
Acq: 10 Jun 2019 13:17

Tgt Ion: 62 Resp: 262072

Ion Ratio Lower Upper

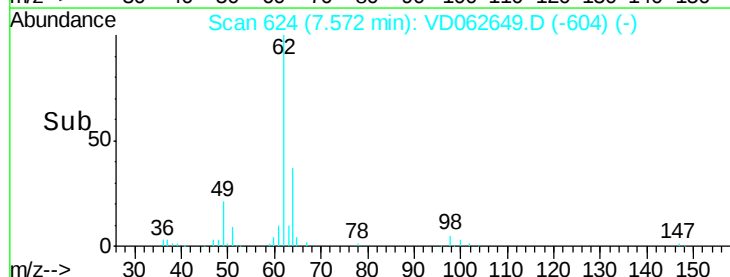
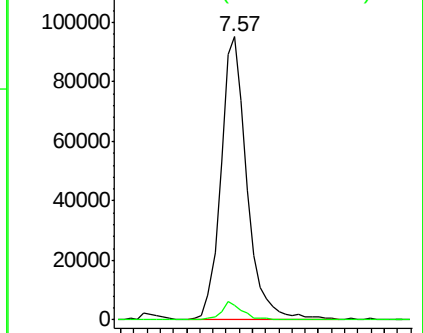
62 100

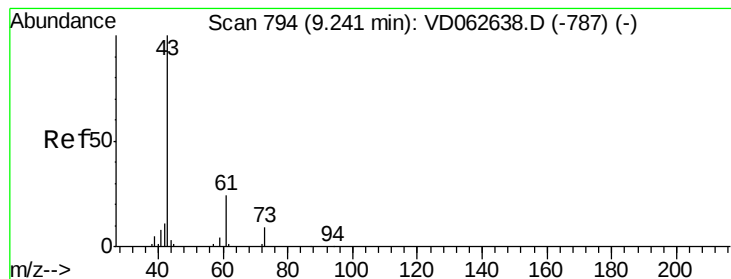
98 5.3 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.618 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

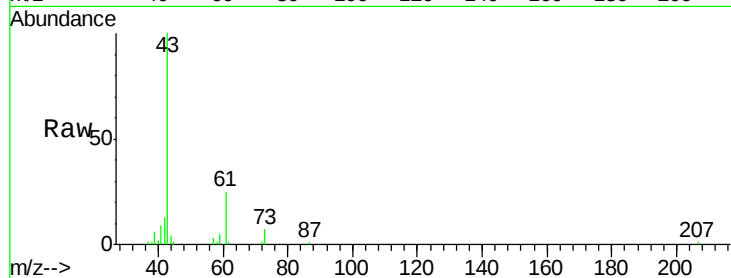
Tgt Ion: 43 Resp: 120774

Ion Ratio Lower Upper

43 100

61 25.5 19.0 28.6

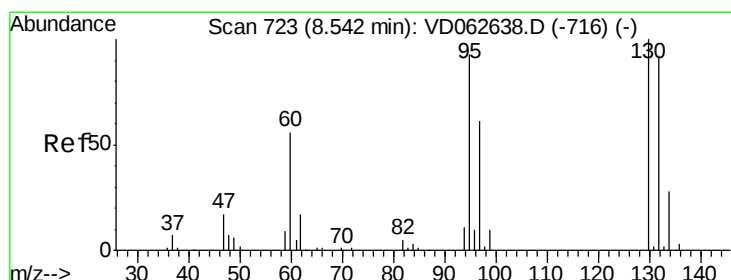
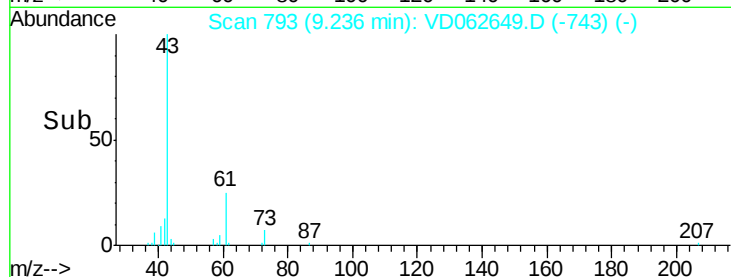
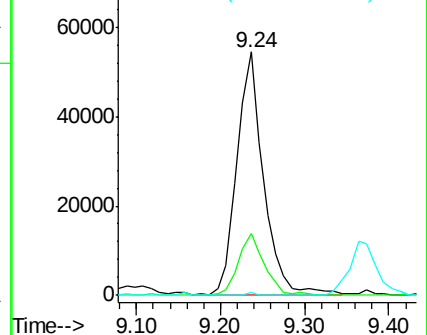
87 1.0 0.3 0.5#



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: 20.819 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062649.D

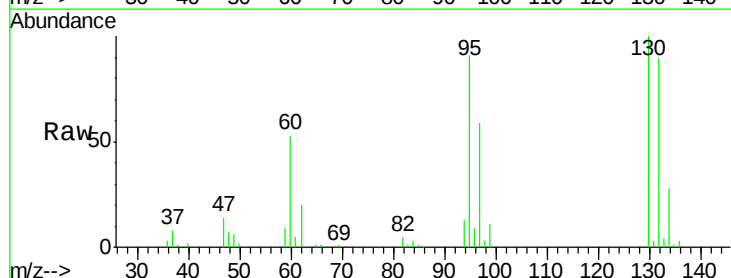
Acq: 10 Jun 2019 13:17

Tgt Ion:130 Resp: 174766

Ion Ratio Lower Upper

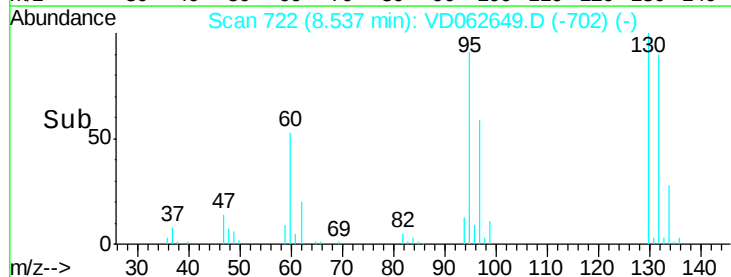
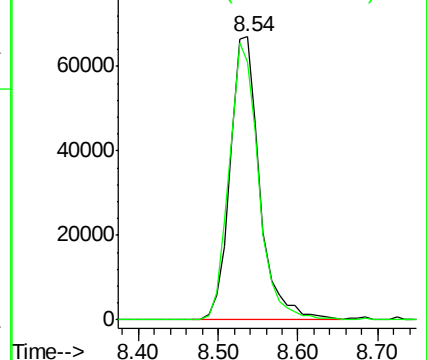
130 100

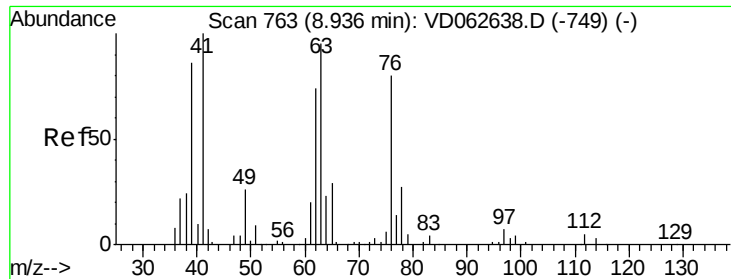
95 91.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.018 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

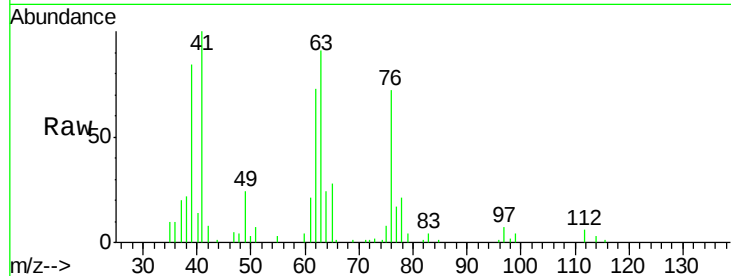
VD0610SBSD01

Tgt Ion: 63 Resp: 109355

Ion Ratio Lower Upper

63 100

65 31.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

40000

30000

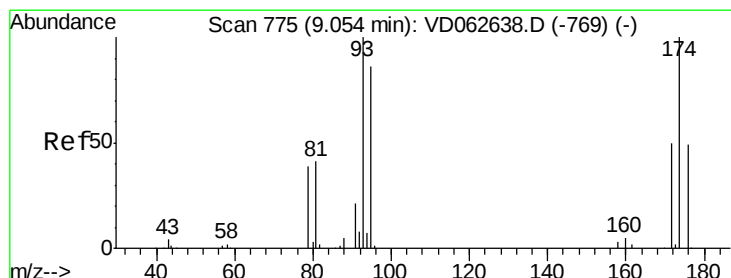
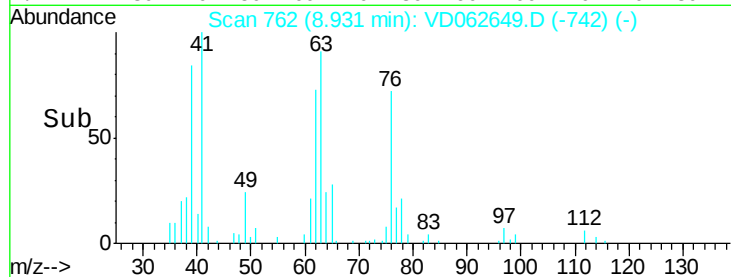
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 22.663 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

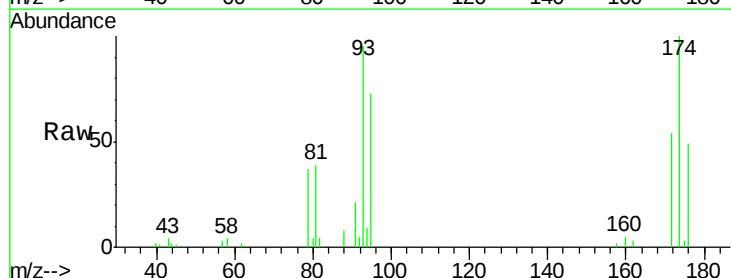
Tgt Ion: 93 Resp: 99913

Ion Ratio Lower Upper

93 100

95 77.2 68.7 103.1

174 105.4 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

60000

50000

40000

30000

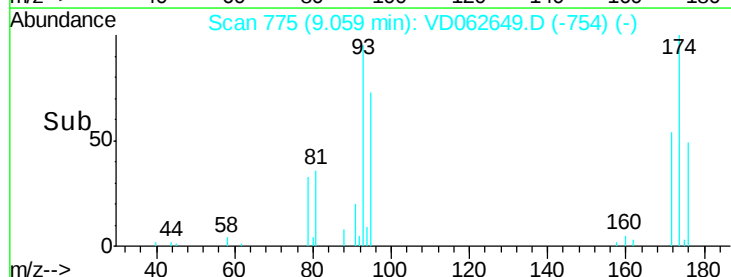
20000

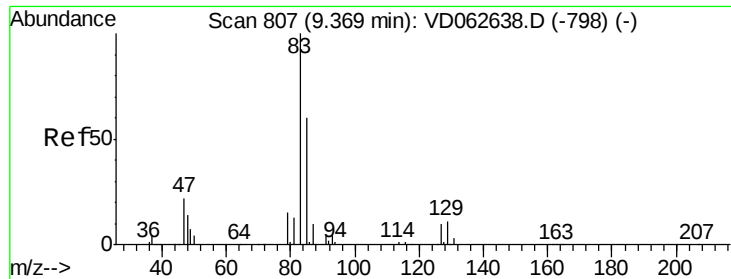
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 22.334 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

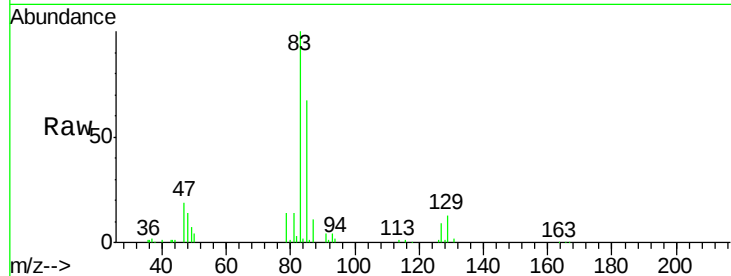
Tgt Ion: 83 Resp: 267840

Ion Ratio Lower Upper

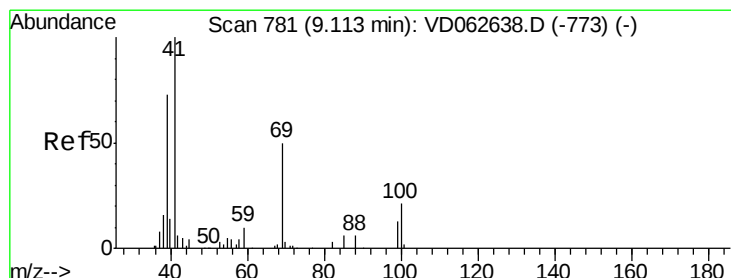
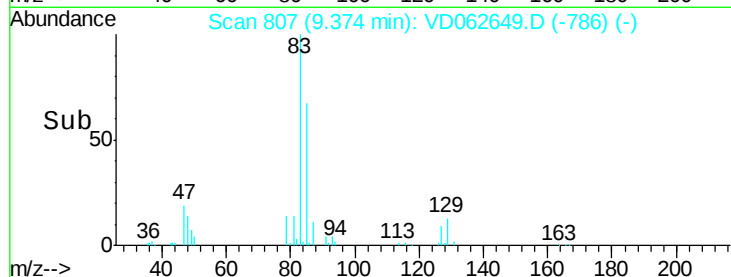
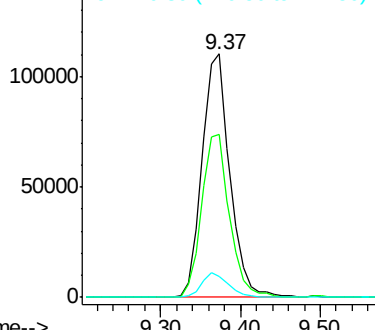
83 100

85 66.8 47.9 71.9

127 8.6 8.2 12.4



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



#48

Methyl methacrylate

Concen: 20.780 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

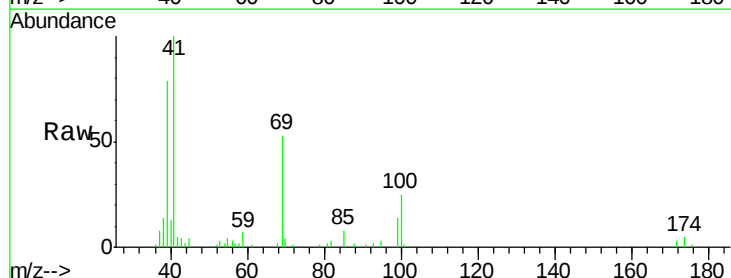
Tgt Ion: 41 Resp: 83869

Ion Ratio Lower Upper

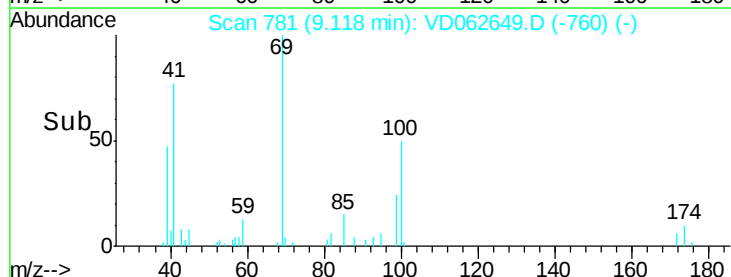
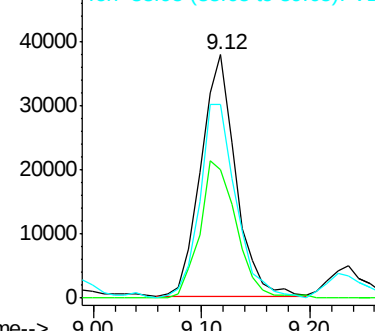
41 100

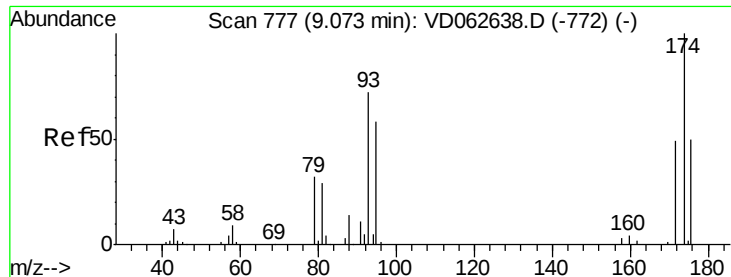
69 52.5 39.8 59.6

39 79.4 59.1 88.7



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

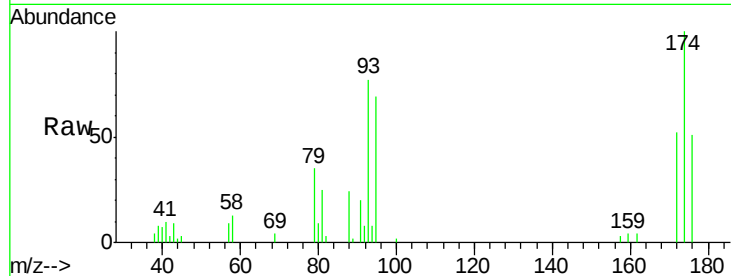




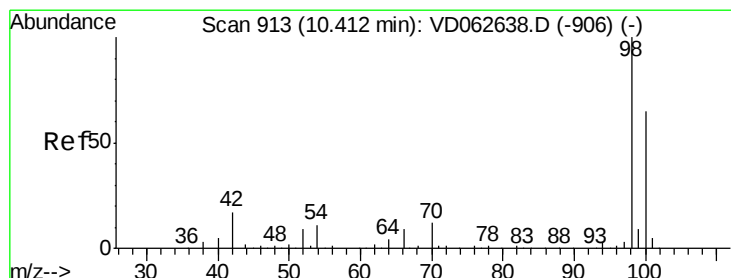
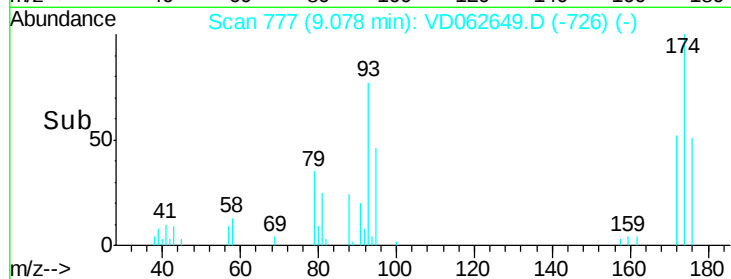
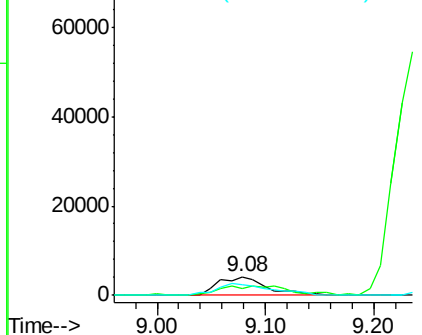
#49
 1,4-Dioxane
 Concen: 381.326 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

Tgt Ion: 88 Resp: 12655
 Ion Ratio Lower Upper
 88 100
 43 37.5 40.7 61.1#
 58 53.6 54.2 81.4#

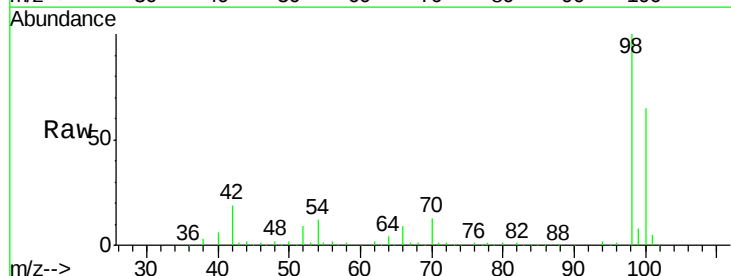


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

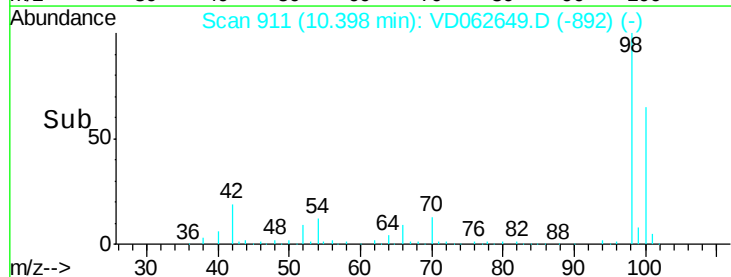
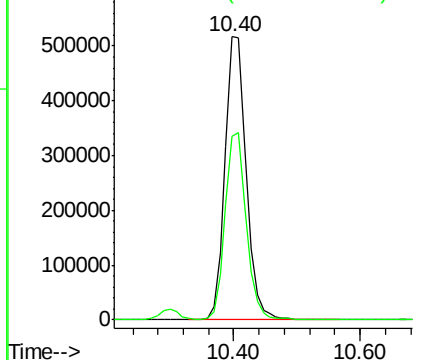


#50
 Toluene-d8
 Concen: 58.781 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 98 Resp: 1206447
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

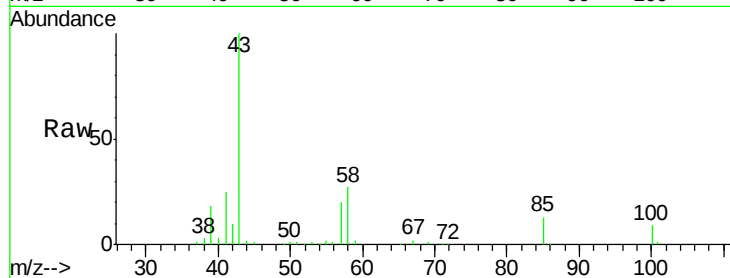




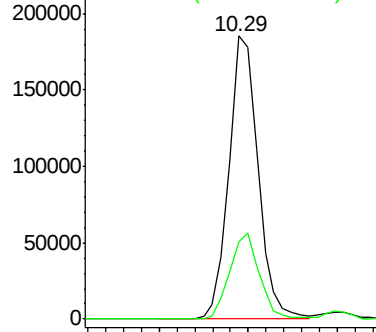
#51
4-Methyl-2-Pentanone
Concen: 107.091 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

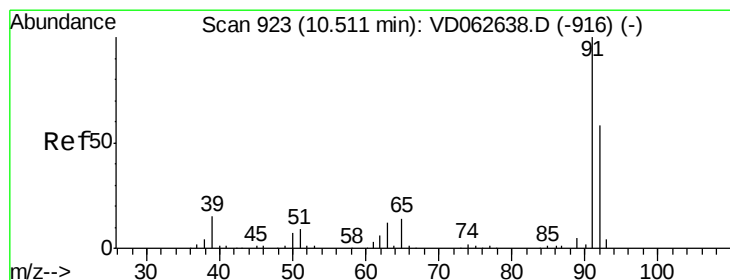
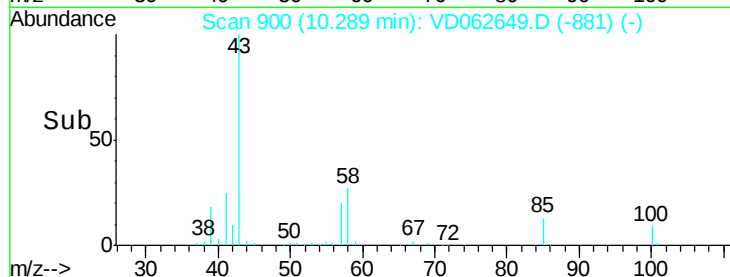
Tgt Ion: 43 Resp: 418629
Ion Ratio Lower Upper
43 100
58 27.2 26.1 39.1



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

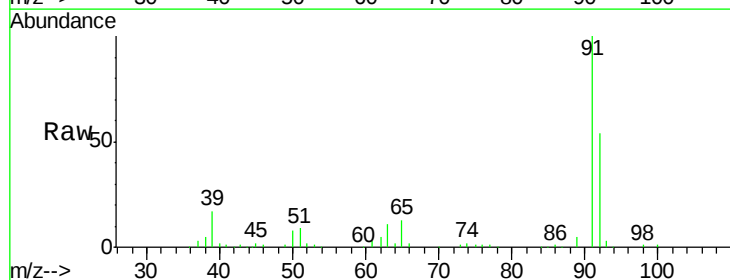


Time-->

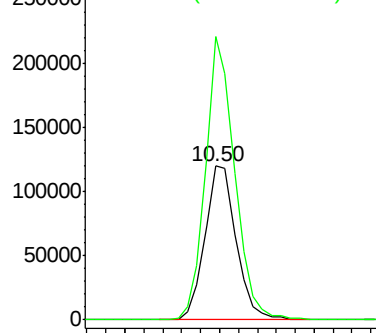


#52
Toluene
Concen: 19.740 ug/l
RT: 10.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

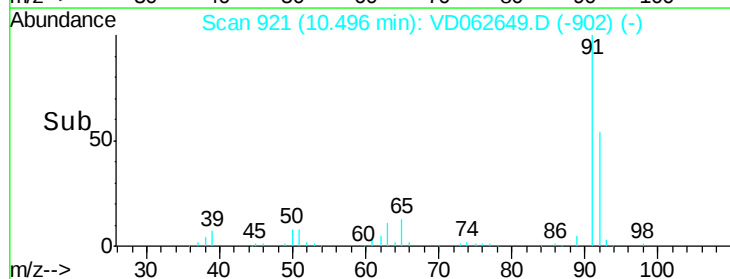
Tgt Ion: 92 Resp: 274365
Ion Ratio Lower Upper
92 100
91 183.8 137.0 205.6



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



Time-->

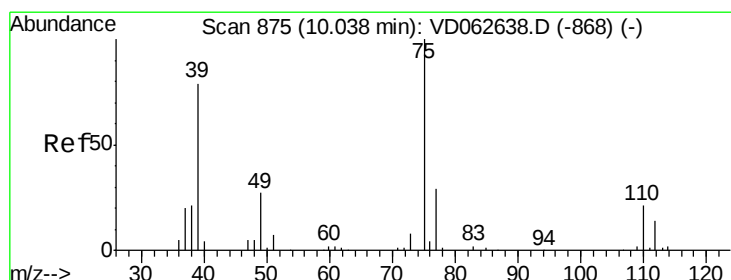
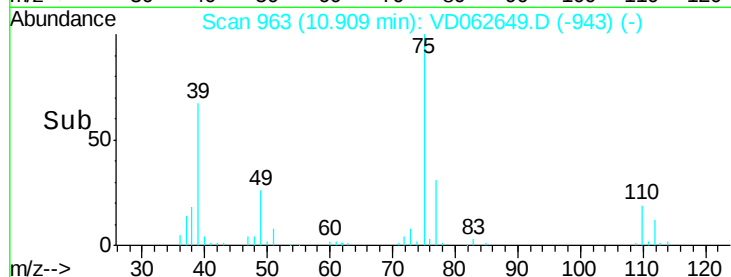
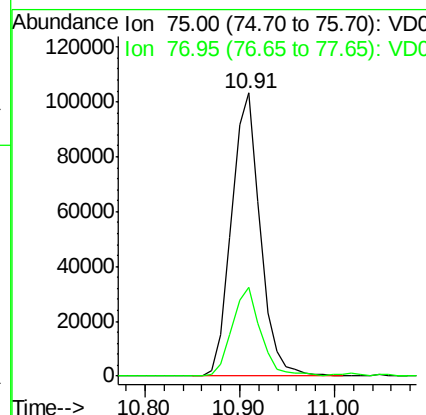
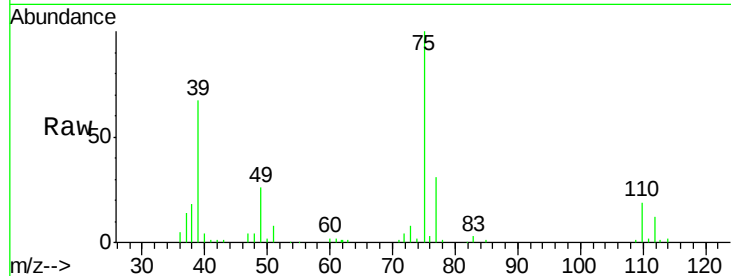




#53
t-1,3-Dichloropropene
Concen: 22.032 ug/l
RT: 10.91 min Scan# 963
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

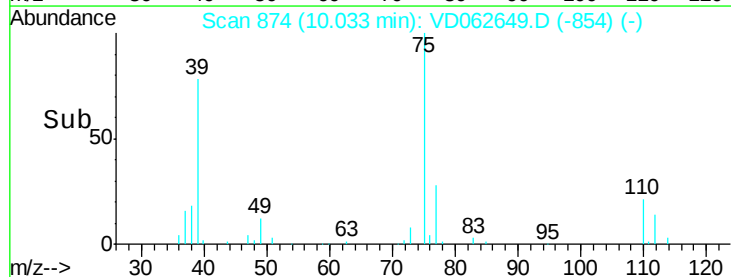
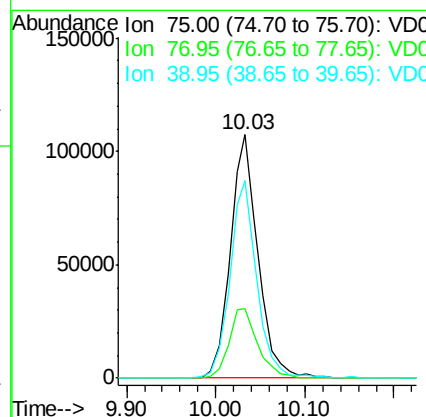
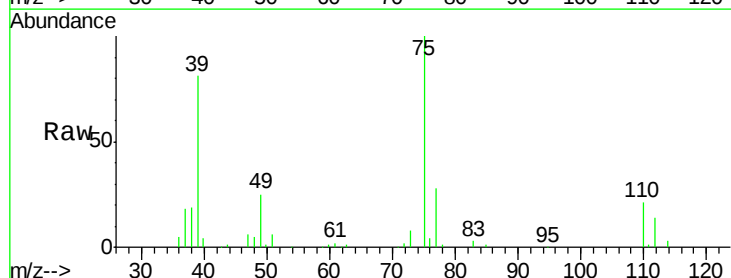
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

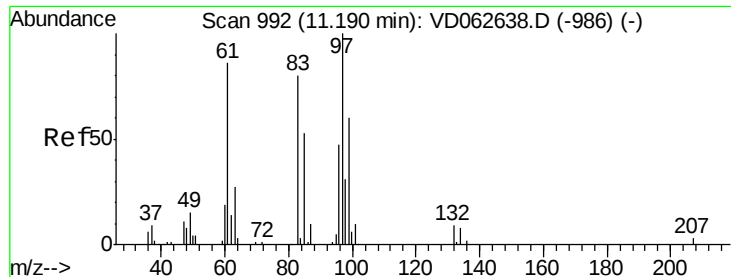
Tgt Ion: 75 Resp: 216633
Ion Ratio Lower Upper
75 100
77 31.4 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 22.943 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 233161
Ion Ratio Lower Upper
75 100
77 28.5 23.1 34.7
39 81.1 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 20.792 ug/l

RT: 11.19 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

Tgt Ion: 97 Resp: 99106

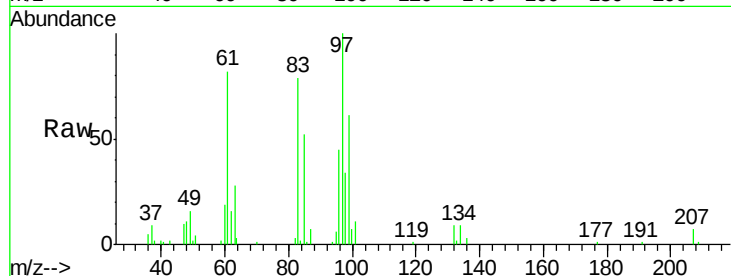
Ion Ratio Lower Upper

97 100

83 79.3 63.8 95.8

85 52.0 42.3 63.5

99 61.3 48.0 72.0

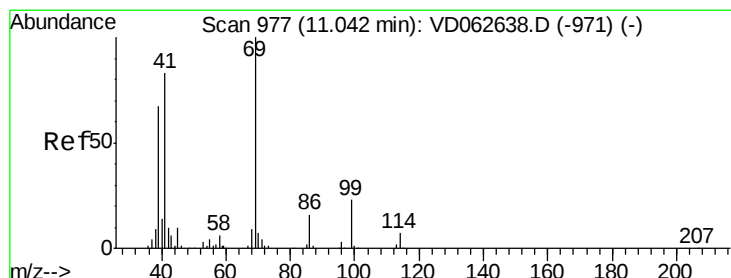
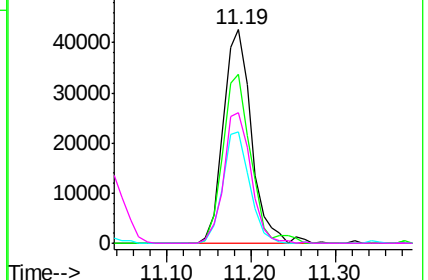
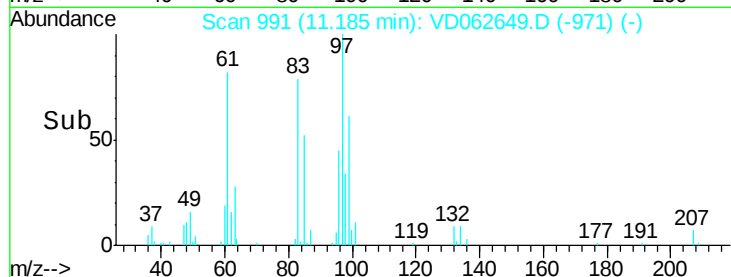


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.585 ug/l

RT: 11.04 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

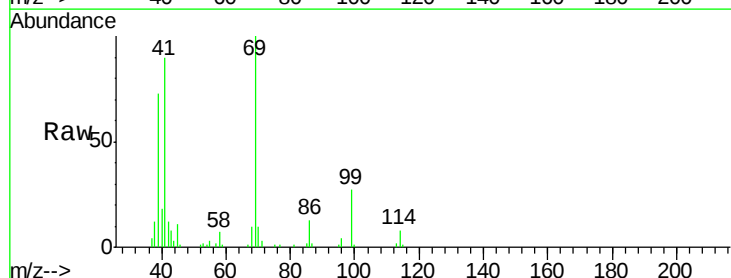
Tgt Ion: 69 Resp: 110010

Ion Ratio Lower Upper

69 100

41 90.4 66.2 99.4

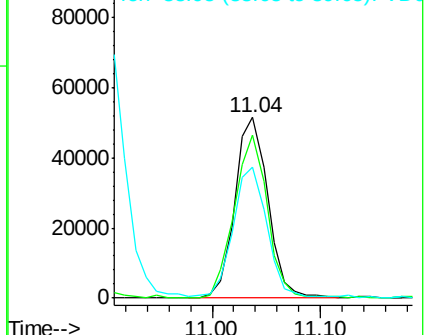
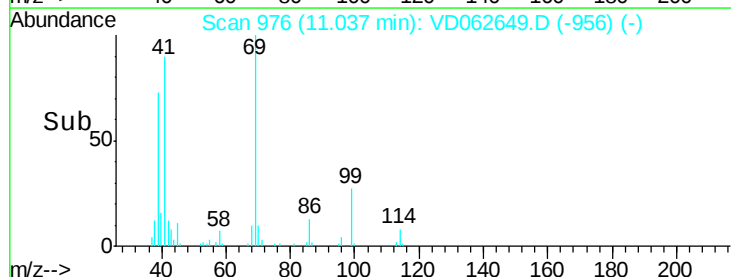
39 72.8 53.8 80.8

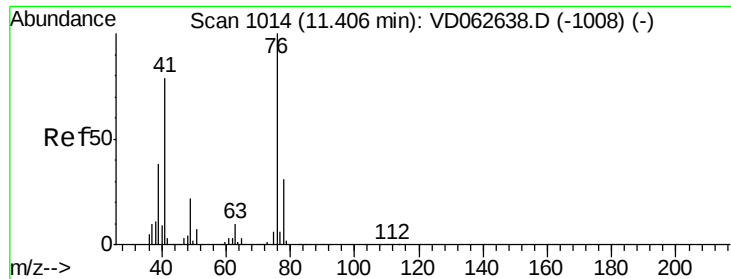


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

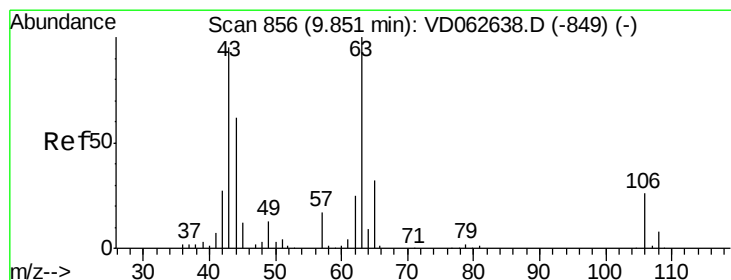
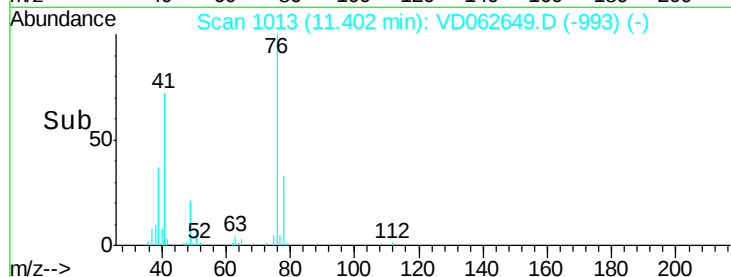
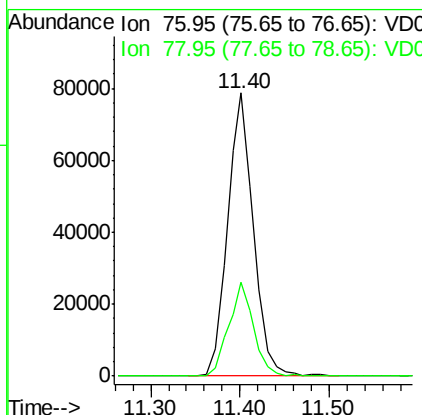
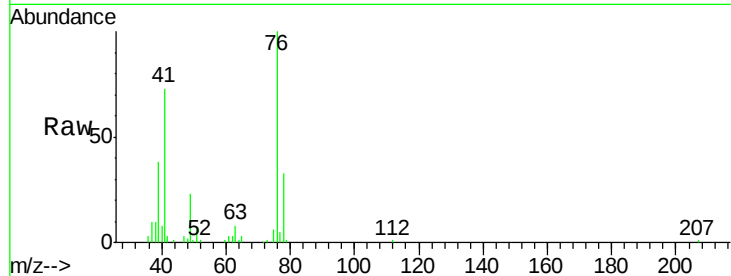




#57
 1,3-Dichloropropane
 Concen: 21.555 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

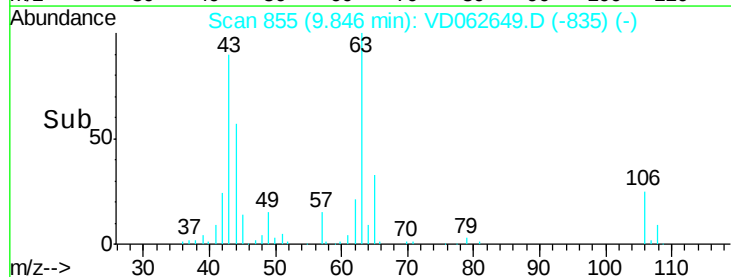
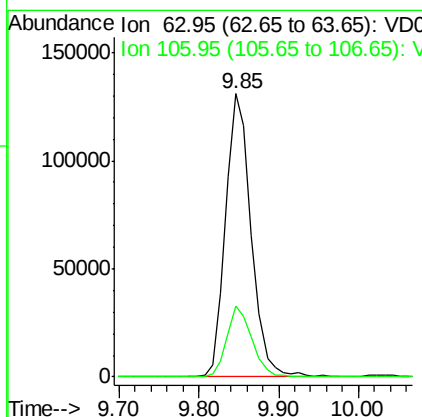
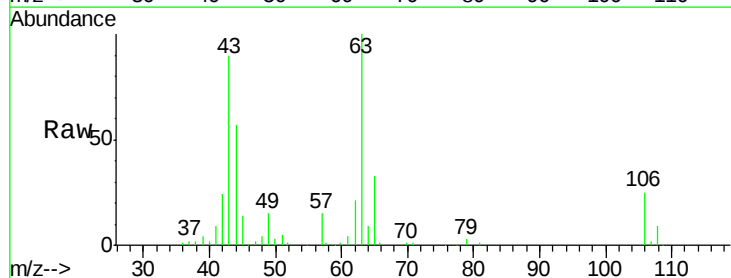
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

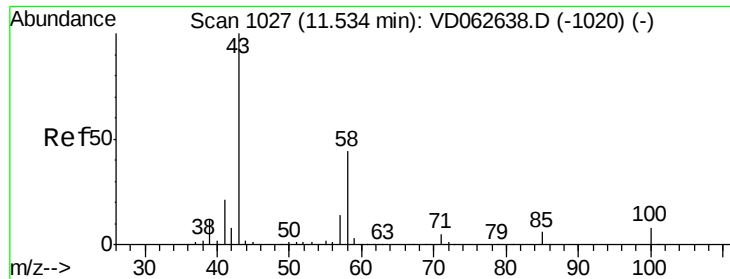
Tgt Ion: 76 Resp: 159245
 Ion Ratio Lower Upper
 76 100
 78 33.3 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.101 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 63 Resp: 295779
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.5 30.7

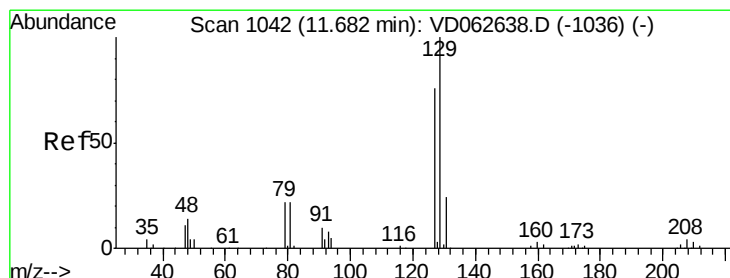
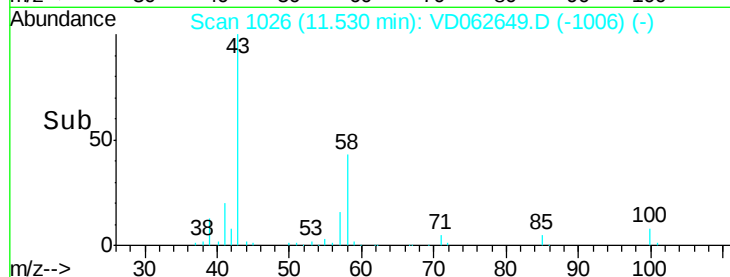
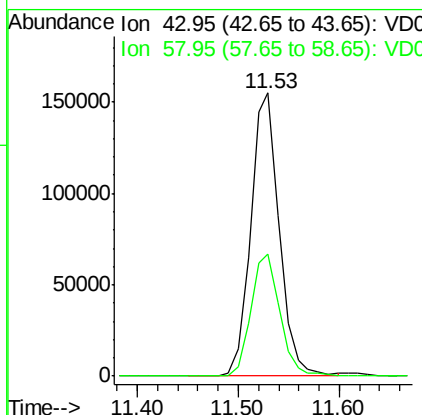
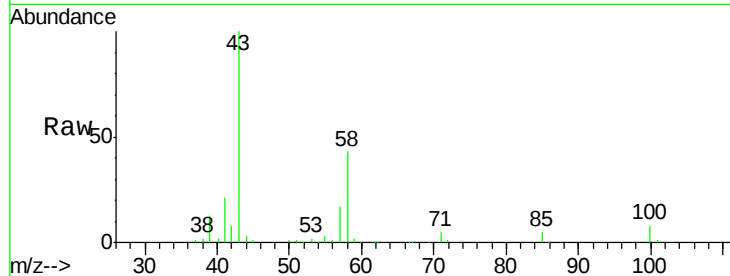




#59
2-Hexanone
Concen: 104.905 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

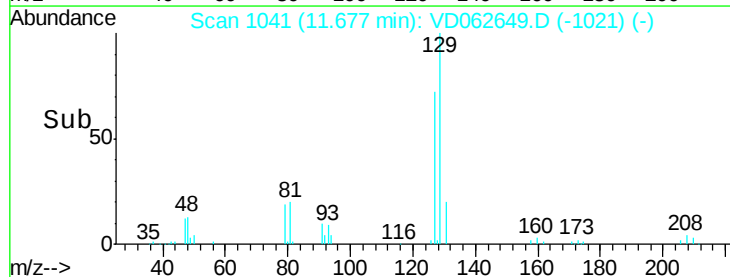
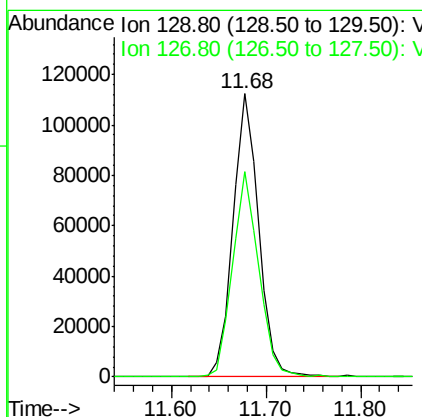
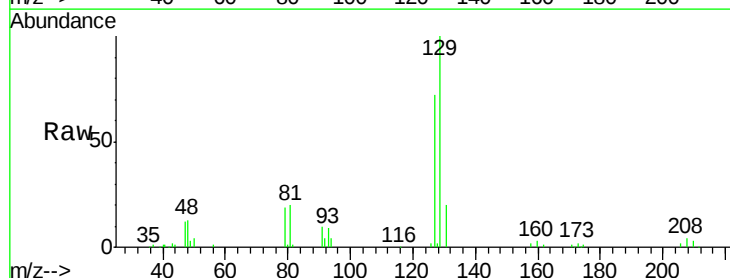
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

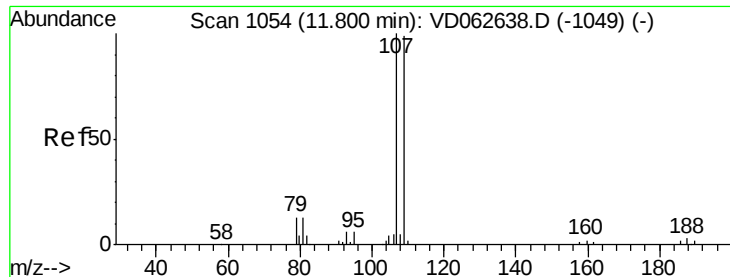
Tgt Ion: 43 Resp: 305046
Ion Ratio Lower Upper
43 100
58 43.0 21.8 65.4



#60
Dibromochloromethane
Concen: 22.373 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 129 Resp: 210516
Ion Ratio Lower Upper
129 100
127 72.4 38.0 114.1

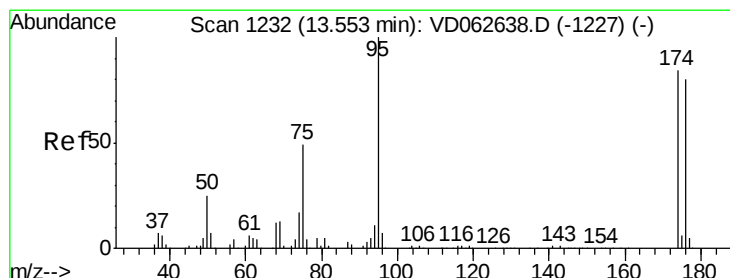
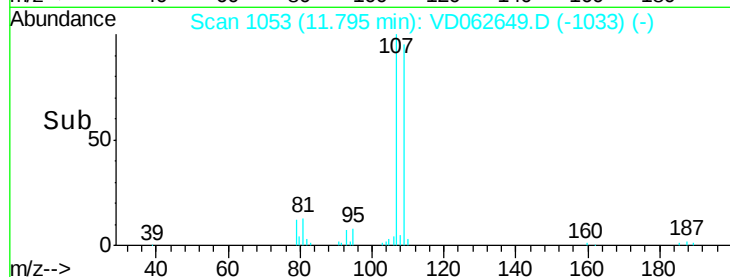
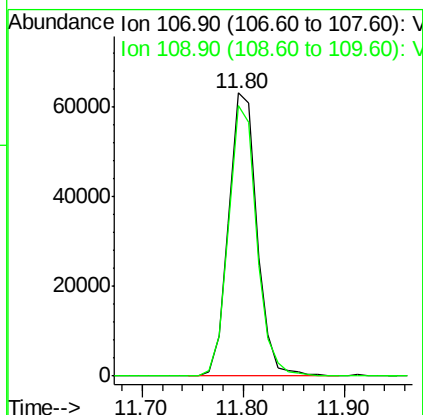
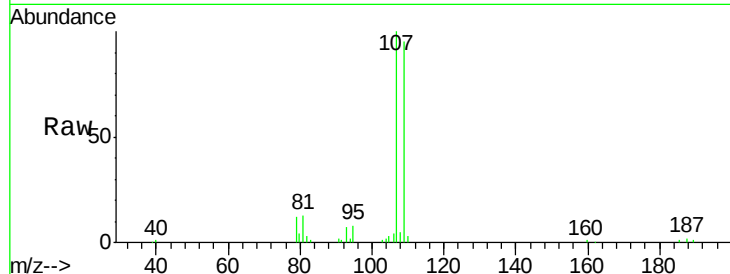




#61
 1,2-Dibromoethane
 Concen: 21.602 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

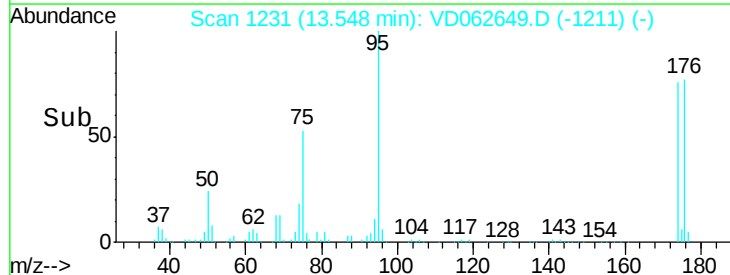
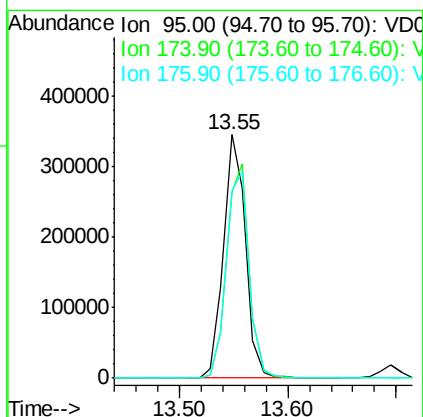
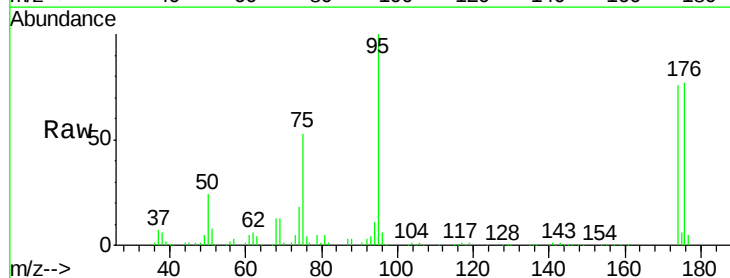
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

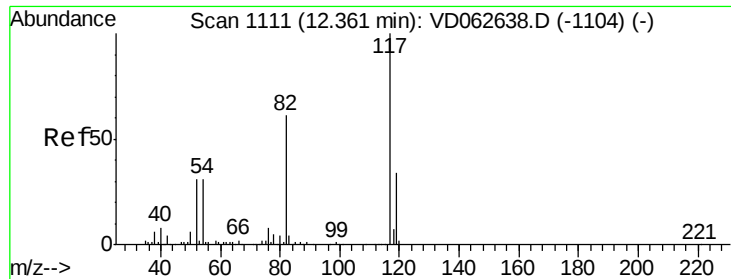
Tgt Ion: 107 Resp: 123233
 Ion Ratio Lower Upper
 107 100
 109 95.5 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 50.920 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 95 Resp: 487583
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 167.0
 176 76.8 0.0 159.2

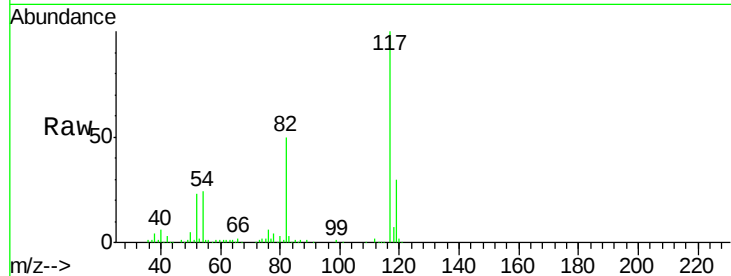




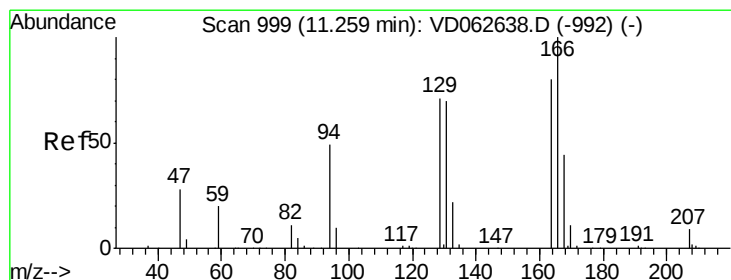
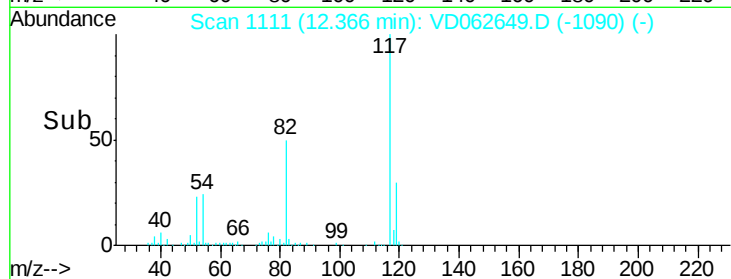
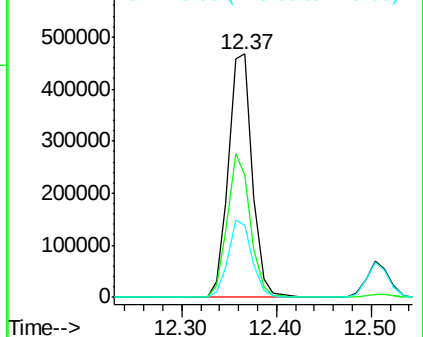
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Tgt Ion:117 Resp: 820144
Ion Ratio Lower Upper
117 100
82 50.1 48.7 73.1
119 29.7 27.0 40.6

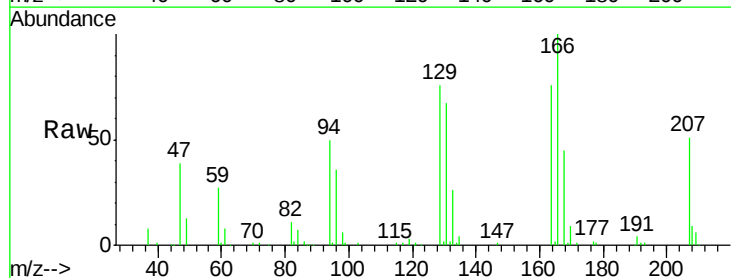


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

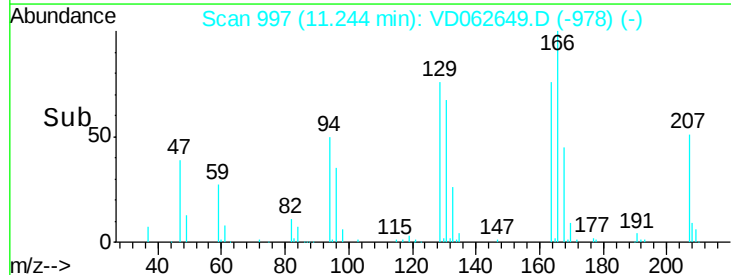
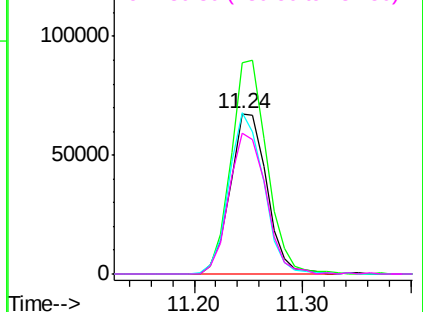


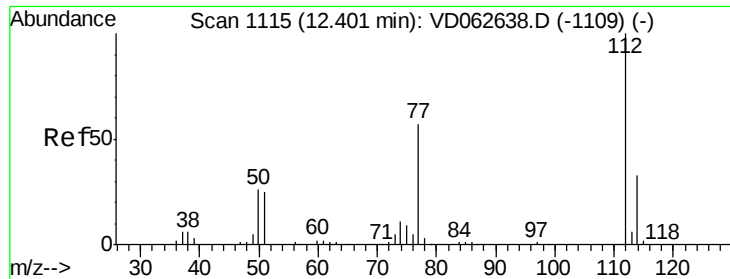
#64
Tetrachloroethene
Concen: 20.540 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion:164 Resp: 157693
Ion Ratio Lower Upper
164 100
166 131.8 99.4 149.2
129 100.4 70.2 105.4
131 88.1 69.3 103.9



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

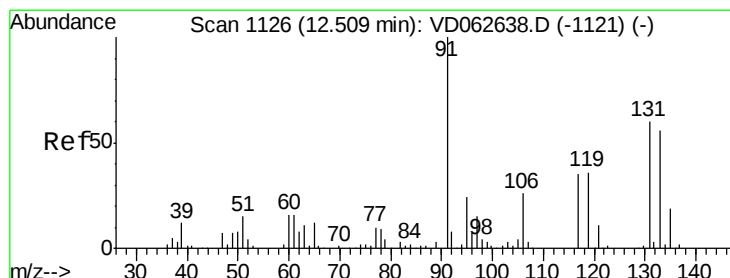
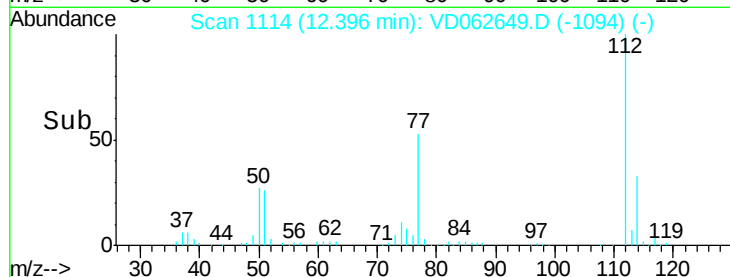
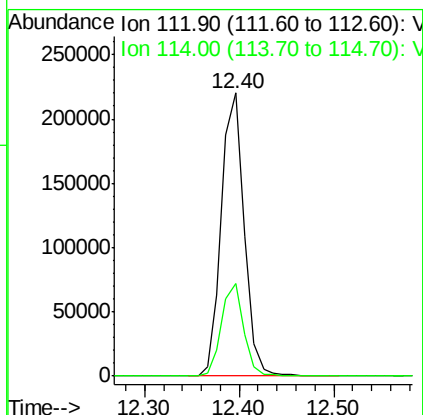
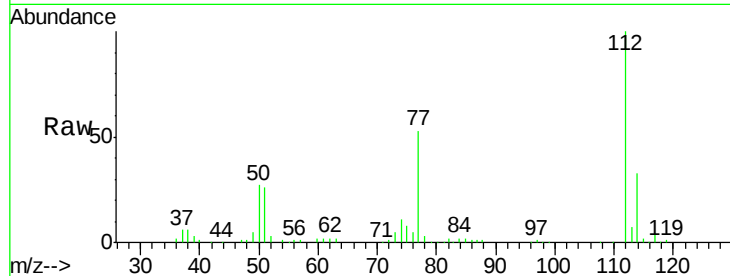




#65
Chlorobenzene
Concen: 20.275 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

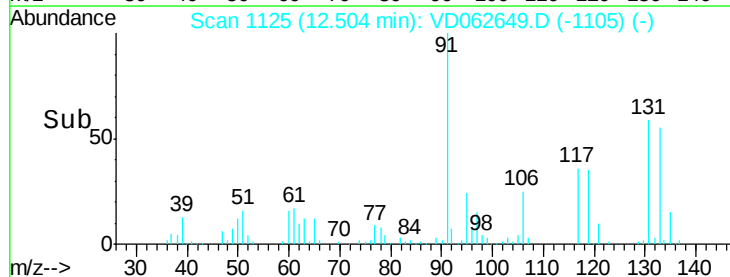
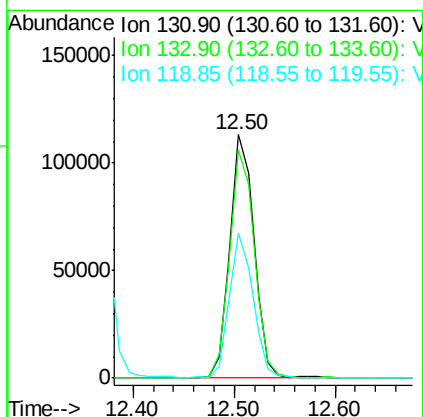
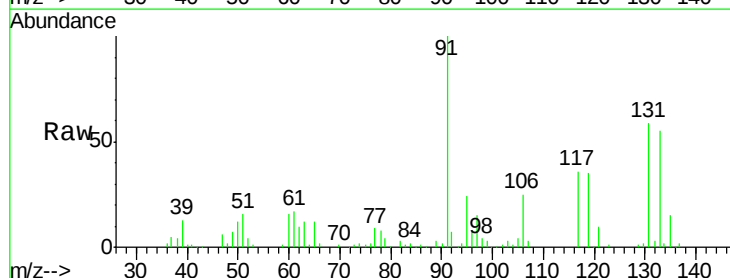
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

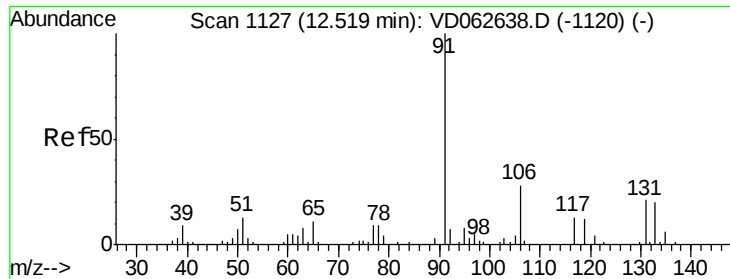
Tgt Ion:112 Resp: 367804
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.855 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion:131 Resp: 189093
Ion Ratio Lower Upper
131 100
133 93.5 46.8 140.3
119 59.6 29.9 89.8

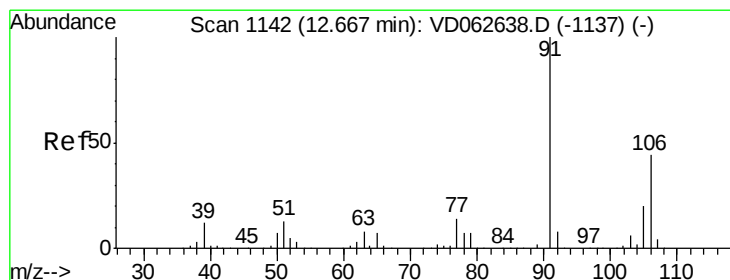
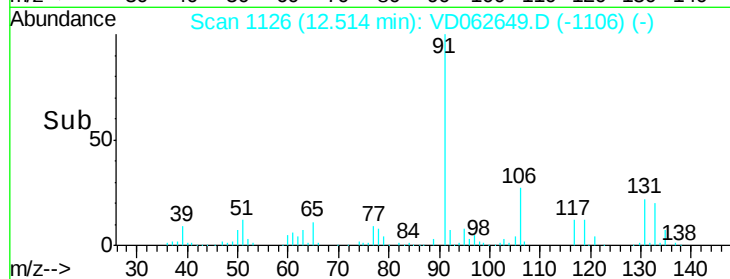
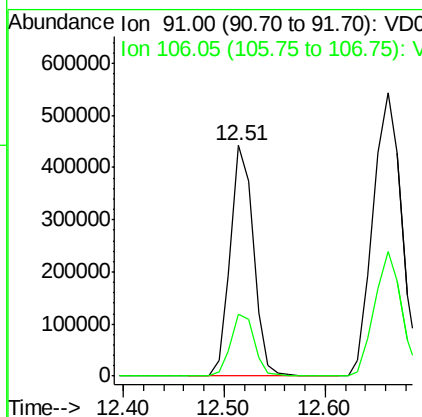
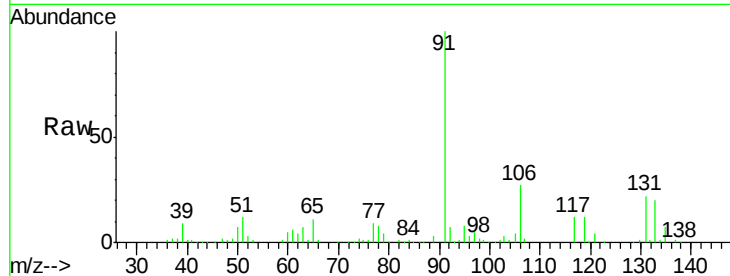




#67
Ethyl Benzene
Concen: 22.025 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

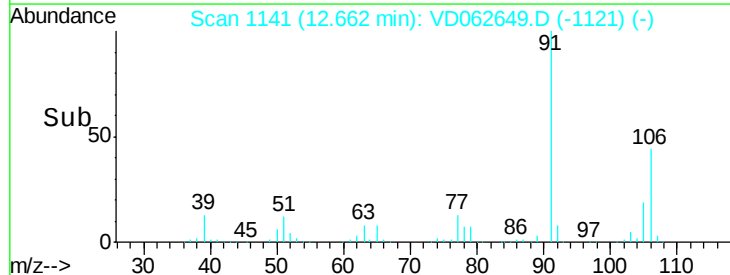
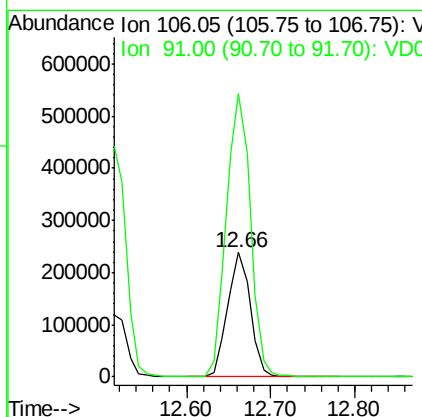
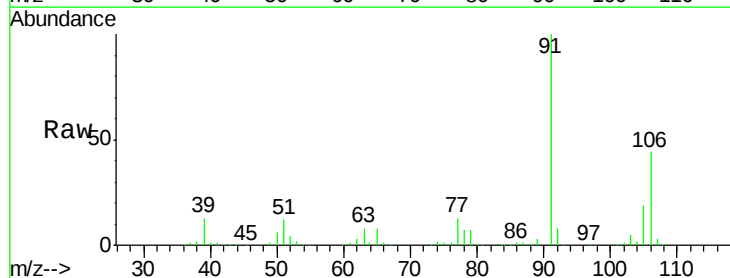
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

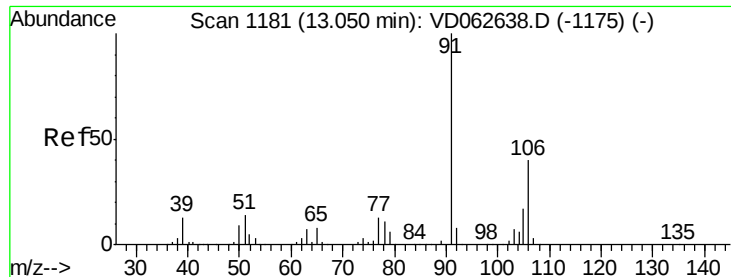
Tgt Ion: 91 Resp: 708429
Ion Ratio Lower Upper
91 100
106 26.7 22.1 33.1



#68
m/p-Xylenes
Concen: 39.905 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 106 Resp: 451232
Ion Ratio Lower Upper
106 100
91 227.9 180.2 270.4

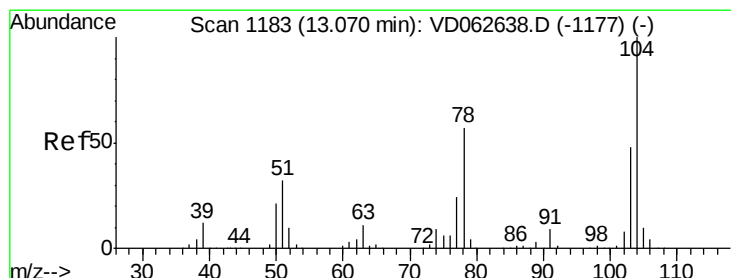
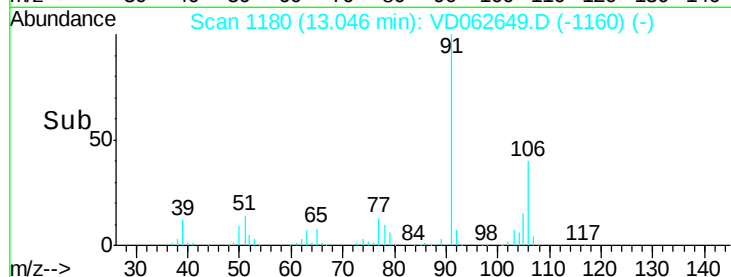
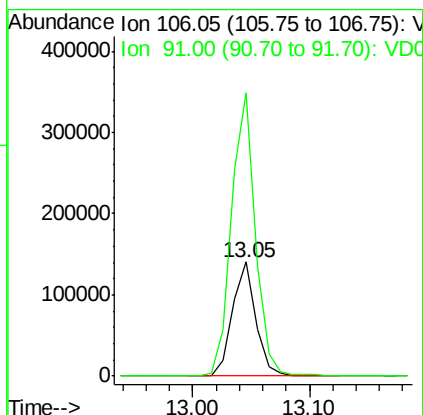
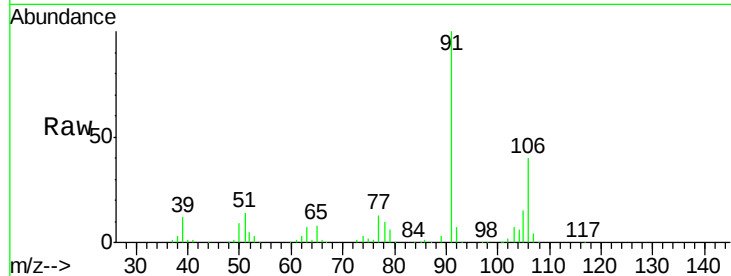




#69
o-Xylene
Concen: 18.877 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

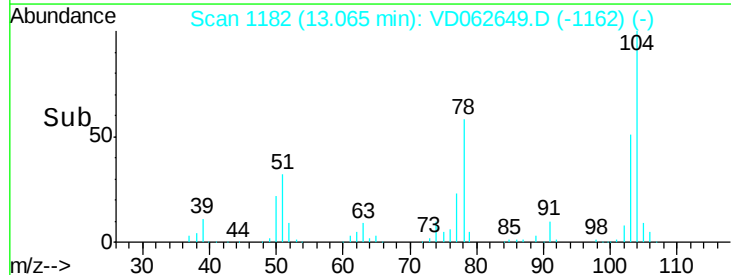
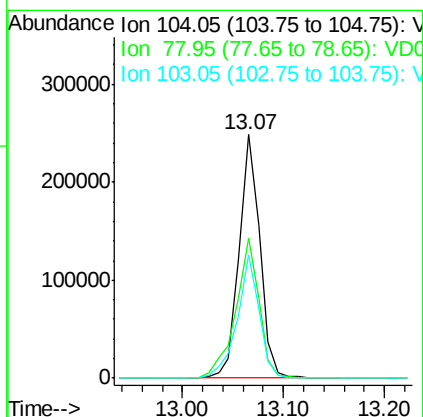
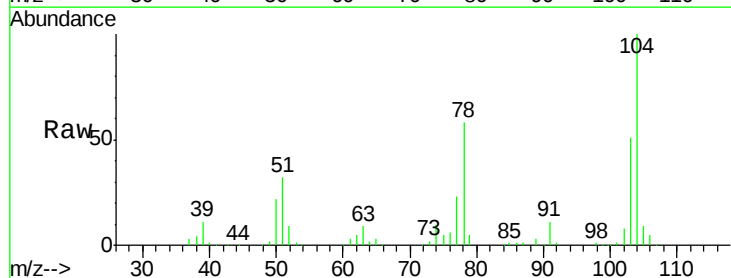
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

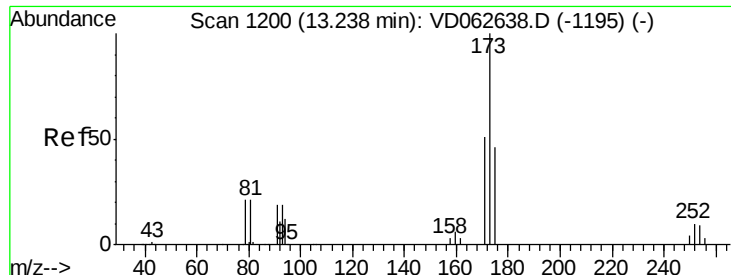
Tgt Ion:106 Resp: 196042
Ion Ratio Lower Upper
106 100
91 248.6 124.1 372.1



#70
Styrene
Concen: 19.124 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion:104 Resp: 354370
Ion Ratio Lower Upper
104 100
78 57.6 45.9 68.9
103 50.7 38.4 57.6

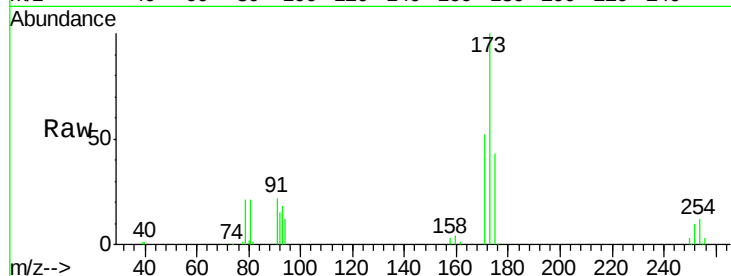




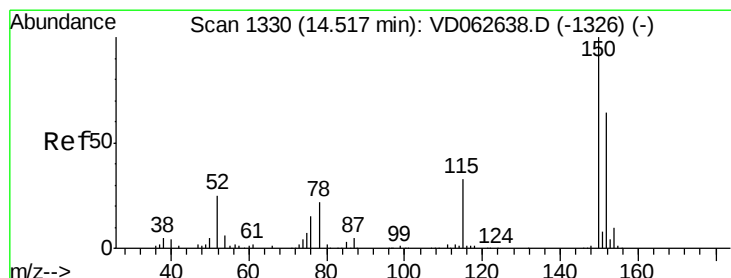
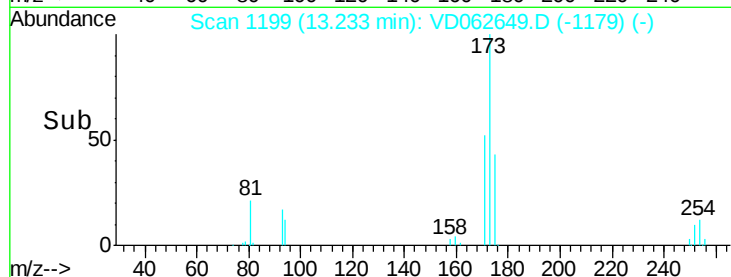
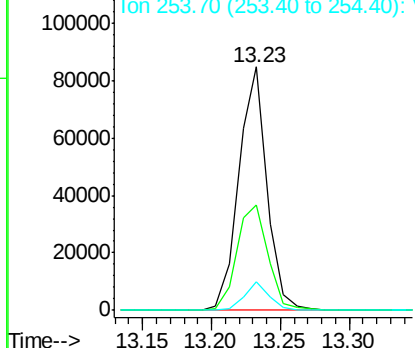
#71
Bromoform
Concen: 19.927 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Tgt Ion:173 Resp: 120284
Ion Ratio Lower Upper
173 100
175 43.1 22.9 68.7
254 11.8 7.0 10.4#

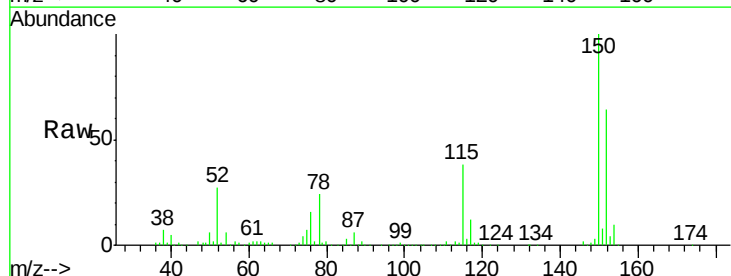


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

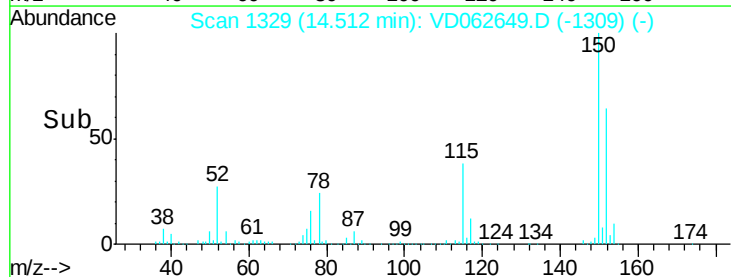
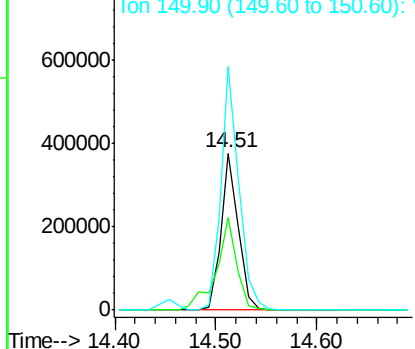


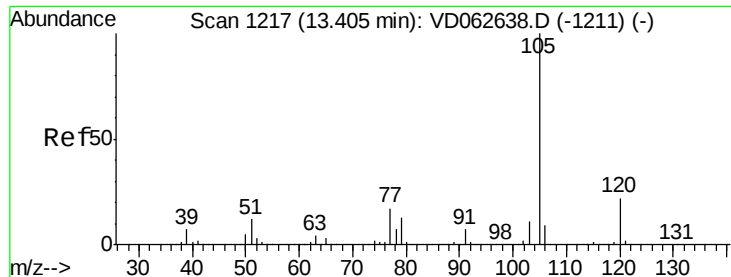
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion:152 Resp: 450903
Ion Ratio Lower Upper
152 100
115 58.8 30.1 90.5
150 155.0 0.0 314.0



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: 21.168 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

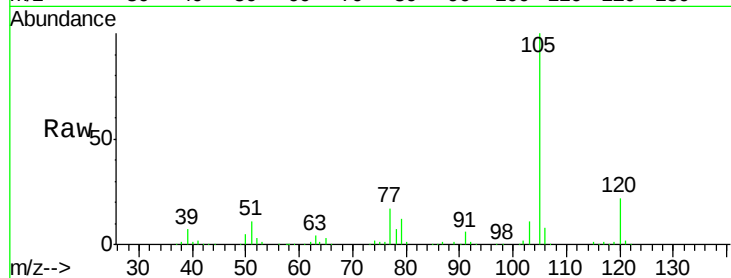
VD0610SBSD01

Tgt Ion:105 Resp: 672769

Ion Ratio Lower Upper

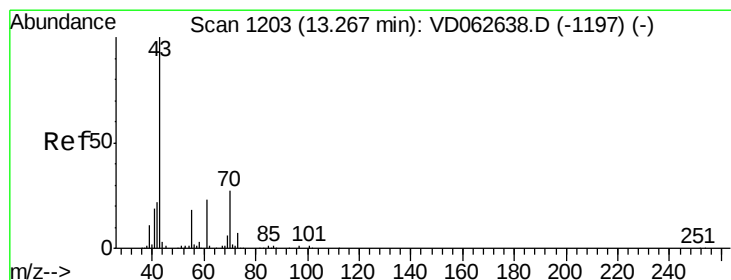
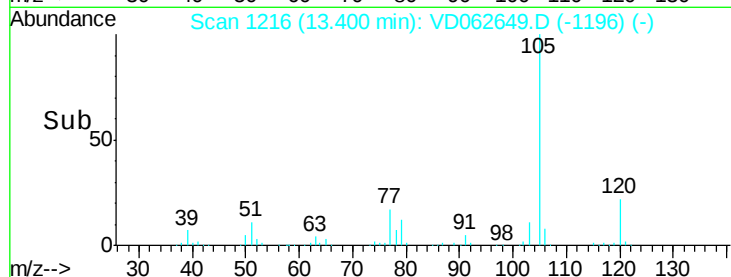
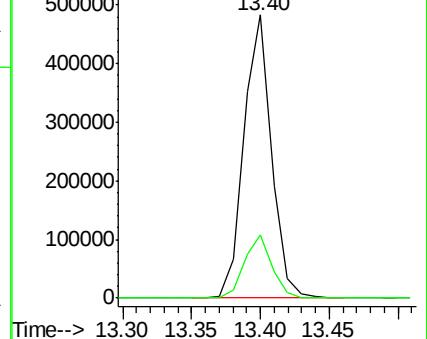
105 100

120 22.2 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.268 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 174091

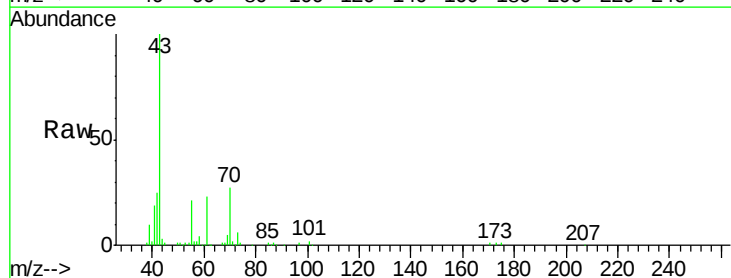
Ion Ratio Lower Upper

43 100

70 27.1 21.8 32.8

55 21.2 14.6 21.8

61 22.6 18.4 27.6

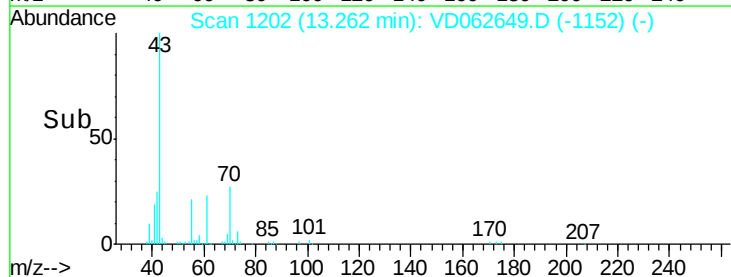
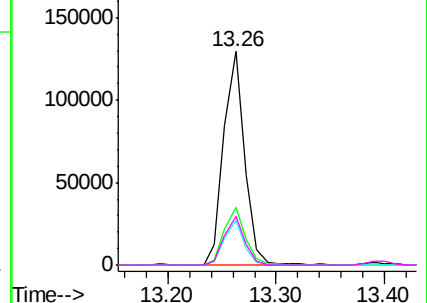


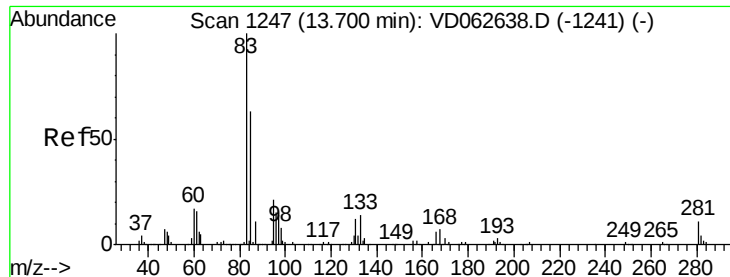
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.599 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

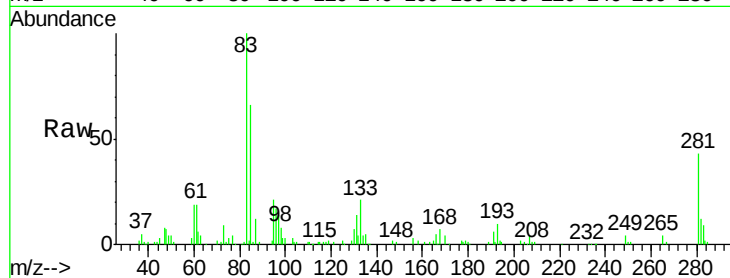
Tgt Ion: 83 Resp: 112021

Ion Ratio Lower Upper

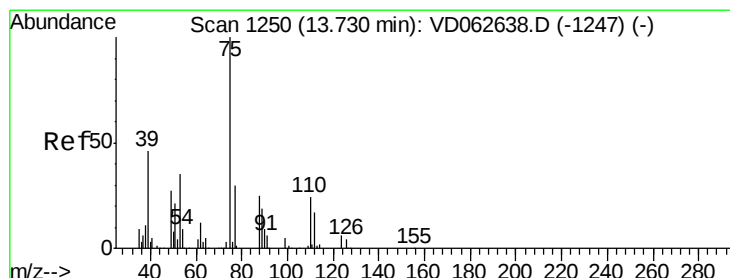
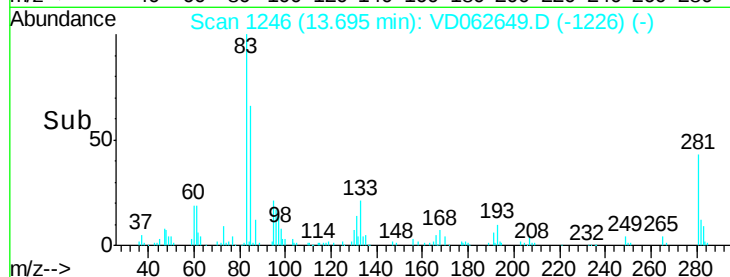
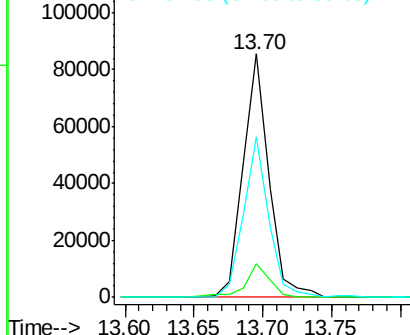
83 100

131 13.6 5.9 17.7

85 65.7 31.3 93.9



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



#76

1,2,3-Trichloropropane

Concen: 20.553 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD062649.D

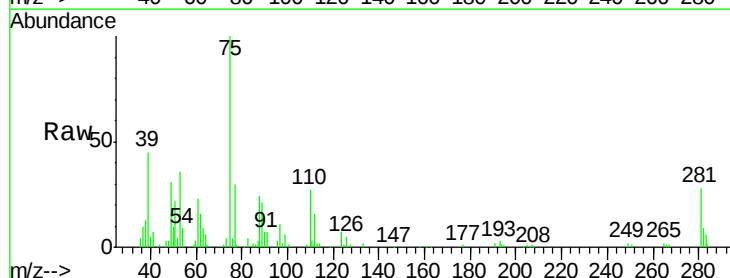
Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 125656

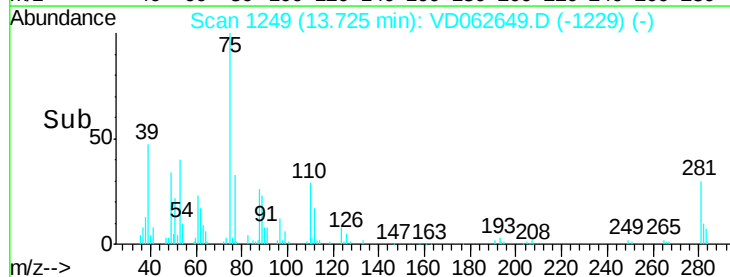
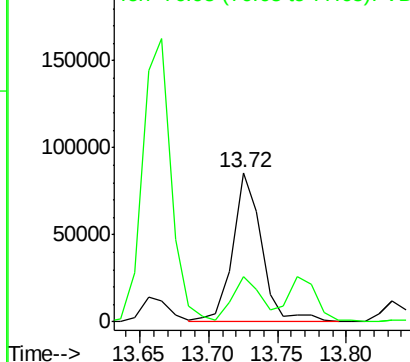
Ion Ratio Lower Upper

75 100

77 30.4 16.2 48.6



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





#77

Bromobenzene

Concen: 20.653 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

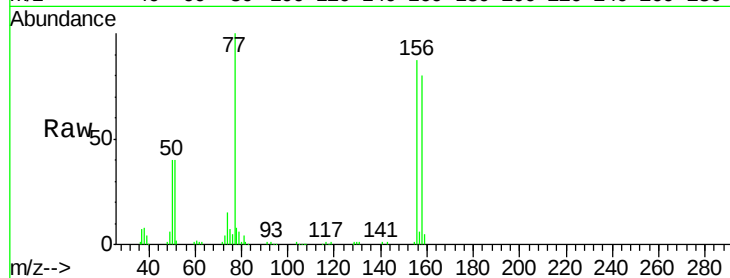
Tgt Ion:156 Resp: 187606

Ion Ratio Lower Upper

156 100

77 115.1 56.3 168.8

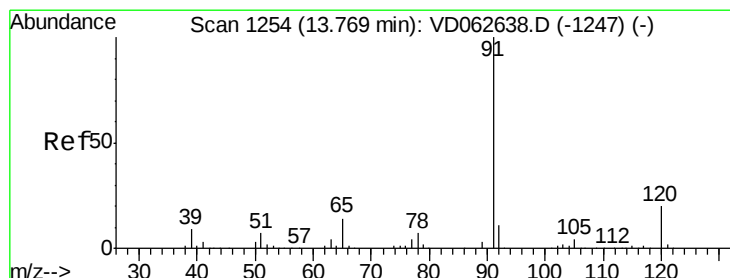
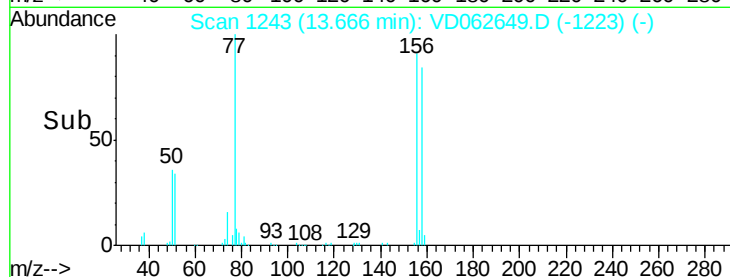
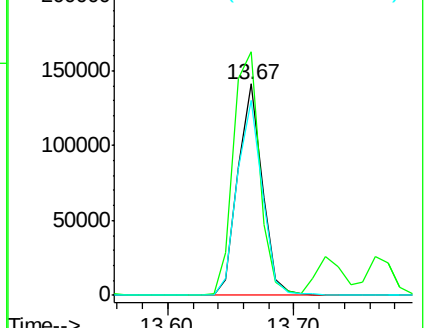
158 92.3 49.6 148.8



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: 19.547 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD062649.D

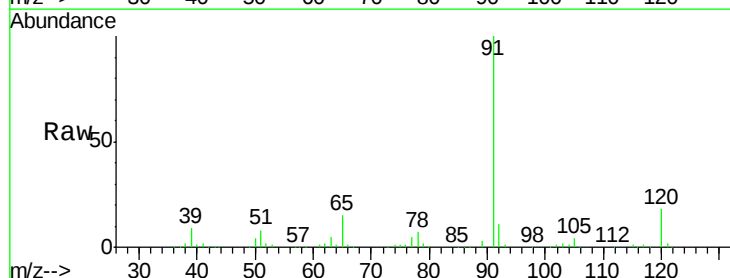
Acq: 10 Jun 2019 13:17

Tgt Ion: 91 Resp: 760437

Ion Ratio Lower Upper

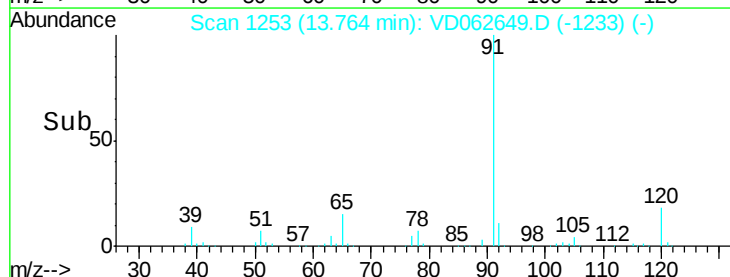
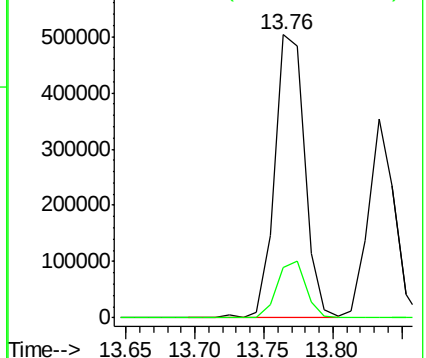
91 100

120 17.9 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.395 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

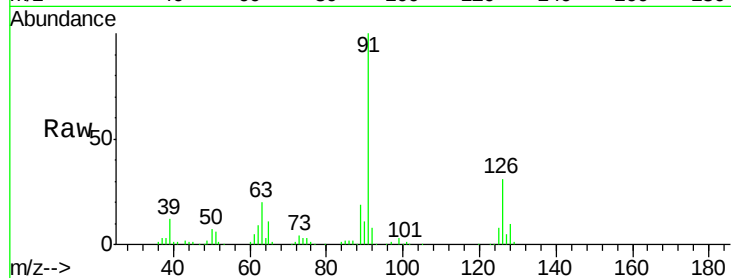
VD0610SBSD01

Tgt Ion: 91 Resp: 464571

Ion Ratio Lower Upper

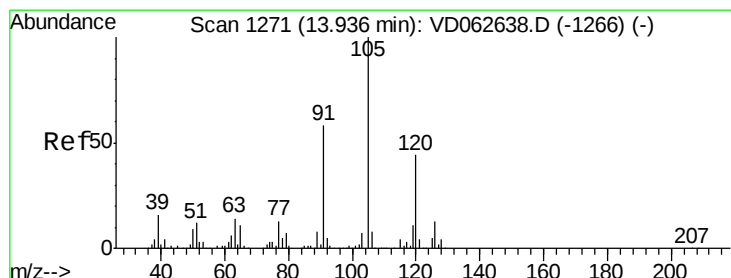
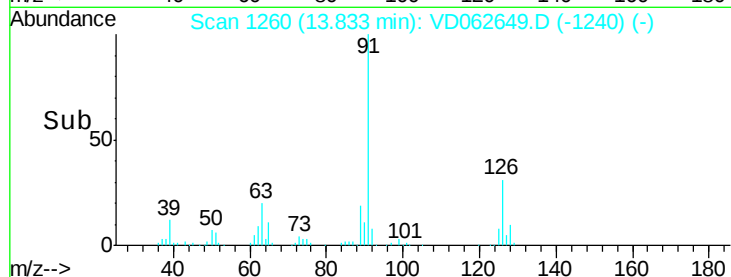
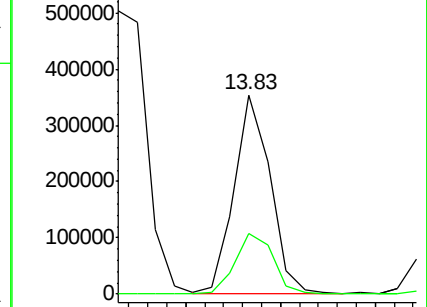
91 100

126 30.6 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062649.D

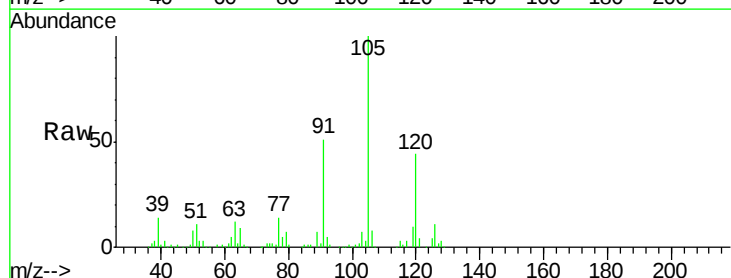
Acq: 10 Jun 2019 13:17

Tgt Ion: 105 Resp: 592262

Ion Ratio Lower Upper

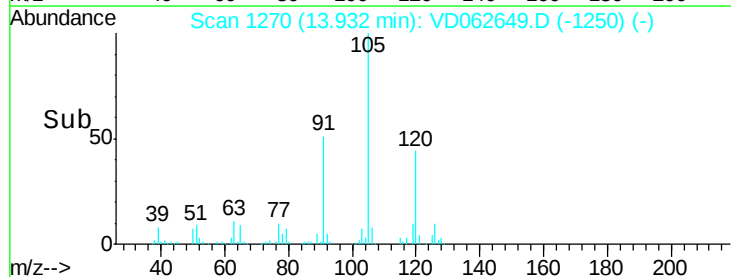
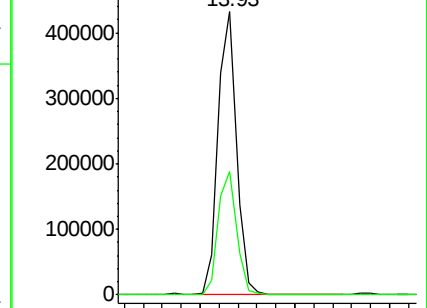
105 100

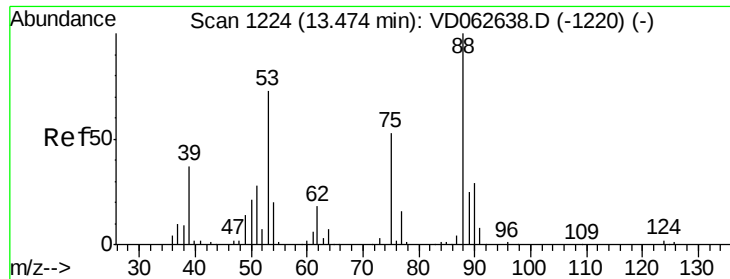
120 43.6 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)

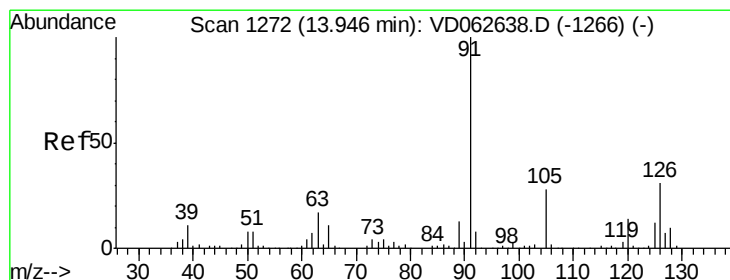
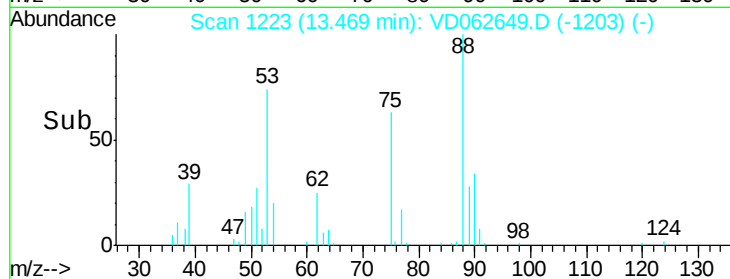
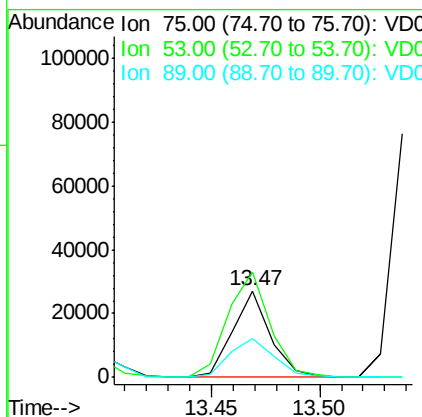
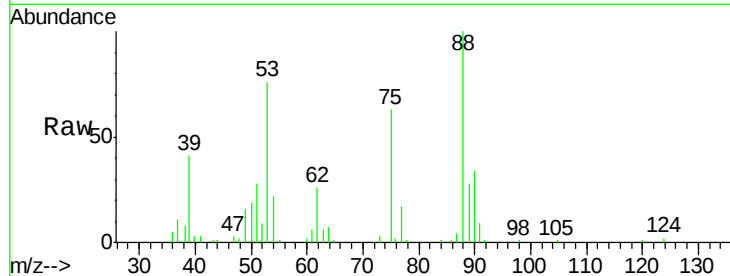




#81
trans-1,4-Dichloro-2-butene
Concen: 20.437 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

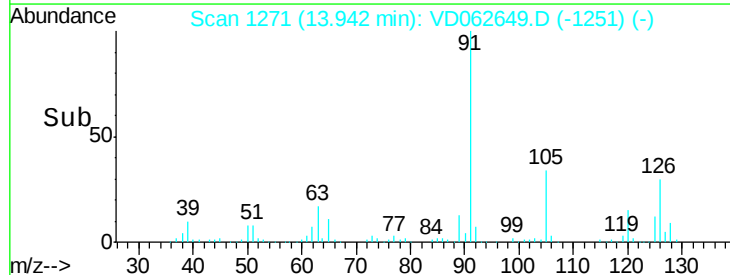
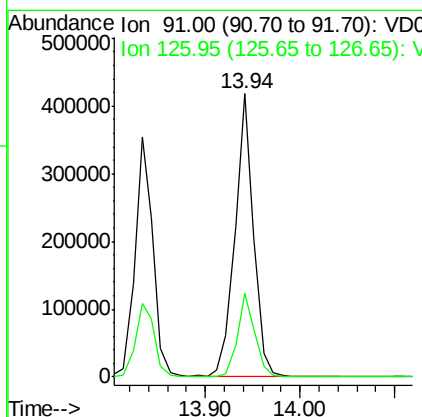
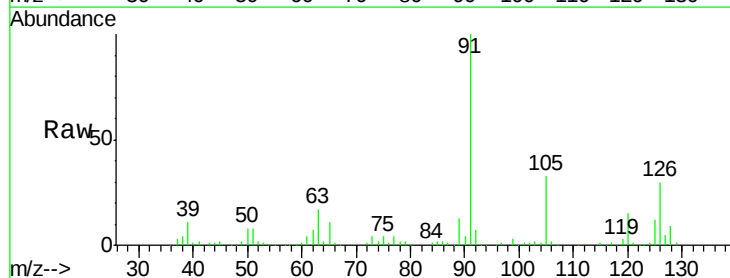
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Tgt Ion: 75 Resp: 32526
Ion Ratio Lower Upper
75 100
53 121.7 109.4 164.2
89 45.2 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.785 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 91 Resp: 566196
Ion Ratio Lower Upper
91 100
126 29.6 15.6 46.8

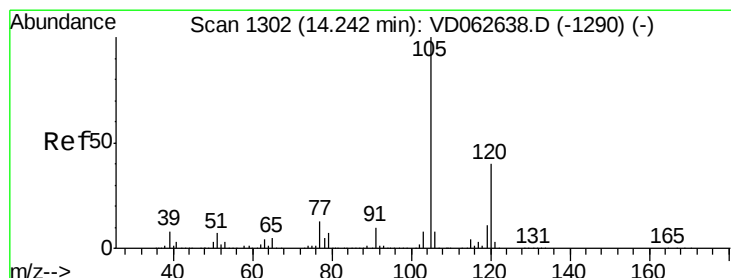
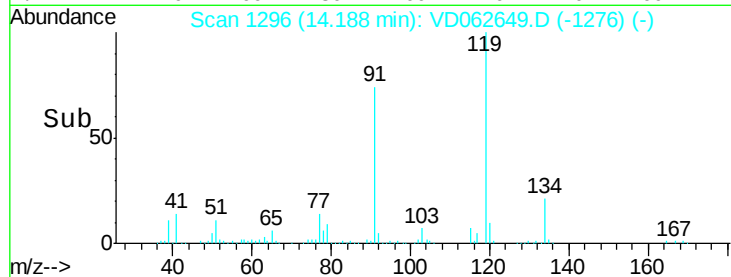
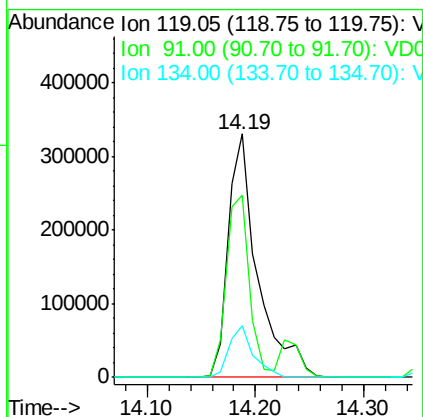
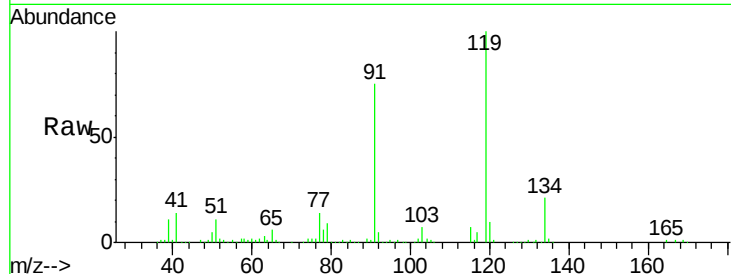




#83
 tert-Butylbenzene
 Concen: 20.261 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

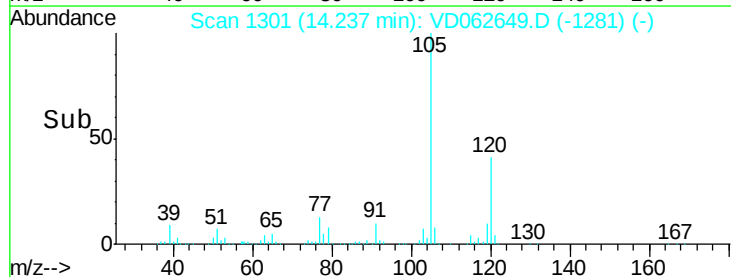
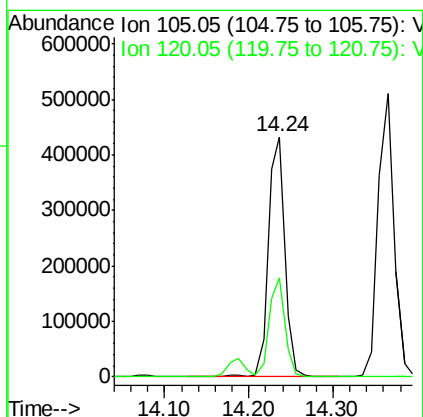
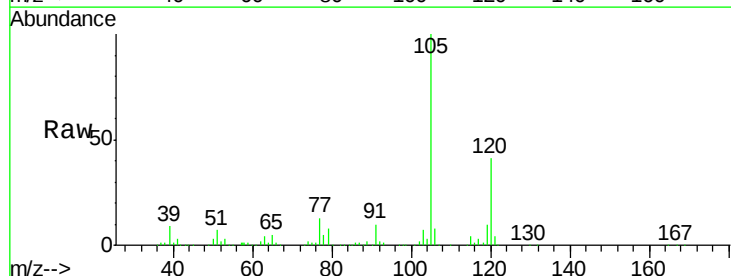
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

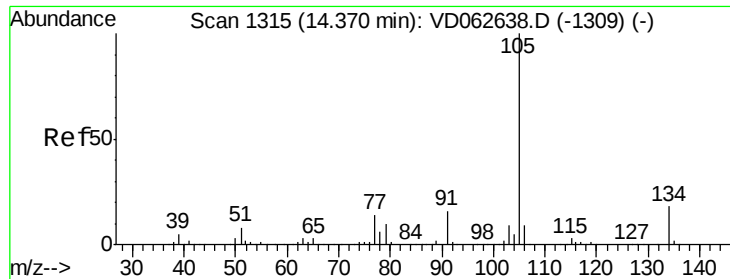
Tgt Ion:119 Resp: 627690
 Ion Ratio Lower Upper
 119 100
 91 74.8 35.4 106.1
 134 21.3 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.504 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:105 Resp: 598055
 Ion Ratio Lower Upper
 105 100
 120 41.4 20.3 60.8

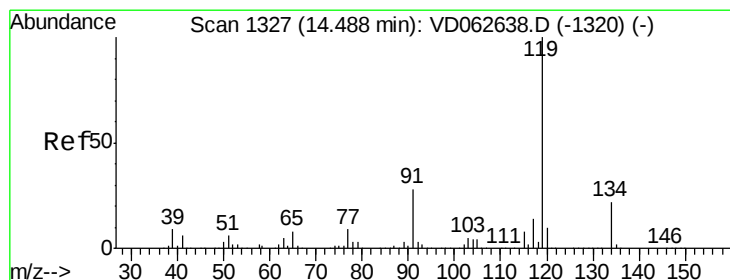
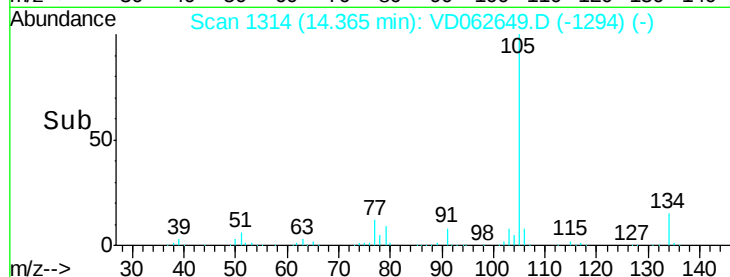
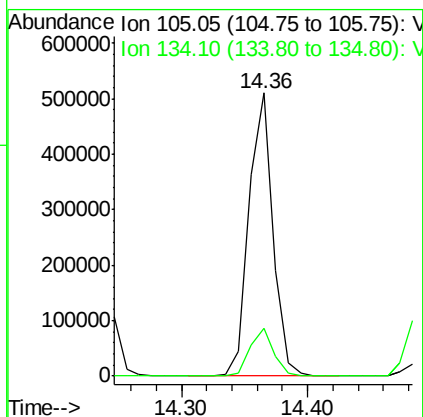
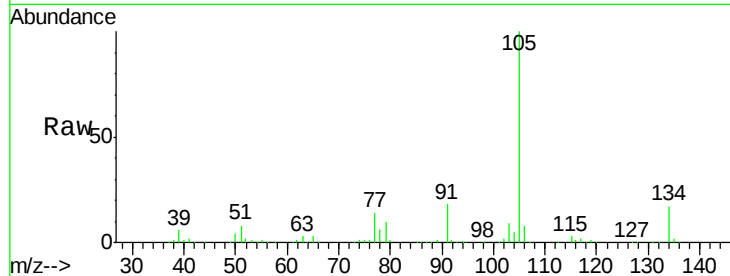




#85
 sec-Butylbenzene
 Concen: 20.797 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

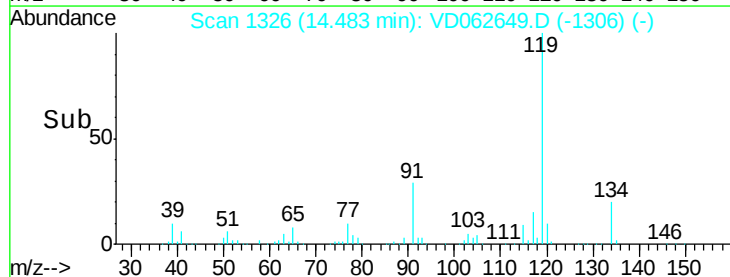
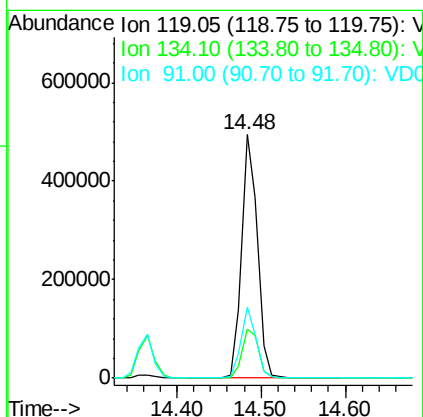
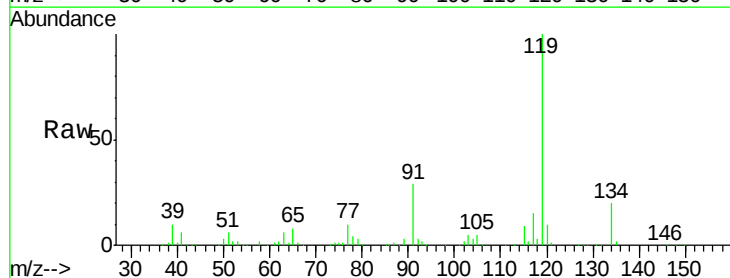
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

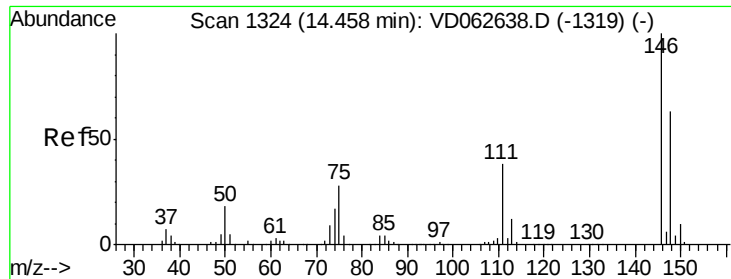
Tgt Ion:105 Resp: 675608
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 20.384 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:119 Resp: 644746
 Ion Ratio Lower Upper
 119 100
 134 20.4 10.9 32.6
 91 28.9 13.9 41.6

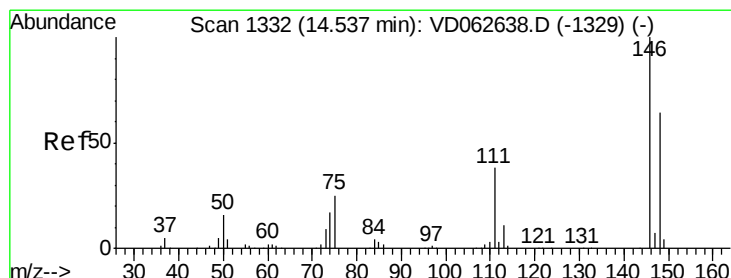
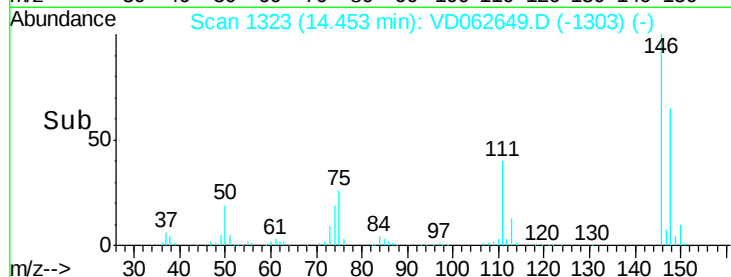
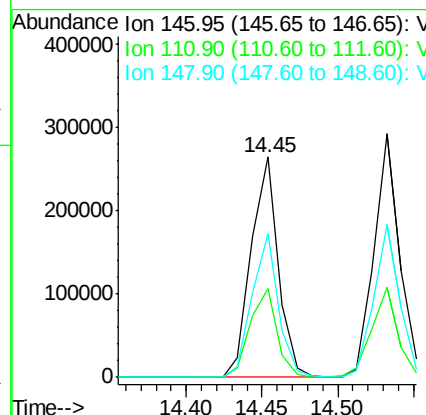
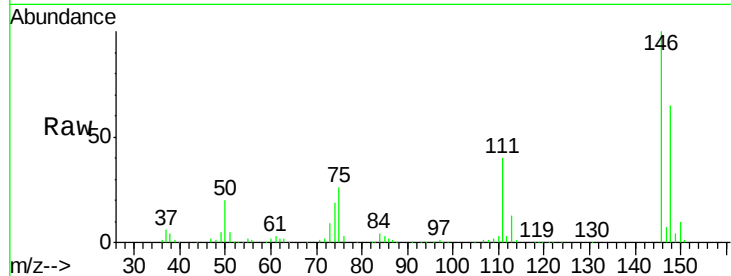




#87
 1,3-Dichlorobenzene
 Concen: 20.014 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

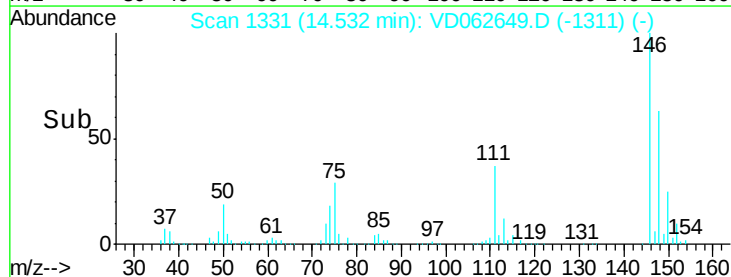
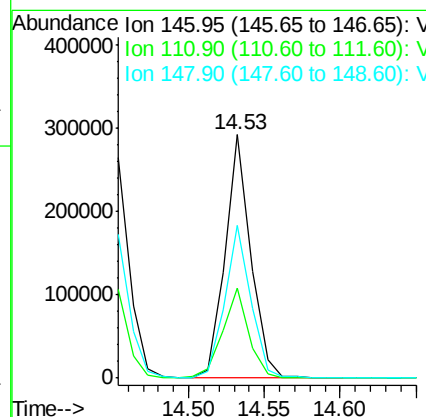
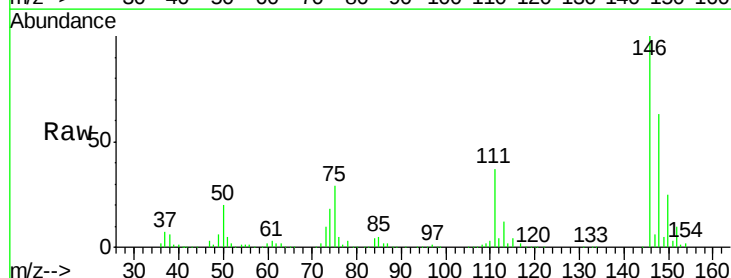
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

Tgt Ion:146 Resp: 329354
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.2 57.6
 148 65.5 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 22.159 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:146 Resp: 344622
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 62.9 32.3 96.8





#89

n-Butylbenzene

Concen: 21.589 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062649.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBSD01

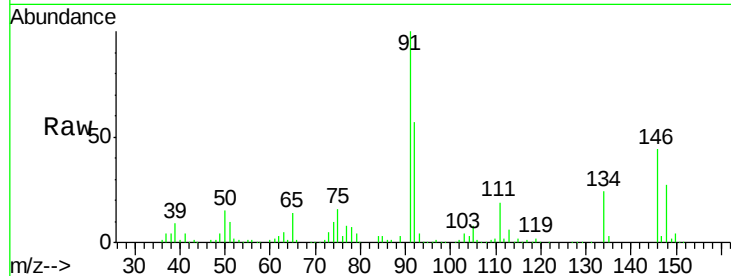
Tgt Ion: 91 Resp: 614297

Ion Ratio Lower Upper

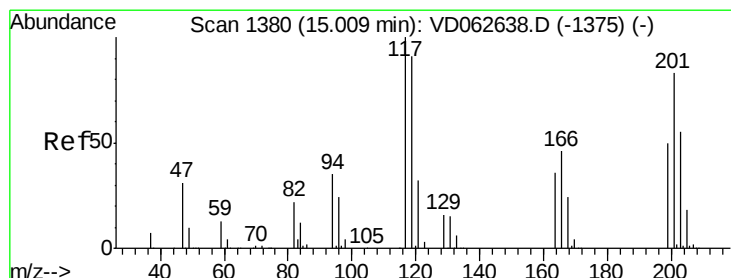
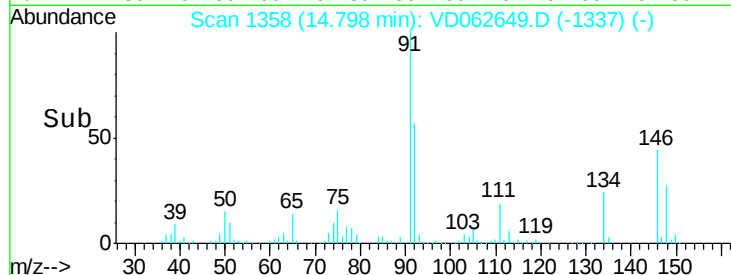
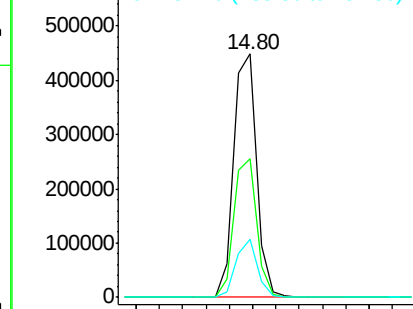
91 100

92 56.8 29.4 88.3

134 23.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.220 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062649.D

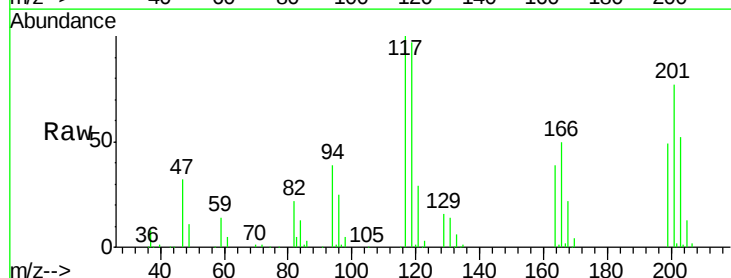
Acq: 10 Jun 2019 13:17

Tgt Ion: 117 Resp: 168841

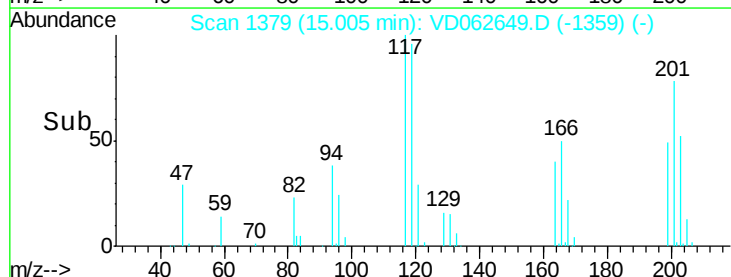
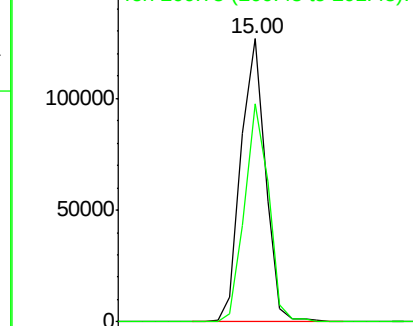
Ion Ratio Lower Upper

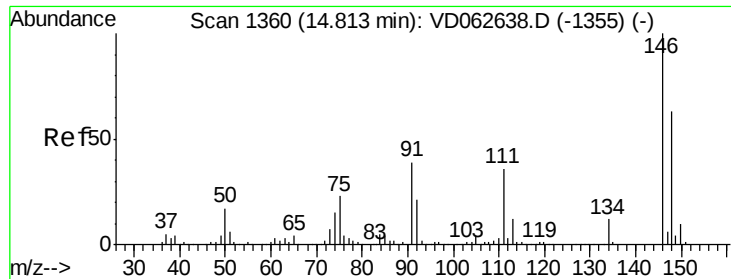
117 100

201 77.1 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

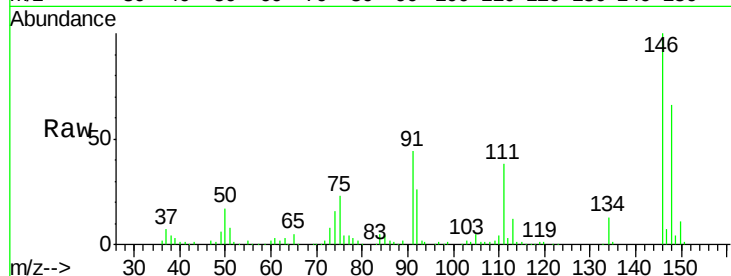




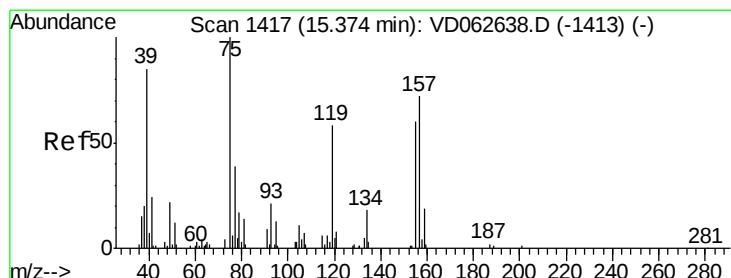
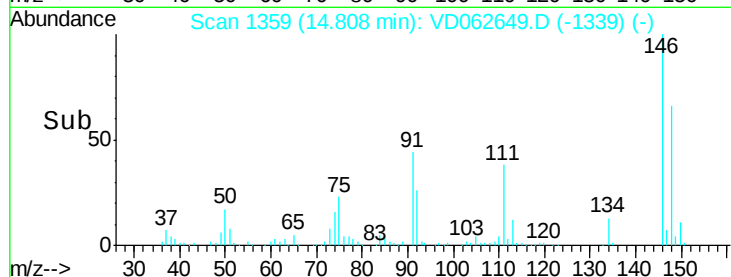
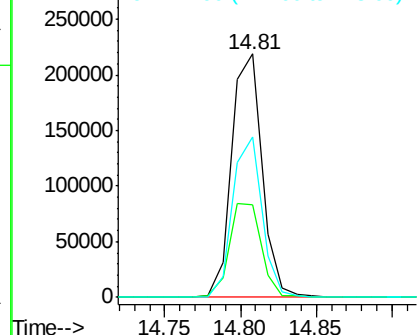
#91
 1,2-Dichlorobenzene
 Concen: 22.337 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

Tgt Ion: 146 Resp: 305550
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.1 54.3
 148 66.0 31.4 94.0

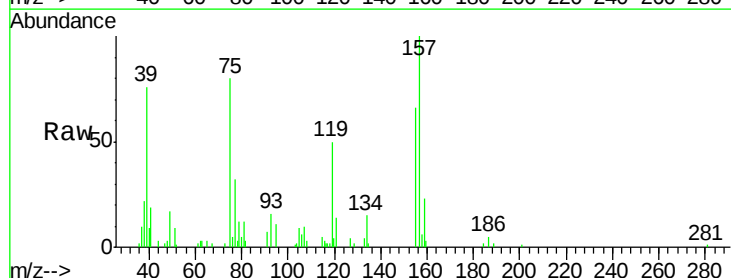


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

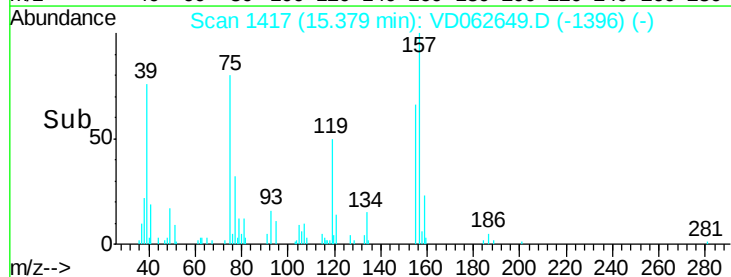
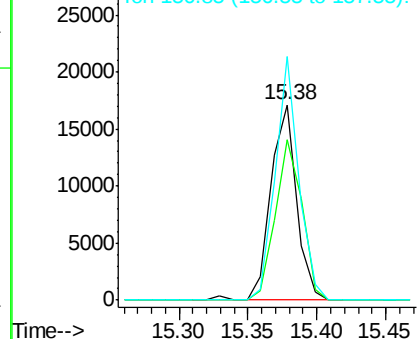


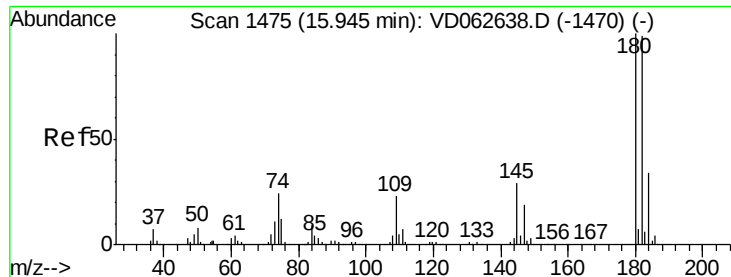
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.132 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 22224
 Ion Ratio Lower Upper
 75 100
 155 82.1 30.1 90.5
 157 124.6 35.9 107.8#



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

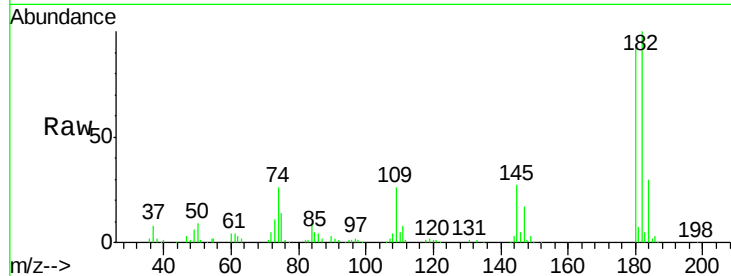




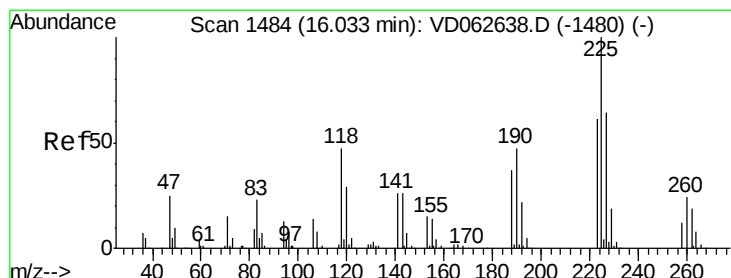
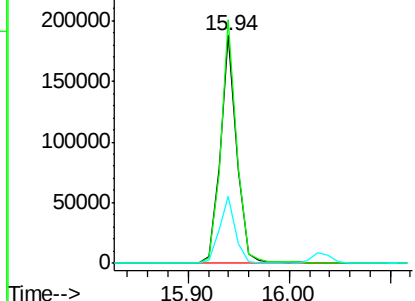
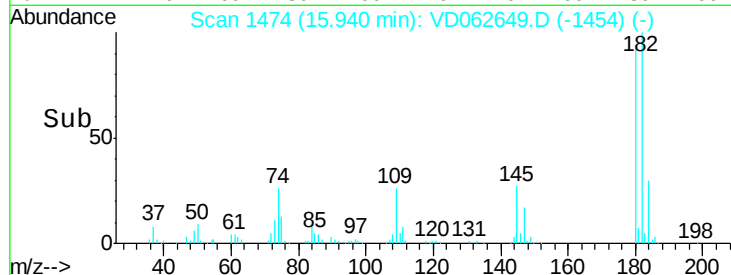
#93
 1,2,4-Trichlorobenzene
 Concen: 20.790 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBSD01

Tgt Ion:180 Resp: 215204
 Ion Ratio Lower Upper
 180 100
 182 106.9 49.4 148.2
 145 29.1 14.5 43.6

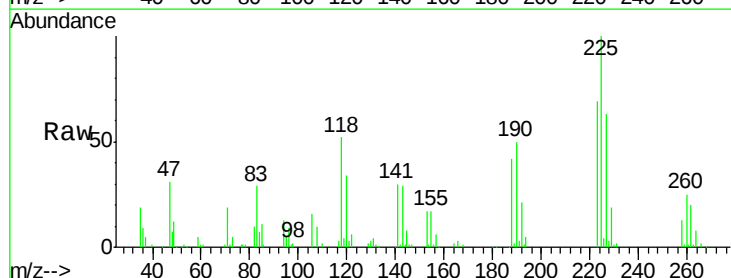


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

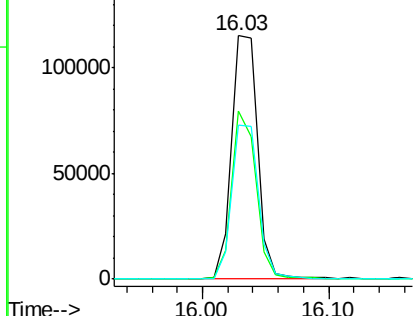
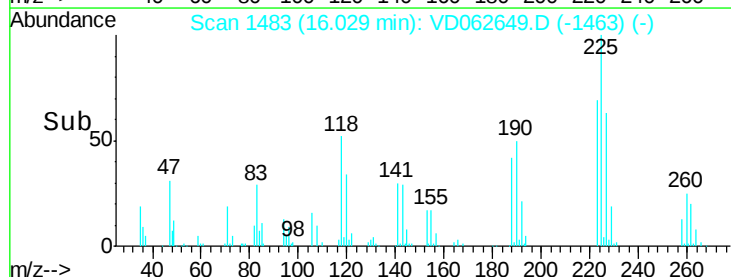


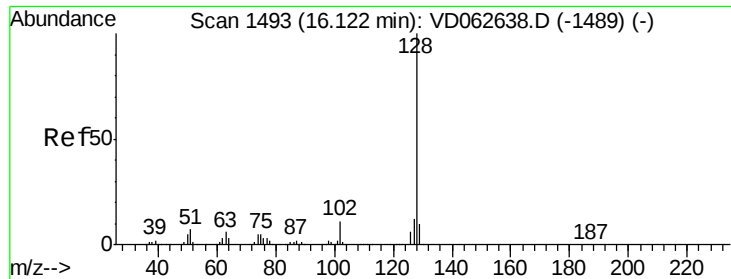
#94
 Hexachlorobutadiene
 Concen: 20.246 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD062649.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:225 Resp: 163512
 Ion Ratio Lower Upper
 225 100
 223 68.8 30.3 91.0
 227 63.3 31.8 95.4



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

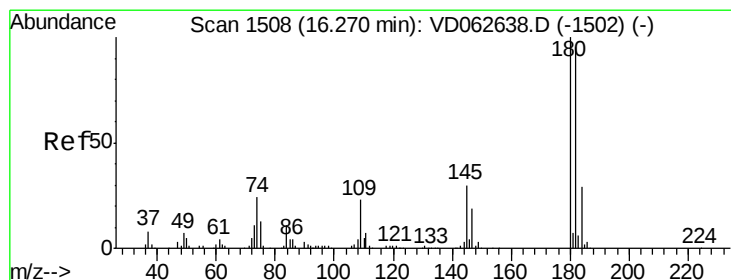
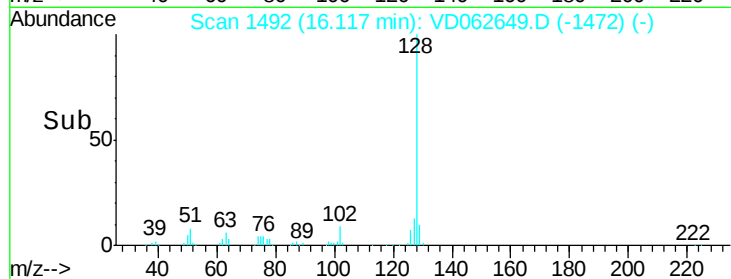
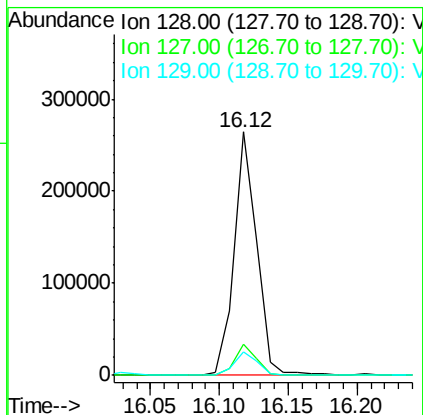
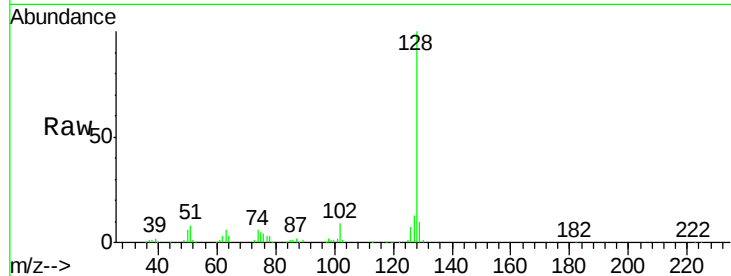




#95
Naphthalene
Concen: 20.602 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBSD01

Tgt Ion:128 Resp: 301424
Ion Ratio Lower Upper
128 100
127 12.6 9.7 14.5
129 9.8 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062649.D
Acq: 10 Jun 2019 13:17

Tgt Ion:180 Resp: 160006
Ion Ratio Lower Upper
180 100
182 104.8 47.7 143.1
145 30.3 15.0 45.0

