

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
 Data File : VD059623.D
 Acq On : 27 Jul 2018 20:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 01:29:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	119449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	152687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	135029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	67306	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	79237	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	5.51	113	72103	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
50) Toluene-d8	8.69	98	149996	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.92	95	70273	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.31	85	70329	53.868	ug/l	95
3) Chloromethane	1.46	50	28167	37.729	ug/l	94
4) Vinyl Chloride	1.52	62	36890	47.483	ug/l	96
5) Bromomethane	1.75	94	10944	73.425	ug/l	88
6) Chloroethane	1.83	64	20649	90.854	ug/l	93
7) Trichlorofluoromethane	2.05	101	80394	60.655	ug/l	96
8) Diethyl Ether	2.31	74	12525	49.984	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.52	101	41451	59.353	ug/l	92
10) Methyl Iodide	2.66	142	46331	51.081	ug/l	96
11) Tert butyl alcohol	3.23	59	16745	279.511	ug/l #	89
12) 1,1-Dichloroethene	2.51	96	30542	60.333	ug/l	98
13) Acrolein	2.44	56	9030	292.575	ug/l #	74
14) Allyl chloride	2.88	41	63748	51.936	ug/l	96
15) Acrylonitrile	3.31	53	39055	300.591	ug/l	98
16) Acetone	2.58	43	57618	254.068	ug/l	99
17) Carbon Disulfide	2.71	76	96633	48.059	ug/l	98
18) Methyl Acetate	2.90	43	25851	57.003	ug/l	95
19) Methyl tert-butyl Ether	3.36	73	99074	58.391	ug/l	99
20) Methylene Chloride	3.03	84	32996	51.027	ug/l	92
21) trans-1,2-Dichloroethene	3.34	96	31418	57.556	ug/l	96
22) Diisopropyl ether	4.03	45	160176	49.627	ug/l	100
23) Vinyl Acetate	3.97	43	511045	249.479	ug/l	100
24) 1,1-Dichloroethane	3.92	63	107605	52.811	ug/l	97
25) 2-Butanone	4.80	43	83987	242.854	ug/l	99
26) 2,2-Dichloropropane	4.75	77	109935	52.683	ug/l	95
27) cis-1,2-Dichloroethene	4.76	96	58650	53.791	ug/l	95
28) Bromochloromethane	5.11	49	44048	54.635	ug/l #	96
29) Tetrahydrofuran	5.15	42	38566	240.842	ug/l	97
30) Chloroform	5.28	83	135945	55.784	ug/l	99
31) Cyclohexane	5.56	56	67751	52.046	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	130216	55.192	ug/l	98
36) 1,1-Dichloropropene	5.71	75	81798	53.388	ug/l	99
37) Ethyl Acetate	4.89	43	45393	57.595	ug/l	99
38) Carbon Tetrachloride	5.69	117	117697	56.099	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	72169	51.223	ug/l	96
40) Benzene	5.98	78	166449	52.976	ug/l	98
41) Methacrylonitrile	5.10	41	20191	51.335	ug/l	96
42) 1,2-Dichloroethane	6.10	62	105478	55.719	ug/l	99
43) Isopropyl Acetate	7.59	43	57358	52.483	ug/l	98
44) Trichloroethene	6.95	130	63173	55.434	ug/l	97
45) 1,2-Dichloropropane	7.32	63	44744	50.852	ug/l	100
46) Dibromomethane	7.44	93	41978	56.443	ug/l	99
47) Bromodichloromethane	7.71	83	105221	59.236	ug/l	98
48) Methyl methacrylate	7.49	41	40478	55.848	ug/l	95
49) 1,4-Dioxane	7.47	88	7369	1084.967	ug/l	97
51) 4-Methyl-2-Pentanone	8.58	43	191605	262.542	ug/l	99
52) Toluene	8.77	92	108879	52.260	ug/l	92
53) t-1,3-Dichloropropene	9.17	75	85180	53.166	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	85392	53.672	ug/l	96
55) 1,1,2-Trichloroethane	9.43	97	42585	54.407	ug/l	95
56) Ethyl methacrylate	9.30	69	48490	54.603	ug/l	100
57) 1,3-Dichloropropane	9.64	76	68770	55.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.16	63	113523	272.061	ug/l	100
59) 2-Hexanone	9.77	43	146199	252.205	ug/l	99
60) Dibromochloromethane	9.94	129	71895	55.329	ug/l	95
61) 1,2-Dibromoethane	10.07	107	48938	52.761	ug/l	99
64) Tetrachloroethene	9.49	164	59824	48.890	ug/l	95
65) Chlorobenzene	10.71	112	136609	49.353	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.83	131	62042	51.528	ug/l	98
67) Ethyl Benzene	10.84	91	229704	48.275	ug/l	96
68) m/p-Xylenes	11.00	106	143839	90.514	ug/l	93
69) o-Xylene	11.39	106	70556	45.756	ug/l	89
70) Styrene	11.42	104	121580	47.553	ug/l	97
71) Bromoform	11.59	173	51698	52.730	ug/l #	98
73) Isopropylbenzene	11.76	105	229278	48.220	ug/l	99
74) N-amyl acetate	11.64	43	79241	48.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	51022	52.559	ug/l	94
76) 1,2,3-Trichloropropane	12.10	75	57906	52.025	ug/l	98
77) Bromobenzene	12.03	156	67226	48.298	ug/l	88
78) n-propylbenzene	12.14	91	279076	48.306	ug/l	95
79) 2-Chlorotoluene	12.21	91	168290	48.859	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	183001	48.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	14260	50.110	ug/l	95
82) 4-Chlorotoluene	12.32	91	197214	50.630	ug/l	91
83) tert-Butylbenzene	12.57	119	198576	46.986	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	190304	47.688	ug/l	100
85) sec-Butylbenzene	12.75	105	231855	48.008	ug/l	97
86) p-Isopropyltoluene	12.88	119	194719	47.840	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	112329	47.716	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	115606	50.972	ug/l	97
89) n-Butylbenzene	13.19	91	193496	49.240	ug/l	97
90) Hexachloroethane	13.39	117	52305	48.092	ug/l	88
91) 1,2-Dichlorobenzene	13.18	146	91449	46.298	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	11315	57.816	ug/l	73

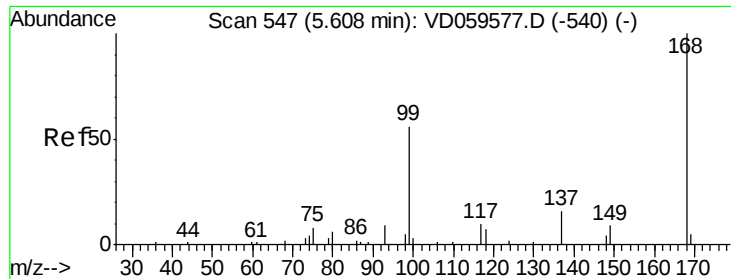
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	83791	51.226	ug/l	96
94) Hexachlorobutadiene	14.43	225	69257	53.677	ug/l	98
95) Naphthalene	14.51	128	112676	48.436	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	73423	49.606	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

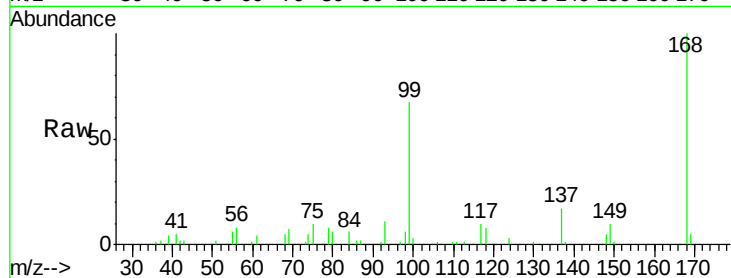
ClientSampleId :

Tot Ion:168 Resp: 119449

Ion Ratio Lower Upper

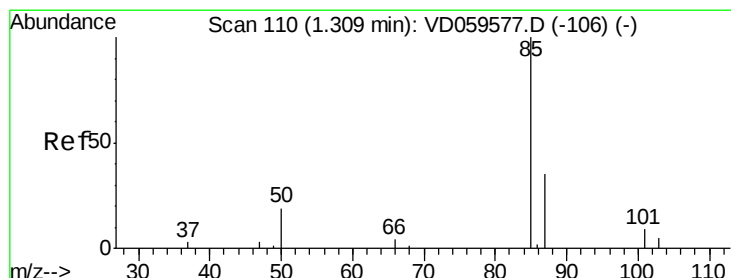
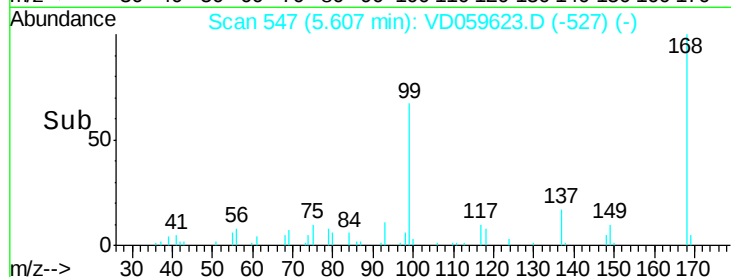
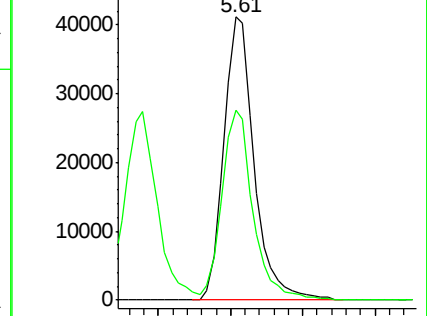
168 100

99 67.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.868 ug/l

RT: 1.31 min Scan# 110

Delta R.T. -0.00 min

Lab File: VD059623.D

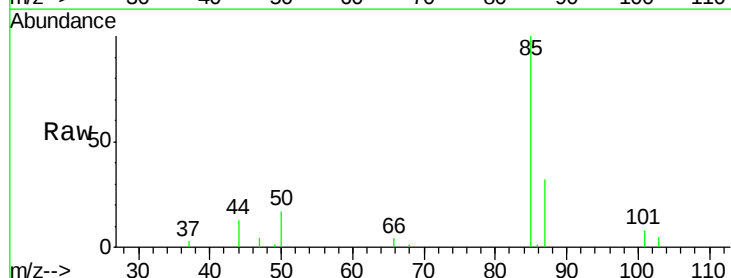
Acq: 27 Jul 2018 20:49

Tgt Ion: 85 Resp: 70329

Ion Ratio Lower Upper

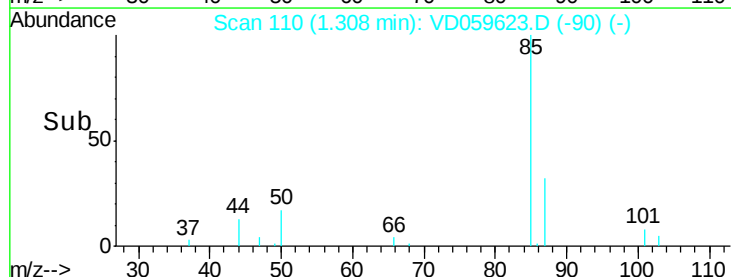
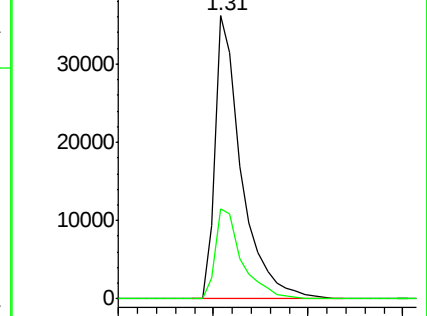
85 100

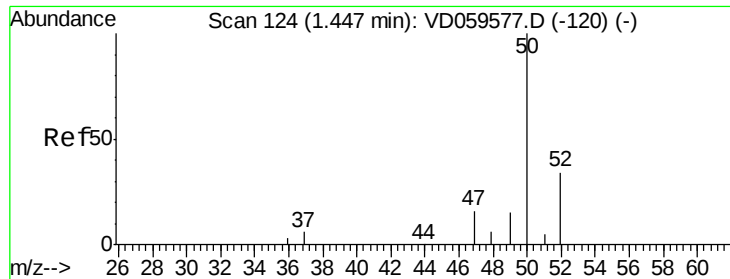
87 31.9 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 37.729 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

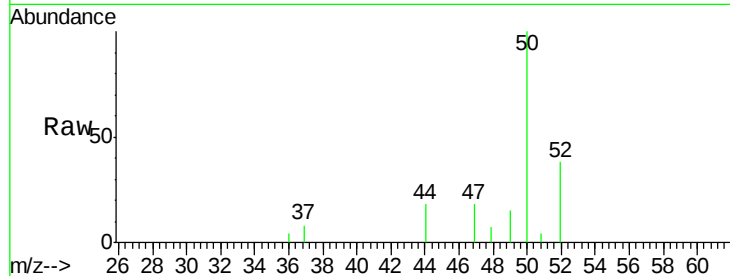
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 28167

Ion Ratio Lower Upper

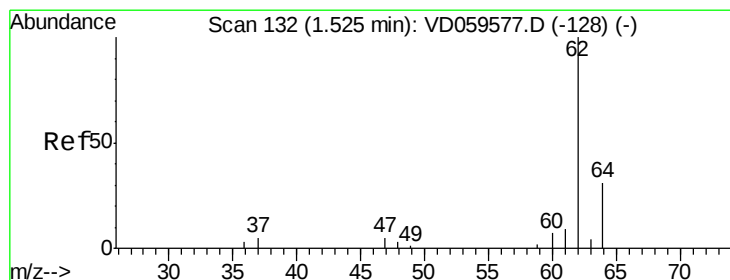
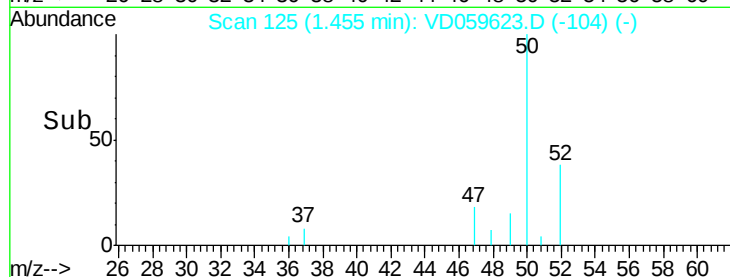
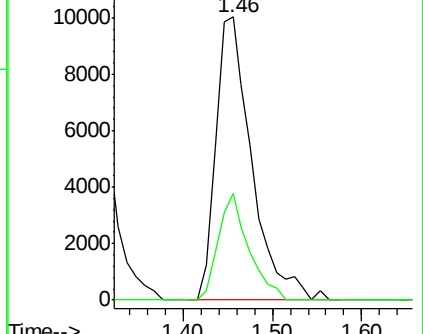
50 100

52 37.6 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.483 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059623.D

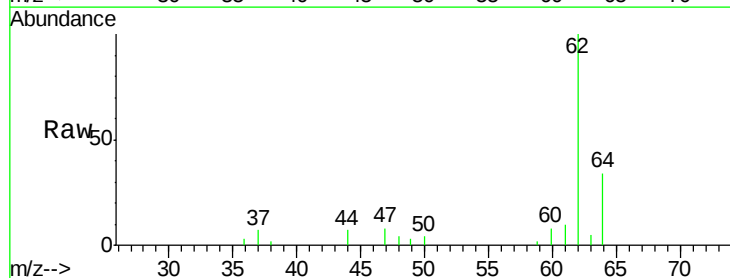
Acq: 27 Jul 2018 20:49

Tgt Ion: 62 Resp: 36890

Ion Ratio Lower Upper

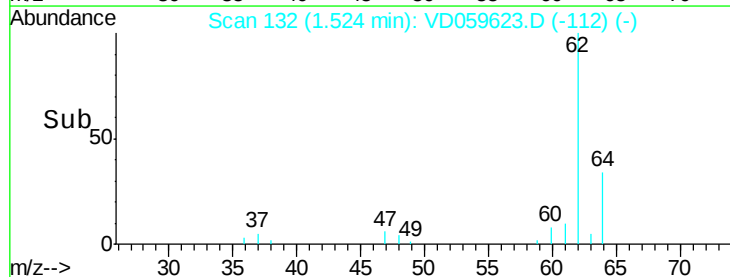
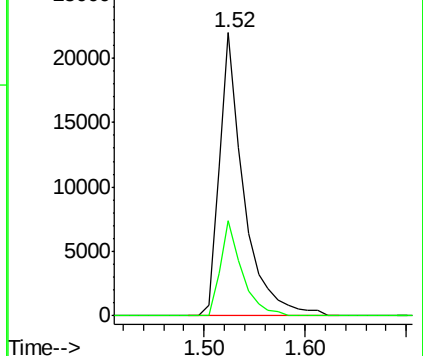
62 100

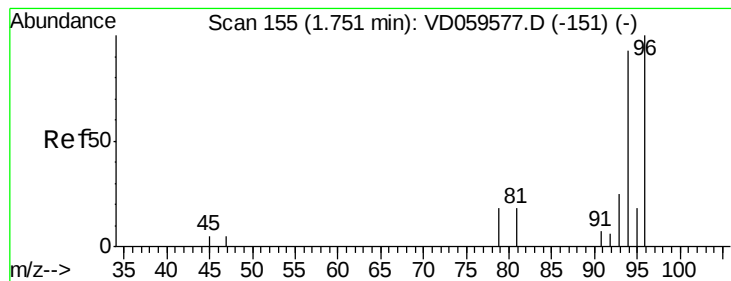
64 33.5 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 73.425 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

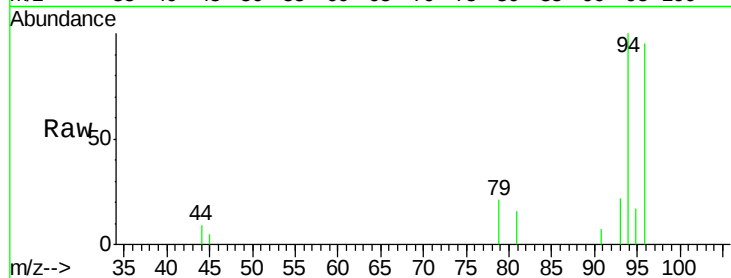
ClientSampleId :

Tot Ion: 94 Resp: 10944

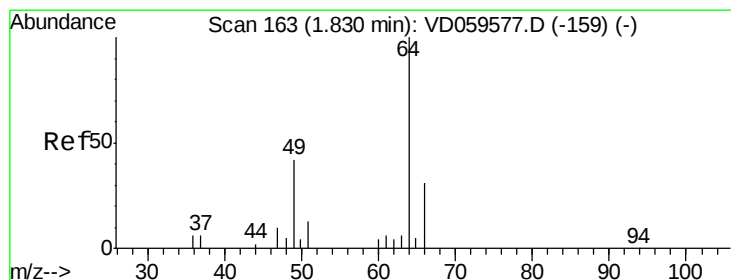
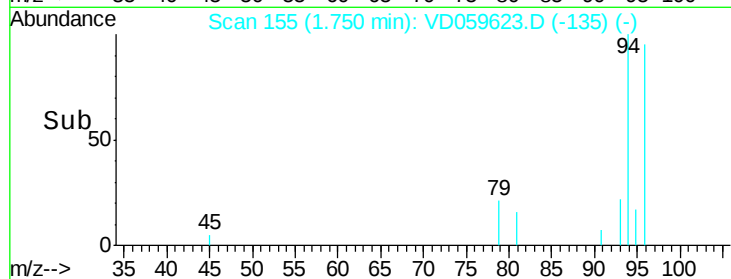
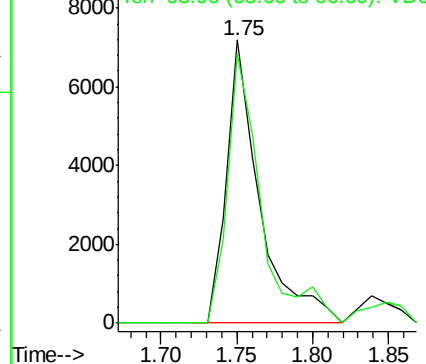
Ion Ratio Lower Upper

94 100

96 95.2 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 90.854 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD059623.D

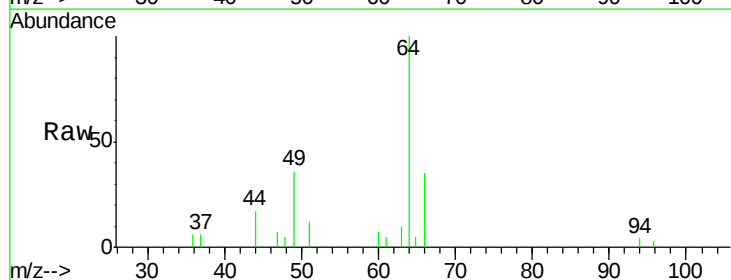
Acq: 27 Jul 2018 20:49

Tgt Ion: 64 Resp: 20649

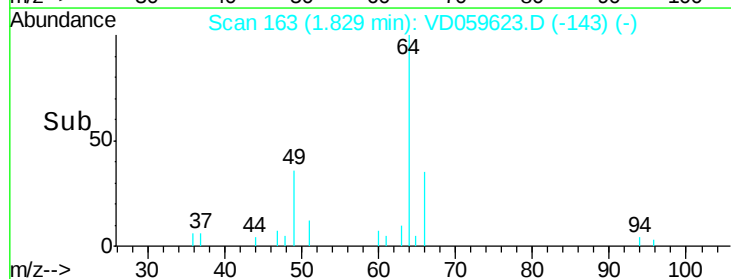
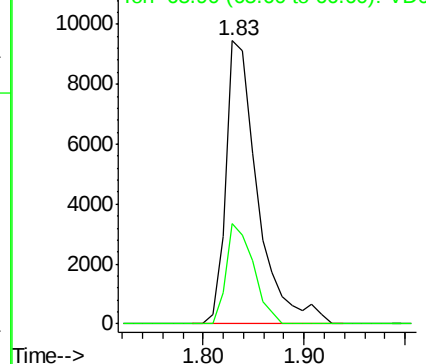
Ion Ratio Lower Upper

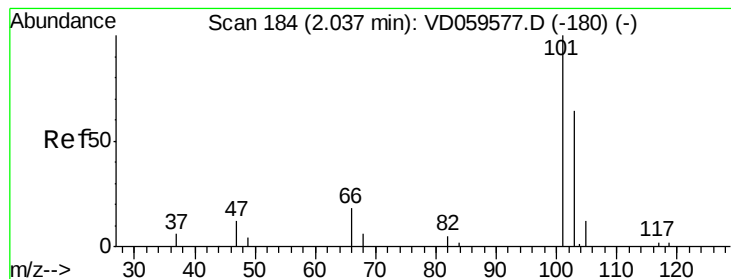
64 100

66 35.4 25.2 37.8



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



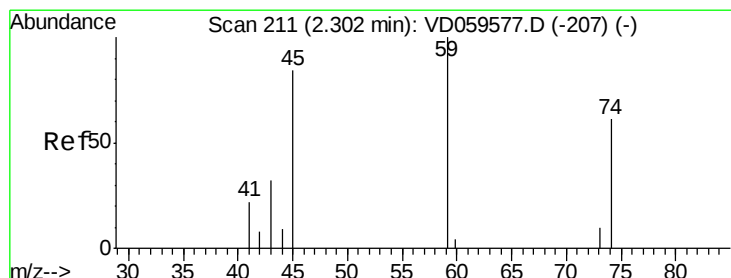
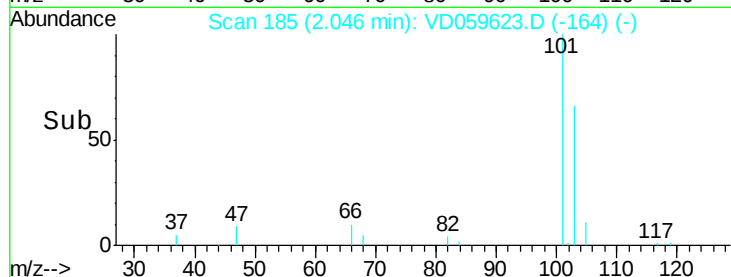
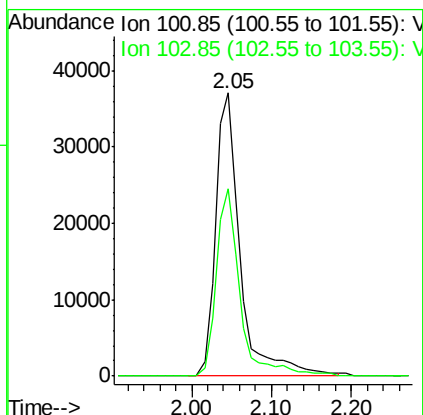
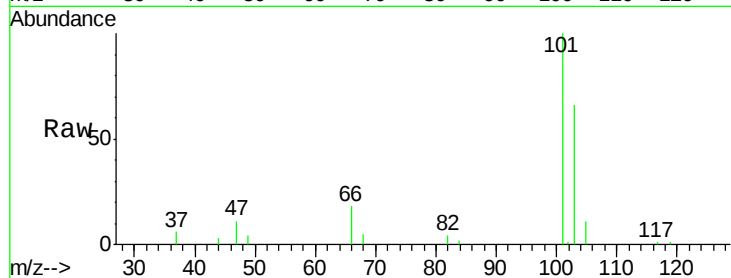


#7

Trichlorofluoromethane
Concen: 60.655 ug/l
RT: 2.05 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

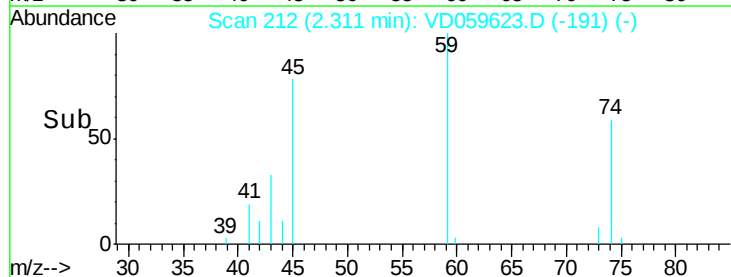
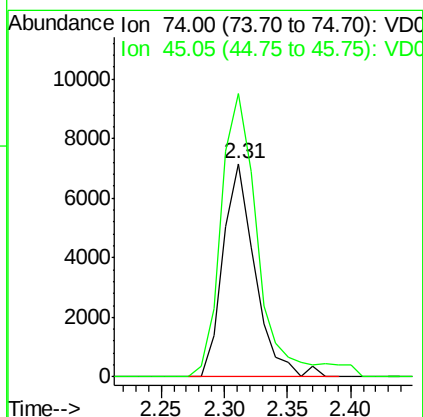
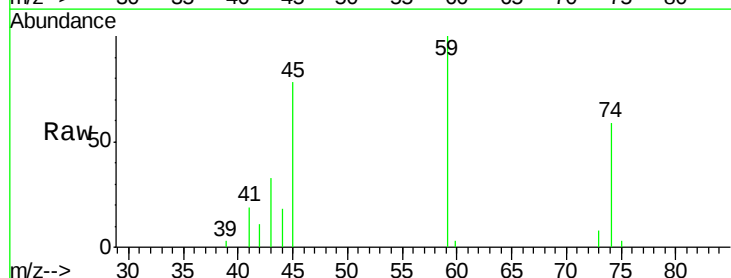
Tot Ion:101 Resp: 80394
Ion Ratio Lower Upper
101 100
103 66.4 50.9 76.3

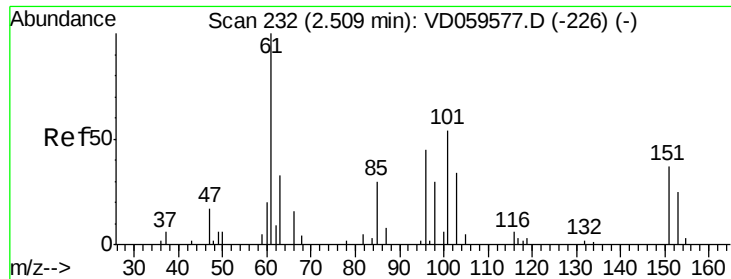


#8

Diethyl Ether
Concen: 49.984 ug/l
RT: 2.31 min Scan# 212
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 74 Resp: 12525
Ion Ratio Lower Upper
74 100
45 132.6 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.353 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

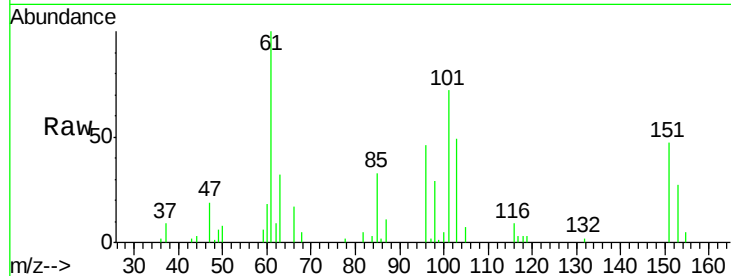
Tot Ion:101 Resp: 41451

Ion Ratio Lower Upper

101 100

85 46.2 44.5 66.7

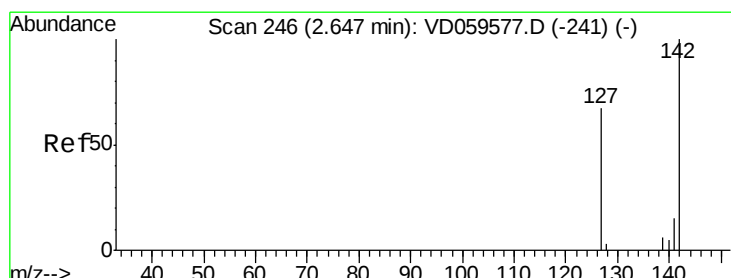
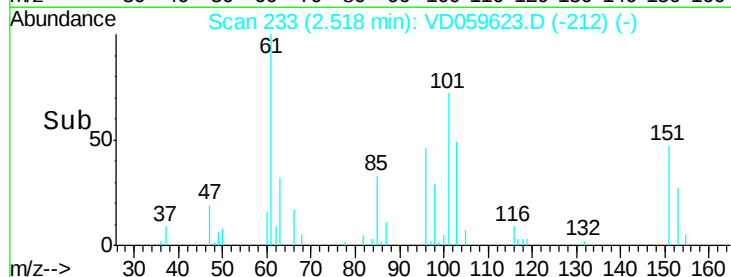
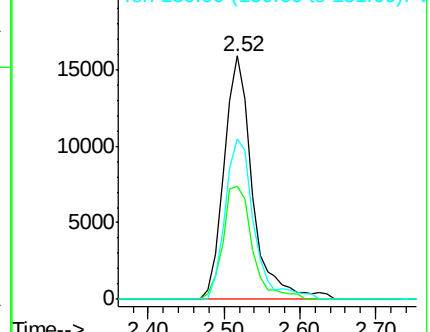
151 66.0 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.081 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

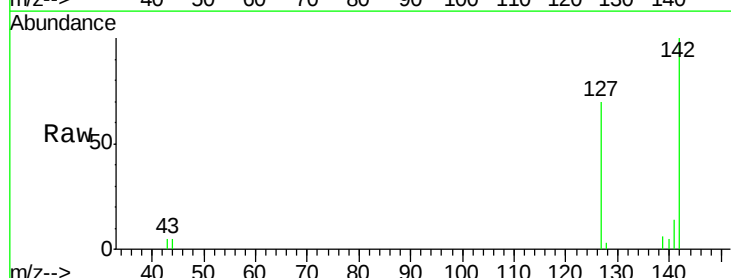
Tgt Ion:142 Resp: 46331

Ion Ratio Lower Upper

142 100

127 70.1 53.6 80.4

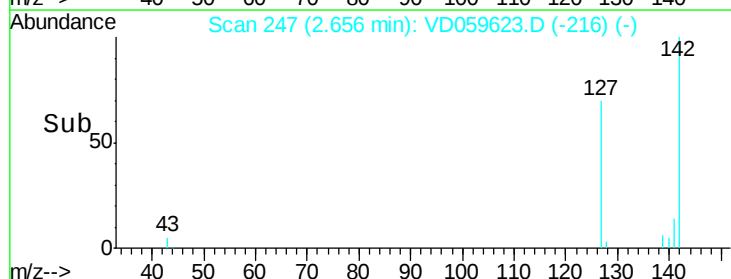
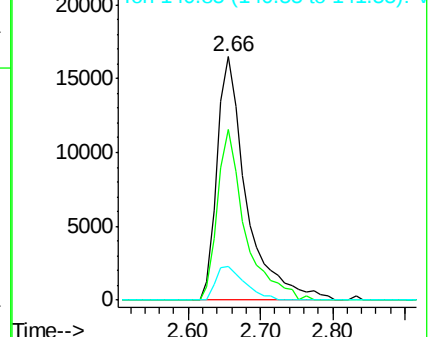
141 14.0 12.2 18.2

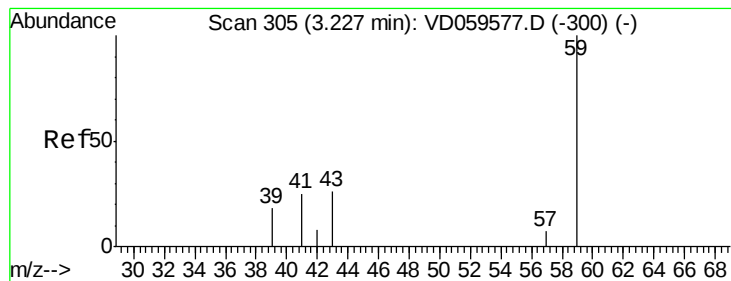


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



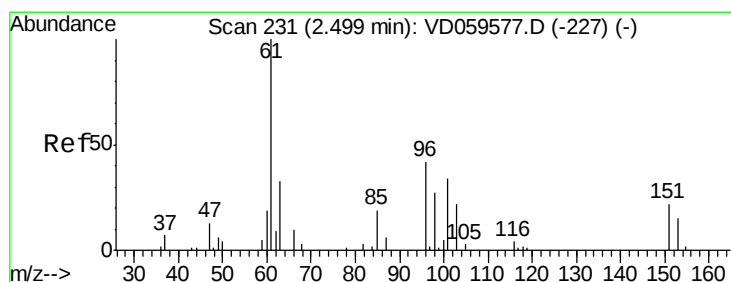
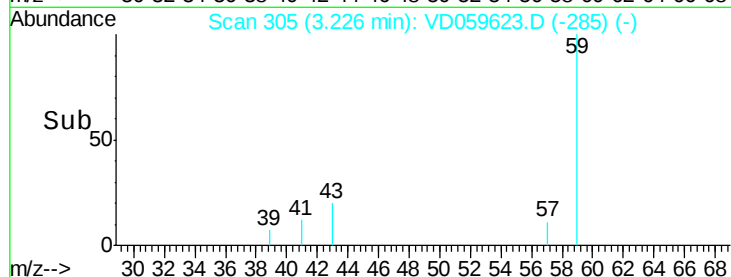
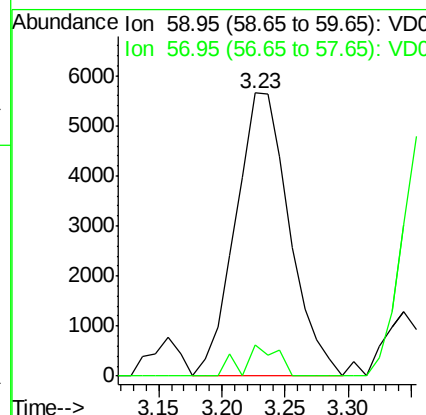
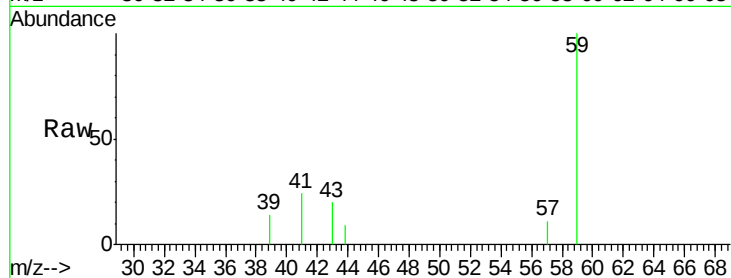


#11

Tert butyl alcohol
Concen: 279.511 ug/l
RT: 3.23 min Scan# 305
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

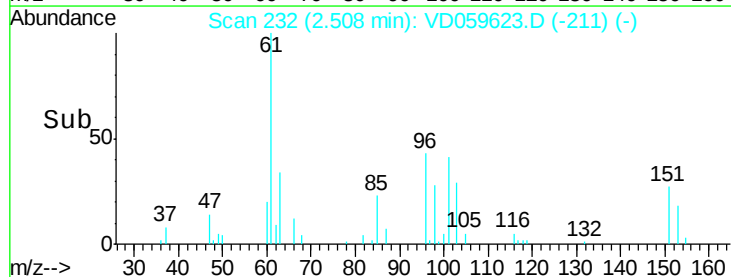
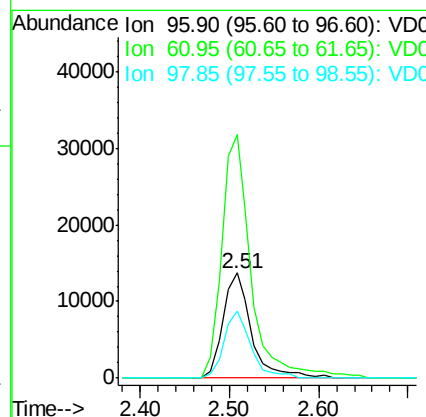
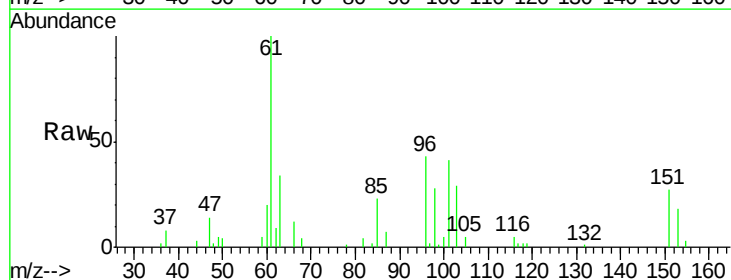
Tot Ion: 59 Resp: 16745
Ion Ratio Lower Upper
59 100
57 10.9 5.5 8.3#

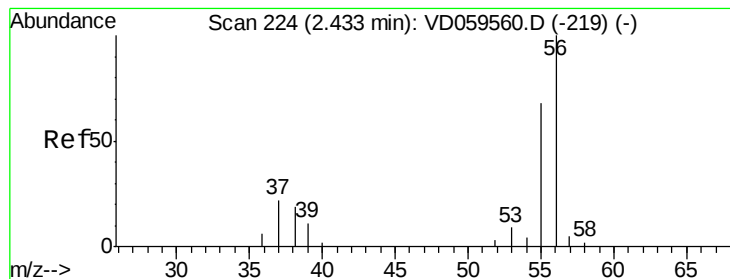


#12

1,1-Dichloroethene
Concen: 60.333 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 96 Resp: 30542
Ion Ratio Lower Upper
96 100
61 232.1 188.8 283.2
98 64.1 51.4 77.2





#13

Acrolein

Concen: 292.575 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

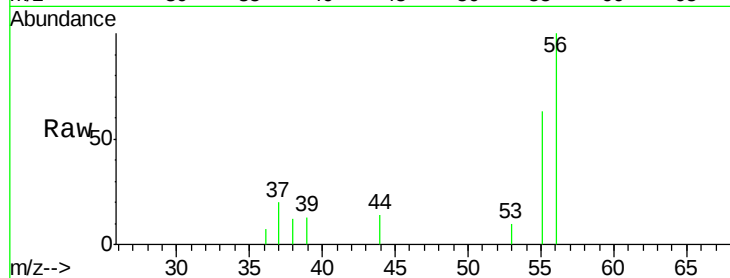
ClientSampled :

Tot Ion: 56 Resp: 9030

Ion Ratio Lower Upper

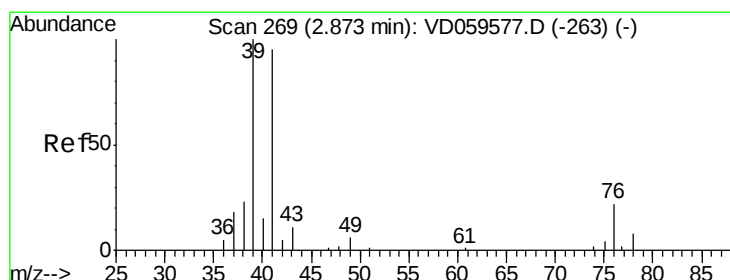
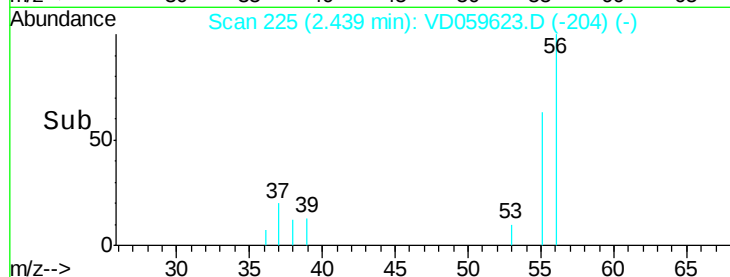
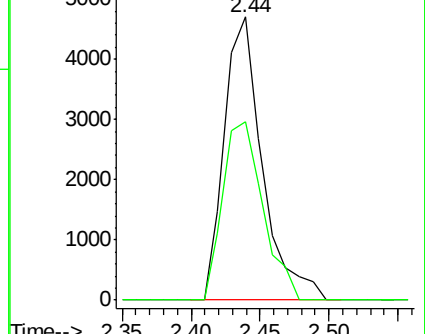
56 100

55 62.9 69.1 103.7#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.936 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

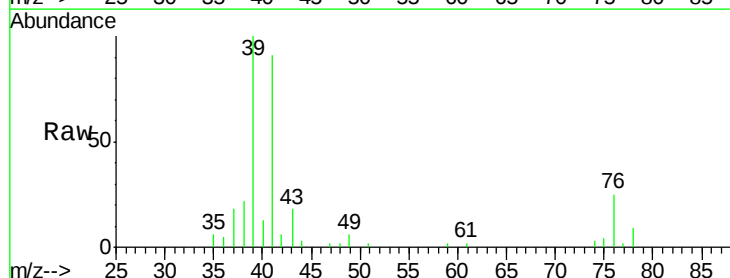
Tgt Ion: 41 Resp: 63748

Ion Ratio Lower Upper

41 100

39 109.6 83.8 125.8

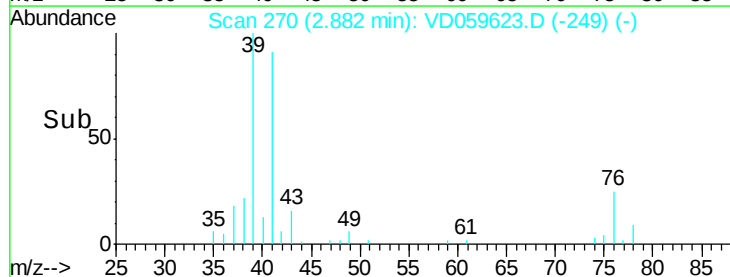
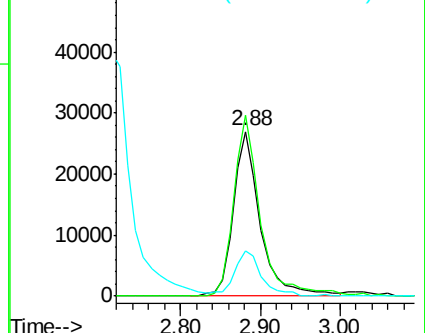
76 27.1 22.2 33.4

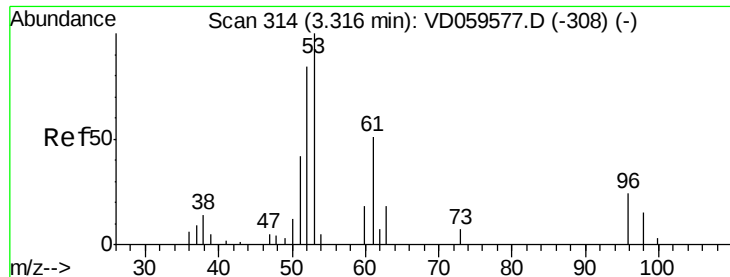


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 300.591 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

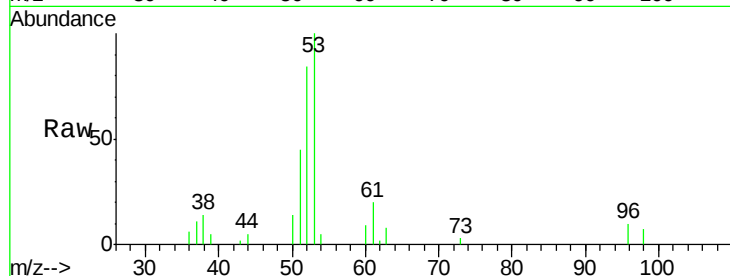
Tot Ion: 53 Resp: 39055

Ion Ratio Lower Upper

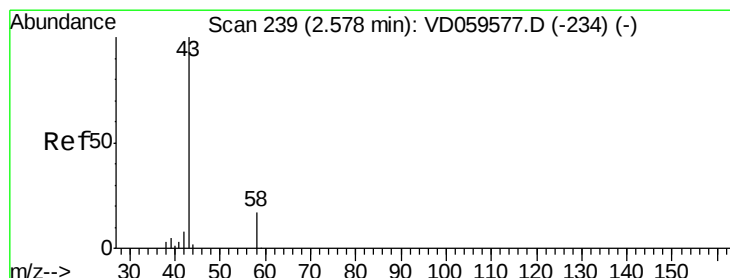
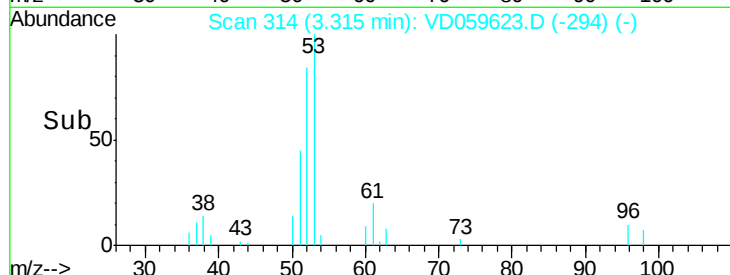
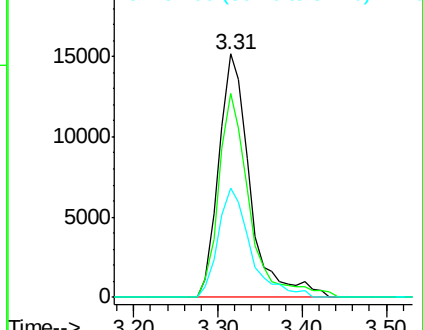
53 100

52 83.6 67.6 101.4

51 44.9 33.7 50.5



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: 254.068 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059623.D

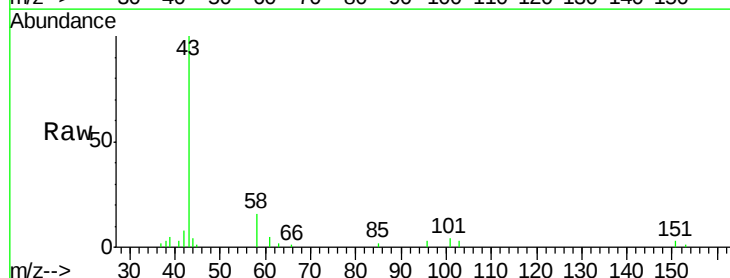
Acq: 27 Jul 2018 20:49

Tgt Ion: 43 Resp: 57618

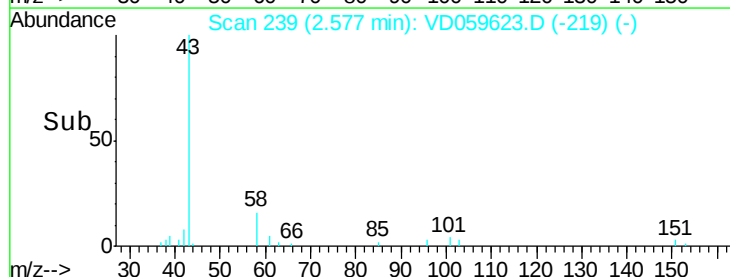
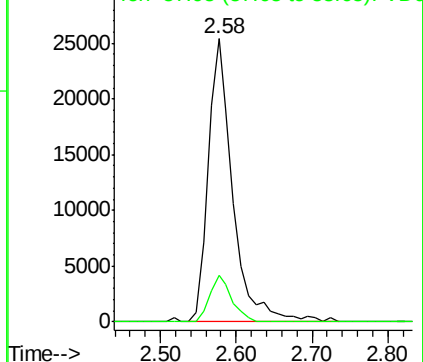
Ion Ratio Lower Upper

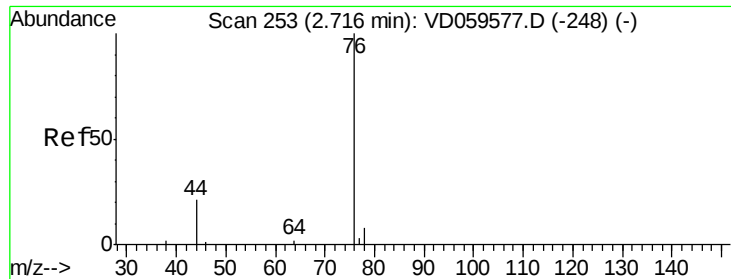
43 100

58 16.5 13.4 20.0



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

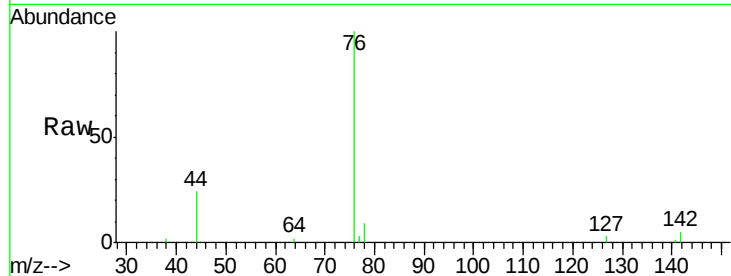




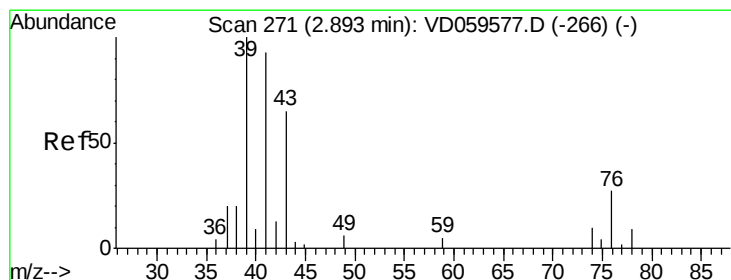
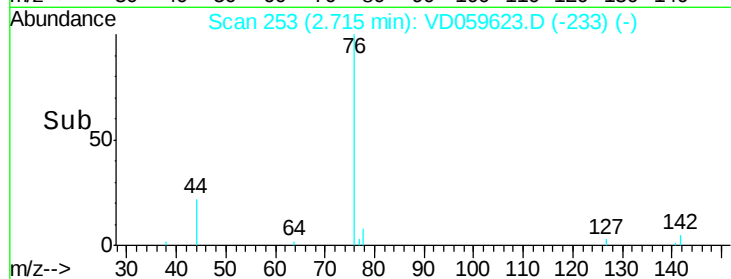
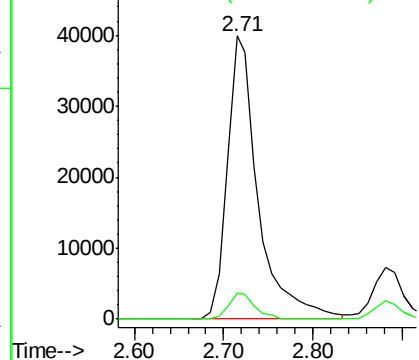
#17
Carbon Disulfide
Concen: 48.059 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 96633
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

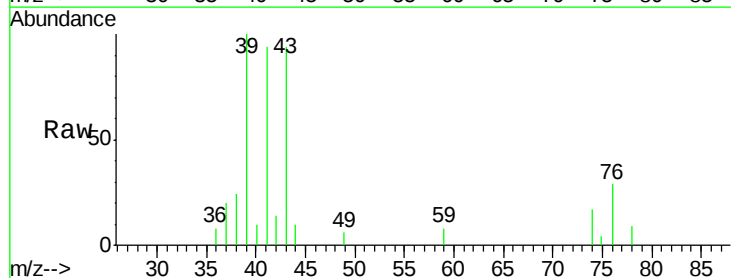


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

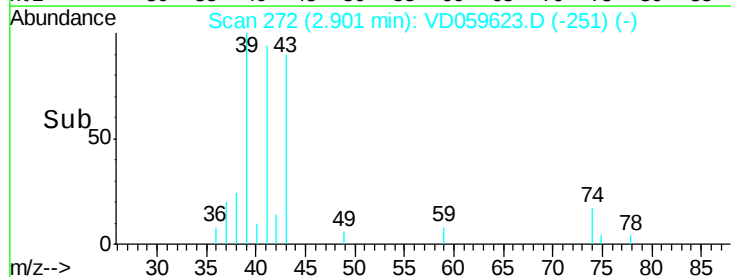
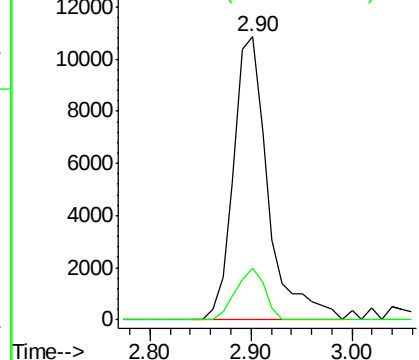


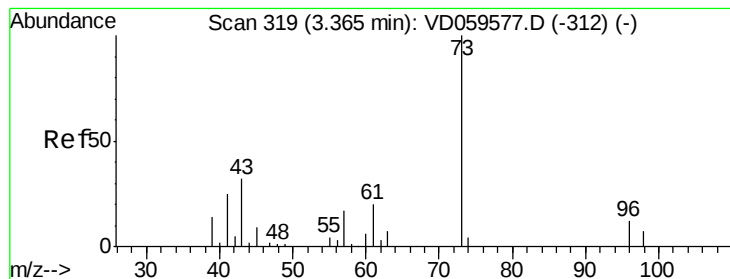
#18
Methyl Acetate
Concen: 57.003 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 43 Resp: 25851
Ion Ratio Lower Upper
43 100
74 18.4 13.0 19.4



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



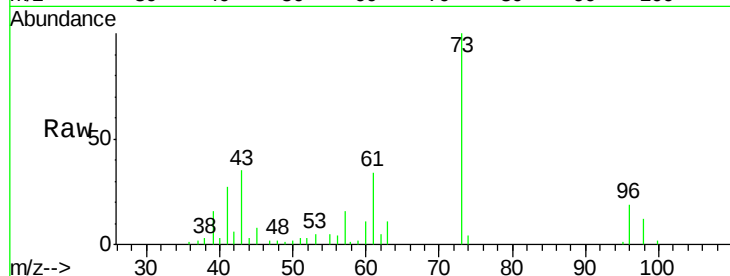


#19

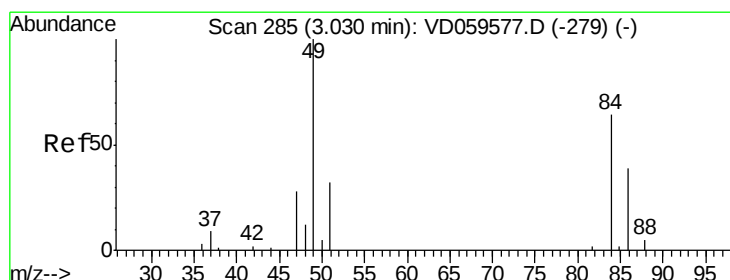
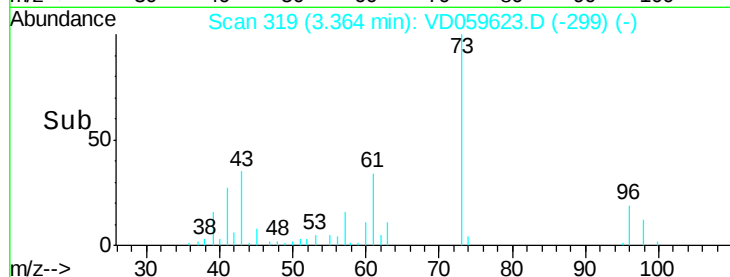
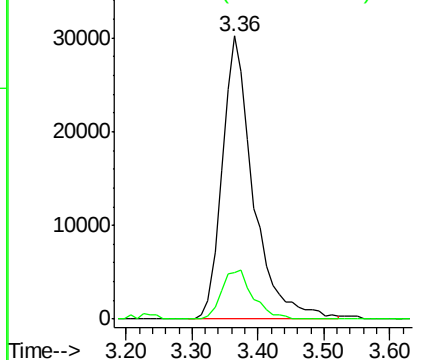
Methyl tert-butyl Ether
 Concen: 58.391 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 99074
 Ion Ratio Lower Upper
 73 100
 57 16.5 13.4 20.2



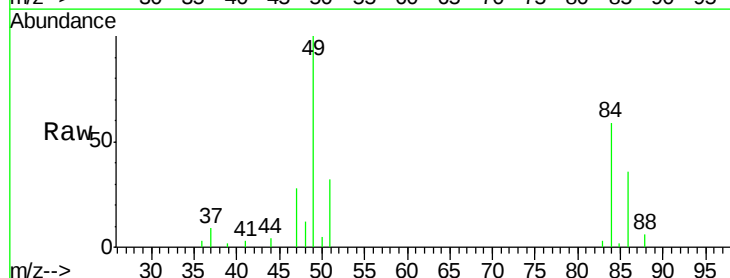
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



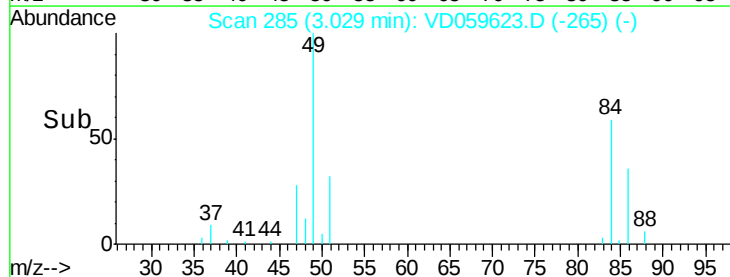
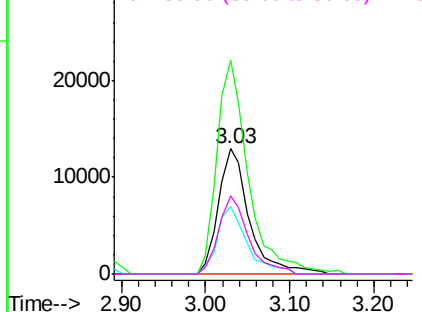
#20

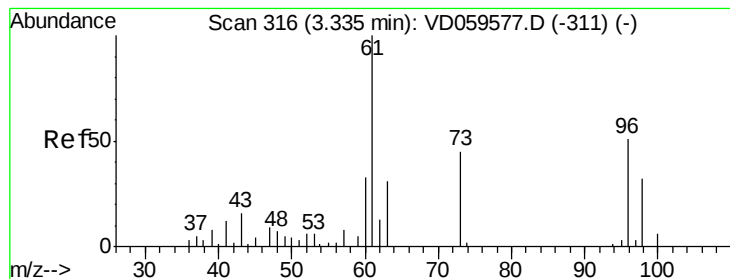
Methylene Chloride
 Concen: 51.027 ug/l
 RT: 3.03 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 84 Resp: 32996
 Ion Ratio Lower Upper
 84 100
 49 170.5 125.4 188.2
 51 54.4 39.7 59.5
 86 62.0 49.1 73.7



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





#21

trans-1,2-Dichloroethene

Concen: 57.556 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

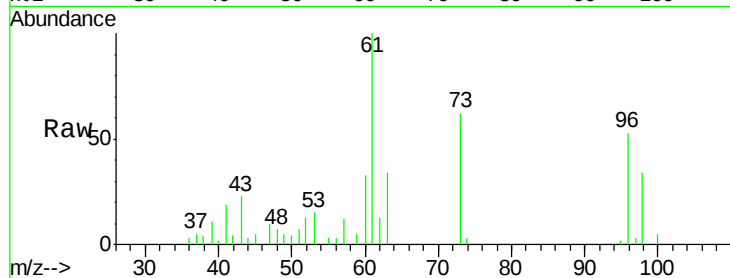
Tot Ion: 96 Resp: 31418

Ion Ratio Lower Upper

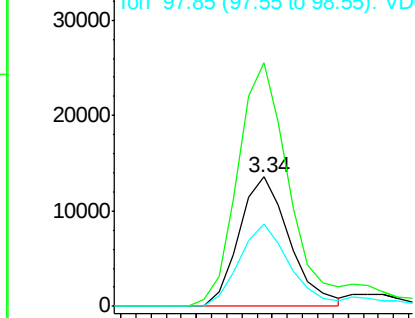
96 100

61 188.5 155.8 233.6

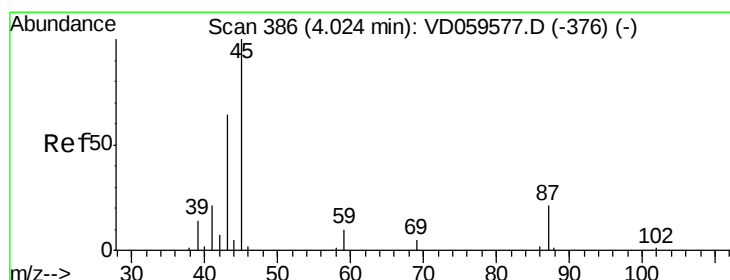
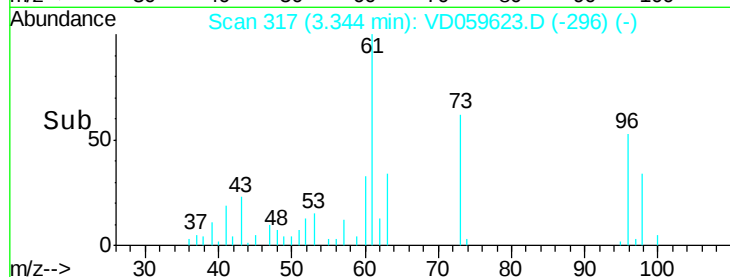
98 63.3 49.1 73.7



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



Time-->



#22

Diisopropyl ether

Concen: 49.627 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Tgt Ion: 45 Resp: 160176

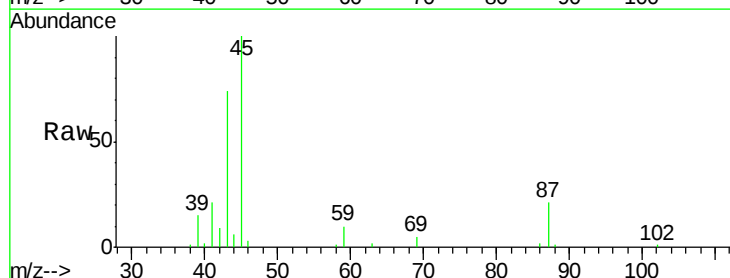
Ion Ratio Lower Upper

45 100

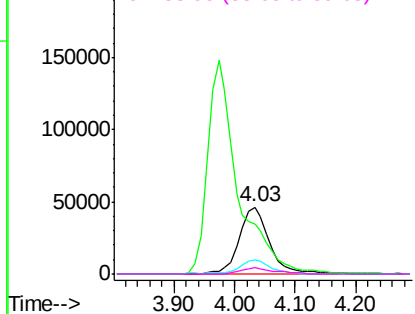
43 74.3 59.4 89.2

87 21.3 16.7 25.1

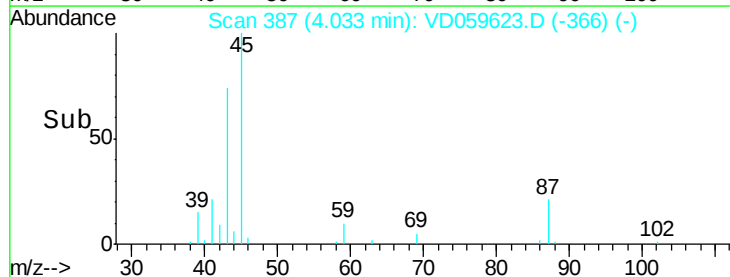
59 9.8 8.2 12.4

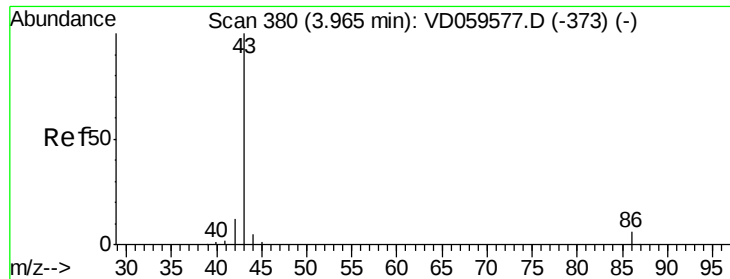


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC



Time-->

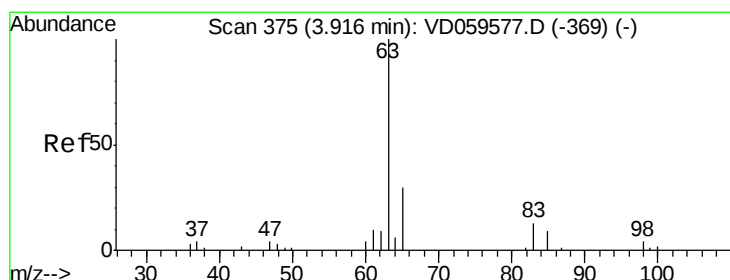
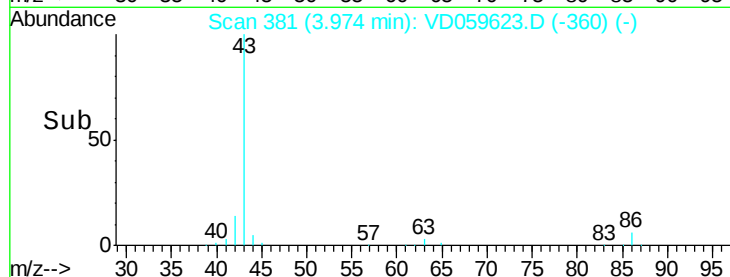
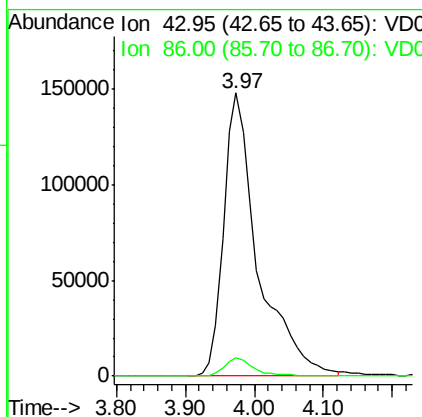
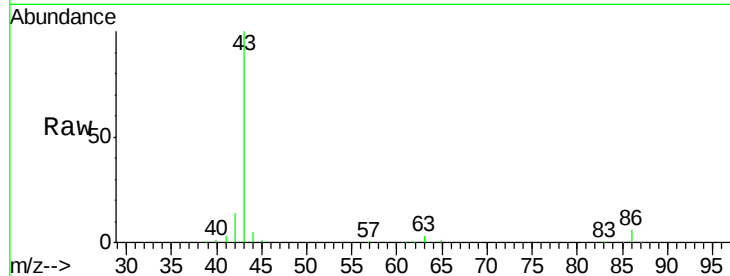




#23
 Vinyl Acetate
 Concen: 249.479 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

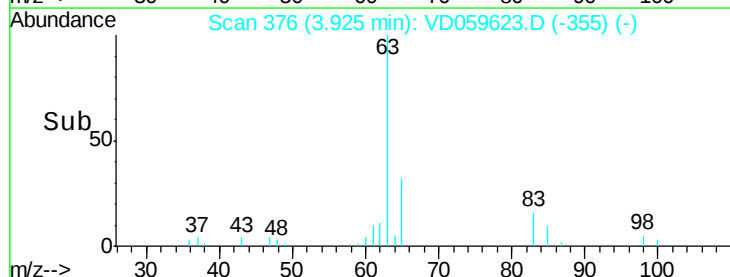
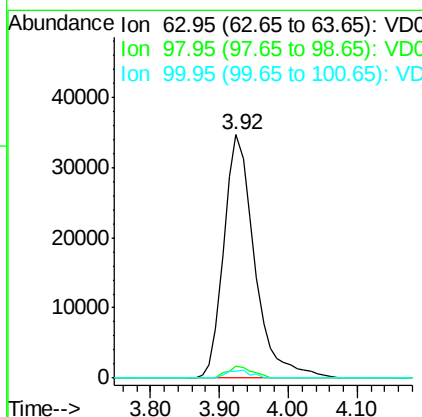
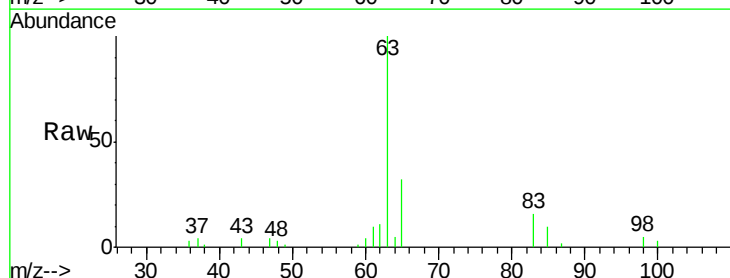
Instrument :
 MSVOA_D
 ClientSampleId :

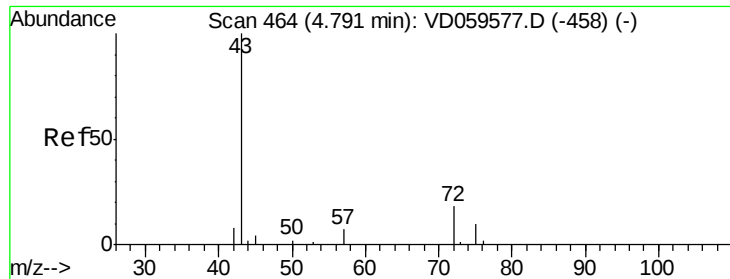
Tot Ion: 43 Resp: 511045
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 52.811 ug/l
 RT: 3.92 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 63 Resp: 107605
 Ion Ratio Lower Upper
 63 100
 98 4.7 1.8 5.5
 100 2.9 1.1 3.3





#25

2-Butanone

Concen: 242.854 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

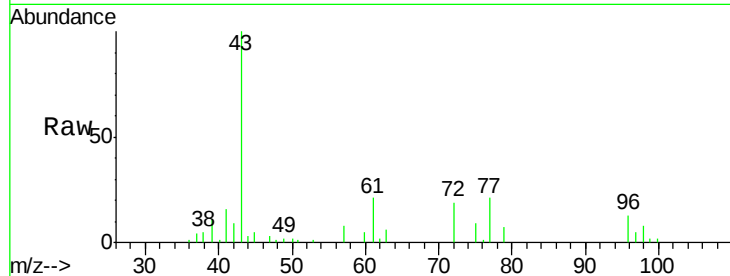
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 83987

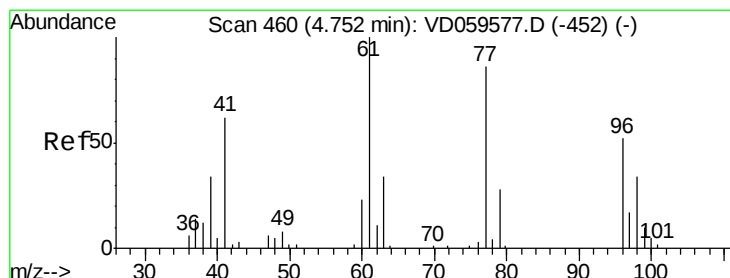
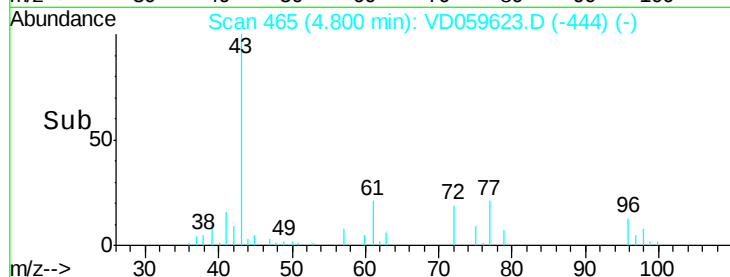
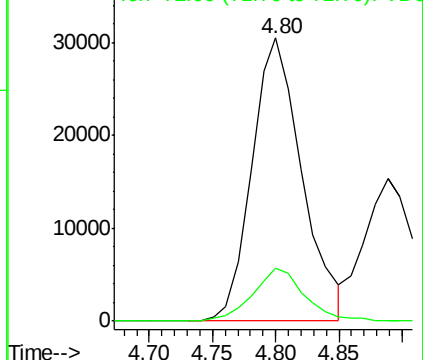
Ion Ratio Lower Upper

43 100

72 18.9 14.7 22.1



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



#26

2,2-Dichloropropane

Concen: 52.683 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059623.D

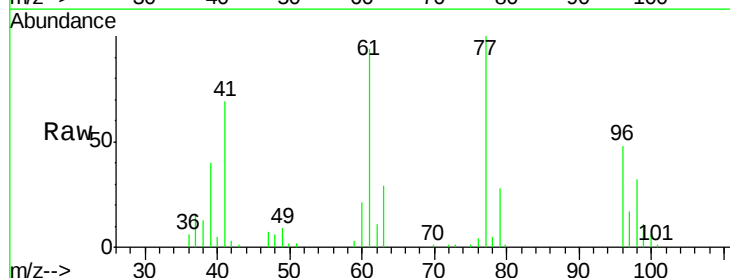
Acq: 27 Jul 2018 20:49

Tgt Ion: 77 Resp: 109935

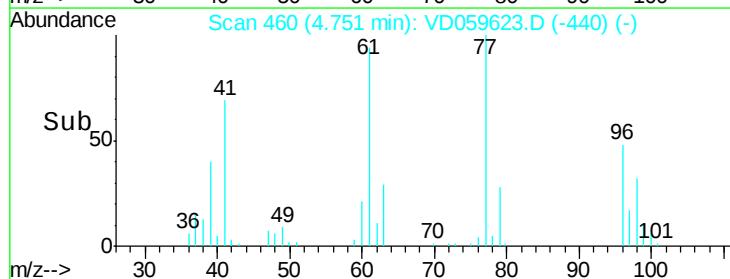
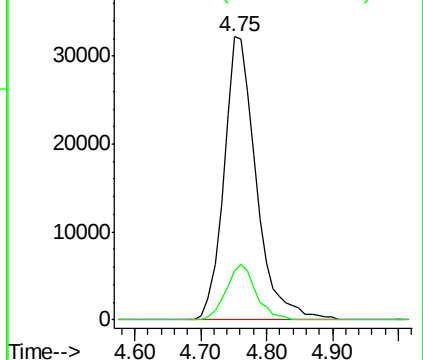
Ion Ratio Lower Upper

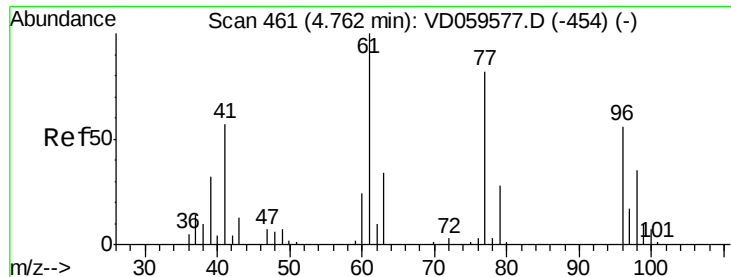
77 100

97 17.2 9.7 29.1



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



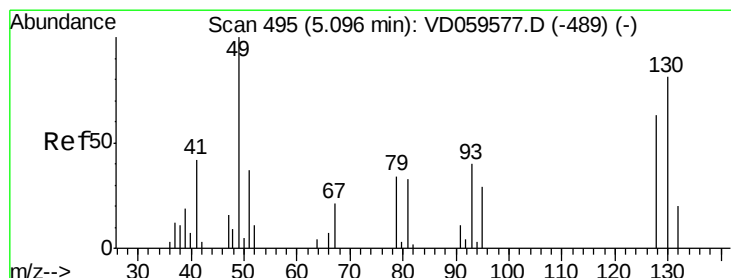
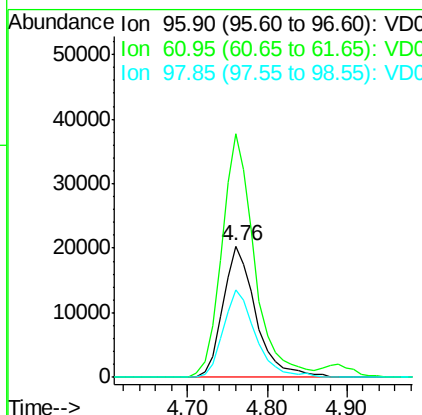
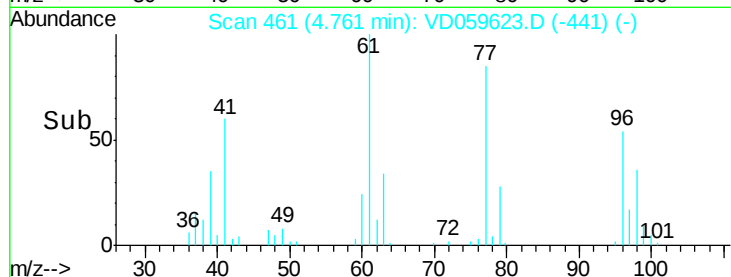
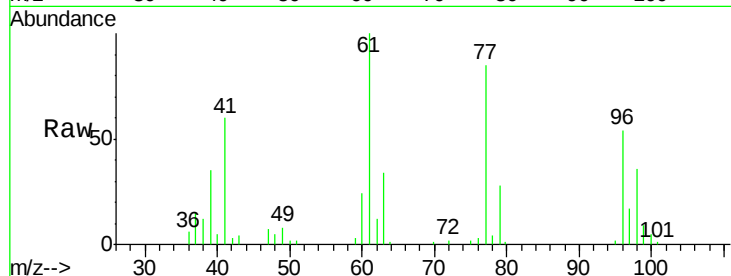


#27

cis-1,2-Dichloroethene
Concen: 53.791 ug/l
RT: 4.76 min Scan# 461
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

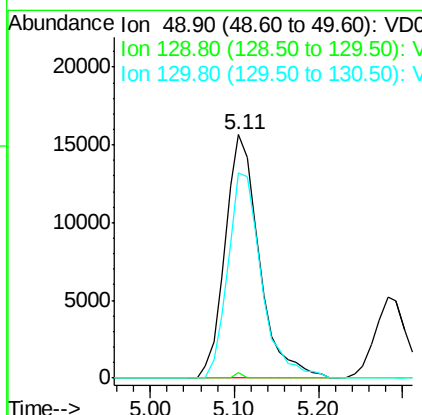
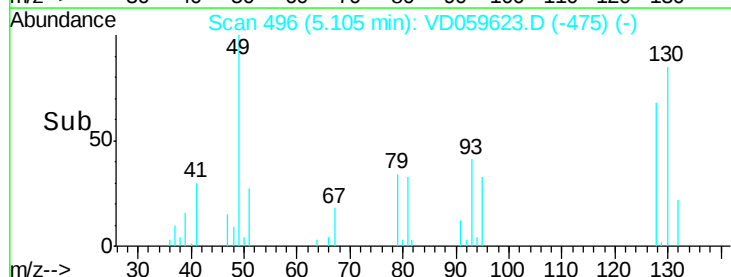
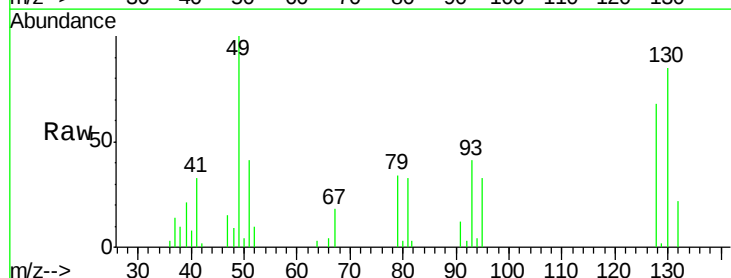
Tot Ion: 96 Resp: 58650
Ion Ratio Lower Upper
96 100
61 185.1 0.0 355.0
98 66.4 0.0 125.8

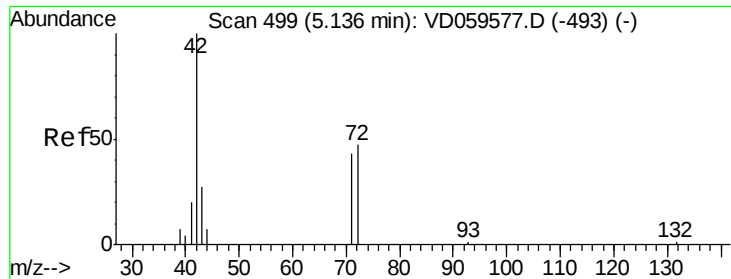


#28

Bromochloromethane
Concen: 54.635 ug/l
RT: 5.11 min Scan# 496
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 49 Resp: 44048
Ion Ratio Lower Upper
49 100
129 2.5 0.0 0.0#
130 84.5 64.6 96.8

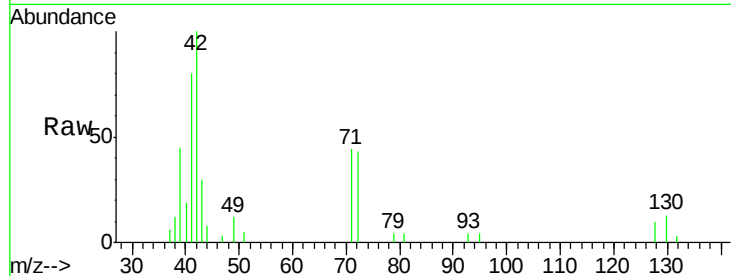




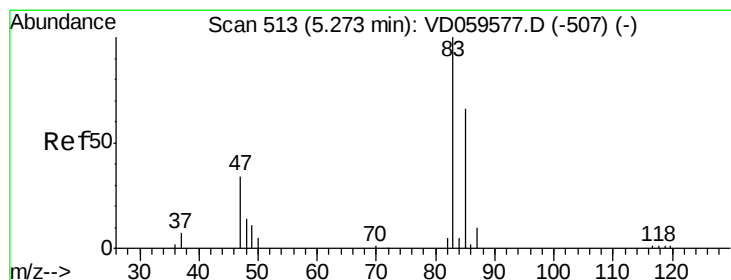
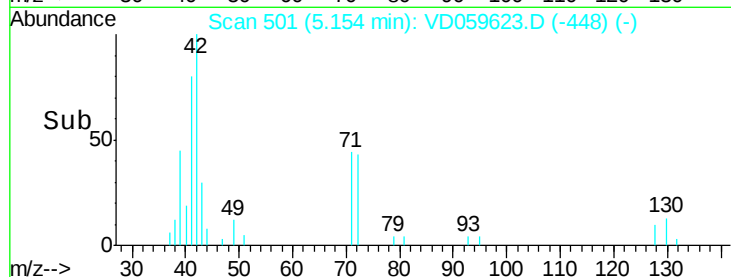
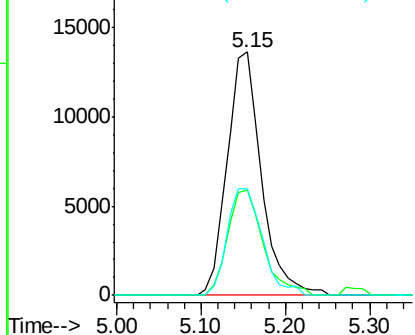
#29
Tetrahydrofuran
Concen: 240.842 ug/l
RT: 5.15 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 38566
Ion Ratio Lower Upper
42 100
72 44.8 35.0 52.4
71 44.9 34.2 51.2

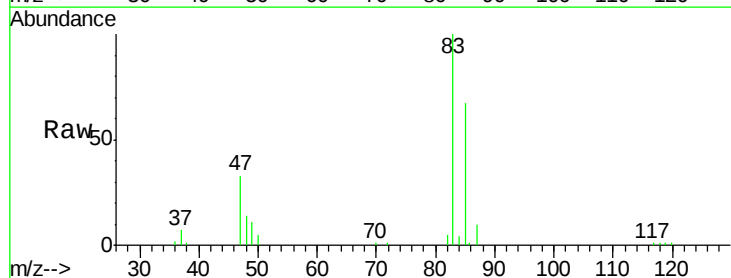


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

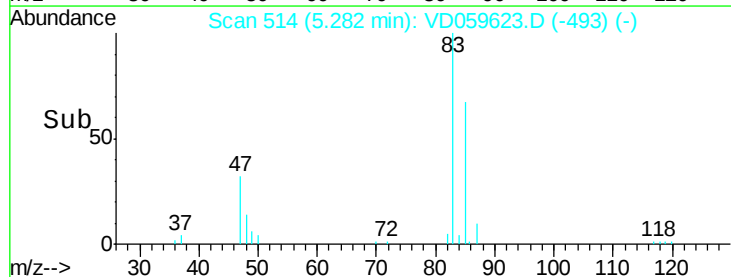
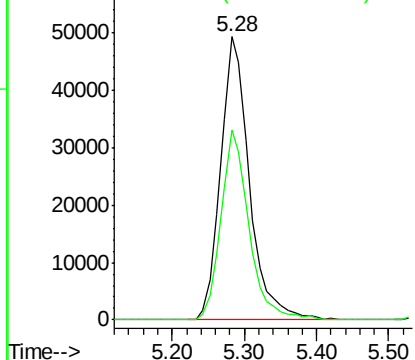


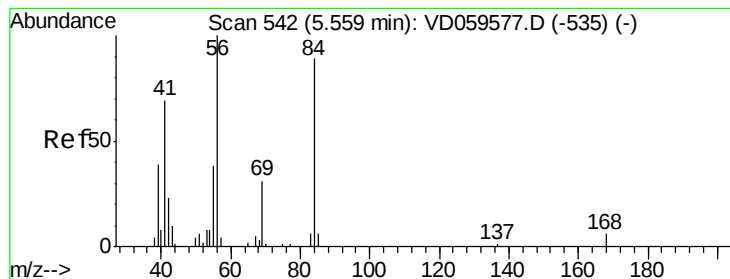
#30
Chloroform
Concen: 55.784 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 83 Resp: 135945
Ion Ratio Lower Upper
83 100
85 67.2 53.0 79.6



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





#31

Cyclohexane

Concen: 52.046 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

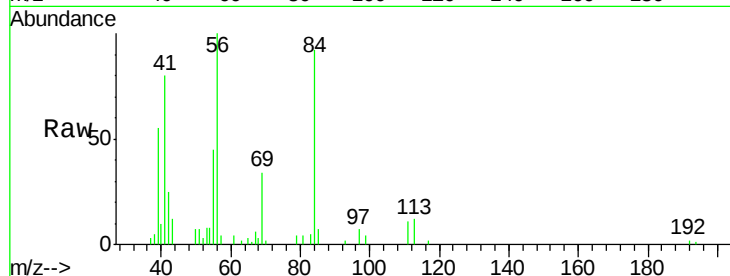
Tot Ion: 56 Resp: 67751

Ion Ratio Lower Upper

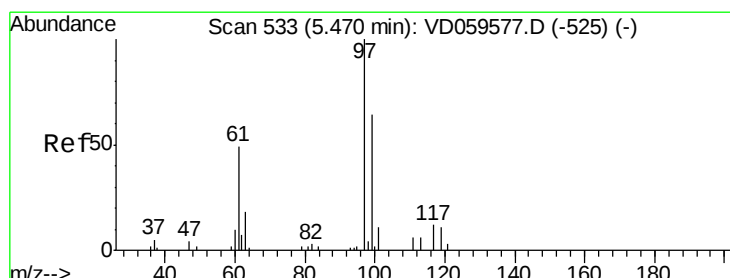
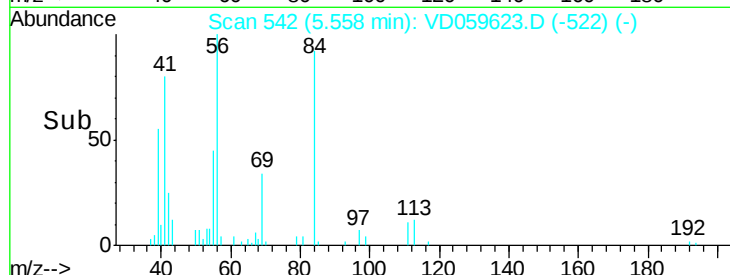
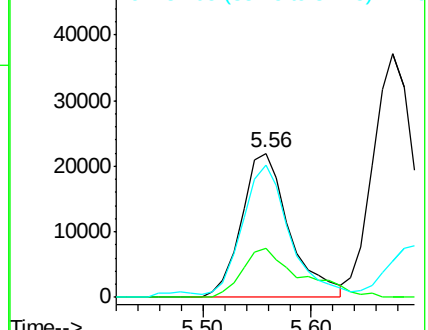
56 100

69 34.0 24.6 37.0

84 92.1 72.7 109.1



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 55.192 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

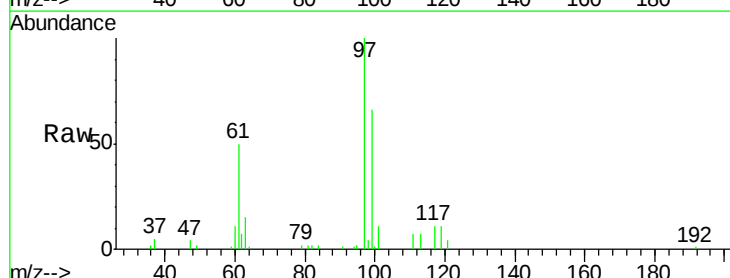
Tgt Ion: 97 Resp: 130216

Ion Ratio Lower Upper

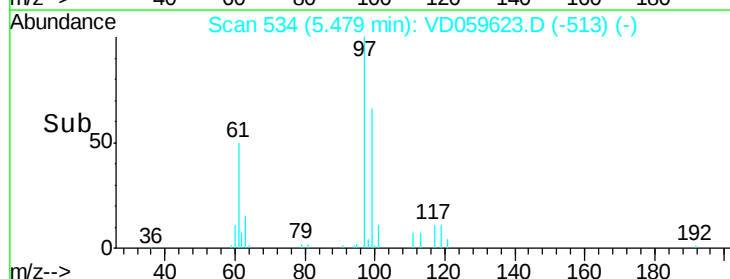
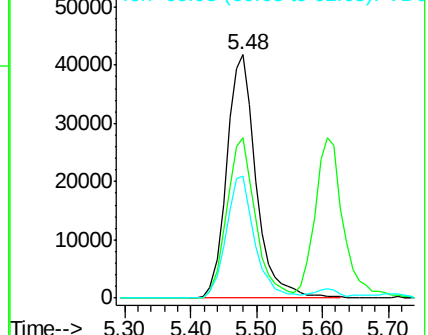
97 100

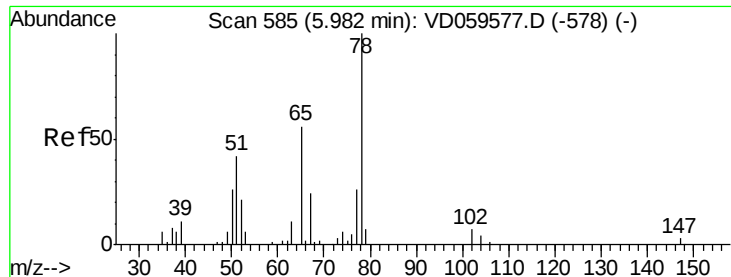
99 65.6 50.9 76.3

61 49.9 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 55.192 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

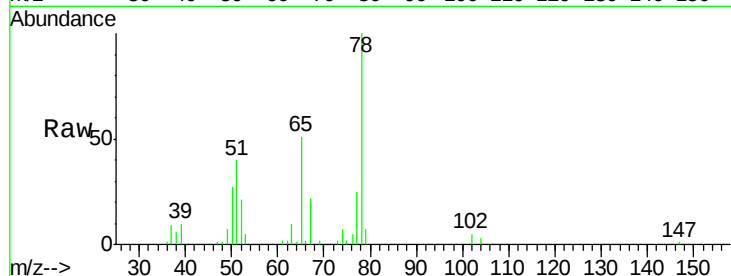
ClientSampleId :

Tot Ion: 65 Resp: 79237

Ion Ratio Lower Upper

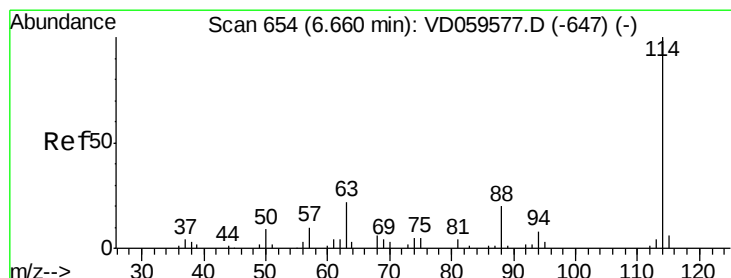
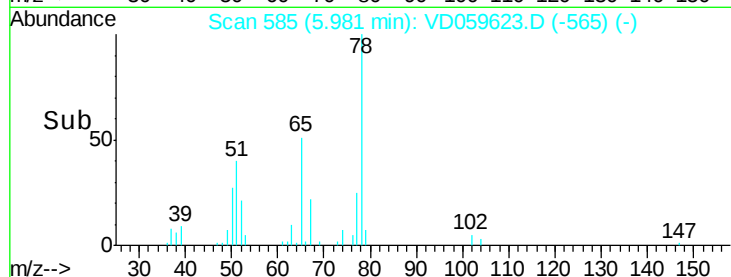
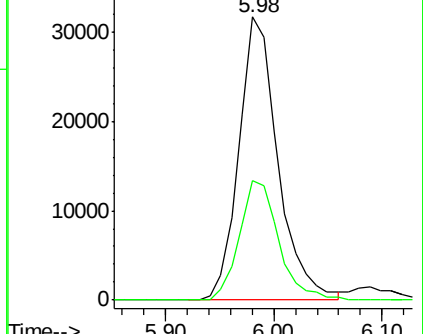
65 100

67 42.1 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

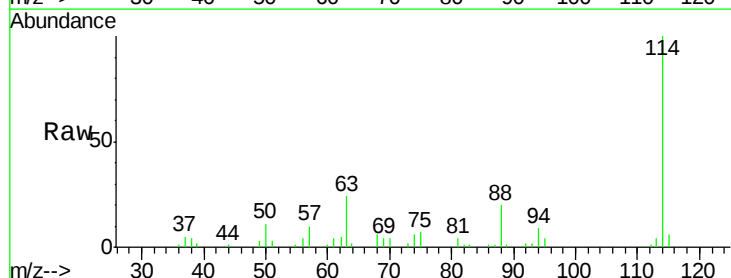
Tgt Ion: 114 Resp: 152687

Ion Ratio Lower Upper

114 100

63 24.0 0.0 43.8

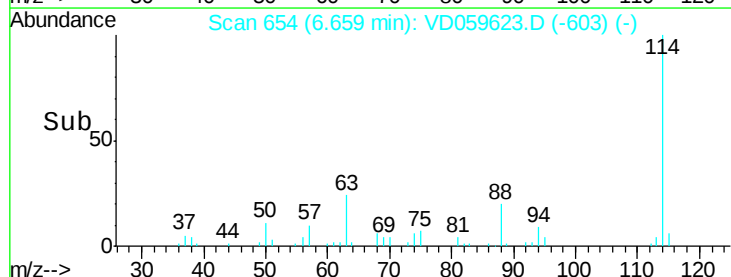
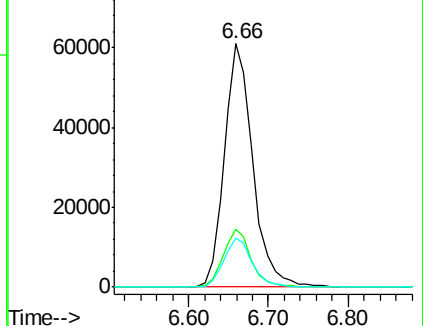
88 20.4 0.0 39.0

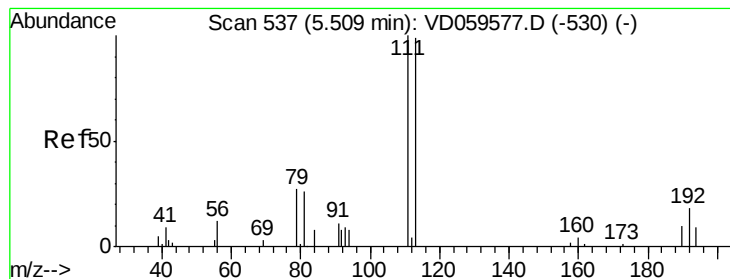


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

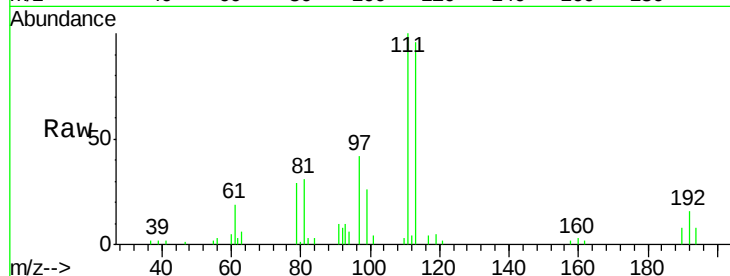
Tot Ion:113 Resp: 72103

Ion Ratio Lower Upper

113 100

111 103.8 80.5 120.7

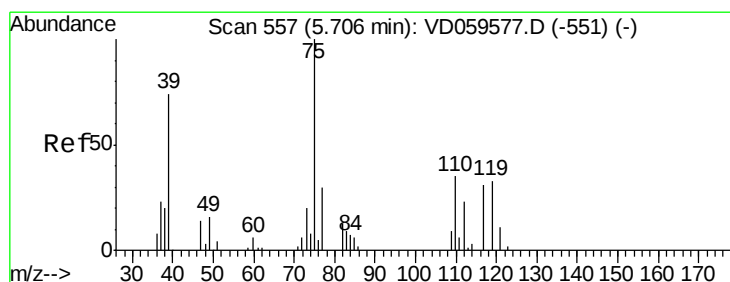
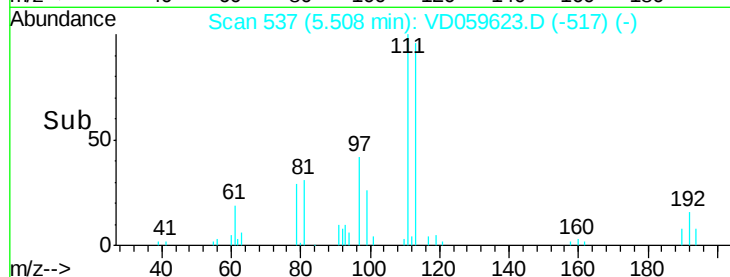
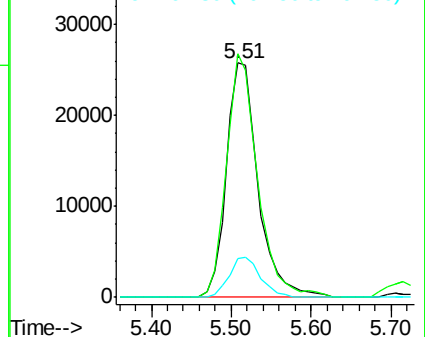
192 16.5 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 53.388 ug/l

RT: 5.71 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

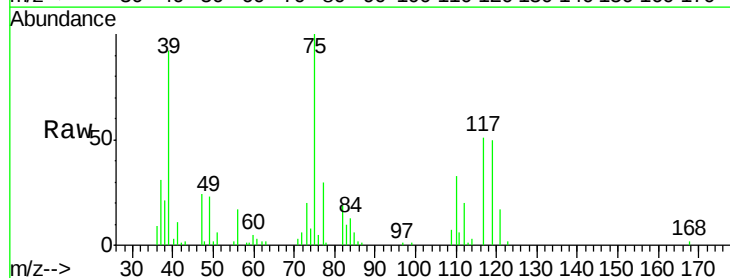
Tgt Ion: 75 Resp: 81798

Ion Ratio Lower Upper

75 100

110 33.2 17.0 50.9

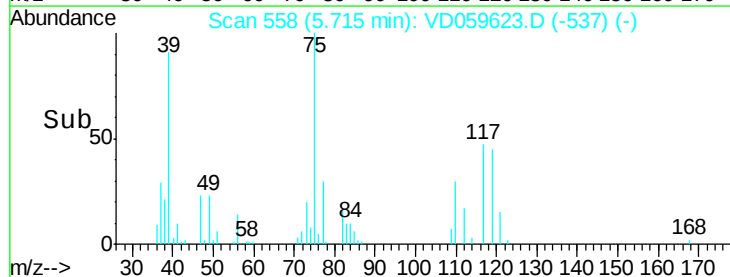
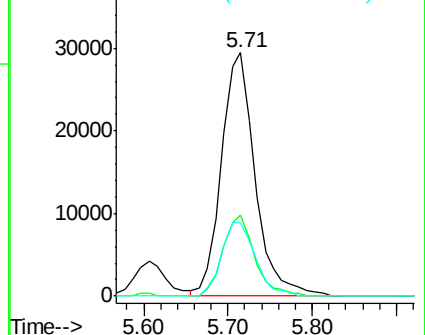
77 30.3 23.6 35.4

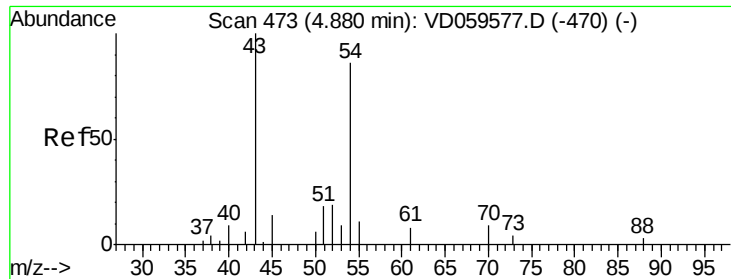


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

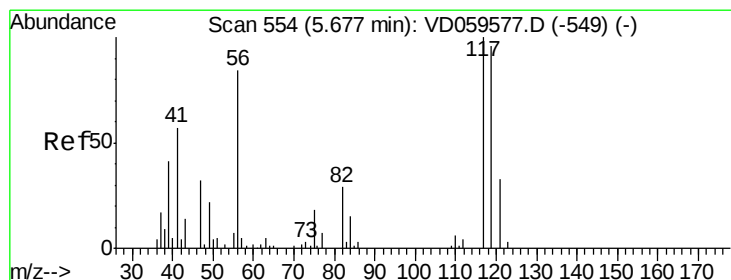
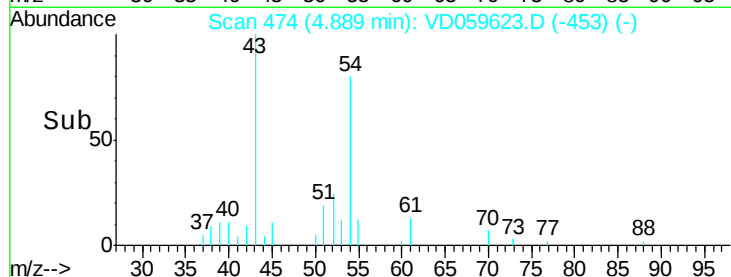
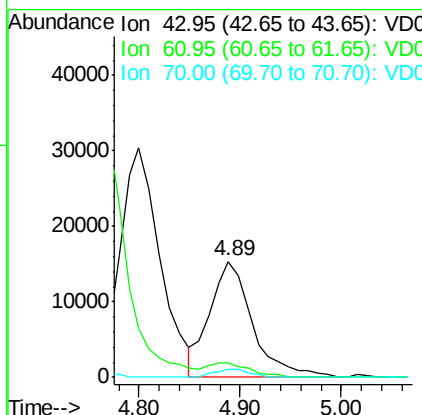
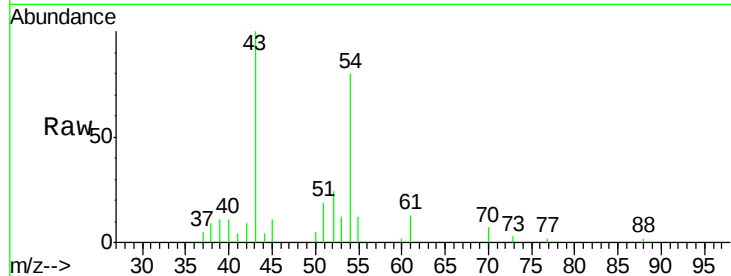




#37
Ethyl Acetate
Concen: 57.595 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

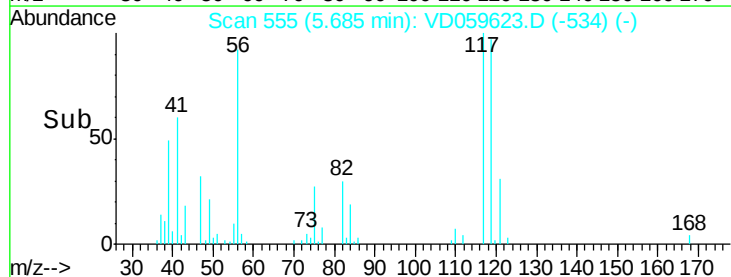
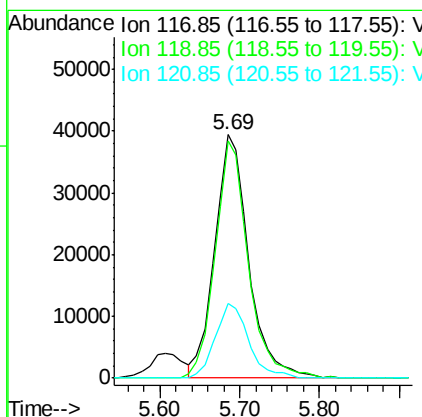
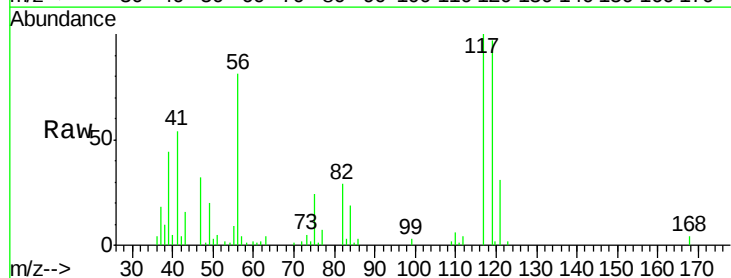
Instrument :
MSVOA_D
ClientSampled :

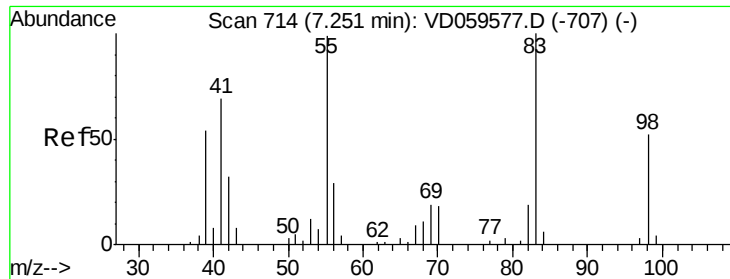
Tot Ion: 43 Resp: 45393
Ion Ratio Lower Upper
43 100
61 12.8 10.7 16.1
70 6.5 5.4 8.0



#38
Carbon Tetrachloride
Concen: 56.099 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 117 Resp: 117697
Ion Ratio Lower Upper
117 100
119 97.3 73.6 110.4
121 30.9 25.0 37.6

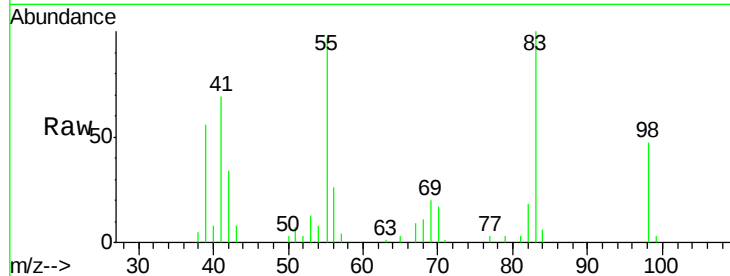




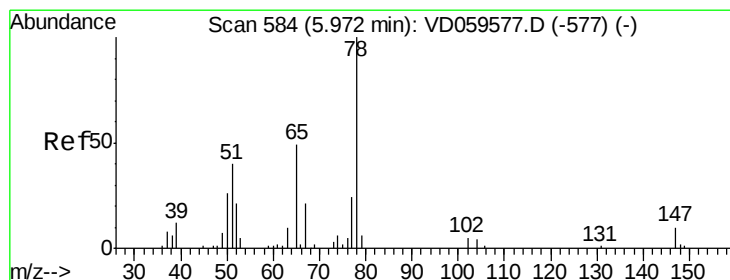
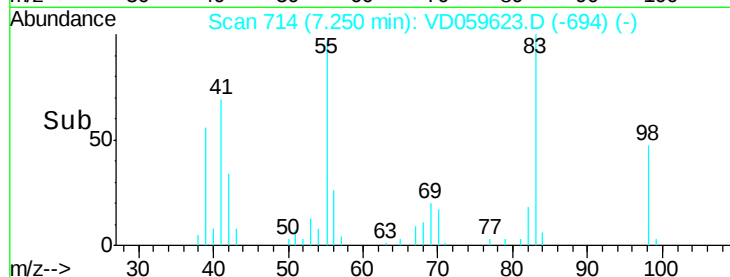
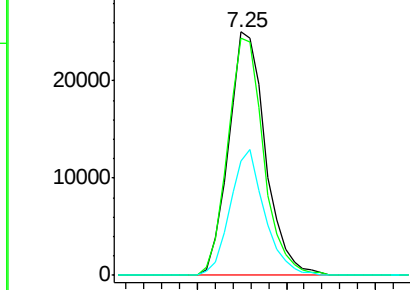
#39
Methvlcvclohexane
Concen: 51.223 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 72169
Ion Ratio Lower Upper
83 100
55 97.3 79.4 119.0
98 47.0 41.6 62.4

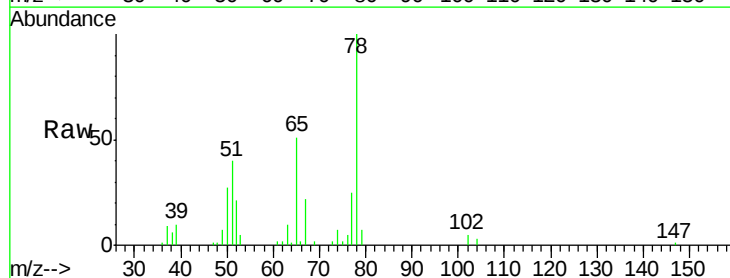


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

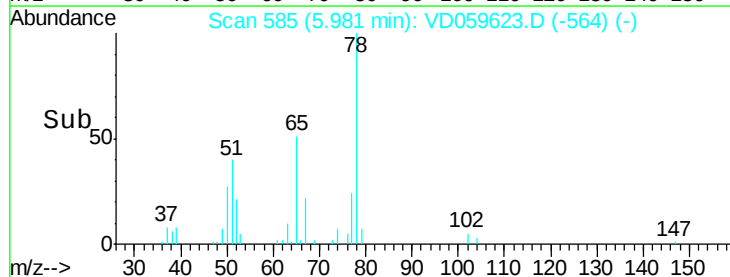
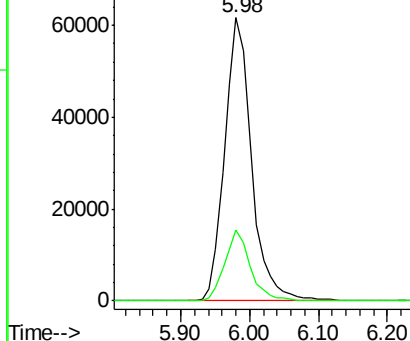


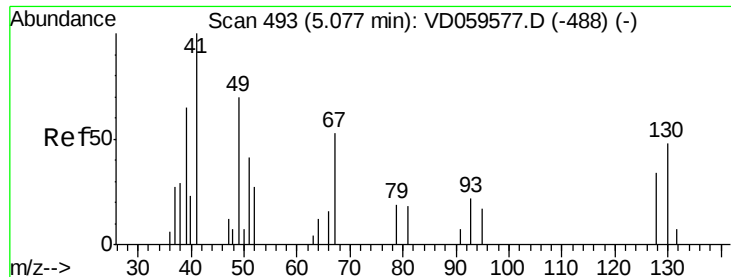
#40
Benzene
Concen: 52.976 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 78 Resp: 166449
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6



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

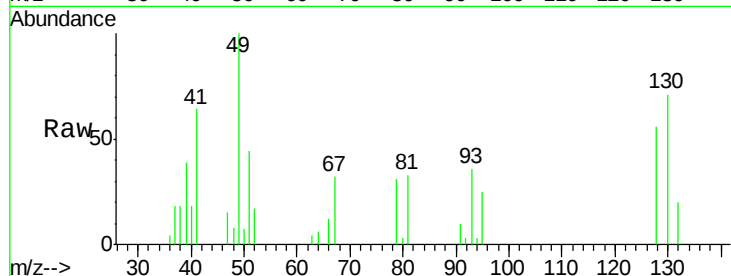




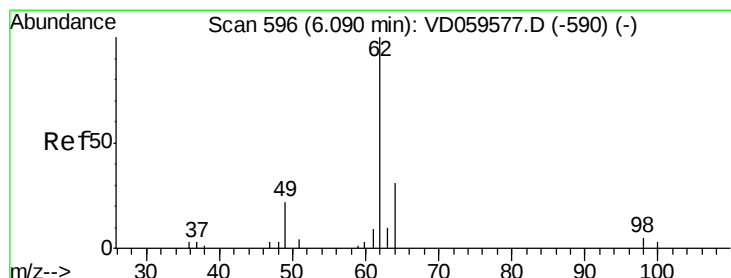
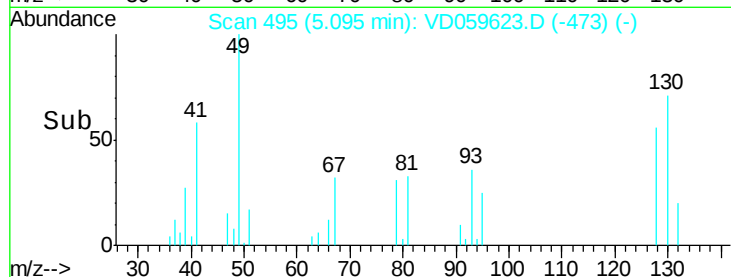
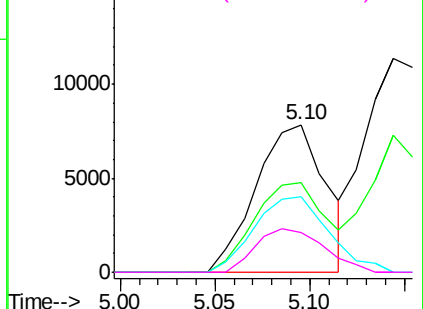
#41
Methacrylonitrile
Concen: 51.335 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	20191
Ion	Ratio	Lower	Upper
41	100		
39	60.9	52.1	78.1
67	50.8	42.5	63.7
52	27.0	21.8	32.8

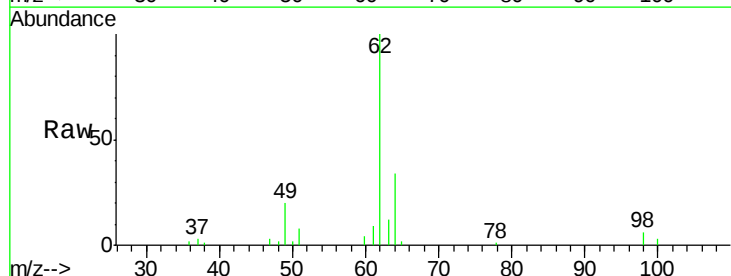


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

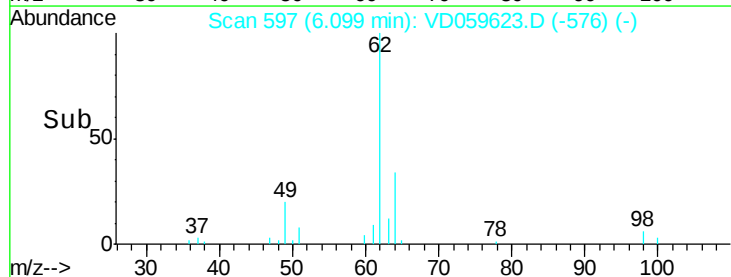
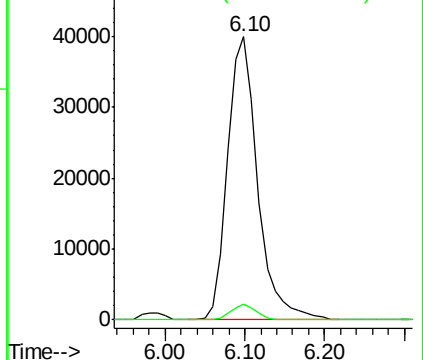


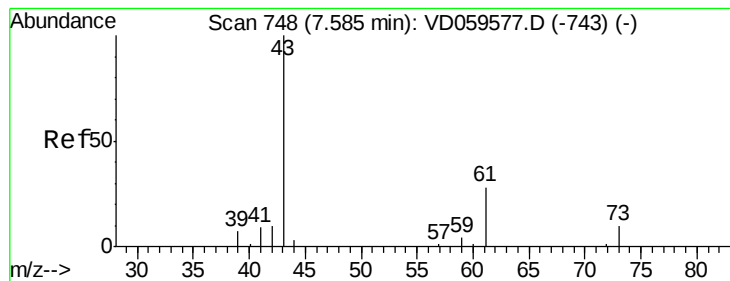
#42
1,2-Dichloroethane
Concen: 55.719 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:	62	Resp:	105478
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	10.2



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



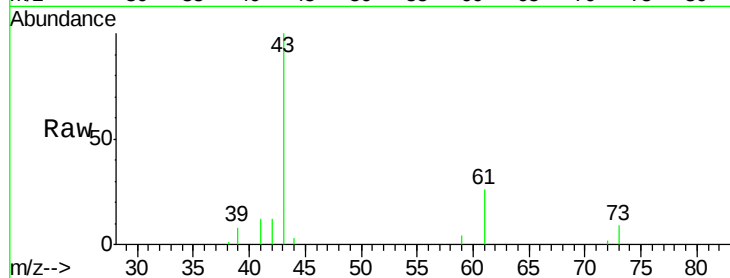


#43

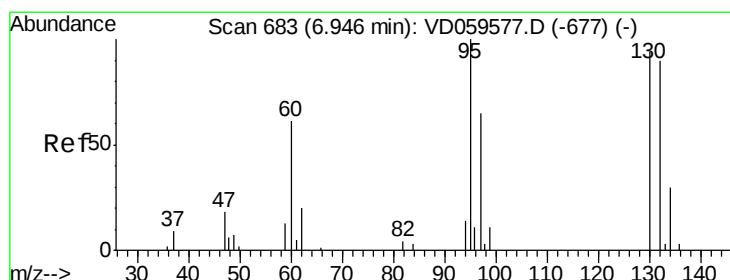
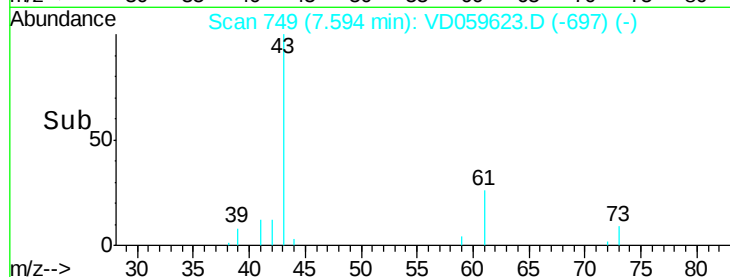
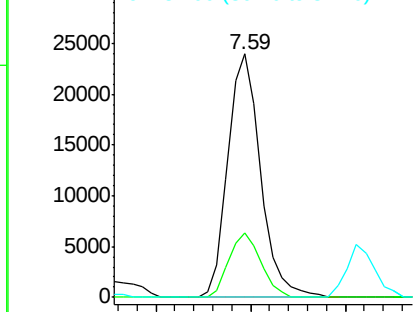
Isopropyl Acetate
 Concen: 52.483 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 57358
 Ion Ratio Lower Upper
 43 100
 61 26.5 22.0 33.0
 87 0.0 0.0 0.0



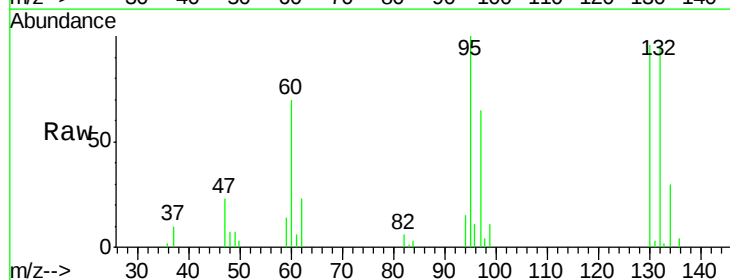
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



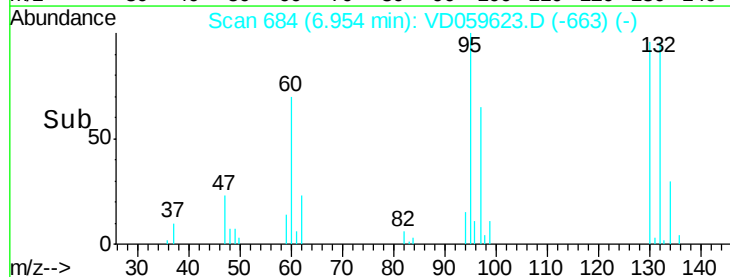
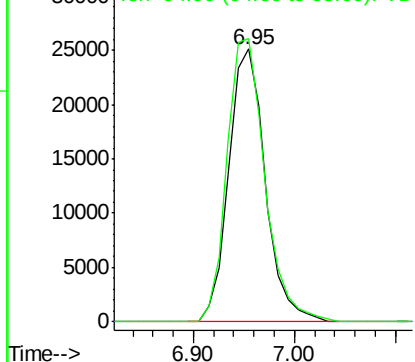
#44

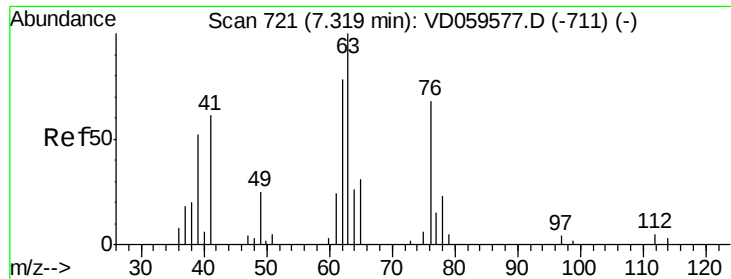
Trichloroethene
 Concen: 55.434 ug/l
 RT: 6.95 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 130 Resp: 63173
 Ion Ratio Lower Upper
 130 100
 95 103.8 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 50.852 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

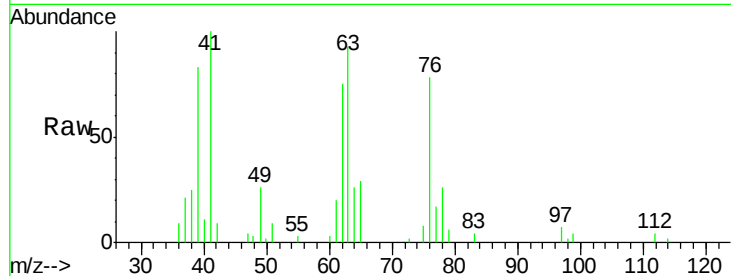
ClientSampleId :

Tot Ion: 63 Resp: 44744

Ion Ratio Lower Upper

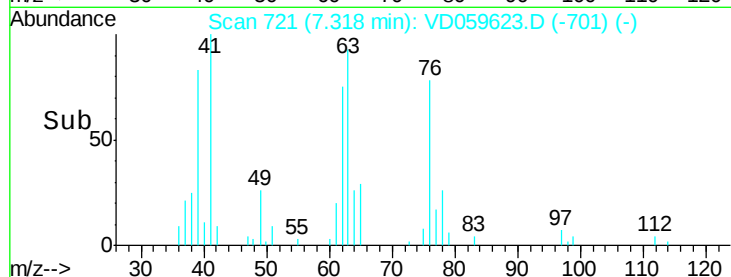
63 100

65 31.2 24.9 37.3

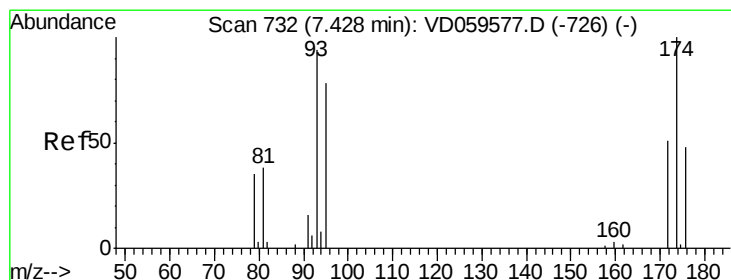


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 56.443 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

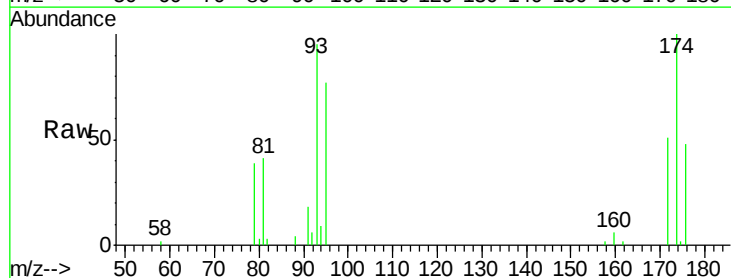
Tgt Ion: 93 Resp: 41978

Ion Ratio Lower Upper

93 100

95 81.5 65.8 98.8

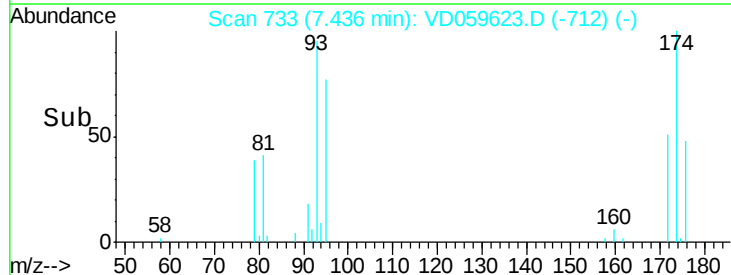
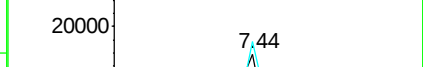
174 105.2 84.7 127.1



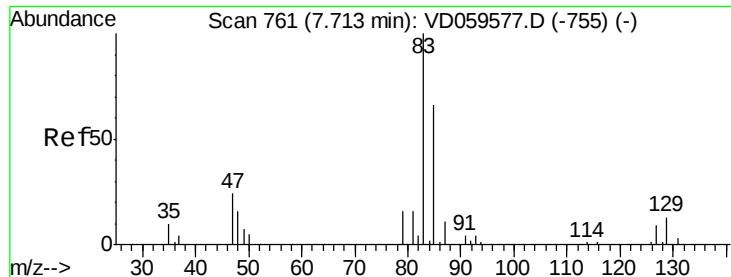
Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->



#47

Bromodichloromethane

Concen: 59.236 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampled :

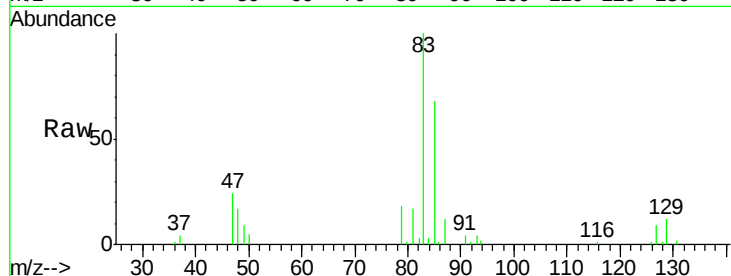
Tot Ion: 83 Resp: 105221

Ion Ratio Lower Upper

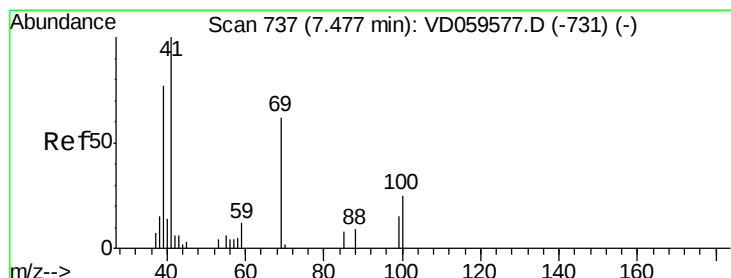
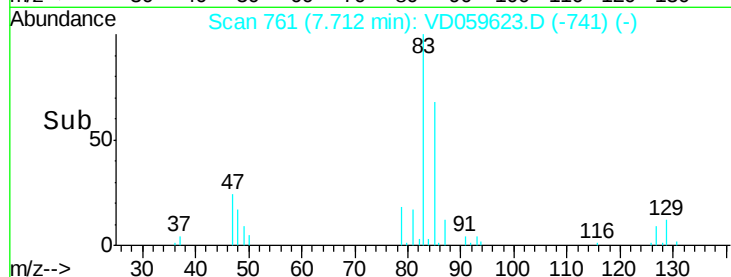
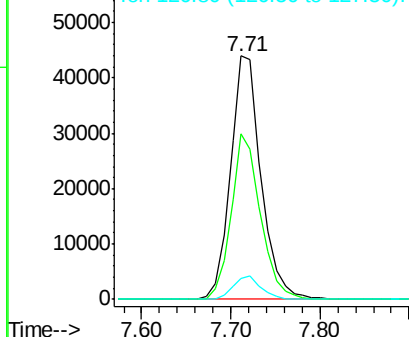
83 100

85 67.7 53.1 79.7

127 8.8 7.4 11.0



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): V



#48

Methyl methacrylate

Concen: 55.848 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

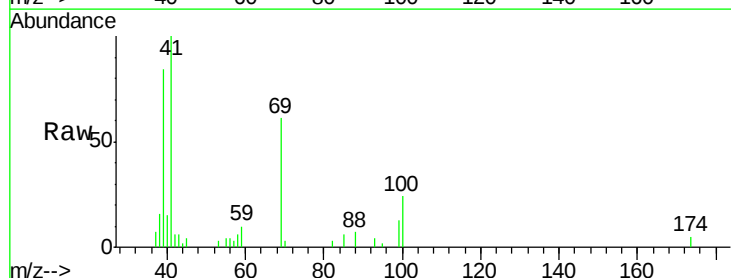
Tgt Ion: 41 Resp: 40478

Ion Ratio Lower Upper

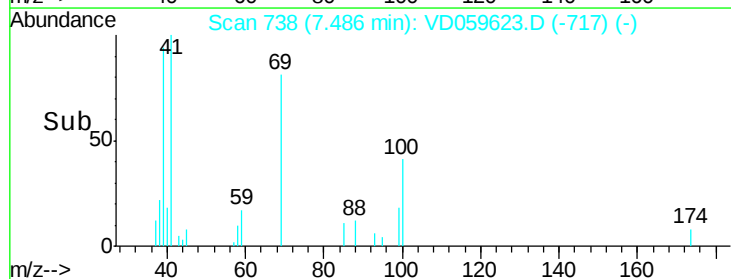
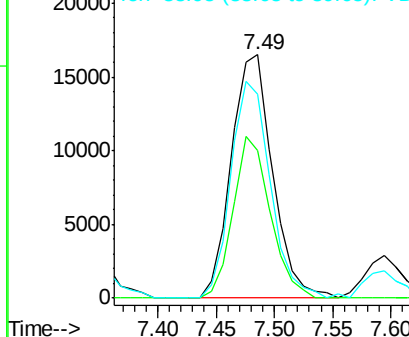
41 100

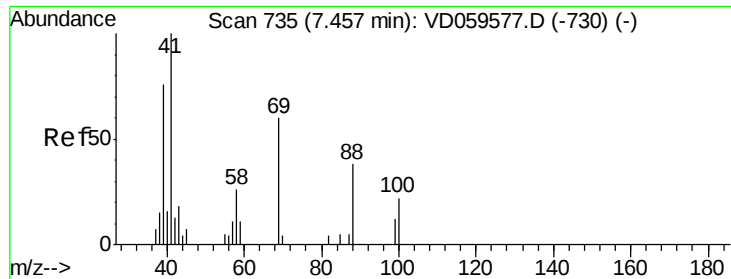
69 60.5 49.4 74.0

39 83.8 61.3 91.9



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

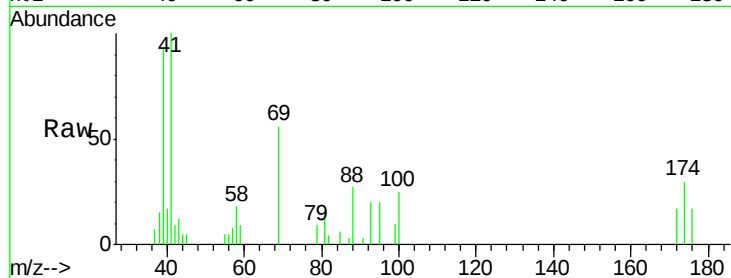




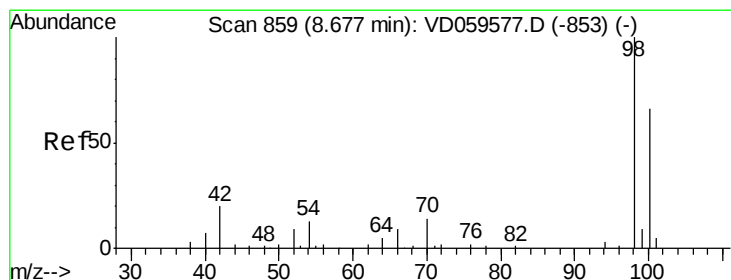
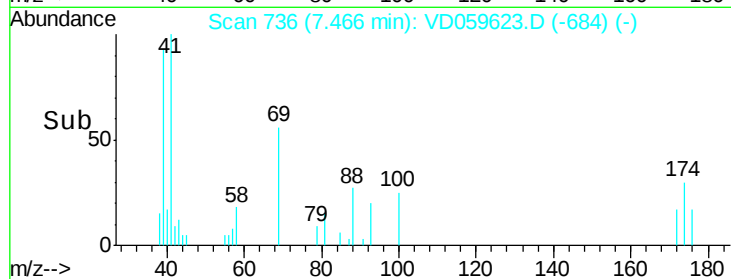
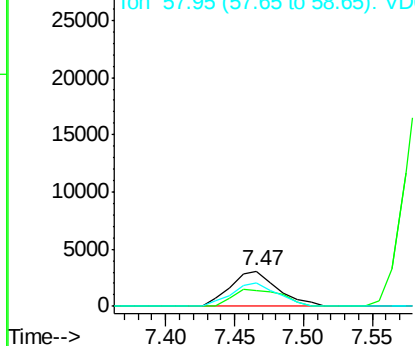
#49
1,4-Dioxane
Concen: 1084.967 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 7369
Ion Ratio Lower Upper
88 100
43 45.5 37.4 56.2
58 66.4 55.6 83.4

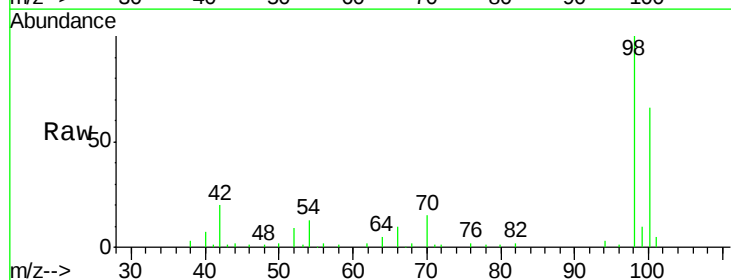


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

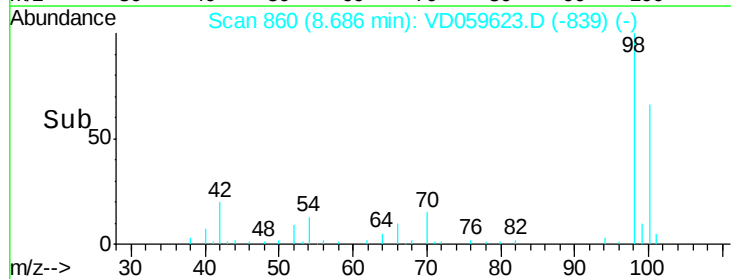
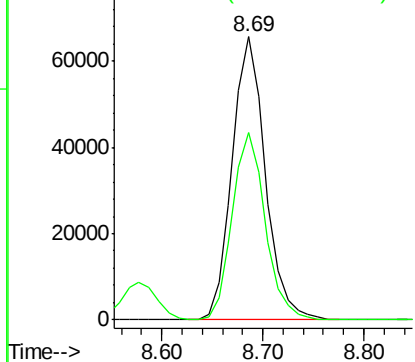


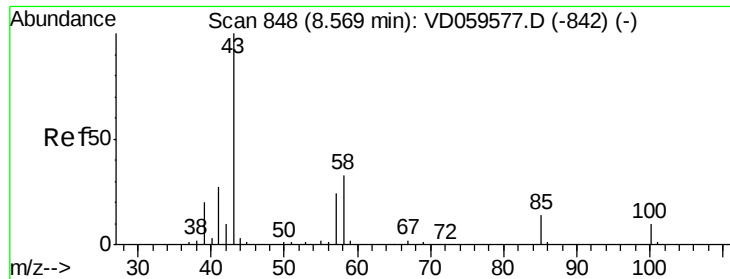
#50
Toluene-d8
Concen: 1084.967 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 98 Resp: 149996
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8



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: 262.542 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

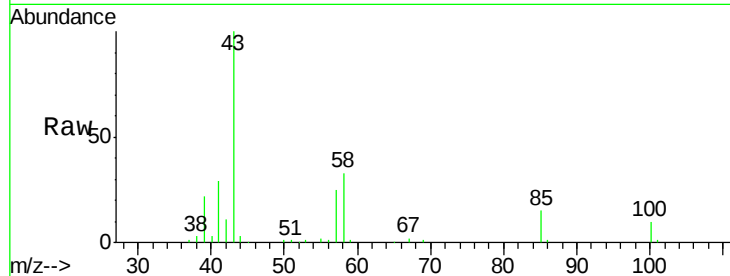
ClientSampleId :

Tot Ion: 43 Resp: 191605

Ion Ratio Lower Upper

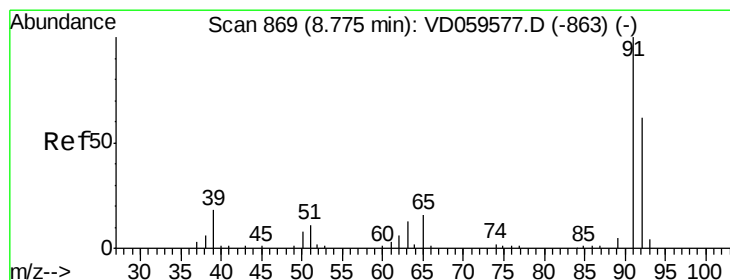
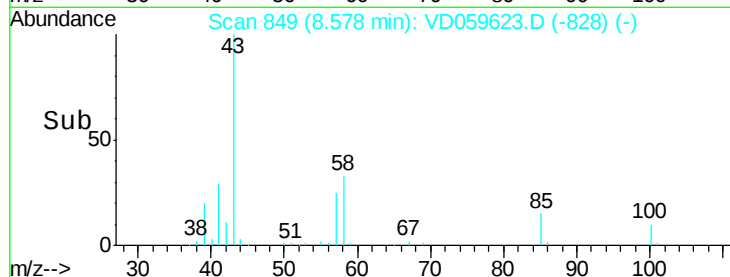
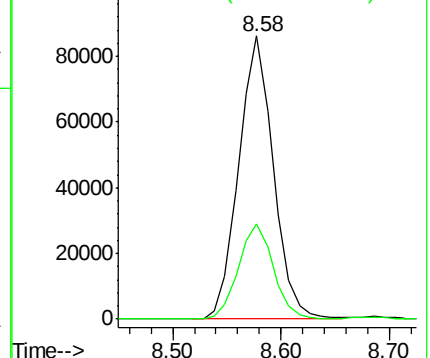
43 100

58 33.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.260 ug/l

RT: 8.77 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059623.D

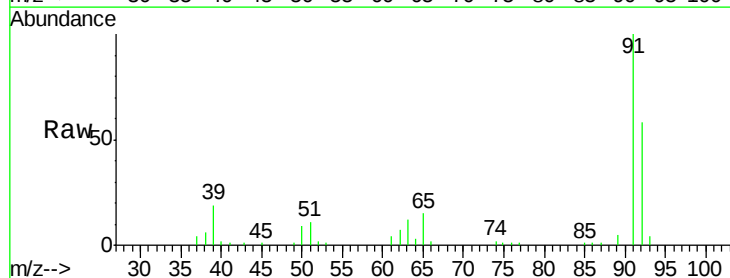
Acq: 27 Jul 2018 20:49

Tgt Ion: 92 Resp: 108879

Ion Ratio Lower Upper

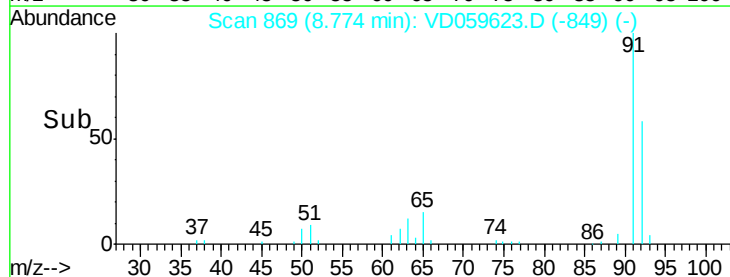
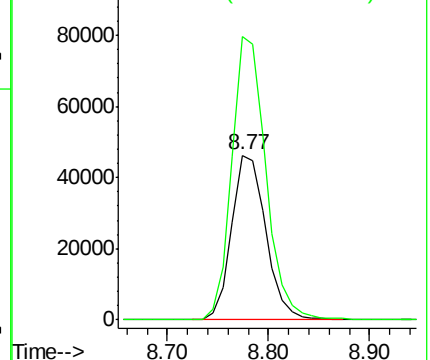
92 100

91 171.9 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

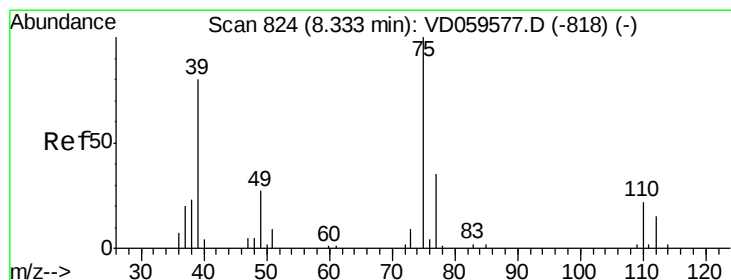
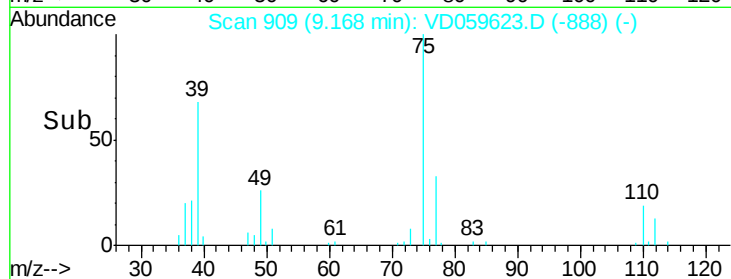
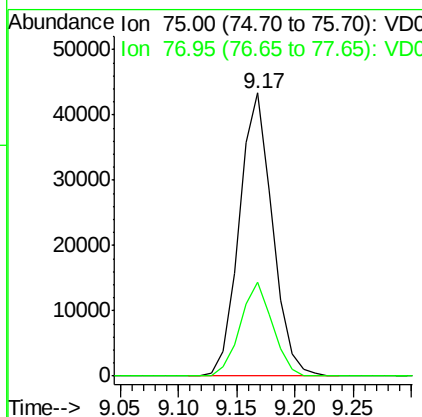
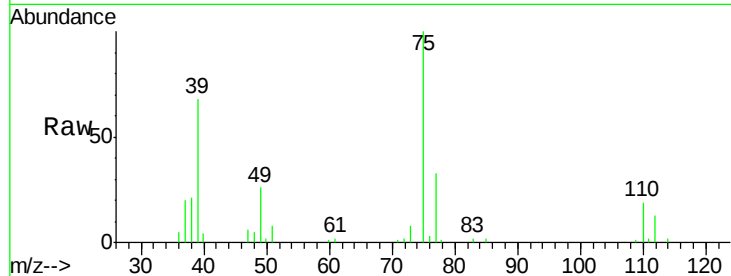




#53
 t-1,3-Dichloropropene
 Concen: 53.166 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

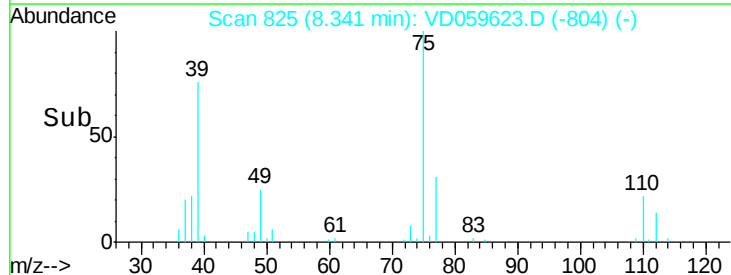
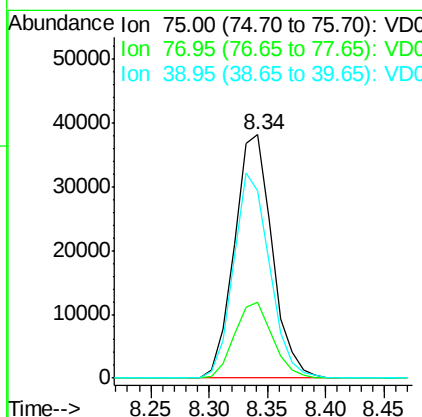
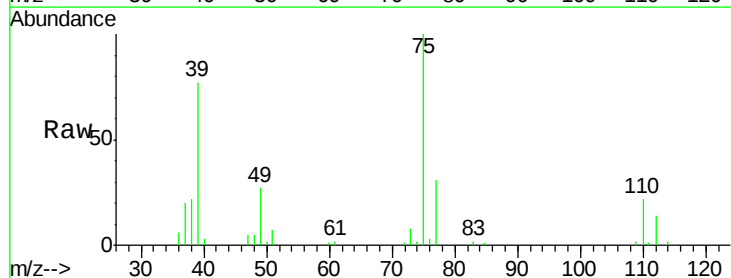
Instrument :
 MSVOA_D
 ClientSampleId :

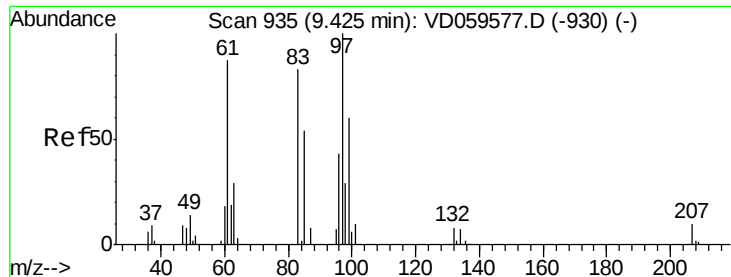
Tot Ion: 75 Resp: 85180
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.672 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 75 Resp: 85392
 Ion Ratio Lower Upper
 75 100
 77 31.3 27.7 41.5
 39 76.9 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 54.407 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 42585

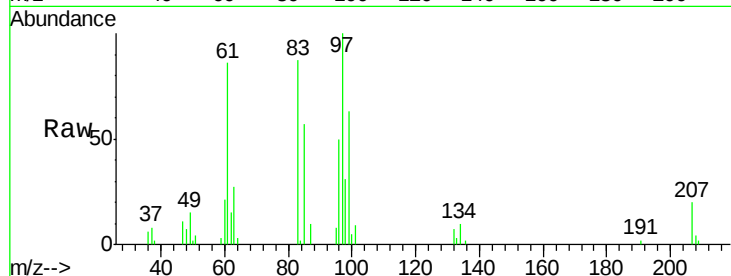
Ion Ratio Lower Upper

97 100

83 86.8 66.3 99.5

85 57.5 43.0 64.6

99 62.8 47.7 71.5

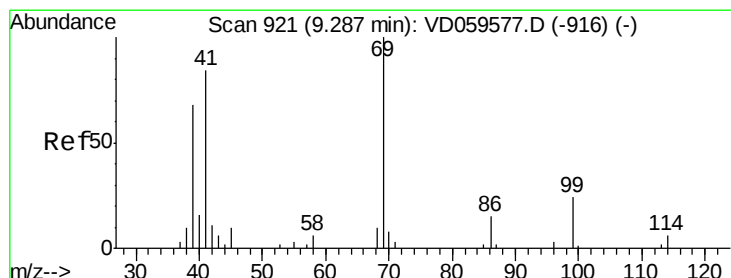
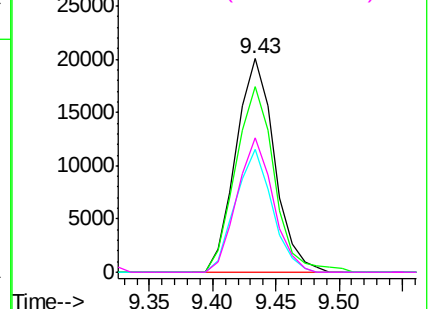
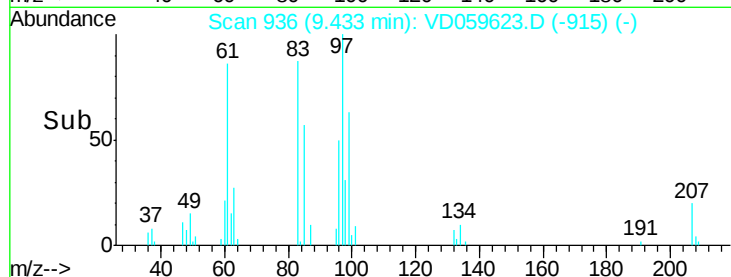


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 54.603 ug/l

RT: 9.30 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

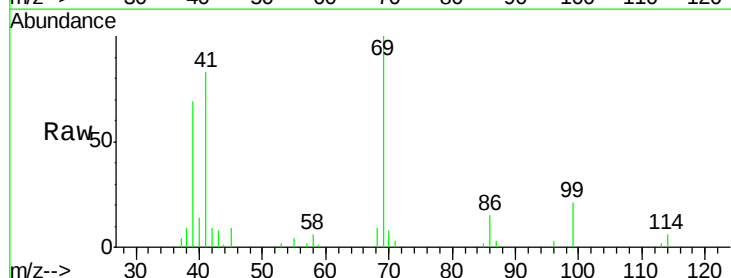
Tgt Ion: 69 Resp: 48490

Ion Ratio Lower Upper

69 100

41 83.2 66.8 100.2

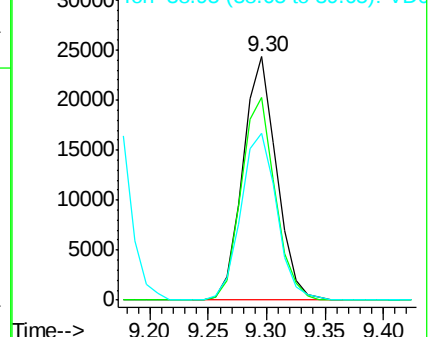
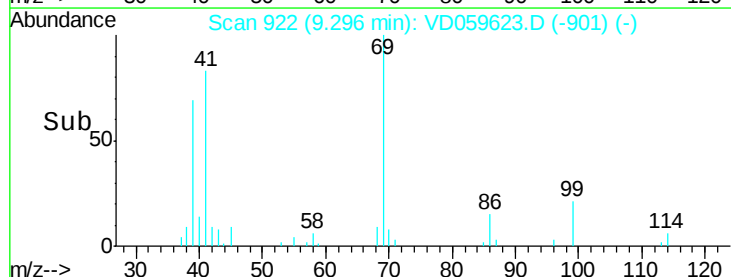
39 68.7 54.7 82.1

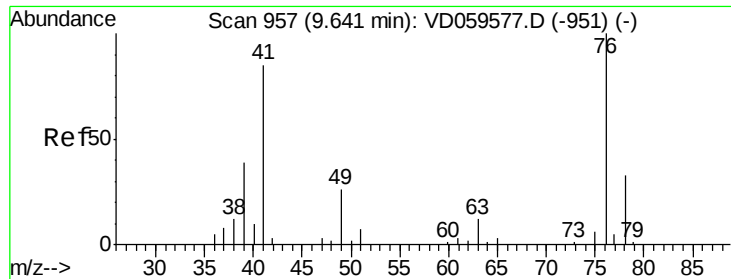


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.295 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

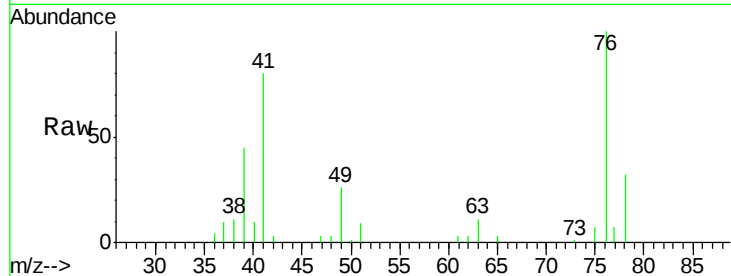
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 68770

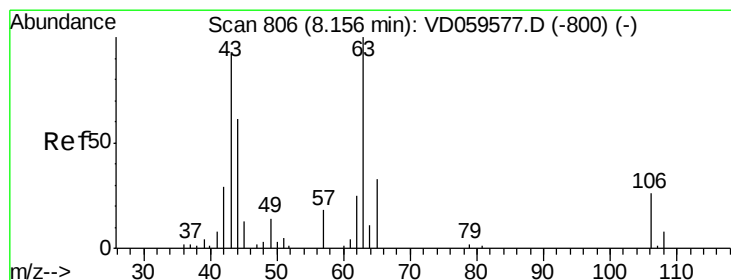
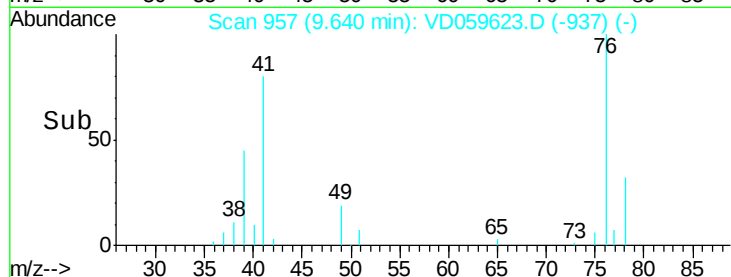
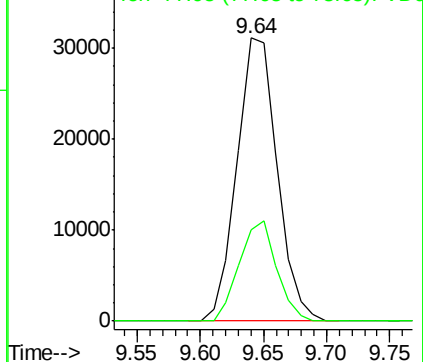
Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



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



#58

2-Chloroethyl Vinyl ether

Concen: 272.061 ug/l

RT: 8.16 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059623.D

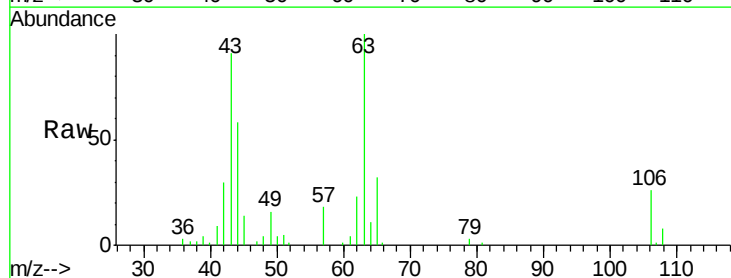
Acq: 27 Jul 2018 20:49

Tgt Ion: 63 Resp: 113523

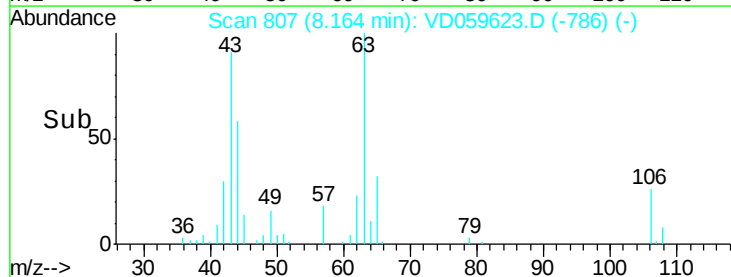
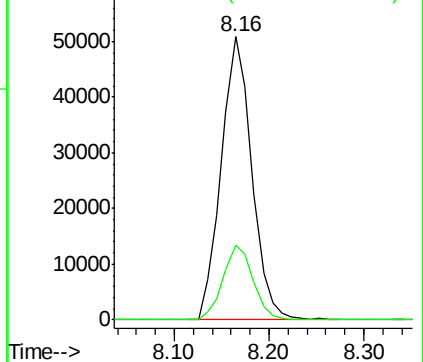
Ion Ratio Lower Upper

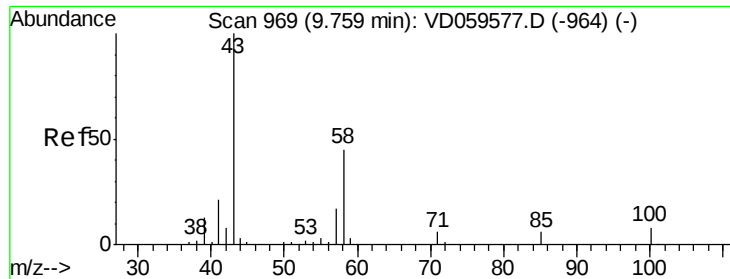
63 100

106 26.5 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

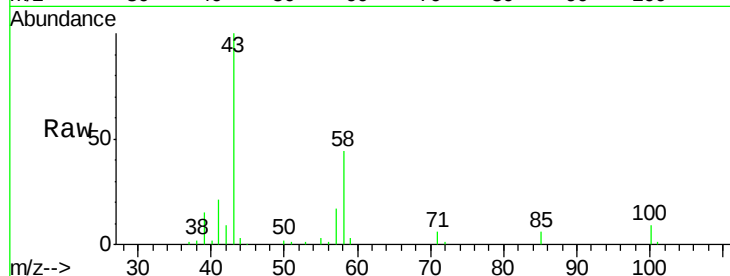




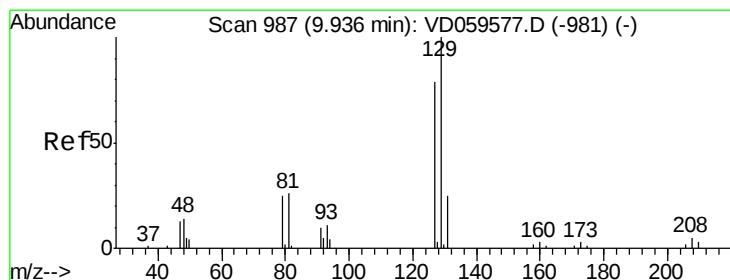
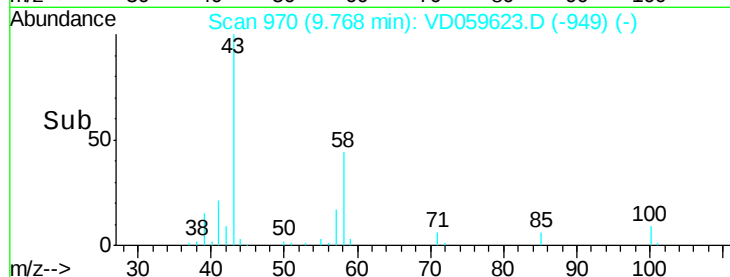
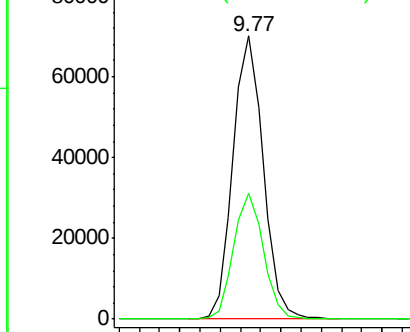
#59
2-Hexanone
Concen: 252.205 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 146199
Ion Ratio Lower Upper
43 100
58 44.4 22.7 68.1

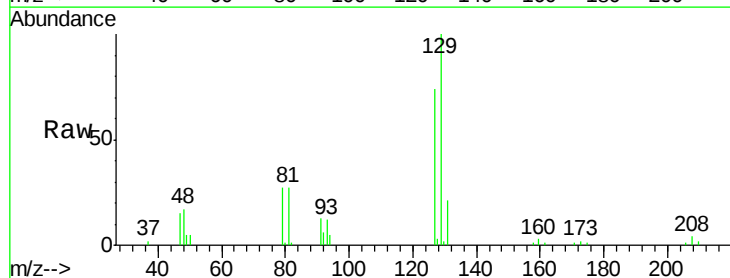


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

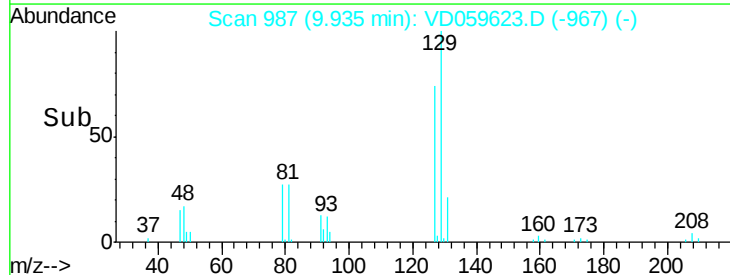
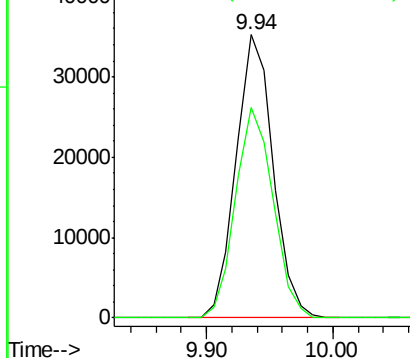


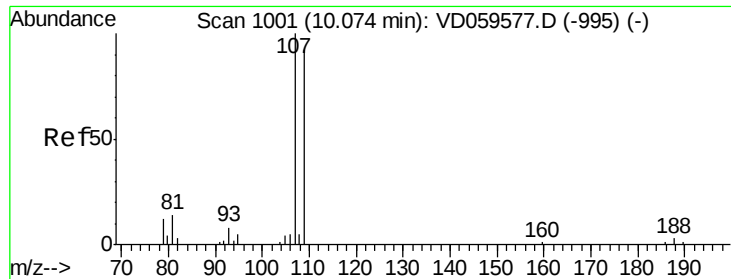
#60
Dibromochloromethane
Concen: 55.329 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:129 Resp: 71895
Ion Ratio Lower Upper
129 100
127 74.1 39.3 117.9



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





#61

1,2-Dibromoethane

Concen: 52.761 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

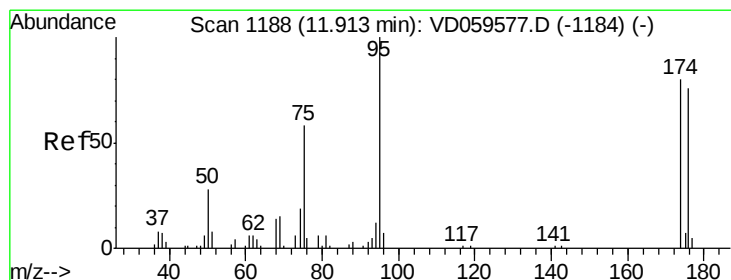
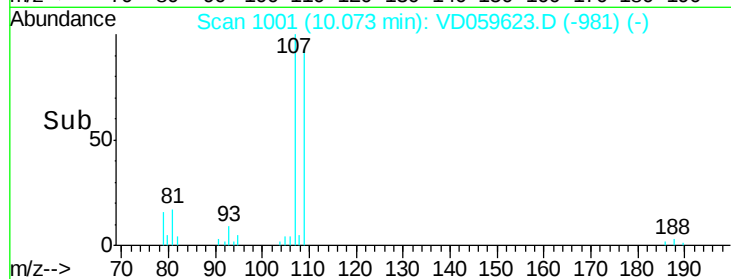
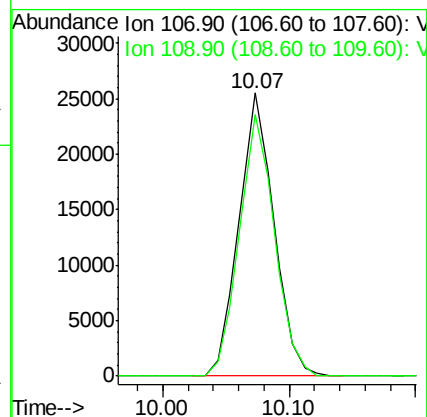
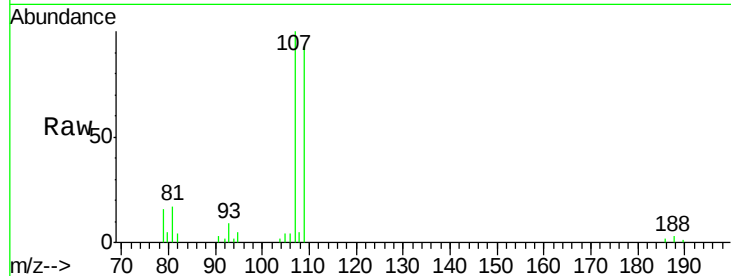
ClientSampleId :

Tot Ion:107 Resp: 48938

Ion Ratio Lower Upper

107 100

109 92.5 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 52.761 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

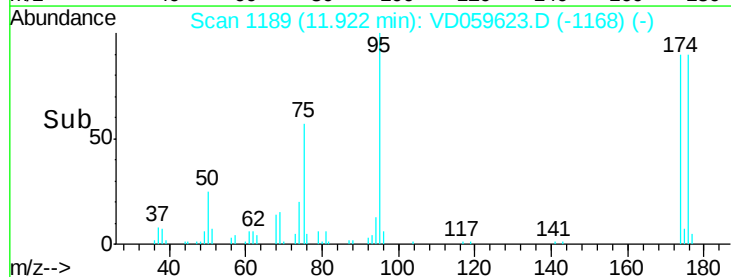
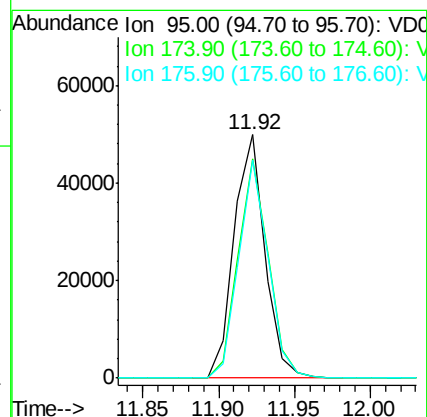
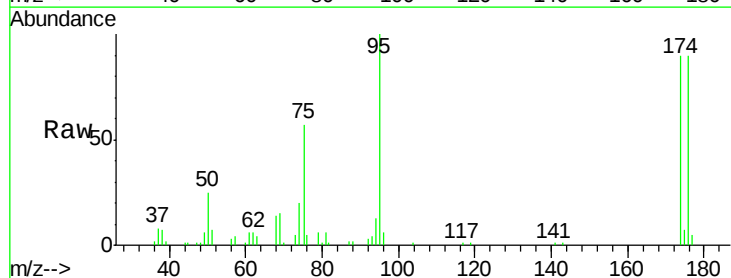
Tgt Ion: 95 Resp: 70273

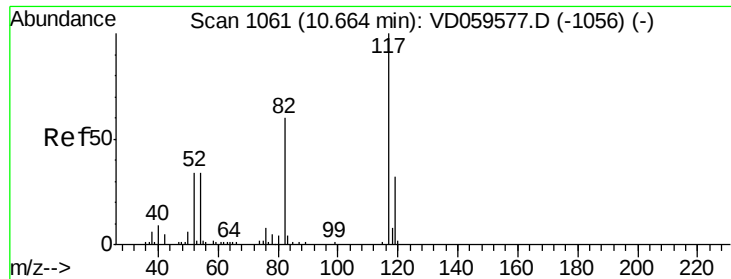
Ion Ratio Lower Upper

95 100

174 89.9 0.0 160.6

176 89.8 0.0 152.8

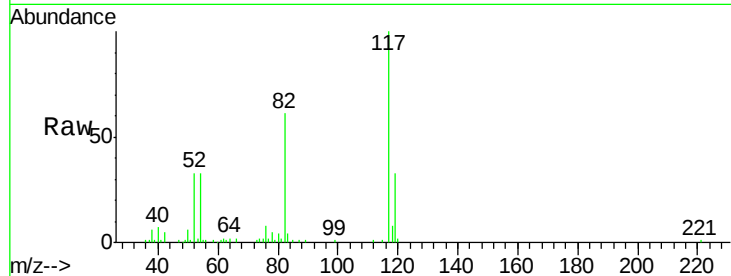




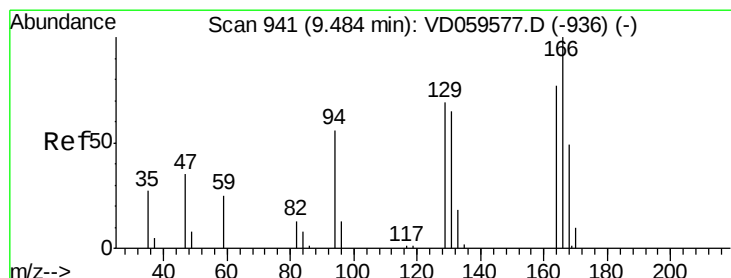
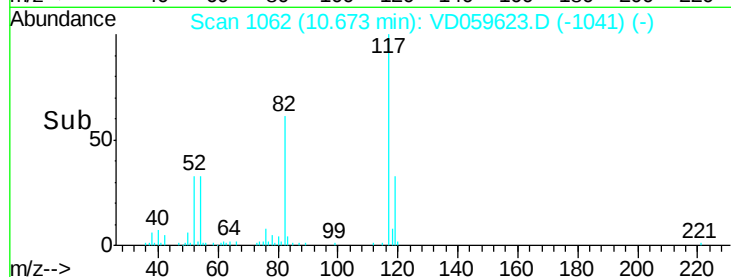
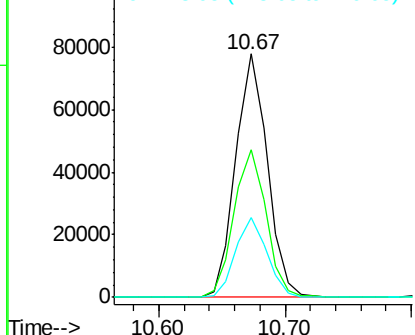
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 135029
Ion Ratio Lower Upper
117 100
82 60.8 48.2 72.2
119 32.7 25.4 38.2

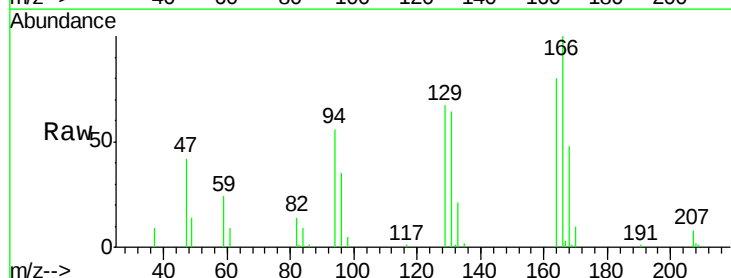


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

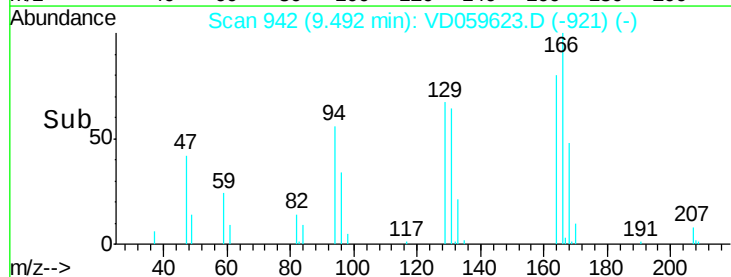
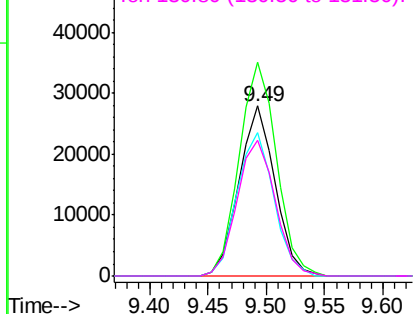


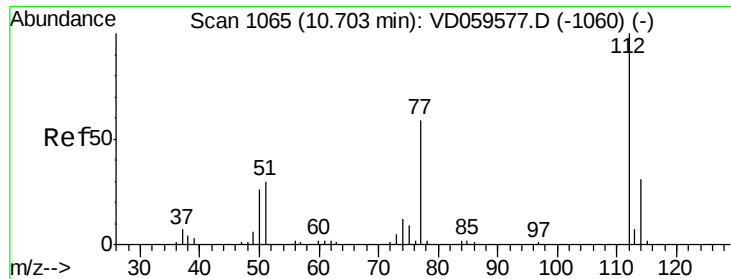
#64
Tetrachloroethene
Concen: 48.890 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:164 Resp: 59824
Ion Ratio Lower Upper
164 100
166 125.7 104.0 156.0
129 84.1 72.2 108.4
131 80.1 67.7 101.5



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

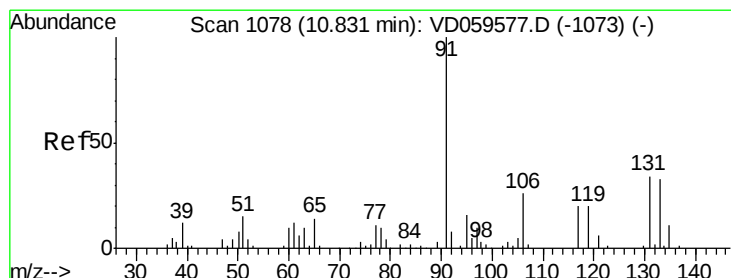
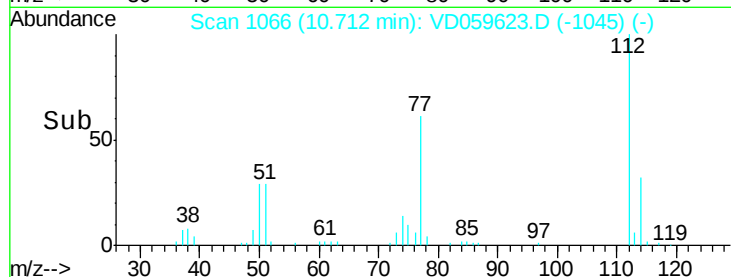
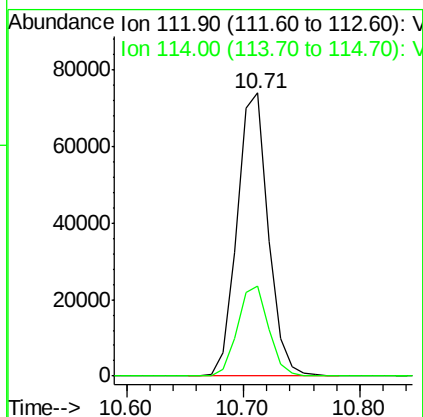
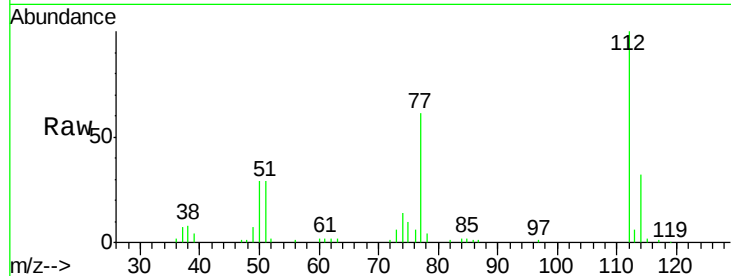




#65
Chlorobenzene
Concen: 49.353 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

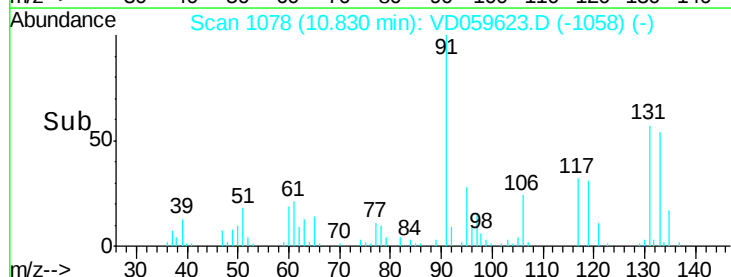
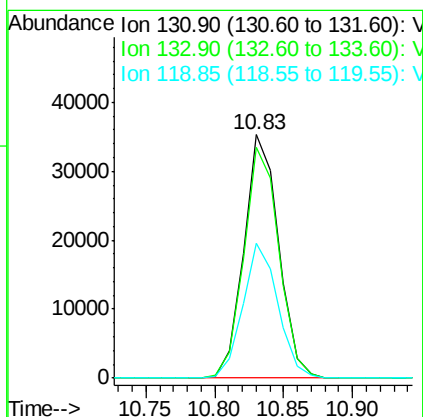
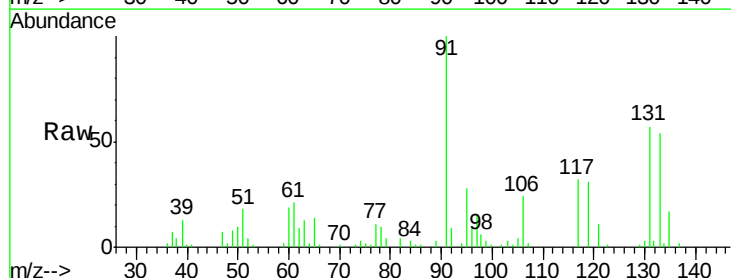
Instrument :
MSVOA_D
ClientSampleId :

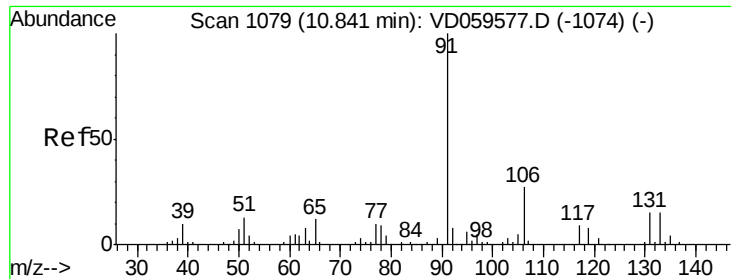
Tot Ion:112 Resp: 136609
Ion Ratio Lower Upper
112 100
114 31.7 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.528 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:131 Resp: 62042
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.7
119 55.2 28.7 86.1

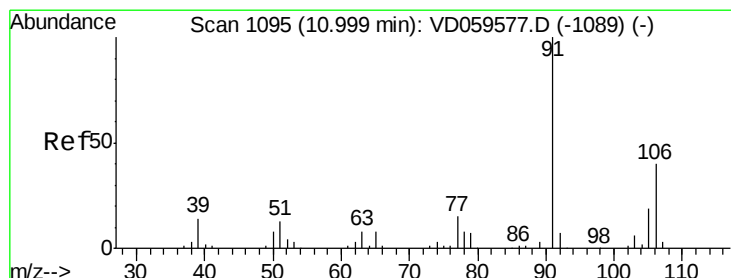
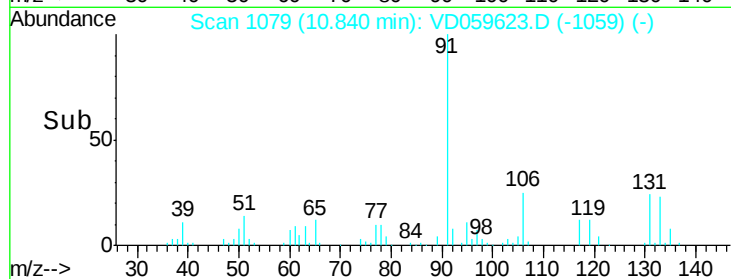
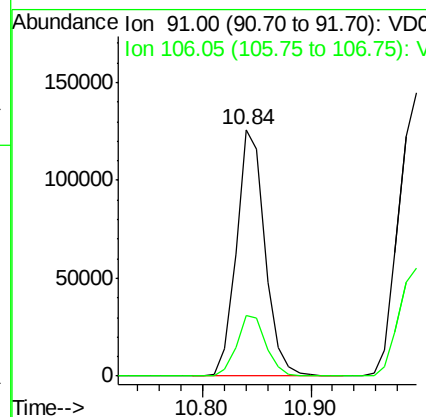
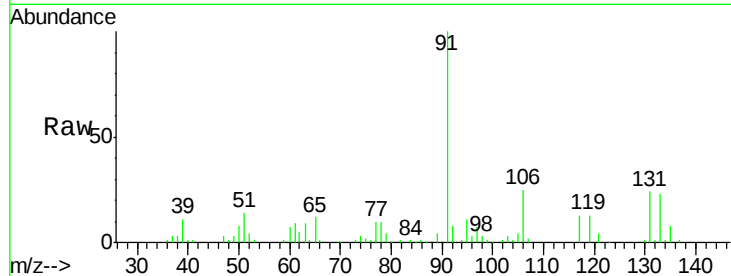




#67
Ethyl Benzene
Concen: 48.275 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

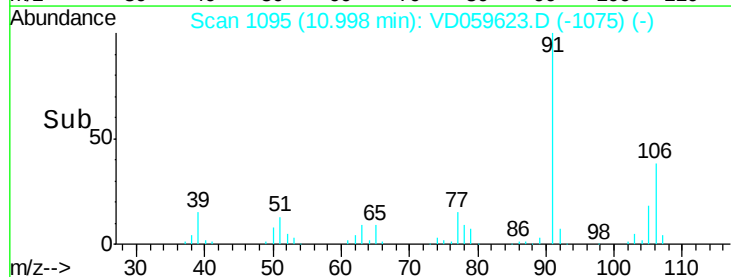
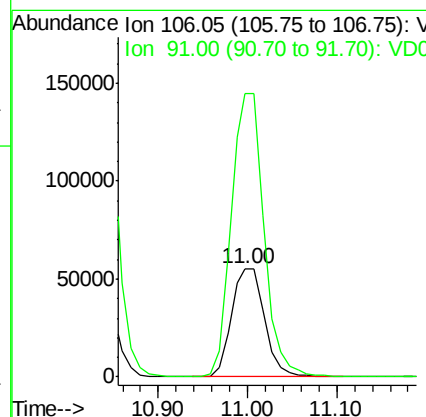
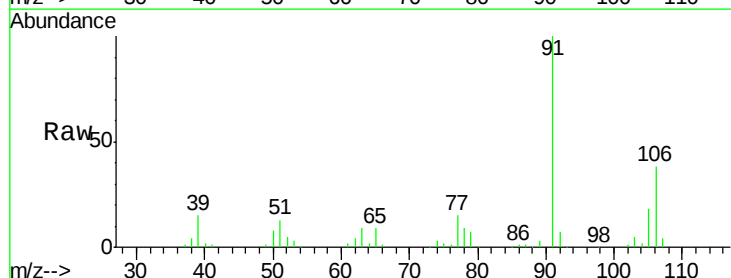
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 229704
Ion Ratio Lower Upper
91 100
106 24.8 21.6 32.4



#68
m/p-Xylenes
Concen: 90.514 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 106 Resp: 143839
Ion Ratio Lower Upper
106 100
91 260.8 198.2 297.4

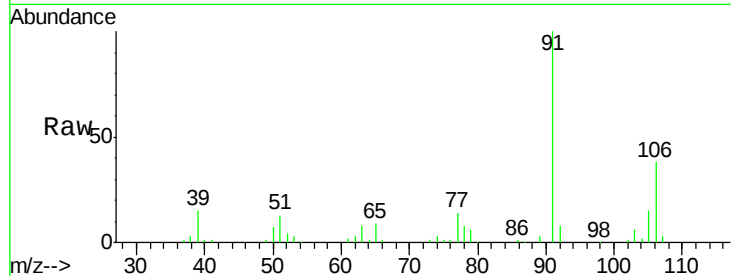




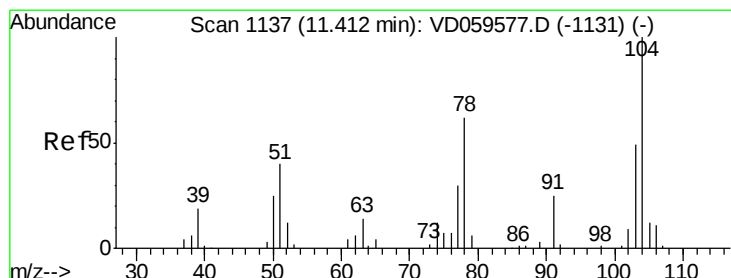
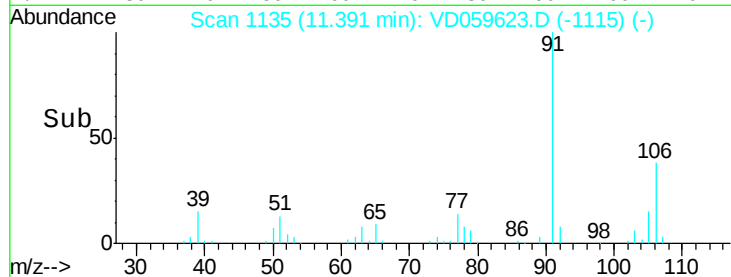
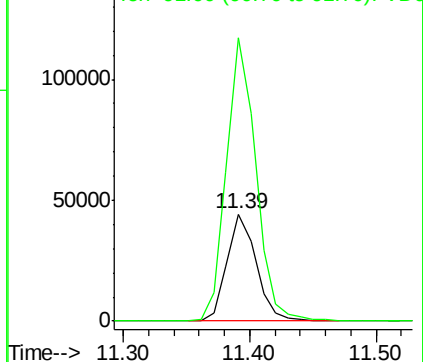
#69
o-Xylene
Concen: 45.756 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 70556
Ion Ratio Lower Upper
106 100
91 263.9 122.7 368.1

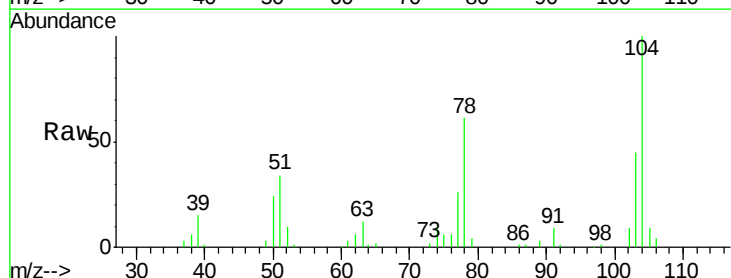


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

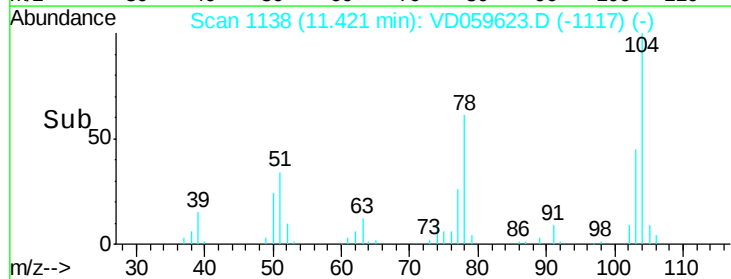
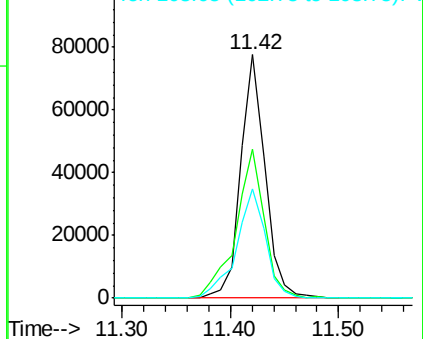


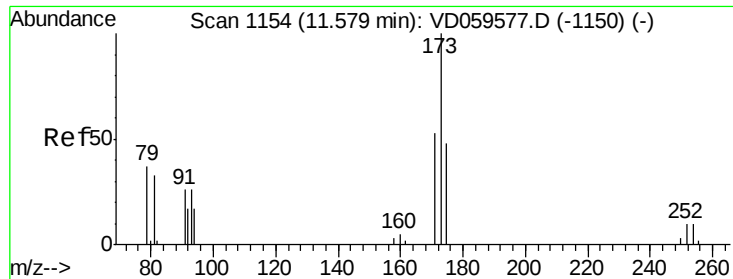
#70
Styrene
Concen: 47.553 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:104 Resp: 121580
Ion Ratio Lower Upper
104 100
78 61.1 49.4 74.0
103 45.0 39.0 58.6



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





#71

Bromoform

Concen: 52.730 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

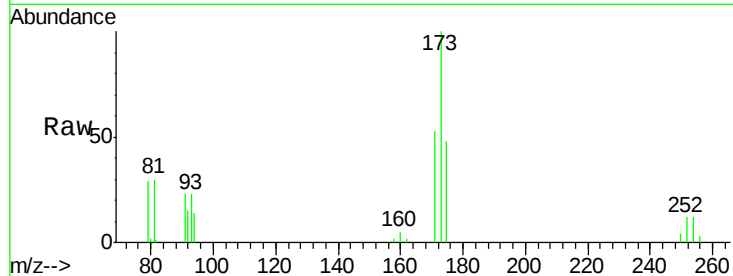
Tot Ion:173 Resp: 51698

Ion Ratio Lower Upper

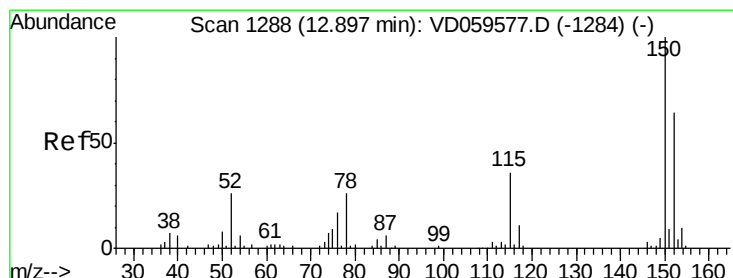
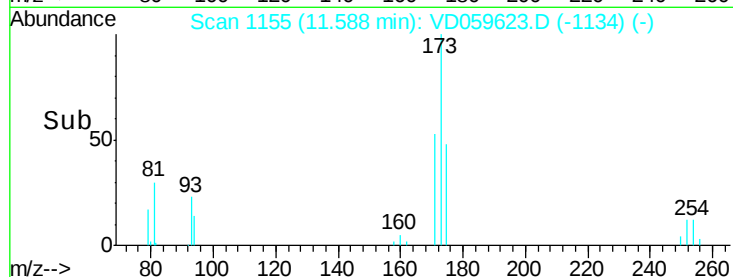
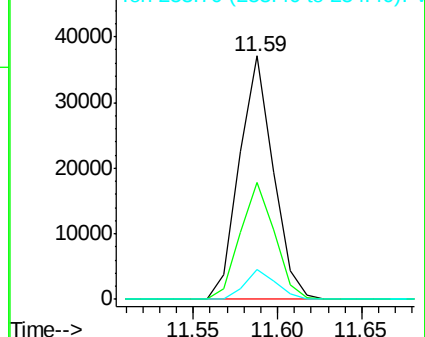
173 100

175 48.2 23.8 71.4

254 12.4 7.8 11.6#



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: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

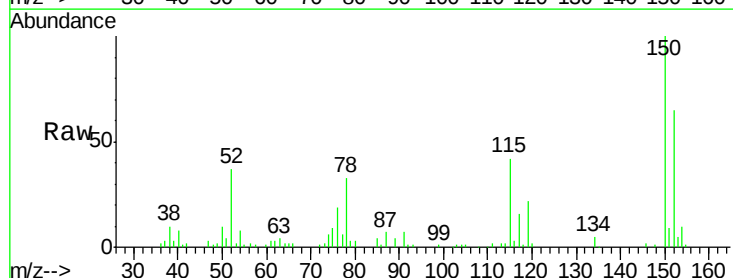
Tgt Ion:152 Resp: 67306

Ion Ratio Lower Upper

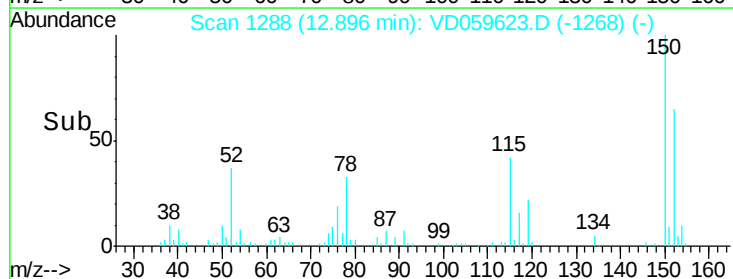
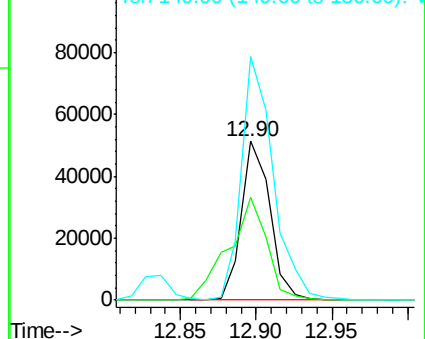
152 100

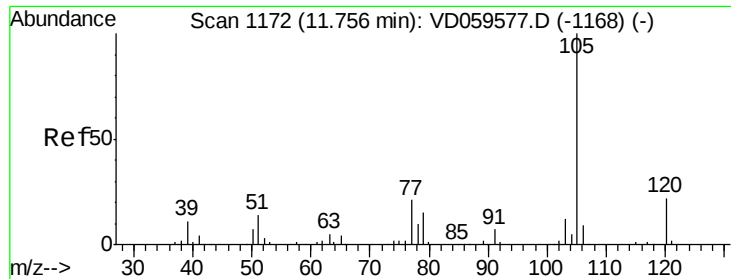
115 65.0 29.5 88.6

150 153.5 0.0 314.4



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: 48.220 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

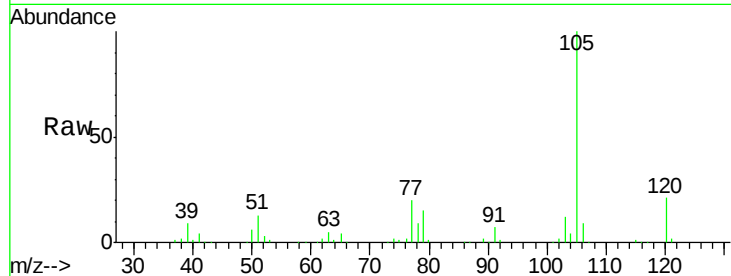
ClientSampleId :

Tot Ion:105 Resp: 229278

Ion Ratio Lower Upper

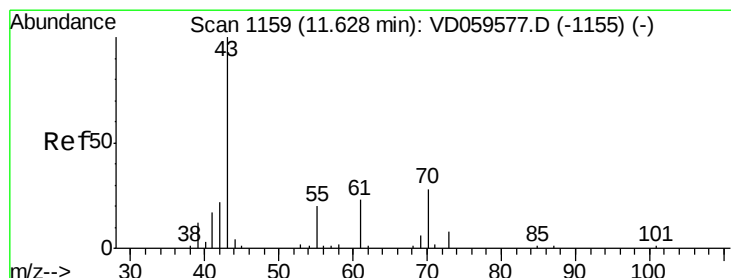
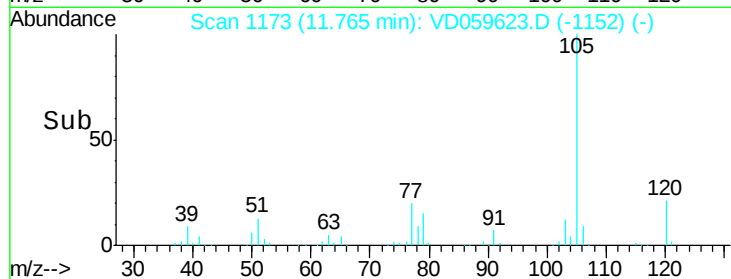
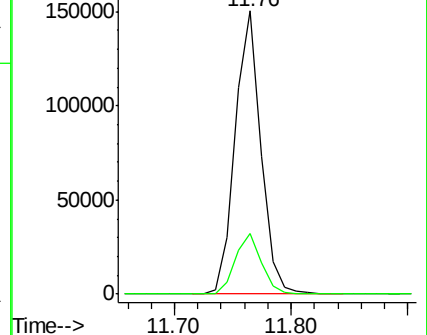
105 100

120 21.4 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: 48.640 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Tgt Ion: 43 Resp: 79241

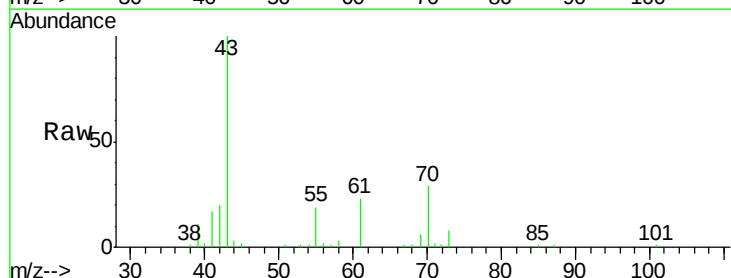
Ion Ratio Lower Upper

43 100

70 29.1 22.0 33.0

55 19.4 16.2 24.2

61 22.6 18.6 27.8

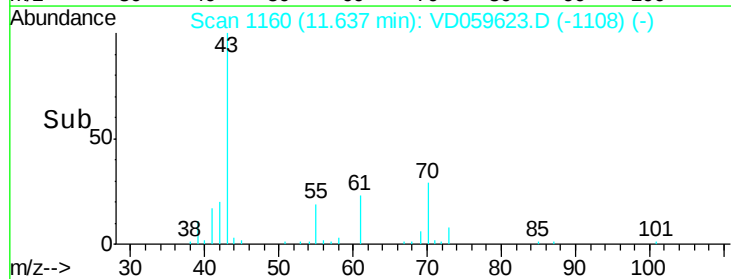
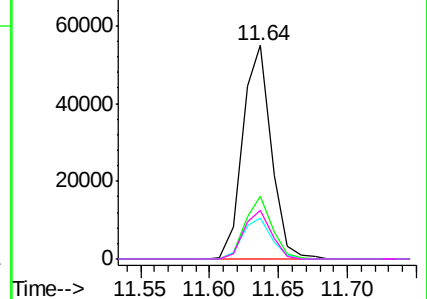


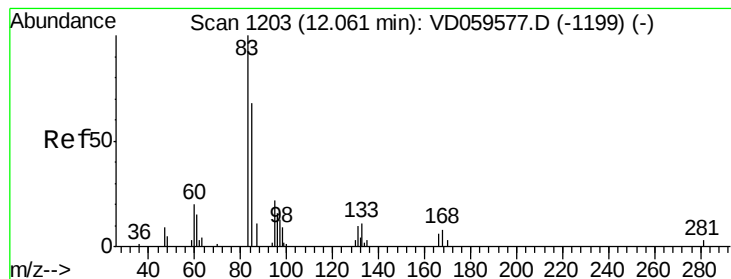
Abundance Ion 42.95 (42.65 to 43.65): V

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: 52.559 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059623.D

Acq: 27 Jul 2018 20:49

Instrument :

MSVOA_D

ClientSampleId :

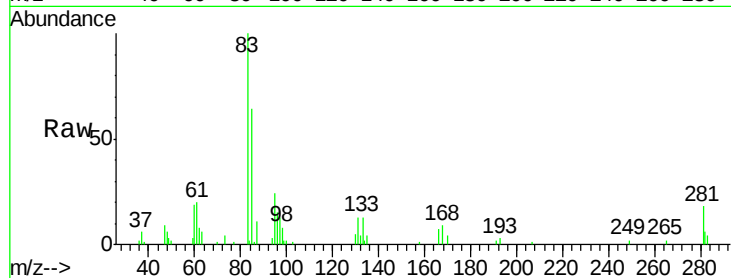
Tot Ion: 83 Resp: 51022

Ion Ratio Lower Upper

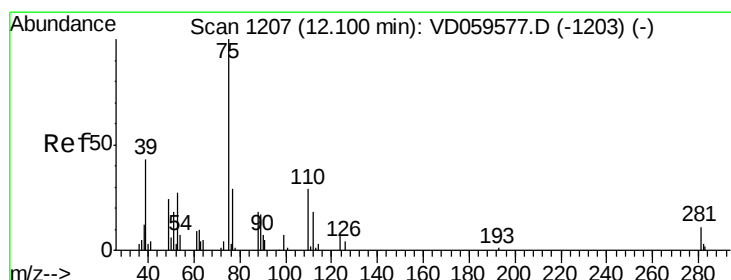
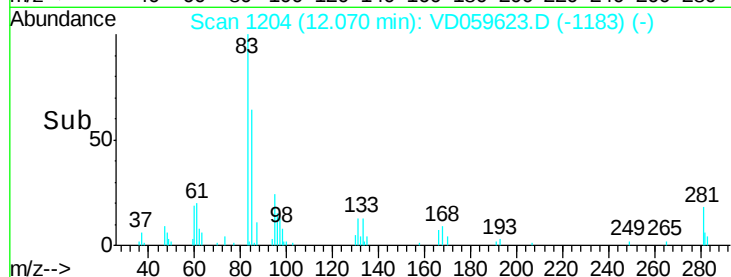
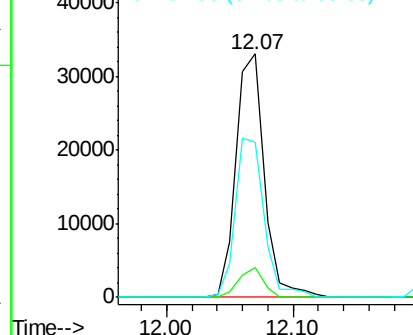
83 100

131 12.5 5.1 15.2

85 63.5 34.1 102.3



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: 52.025 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059623.D

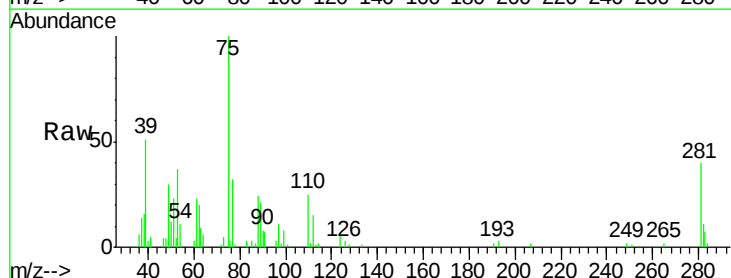
Acq: 27 Jul 2018 20:49

Tgt Ion: 75 Resp: 57906

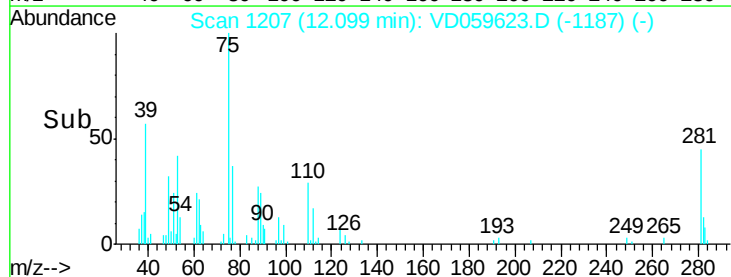
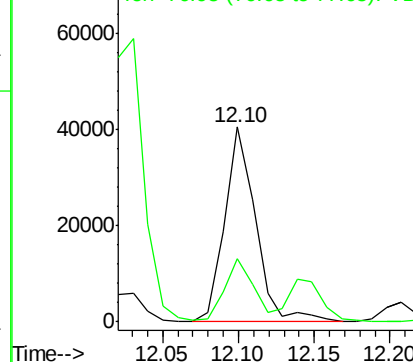
Ion Ratio Lower Upper

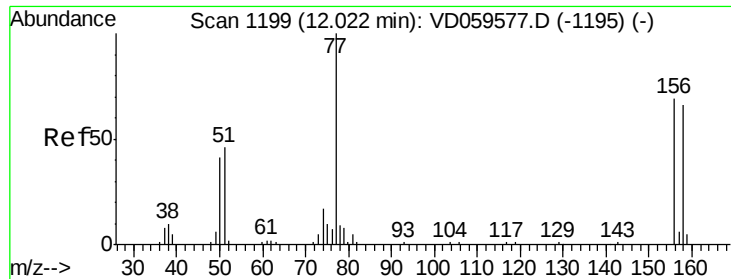
75 100

77 32.3 15.6 46.7



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

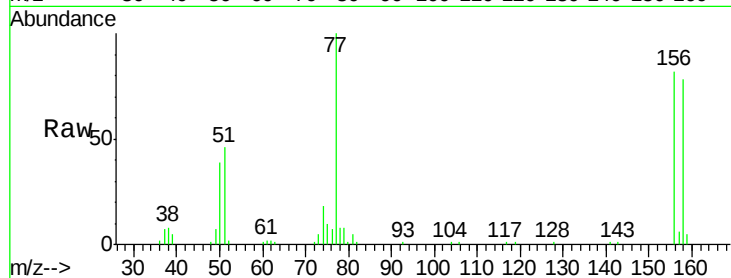




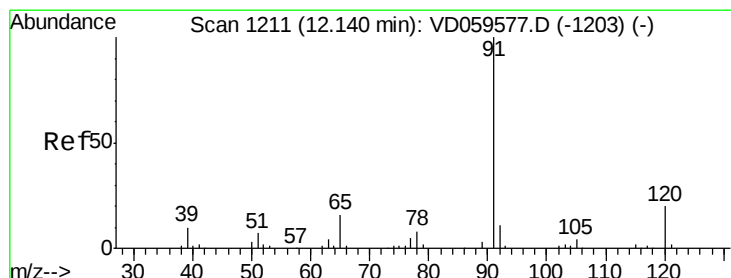
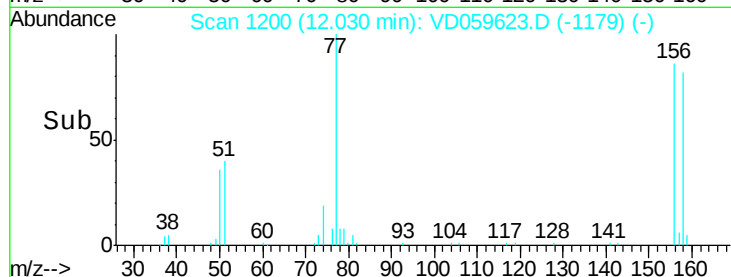
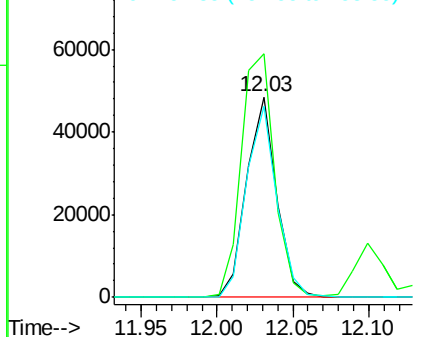
#77
Bromobenzene
Concen: 48.298 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 67226
Ion Ratio Lower Upper
156 100
77 121.6 72.4 217.2
158 95.3 48.0 144.2

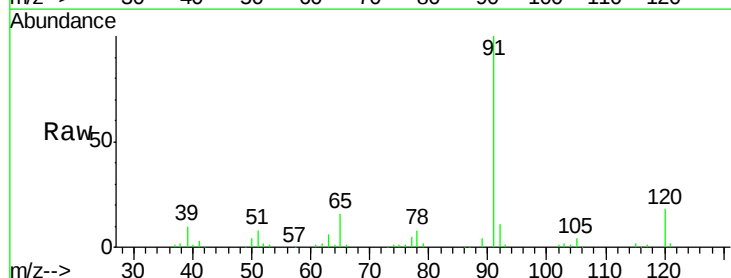


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

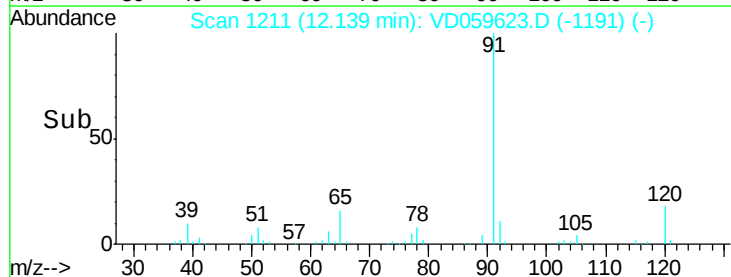
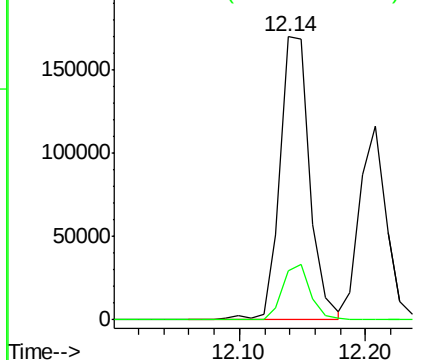


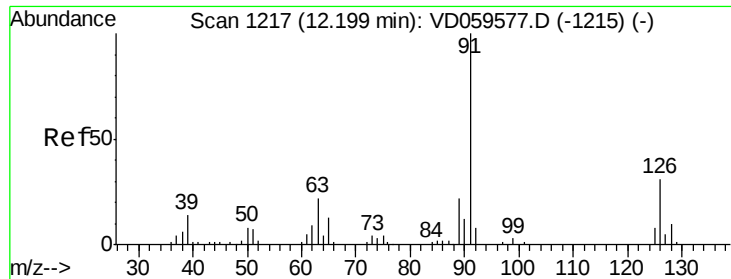
#78
n-propylbenzene
Concen: 48.306 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 91 Resp: 279076
Ion Ratio Lower Upper
91 100
120 17.5 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

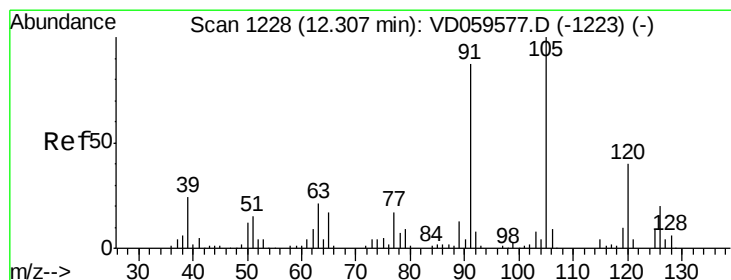
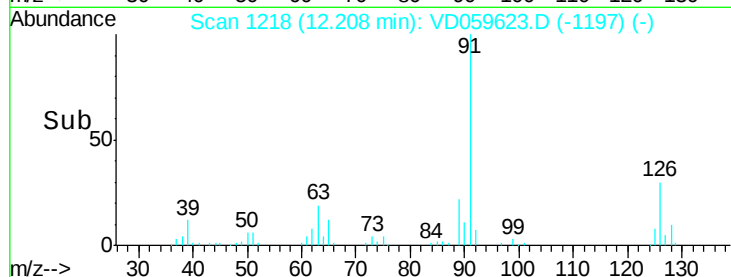
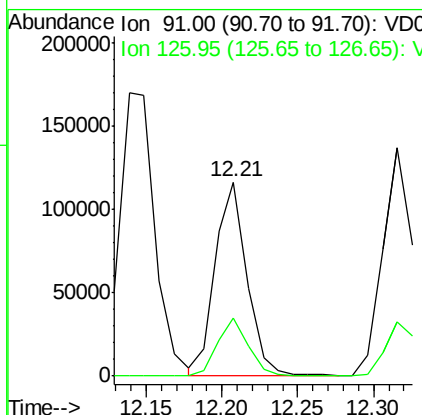
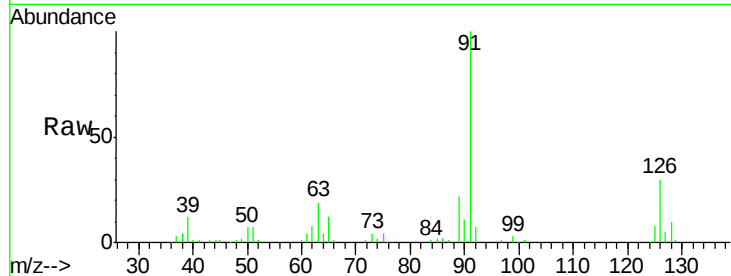




#79
 2-Chlorotoluene
 Concen: 48.859 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

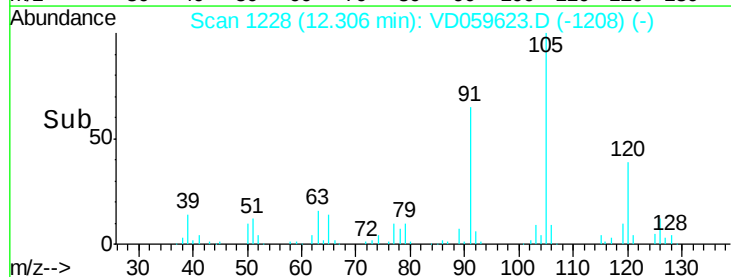
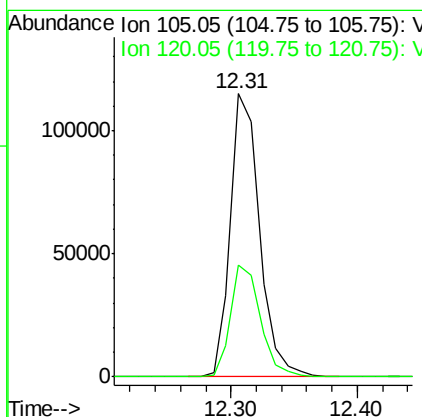
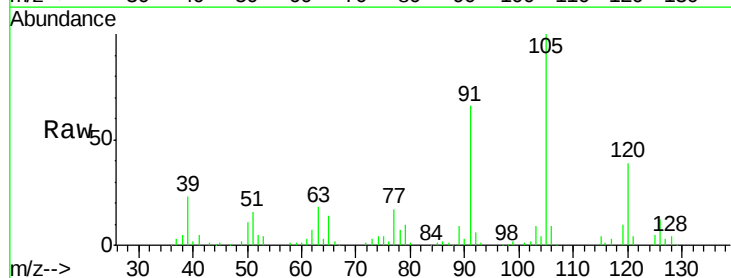
Instrument :
 MSVOA_D
 ClientSampleId :

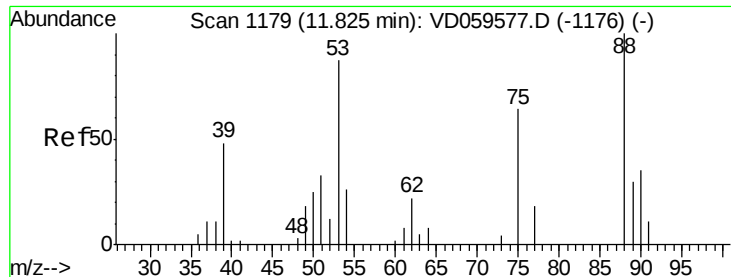
Tot Ion: 91 Resp: 168290
 Ion Ratio Lower Upper
 91 100
 126 30.0 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.747 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 105 Resp: 183001
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.9 59.6

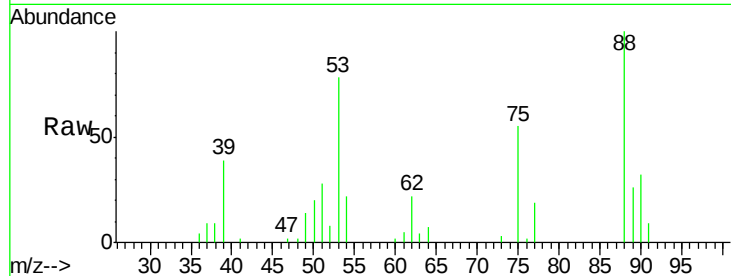




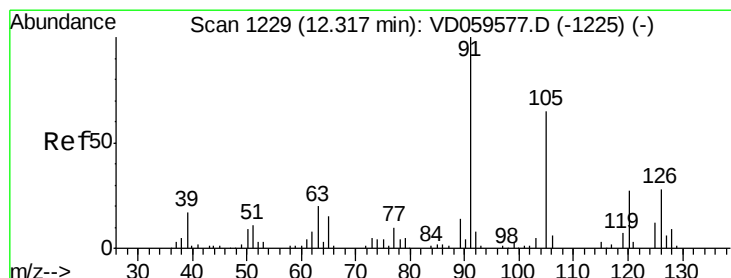
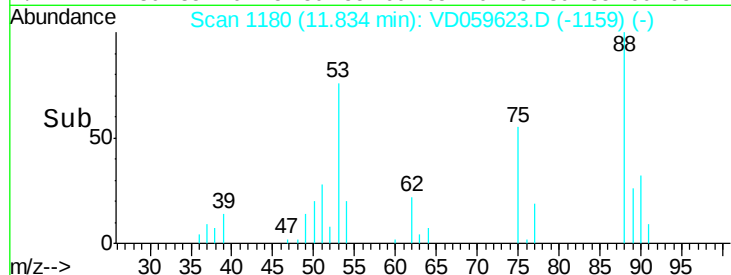
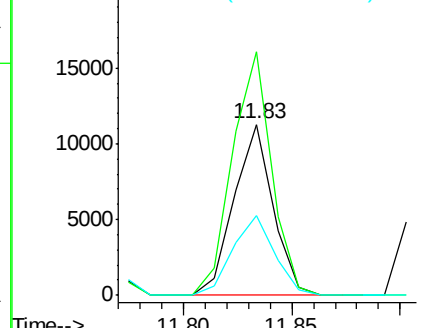
#81
trans-1,4-Dichloro-2-butene
Concen: 50.110 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 14260
Ion Ratio Lower Upper
75 100
53 142.3 107.7 161.5
89 46.5 37.3 55.9

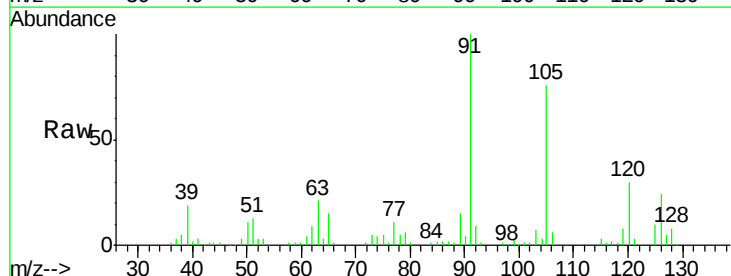


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

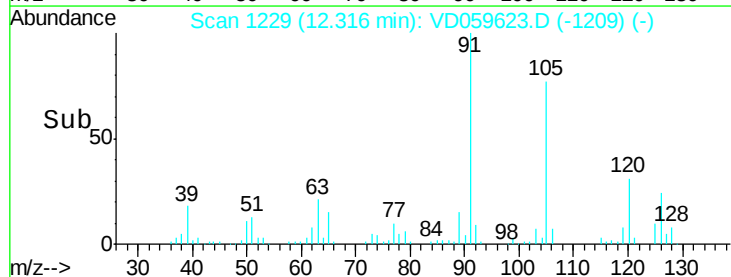
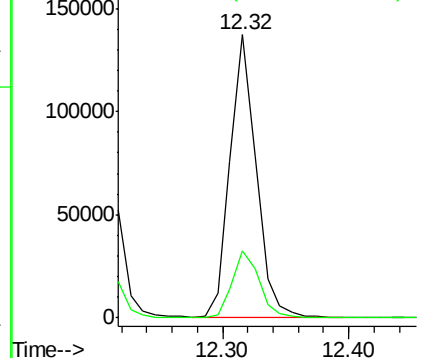


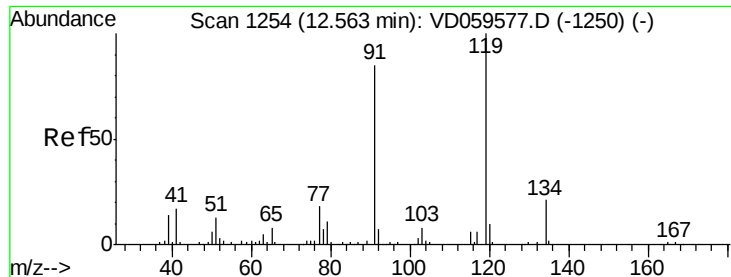
#82
4-Chlorotoluene
Concen: 50.630 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 91 Resp: 197214
Ion Ratio Lower Upper
91 100
126 23.8 14.1 42.4



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

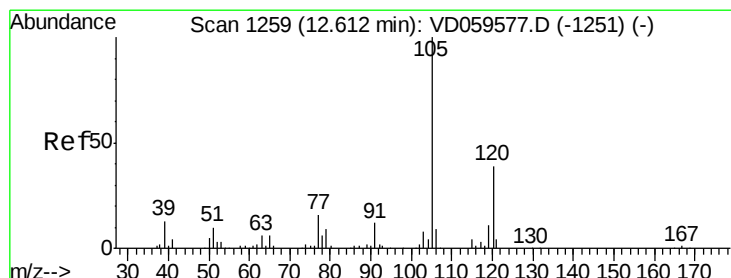
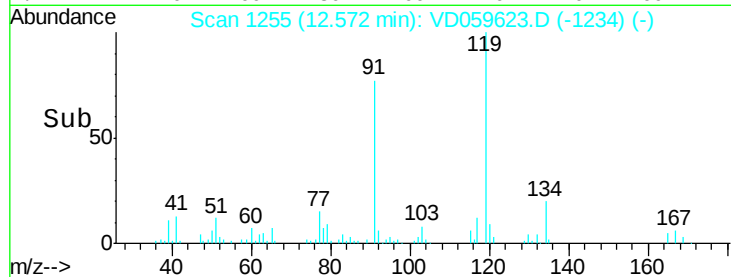
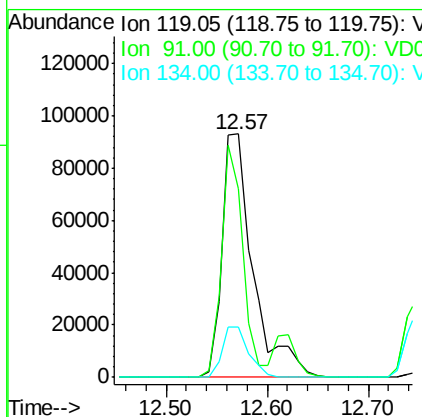
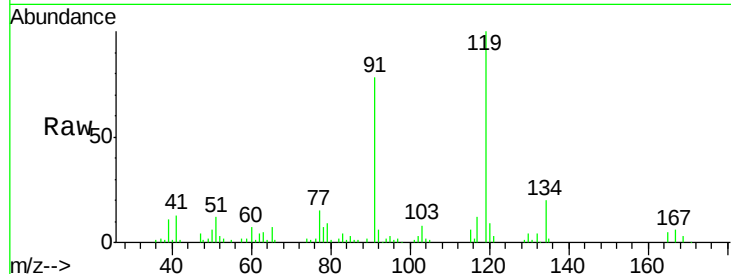




#83
 tert-Butylbenzene
 Concen: 46.986 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

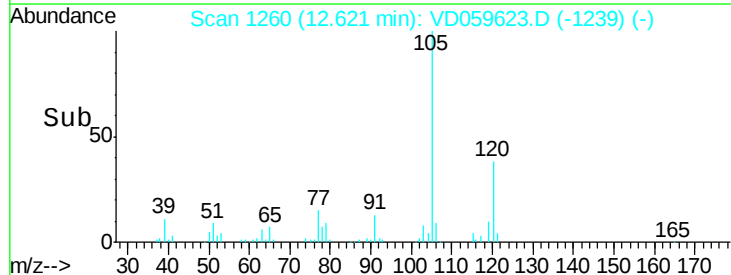
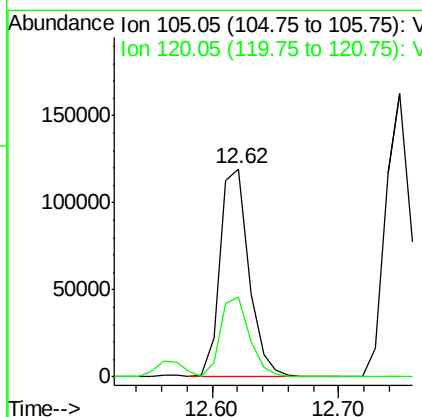
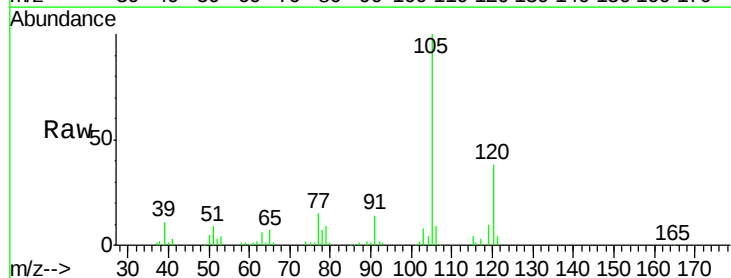
Instrument :
 MSVOA_D
 ClientSampled :

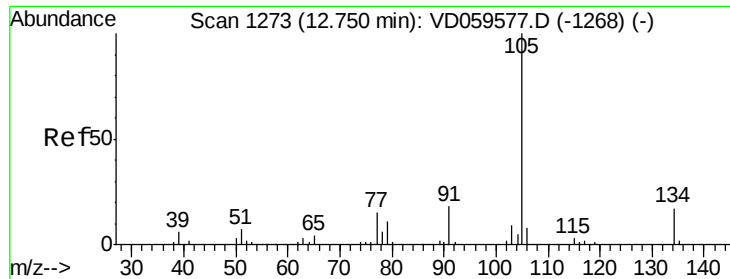
Tot Ion:119 Resp: 198576
 Ion Ratio Lower Upper
 119 100
 91 77.6 42.5 127.5
 134 20.4 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 47.688 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:105 Resp: 190304
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.3 57.9

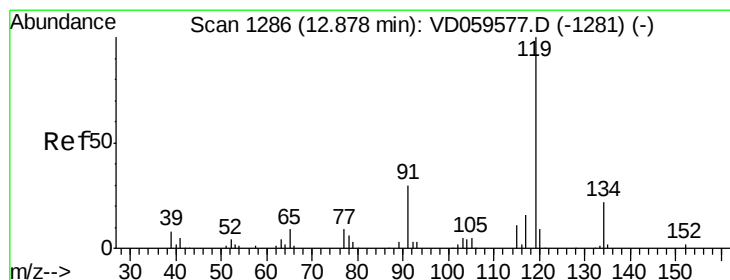
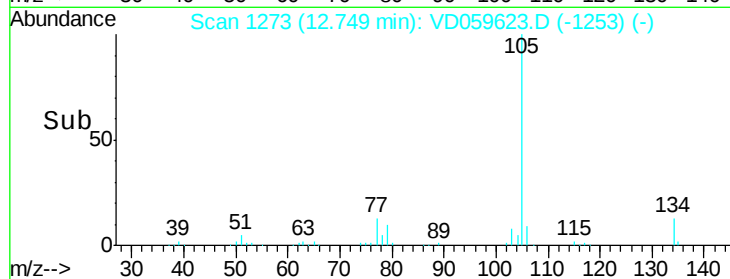
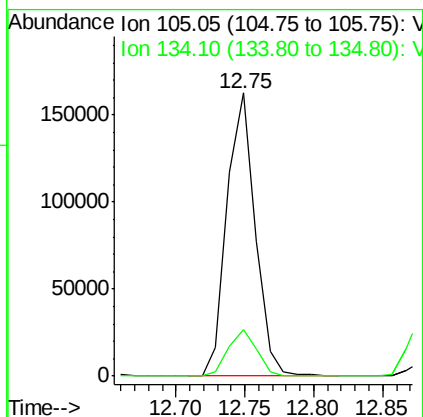
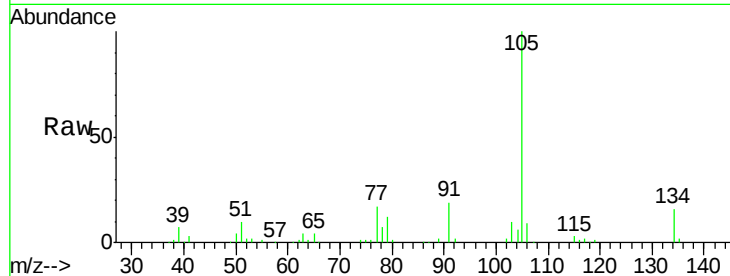




#85
 sec-Butylbenzene
 Concen: 48.008 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

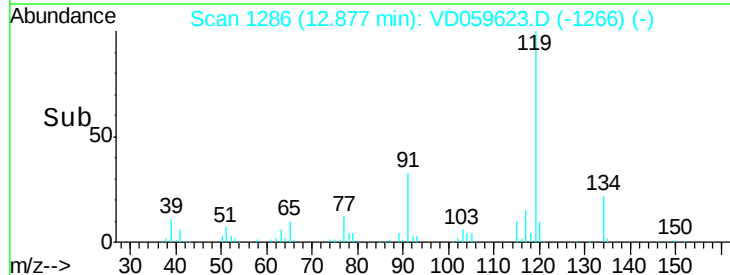
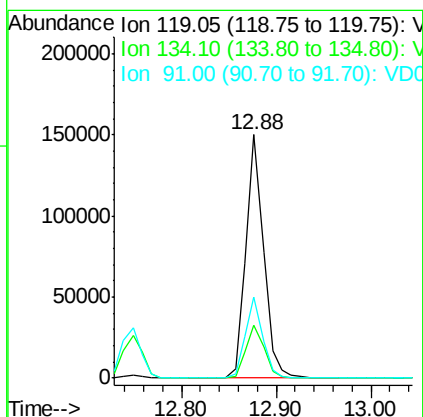
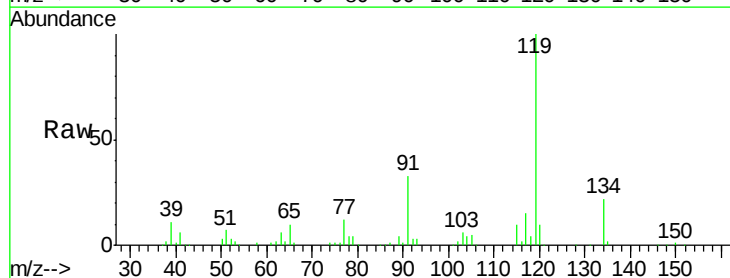
Instrument :
 MSVOA_D
 ClientSampleID :

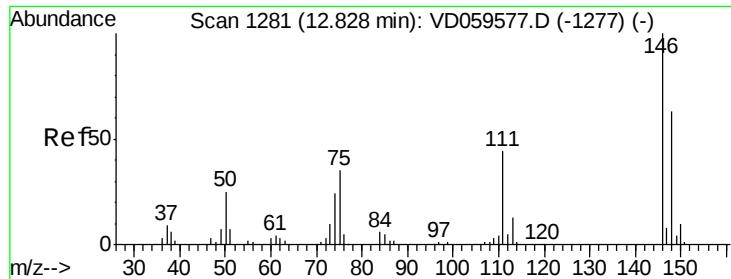
Tot Ion:105 Resp: 231855
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 47.840 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:119 Resp: 194719
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.2 33.6
 91 33.0 15.0 45.1

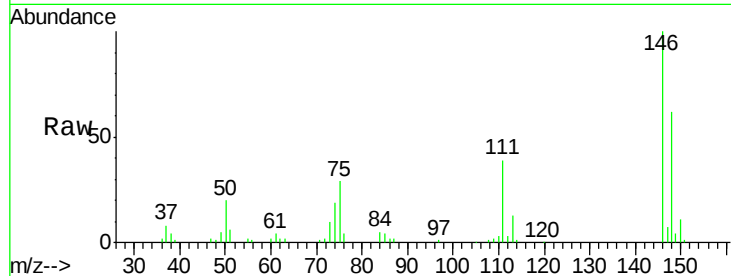




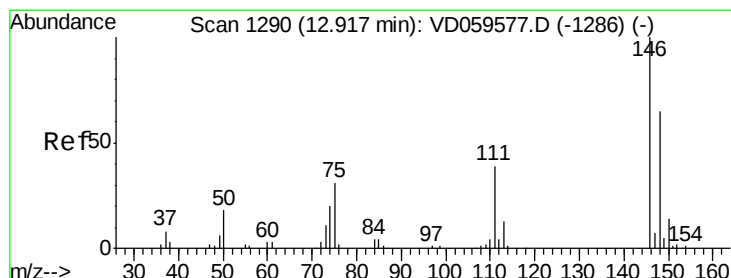
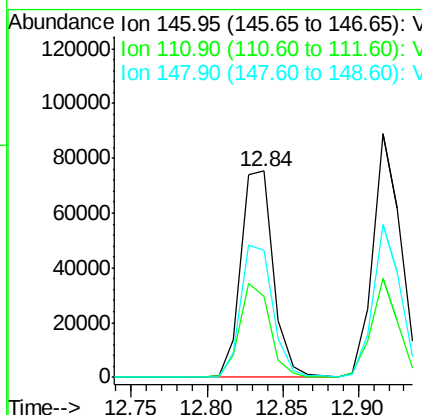
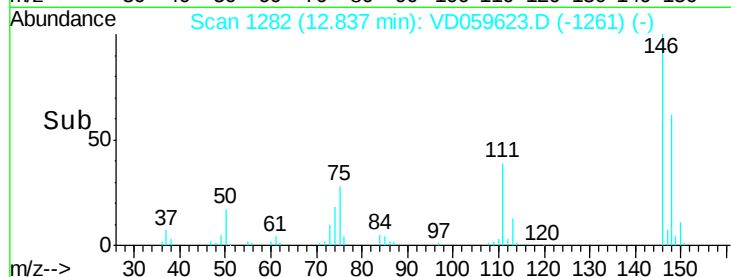
#87
 1,3-Dichlorobenzene
 Concen: 47.716 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 112329
 Ion Ratio Lower Upper
 146 100
 111 39.2 22.2 66.6
 148 61.7 31.8 95.3

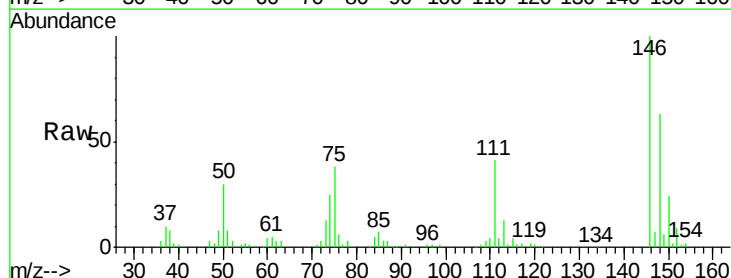


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

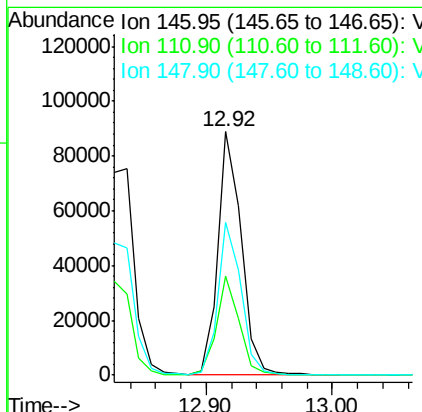
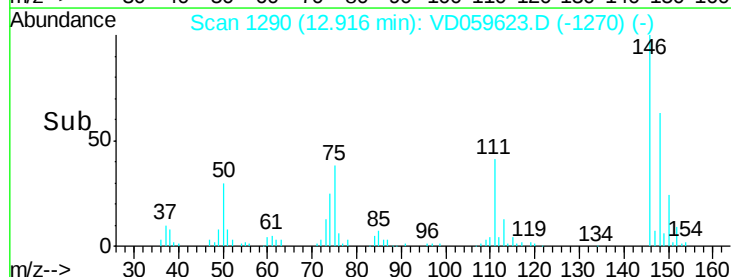


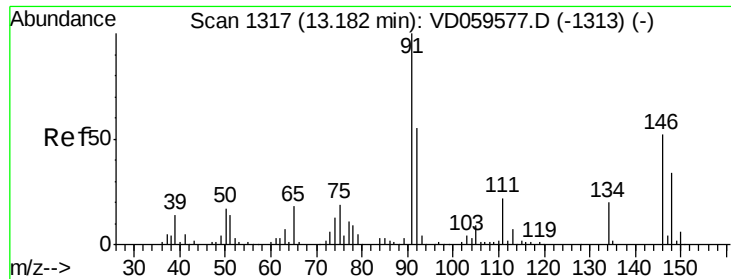
#88
 1,4-Dichlorobenzene
 Concen: 50.972 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:146 Resp: 115606
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.3 57.9
 148 63.0 32.4 97.2



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

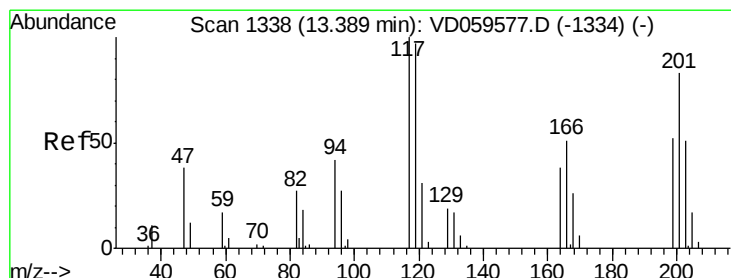
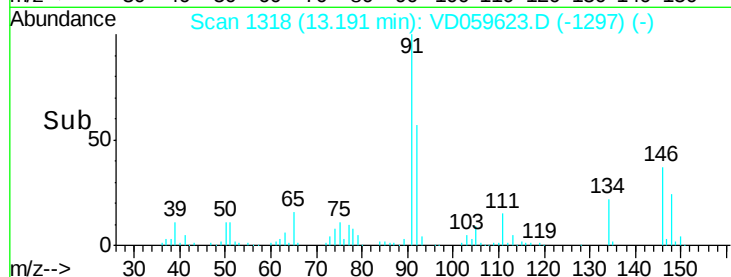
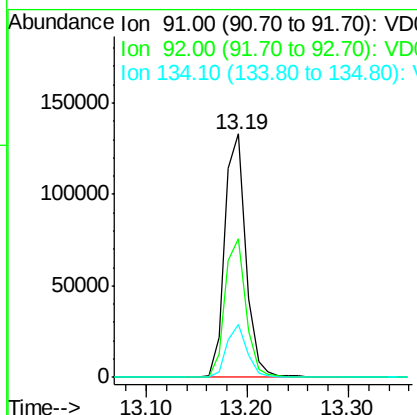
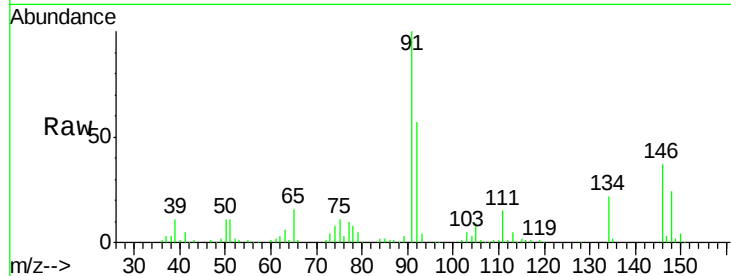




#89
n-Butylbenzene
Concen: 49.240 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

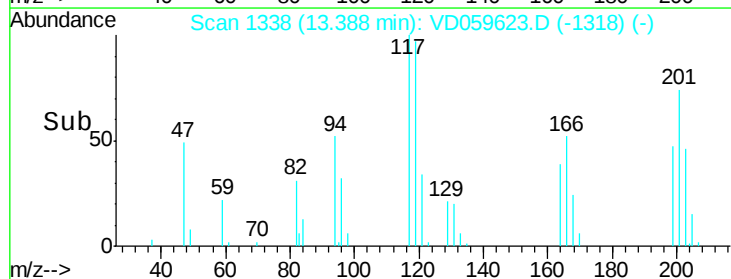
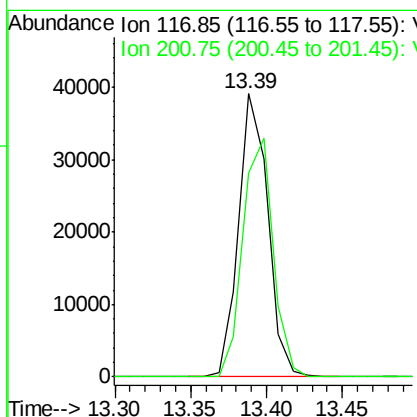
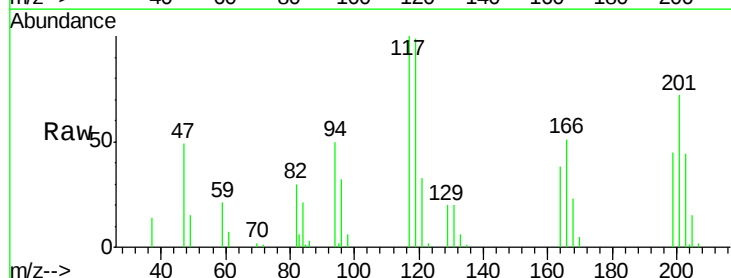
Instrument :
MSVOA_D
ClientSampleId :

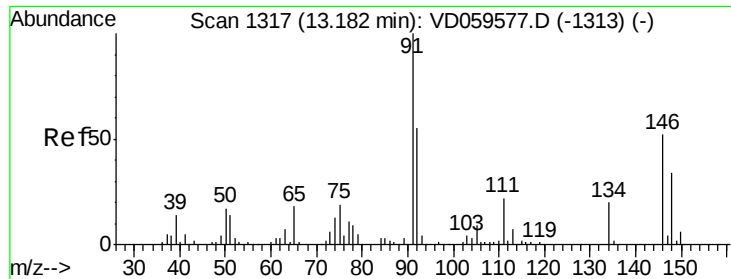
Tot Ion: 91 Resp: 193496
Ion Ratio Lower Upper
91 100
92 56.7 27.6 82.7
134 21.9 10.1 30.3



#90
Hexachloroethane
Concen: 48.092 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion: 117 Resp: 52305
Ion Ratio Lower Upper
117 100
201 72.1 41.5 124.5

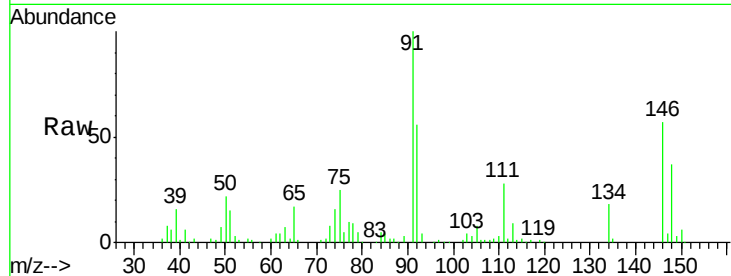




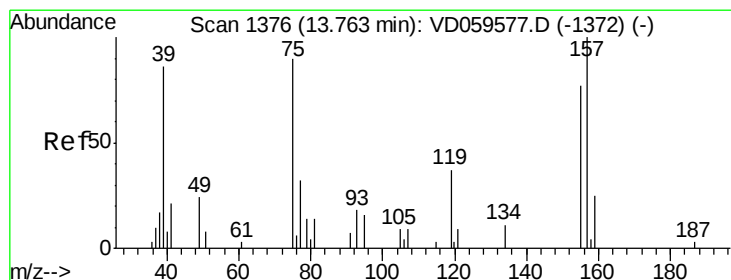
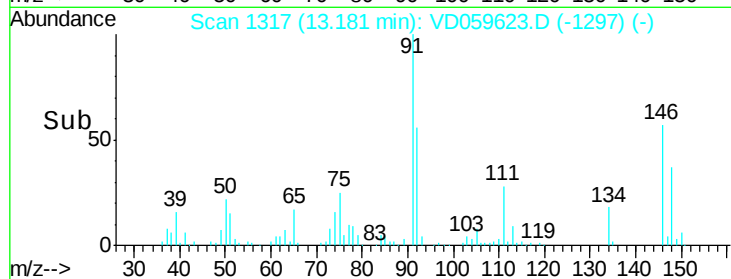
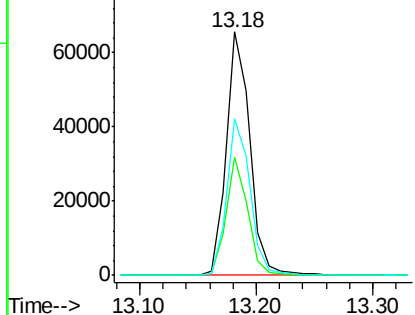
#91
 1,2-Dichlorobenzene
 Concen: 46.298 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 91449
 Ion Ratio Lower Upper
 146 100
 111 48.4 21.4 64.3
 148 64.1 32.6 98.0

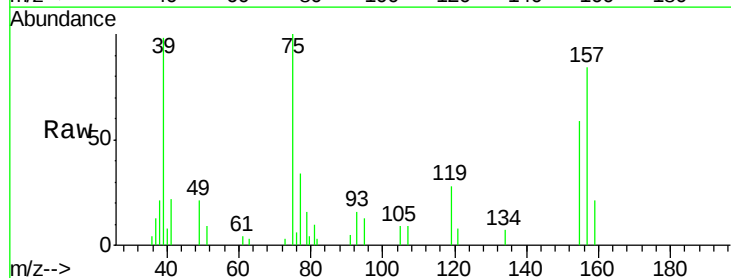


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

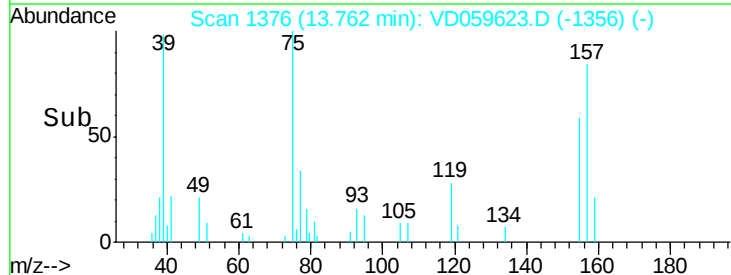
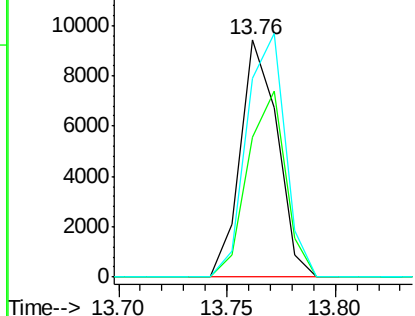


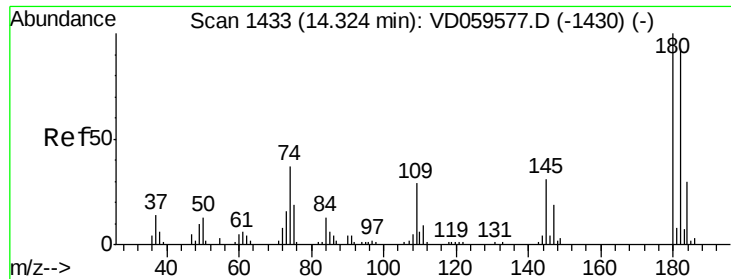
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.816 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion: 75 Resp: 11315
 Ion Ratio Lower Upper
 75 100
 155 59.1 42.5 127.5
 157 83.6 55.5 166.3



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

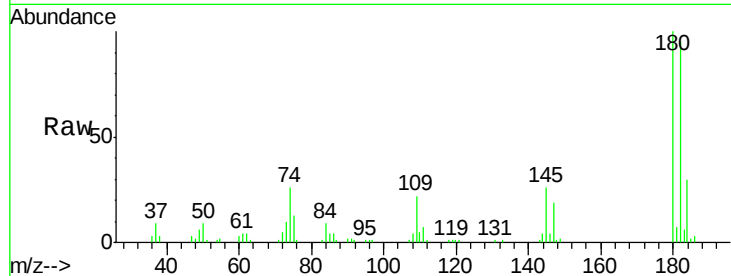




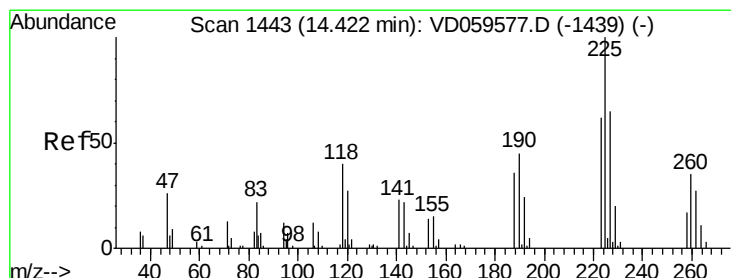
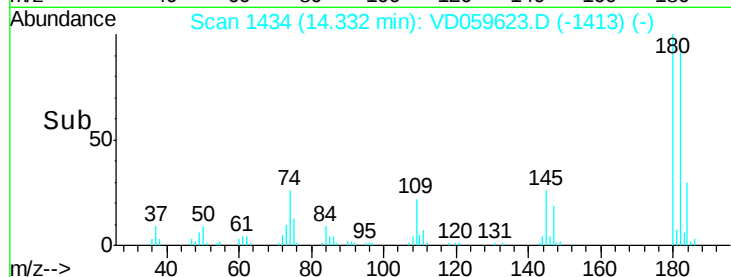
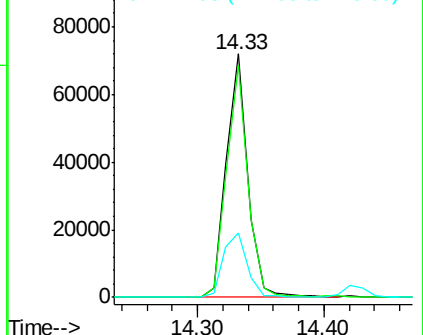
#93
 1,2,4-Trichlorobenzene
 Concen: 51.226 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 83791
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.4 139.2
 145 26.4 15.7 47.0

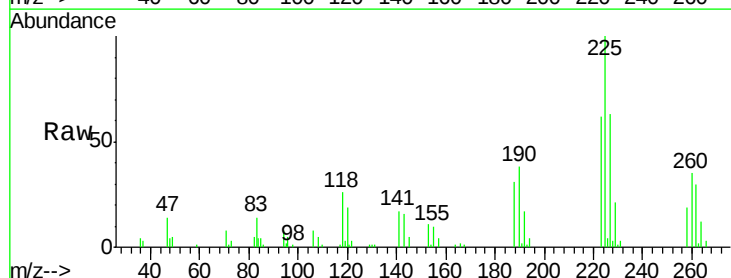


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

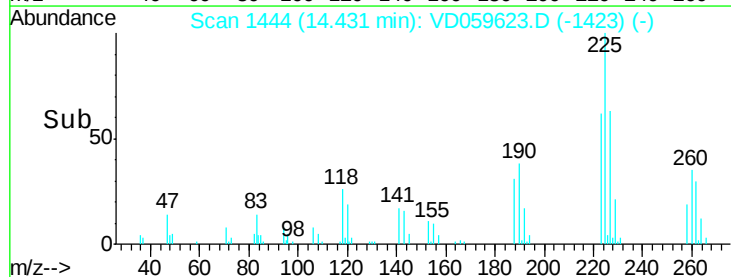
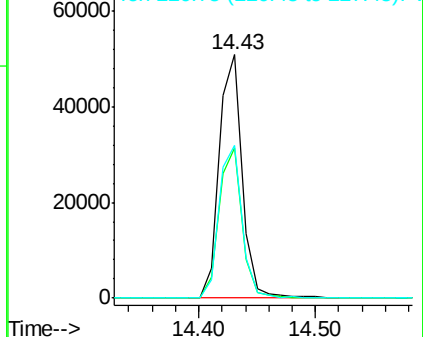


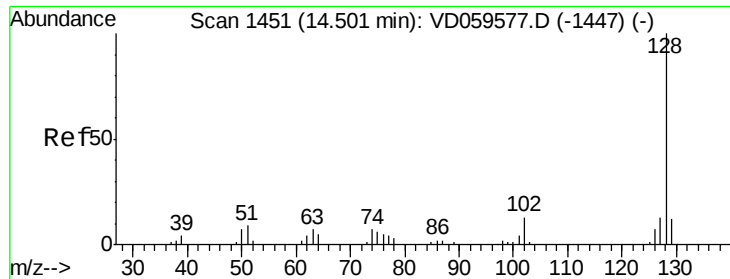
#94
 Hexachlorobutadiene
 Concen: 53.677 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059623.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:225 Resp: 69257
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.5
 227 62.9 32.4 97.2



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

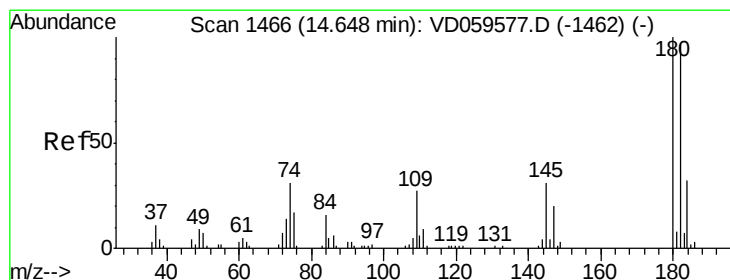
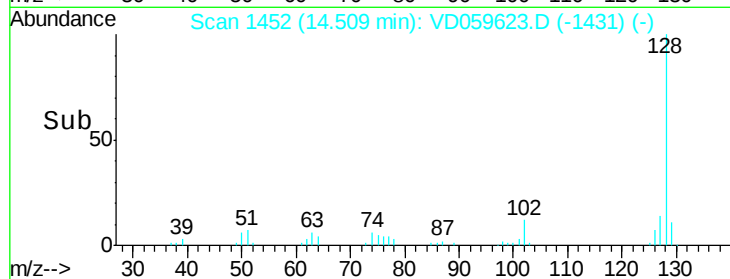
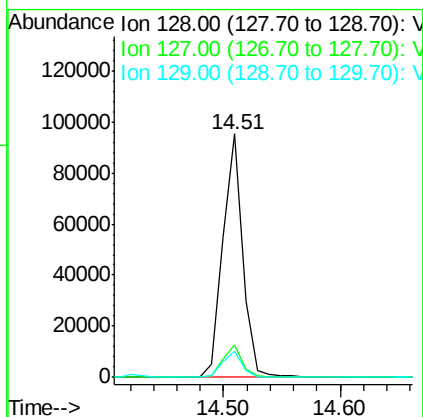
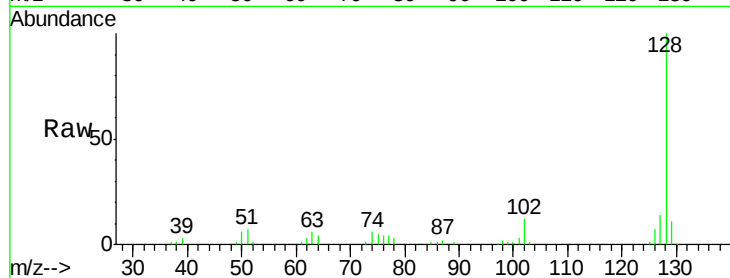




#95
Naphthalene
Concen: 48.436 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 112676
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.9 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 49.606 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059623.D
Acq: 27 Jul 2018 20:49

Tgt Ion:180 Resp: 73423
Ion Ratio Lower Upper
180 100
182 98.7 48.6 145.9
145 27.3 15.6 46.7

