

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059994.D
 Acq On : 13 Sep 2018 12:45
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 15:37:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1538798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2099034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1740821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	927368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	128337	10.08	ug/l	0.00
Spiked Amount			Recovery	=	20.16%	
35) Dibromofluoromethane	6.29	113	165899	10.13	ug/l	0.00
Spiked Amount			Recovery	=	20.26%	
50) Toluene-d8	9.43	98	473624	10.48	ug/l	0.00
Spiked Amount			Recovery	=	20.96%	
62) 4-Bromofluorobenzene	12.41	95	187024	10.22	ug/l	0.00
Spiked Amount			Recovery	=	20.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	133735	9.280	ug/l	95
3) Chloromethane	1.74	50	141186	11.069	ug/l	96
4) Vinyl Chloride	1.83	62	112438	11.184	ug/l	96
5) Bromomethane	2.12	94	16441	9.350	ug/l	96
6) Chloroethane	2.23	64	33783	10.933	ug/l	94
7) Trichlorofluoromethane	2.48	101	133221	11.347	ug/l	98
8) Diethyl Ether	2.80	74	28619	11.067	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	84294	11.685	ug/l	97
10) Methyl Iodide	3.21	142	68381	10.253	ug/l	96
11) Tert butyl alcohol	3.94	59	52963	54.268	ug/l	96
12) 1,1-Dichloroethene	3.04	96	66781	11.898	ug/l	95
13) Acrolein	2.95	56	32934	74.448	ug/l	98
14) Allyl chloride	3.51	41	139637	11.176	ug/l	97
15) Acrylonitrile	4.06	53	198621	53.833	ug/l	97
16) Acetone	3.13	43	131051	56.219	ug/l	98
17) Carbon Disulfide	3.28	76	215875	12.157	ug/l	99
18) Methyl Acetate	3.53	43	50381	10.297	ug/l	93
19) Methyl tert-butyl Ether	4.09	73	315306	10.419	ug/l	99
20) Methylene Chloride	3.68	84	231420	12.168	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	173353	11.313	ug/l	93
22) Diisopropyl ether	4.82	45	644597	10.325	ug/l	99
23) Vinyl Acetate	4.78	43	1933684	55.468	ug/l	99
24) 1,1-Dichloroethane	4.72	63	286356	10.530	ug/l	99
25) 2-Butanone	5.59	43	392735	58.340	ug/l	98
26) 2,2-Dichloropropane	5.55	77	231257	10.239	ug/l	96
27) cis-1,2-Dichloroethene	5.56	96	181667	10.953	ug/l	99
28) Bromochloromethane	5.90	49	142167	11.122	ug/l	98
29) Tetrahydrofuran	5.93	42	185084	55.633	ug/l	98
30) Chloroform	6.07	83	288152	10.408	ug/l	99
31) Cyclohexane	6.34	56	295683	11.643	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	240009	10.240	ug/l	98
36) 1,1-Dichloropropene	6.50	75	227601	11.688	ug/l	99
37) Ethyl Acetate	5.67	43	161143	10.937	ug/l	98
38) Carbon Tetrachloride	6.47	117	205152	10.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.01	83	244534	11.517	ug/l	97
40) Benzene	6.76	78	571942	11.275	ug/l	100
41) Methacrylonitrile	5.93	41	183904	24.582	ug/l #	81
42) 1,2-Dichloroethane	6.86	62	165465	10.383	ug/l	100
43) Isopropyl Acetate	8.33	43	202744	10.507	ug/l #	99
44) Trichloroethene	7.72	130	169202	11.253	ug/l	99
45) 1,2-Dichloropropane	8.07	63	146654	10.466	ug/l	99
46) Dibromomethane	8.19	93	97349	10.794	ug/l	97
47) Bromodichloromethane	8.47	83	205523	10.156	ug/l	99
48) Methyl methacrylate	8.22	41	115549	10.289	ug/l	98
49) 1,4-Dioxane	8.21	88	23061	226.635	ug/l #	88
51) 4-Methyl-2-Pentanone	9.32	43	834726	60.675	ug/l	99
52) Toluene	9.53	92	361893	11.150	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	195478	10.471	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	233592	10.658	ug/l	95
55) 1,1,2-Trichloroethane	10.16	97	127279	10.878	ug/l	94
56) Ethyl methacrylate	10.01	69	139449	10.405	ug/l	97
57) 1,3-Dichloropropane	10.37	76	181321	10.693	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	358834	55.894	ug/l	98
59) 2-Hexanone	10.47	43	609867	60.112	ug/l	97
60) Dibromochloromethane	10.62	129	146491	9.978	ug/l	100
61) 1,2-Dibromoethane	10.74	107	125478	10.615	ug/l	95
64) Tetrachloroethene	10.24	164	164104	11.749	ug/l	96
65) Chlorobenzene	11.30	112	403637	11.368	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	140232	10.959	ug/l	98
67) Ethyl Benzene	11.42	91	700577	11.811	ug/l	98
68) m/p-Xylenes	11.55	106	517701	23.740	ug/l	89
69) o-Xylene	11.92	106	247387	11.631	ug/l	98
70) Styrene	11.94	104	413028	11.293	ug/l	96
71) Bromoform	12.11	173	107674	9.742	ug/l	99
73) Isopropylbenzene	12.26	105	681362	11.296	ug/l	98
74) N-amyl acetate	12.12	43	266910	10.360	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.55	83	150029	10.821	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	147676	10.225	ug/l	96
77) Bromobenzene	12.53	156	189716	11.354	ug/l	96
78) n-propylbenzene	12.63	91	854289	11.235	ug/l	99
79) 2-Chlorotoluene	12.70	91	472376	10.999	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	518332	10.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	44149	9.902	ug/l	98
82) 4-Chlorotoluene	12.80	91	538783	11.066	ug/l	99
83) tert-Butylbenzene	13.03	119	587826	10.841	ug/l	90
84) 1,2,4-Trimethylbenzene	13.08	105	552678	11.149	ug/l	99
85) sec-Butylbenzene	13.21	105	699158	10.990	ug/l	99
86) p-Isopropyltoluene	13.33	119	560712	10.736	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	335741	11.263	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	347573	11.644	ug/l	96
89) n-Butylbenzene	13.63	91	606720	11.629	ug/l	96
90) Hexachloroethane	13.85	117	130785	9.454	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	300230	11.950	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	21009	10.133	ug/l	87

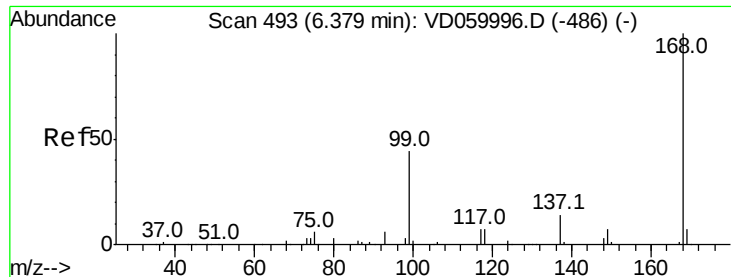
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	227872	10.546	ug/l	97
94) Hexachlorobutadiene	14.87	225	154651	10.884	ug/l	99
95) Naphthalene	14.96	128	351113	10.681	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	202371	10.922	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

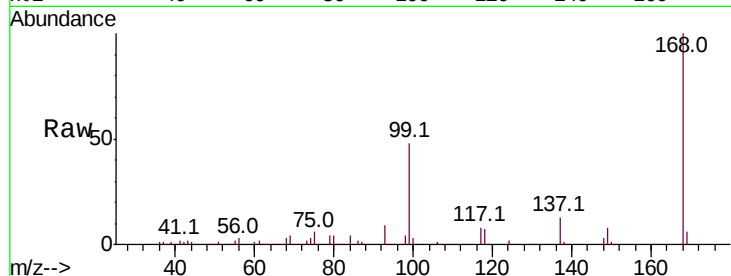
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1538798

Ion Ratio Lower Upper

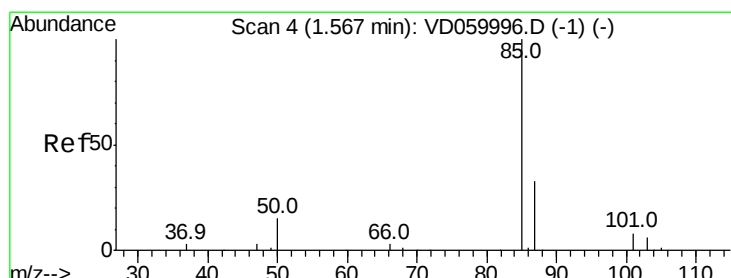
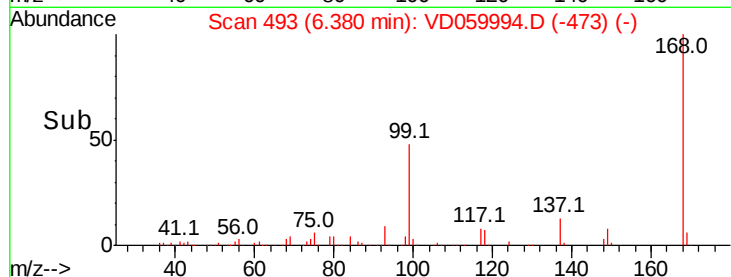
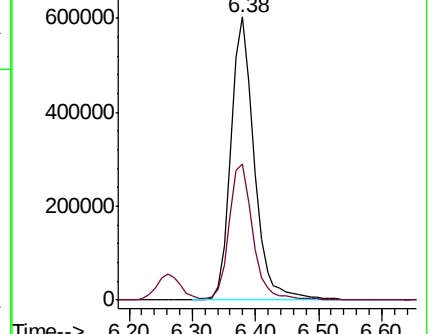
168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.280 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD059994.D

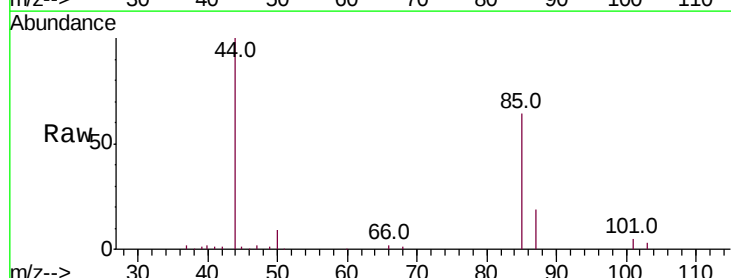
Acq: 13 Sep 2018 12:45

Tgt Ion: 85 Resp: 133735

Ion Ratio Lower Upper

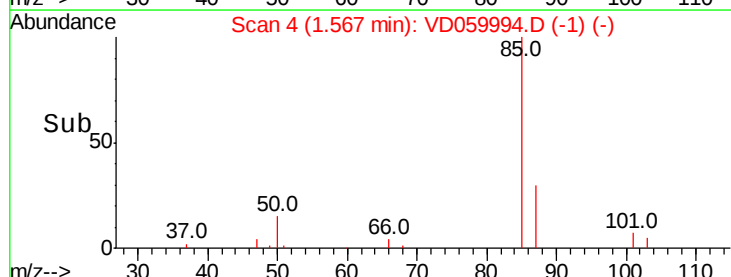
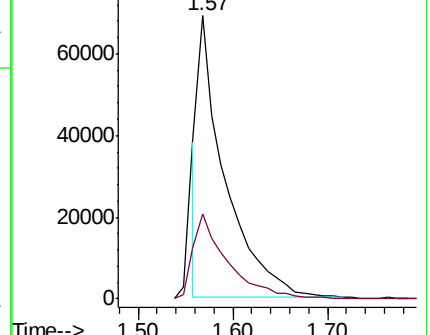
85 100

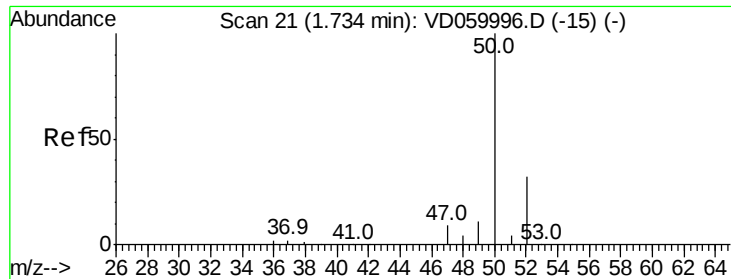
87 30.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.069 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

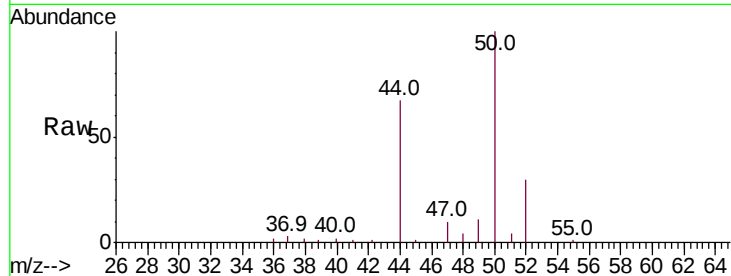
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 141186

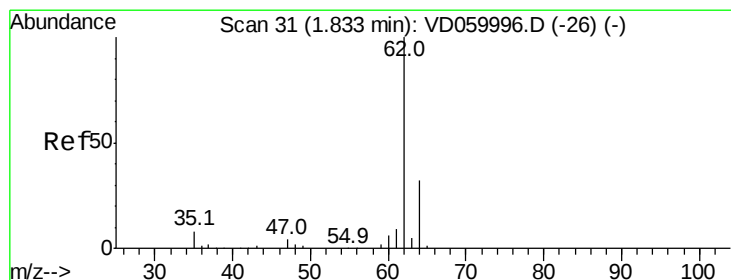
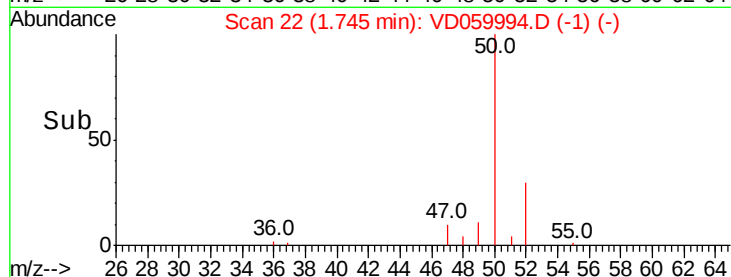
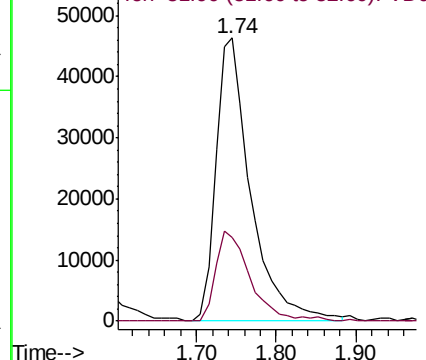
Ion Ratio Lower Upper

50 100

52 29.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.184 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD059994.D

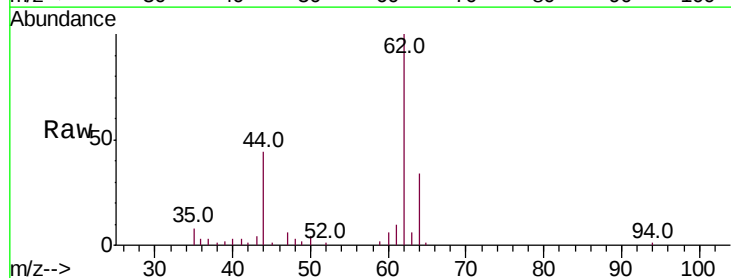
Acq: 13 Sep 2018 12:45

Tgt Ion: 62 Resp: 112438

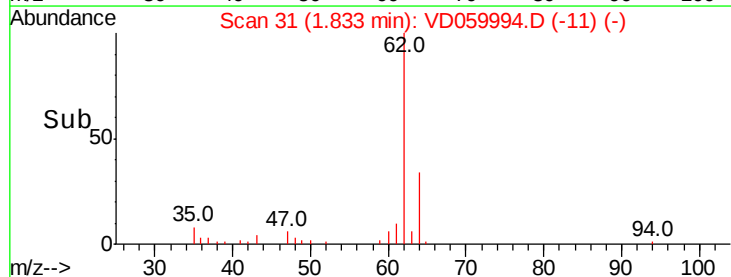
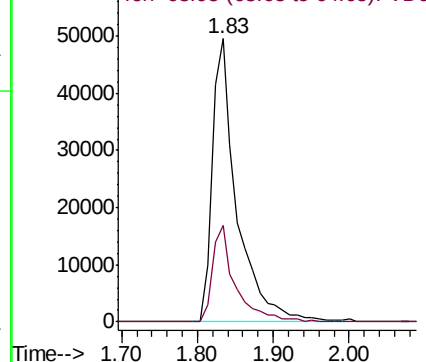
Ion Ratio Lower Upper

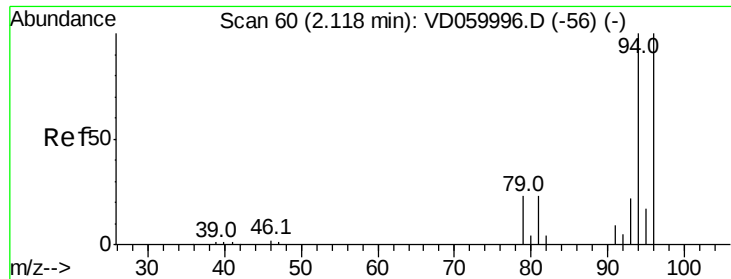
62 100

64 33.9 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.350 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

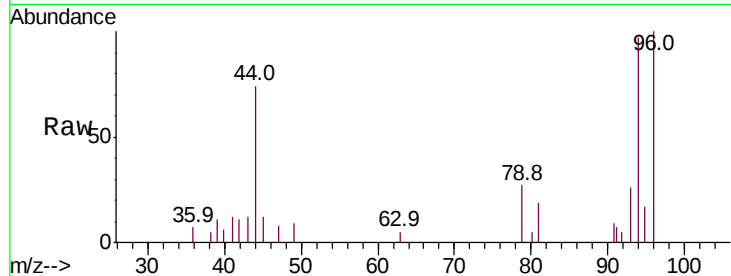
ClientSampleId :

Tot Ion: 94 Resp: 16441

Ion Ratio Lower Upper

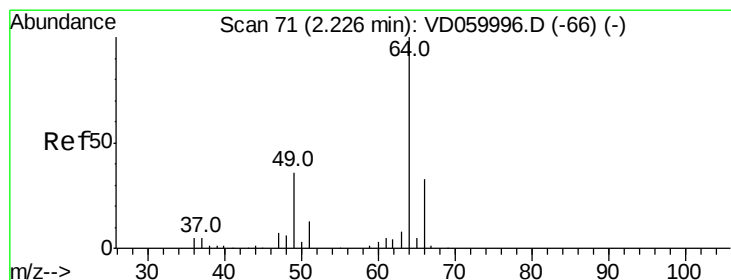
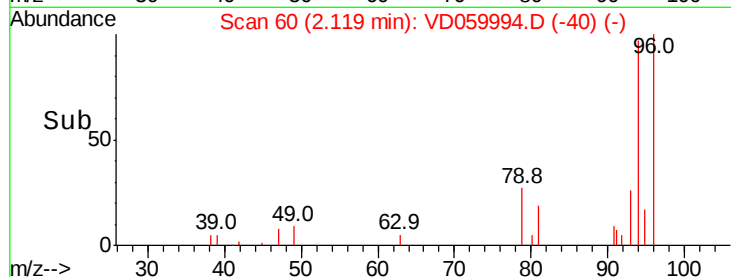
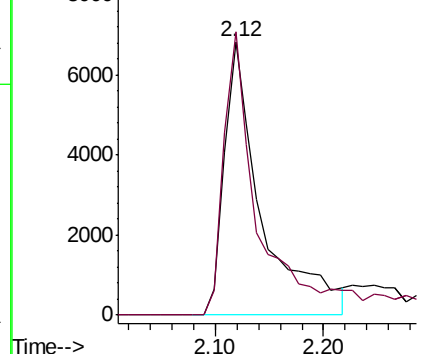
94 100

96 103.6 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.933 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD059994.D

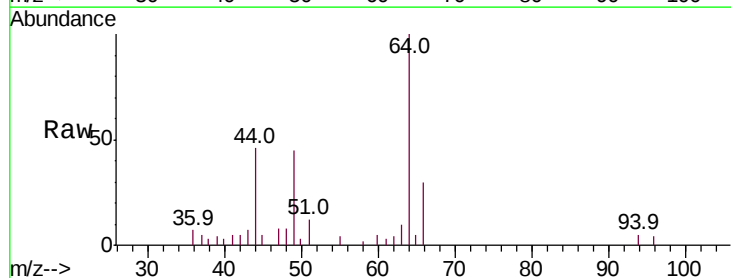
Acq: 13 Sep 2018 12:45

Tgt Ion: 64 Resp: 33783

Ion Ratio Lower Upper

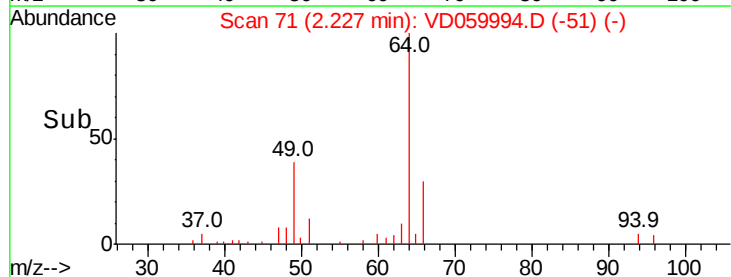
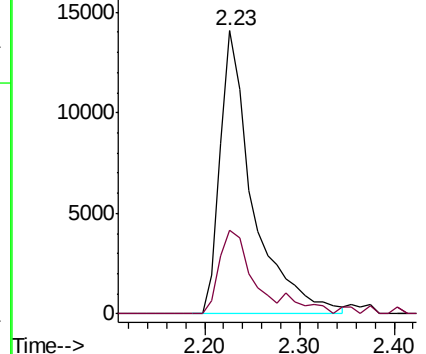
64 100

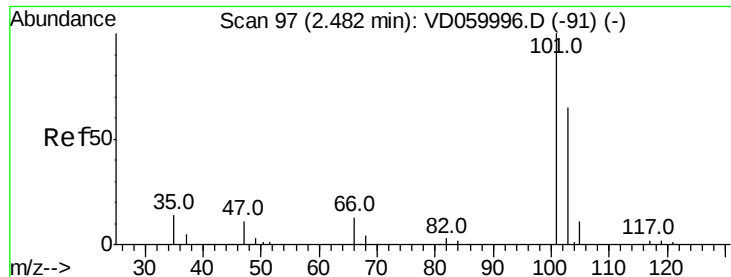
66 29.5 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 11.347 ug/l

RT: 2.48 min Scan# 97

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

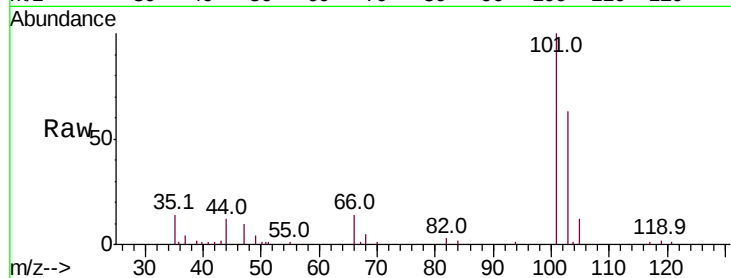
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 133221

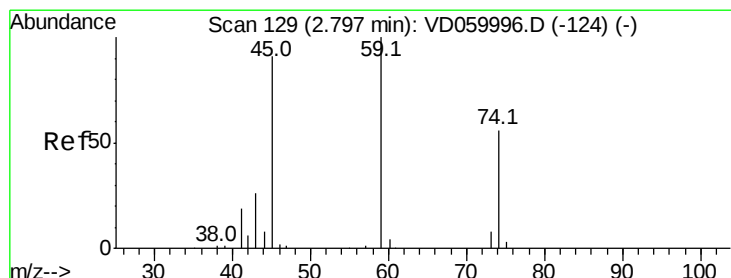
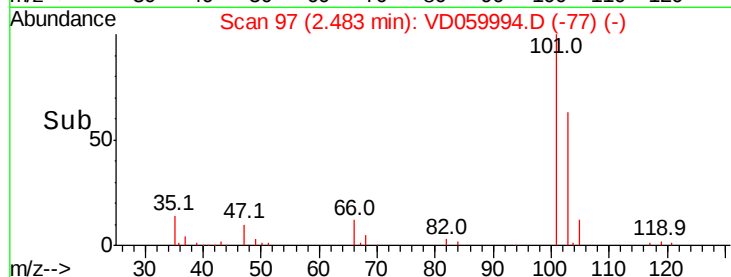
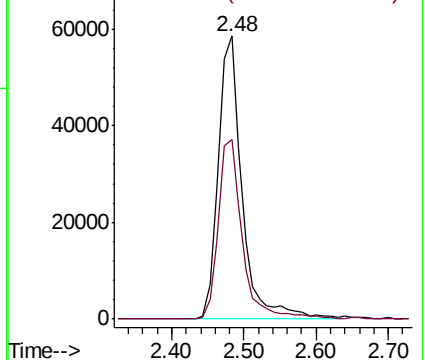
Ion Ratio Lower Upper

101 100

103 63.3 51.6 77.4



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



#8

Diethyl Ether

Concen: 11.067 ug/l

RT: 2.80 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059994.D

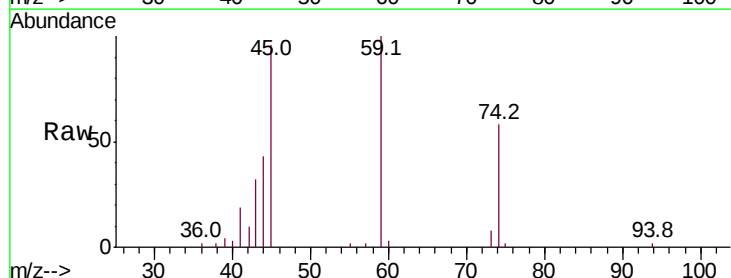
Acq: 13 Sep 2018 12:45

Tgt Ion: 74 Resp: 28619

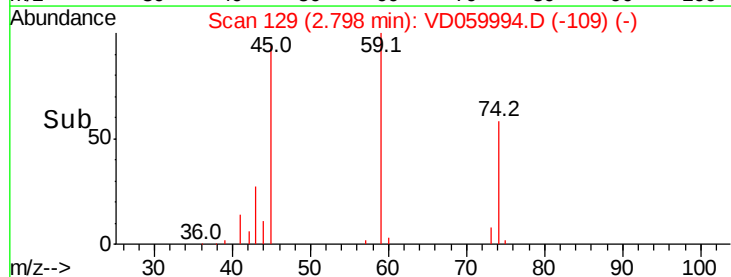
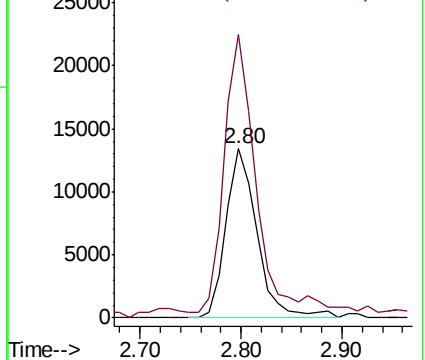
Ion Ratio Lower Upper

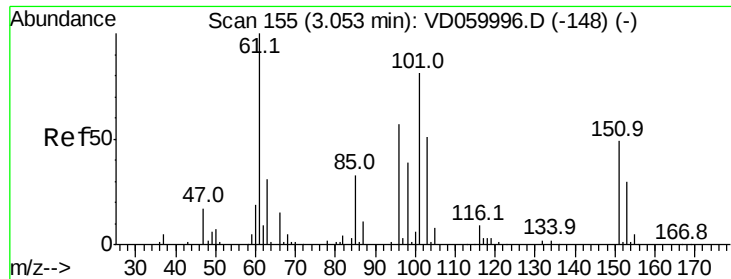
74 100

45 167.2 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.685 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

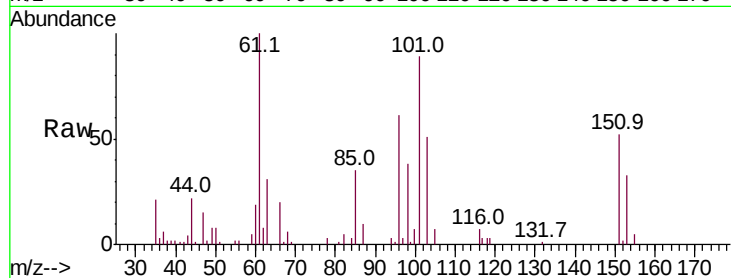
Tot Ion:101 Resp: 84294

Ion Ratio Lower Upper

101 100

85 39.3 33.1 49.7

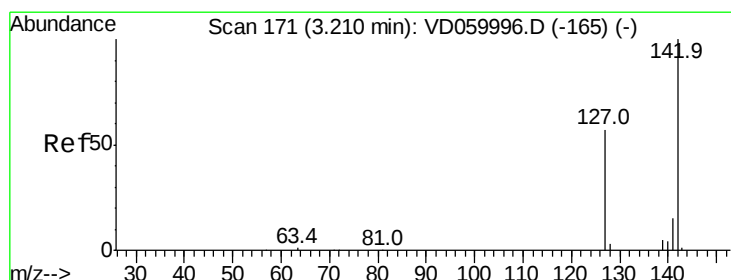
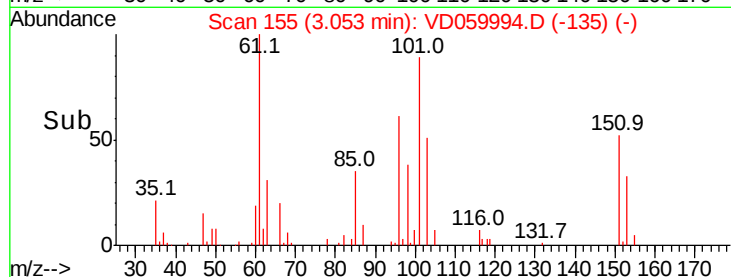
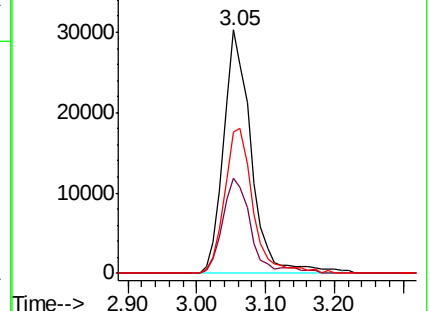
151 58.1 48.2 72.4



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: 10.253 ug/l

RT: 3.21 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

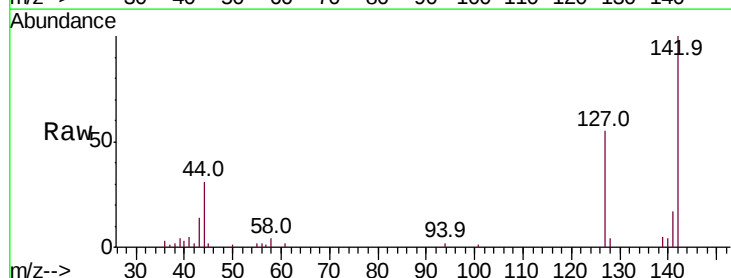
Tgt Ion:142 Resp: 68381

Ion Ratio Lower Upper

142 100

127 54.6 45.8 68.8

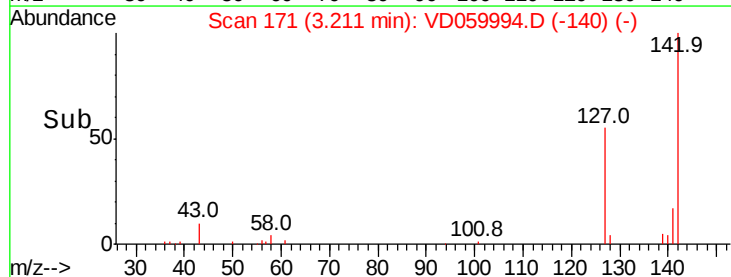
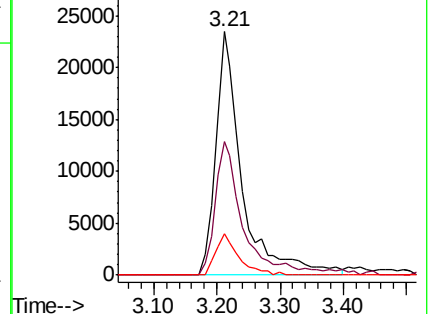
141 17.0 12.2 18.4

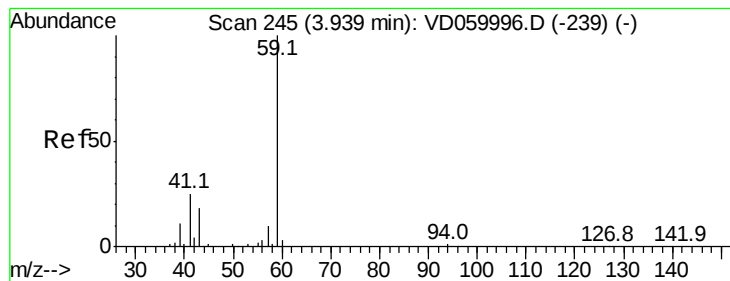


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



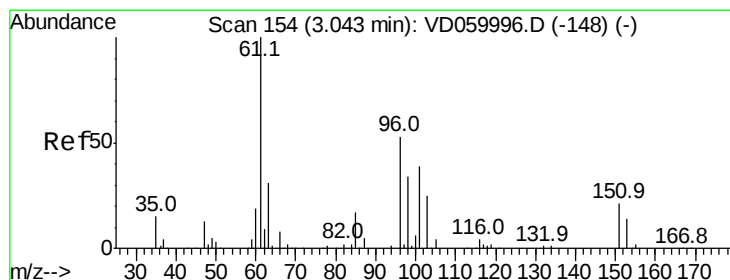
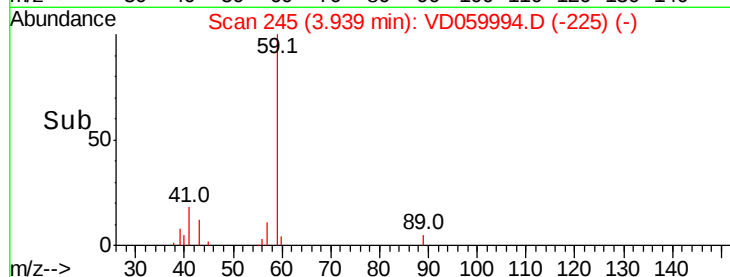
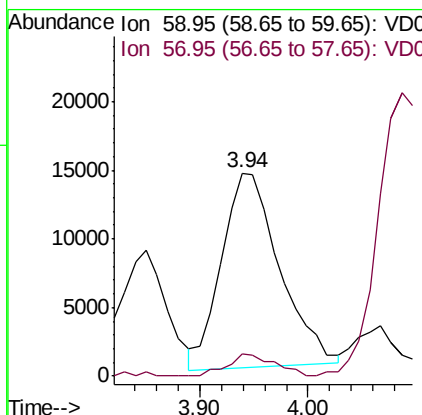
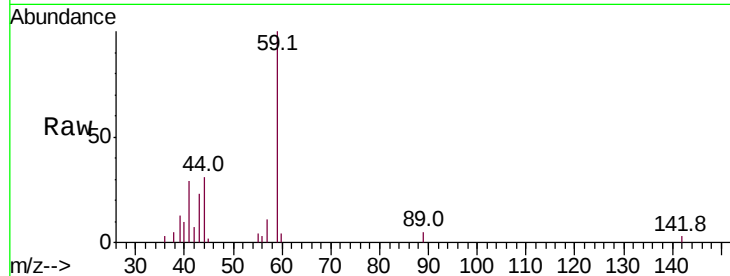


#11

Tert butyl alcohol
 Concen: 54.268 ug/l
 RT: 3.94 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :

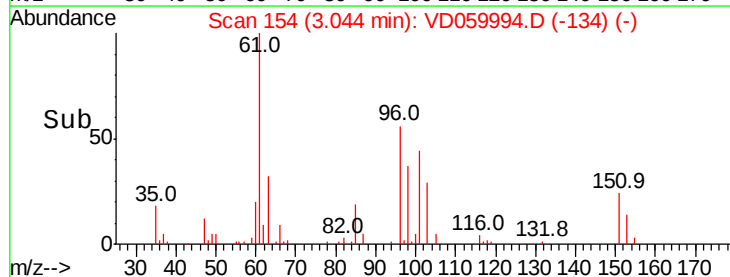
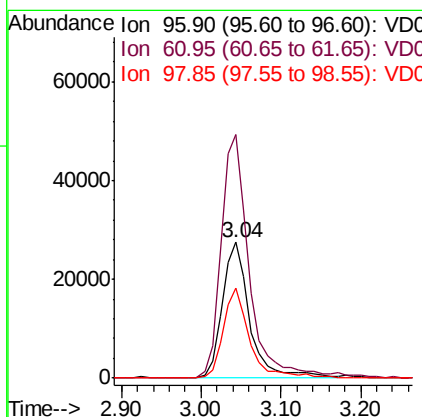
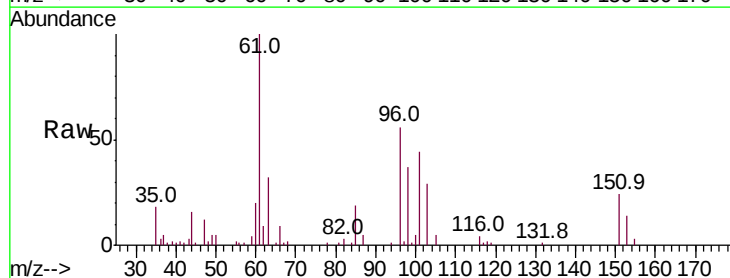
Tot Ion: 59 Resp: 52963
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.4 11.2

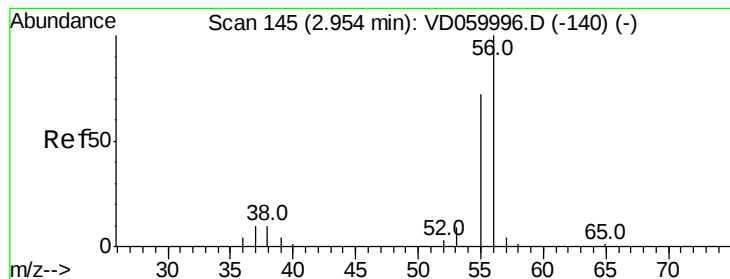


#12

1,1-Dichloroethene
 Concen: 11.898 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 96 Resp: 66781
 Ion Ratio Lower Upper
 96 100
 61 179.4 149.8 224.6
 98 66.6 50.2 75.4





#13

Acrolein

Concen: 74.448 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

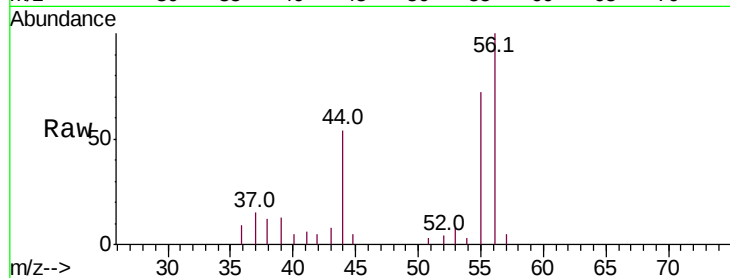
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 32934

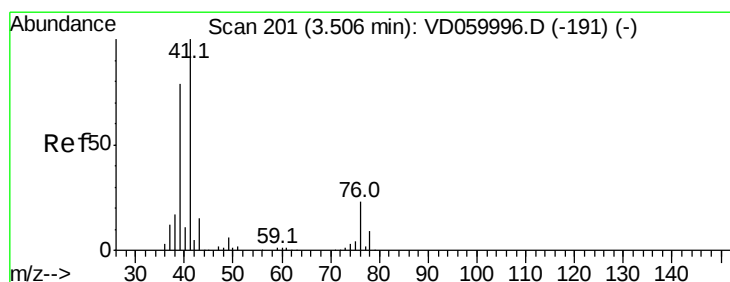
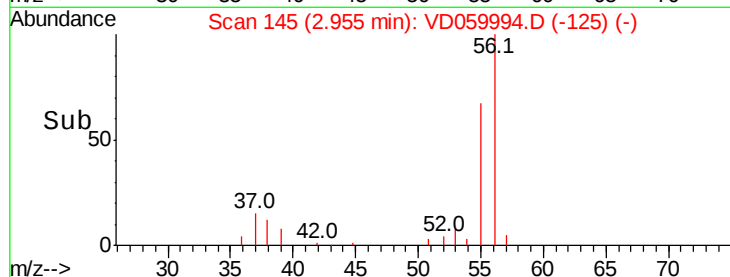
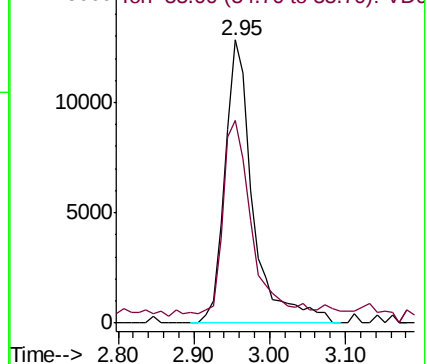
Ion Ratio Lower Upper

56 100

55 71.6 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 11.176 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

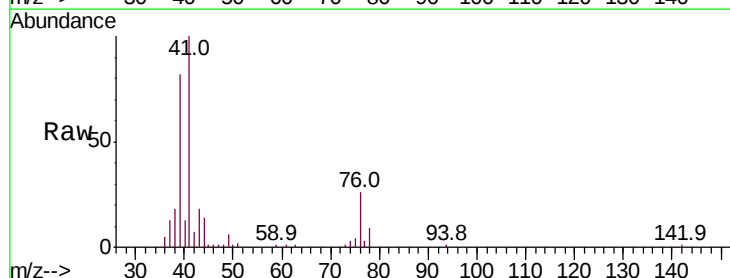
Tgt Ion: 41 Resp: 139637

Ion Ratio Lower Upper

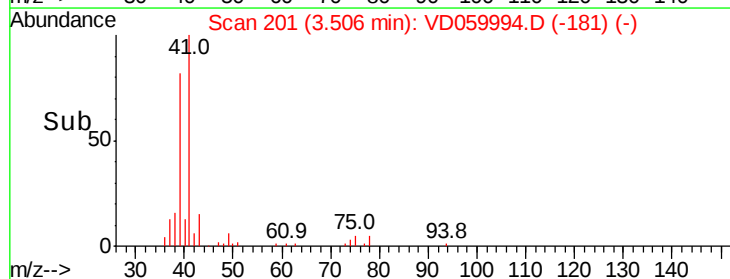
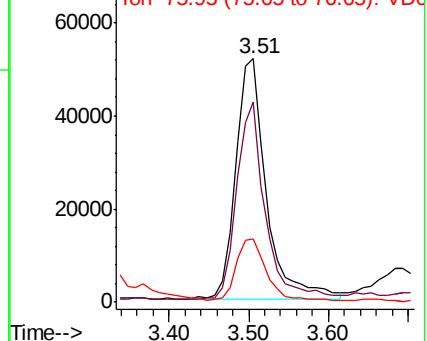
41 100

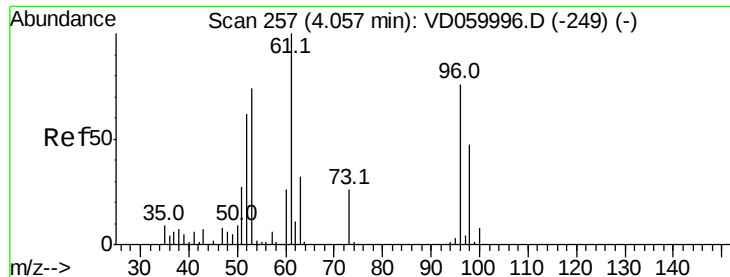
39 82.4 63.6 95.4

76 26.1 21.1 31.7



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: 53.833 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :

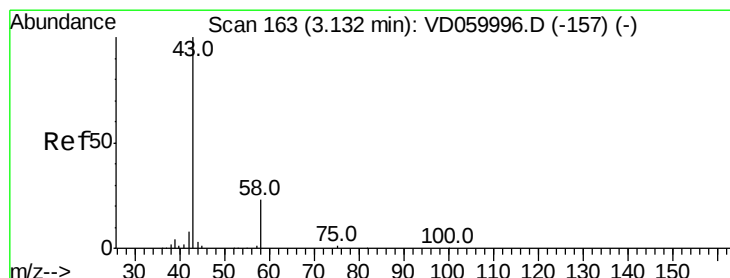
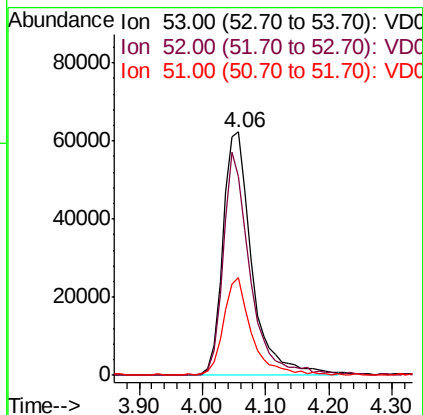
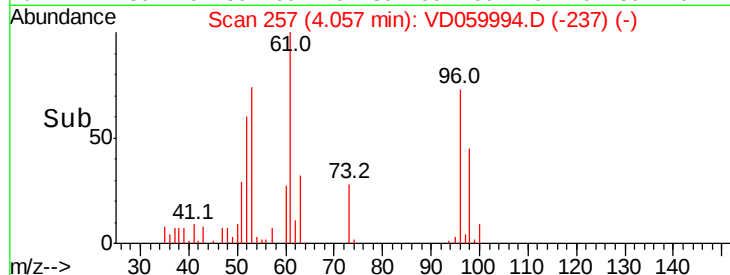
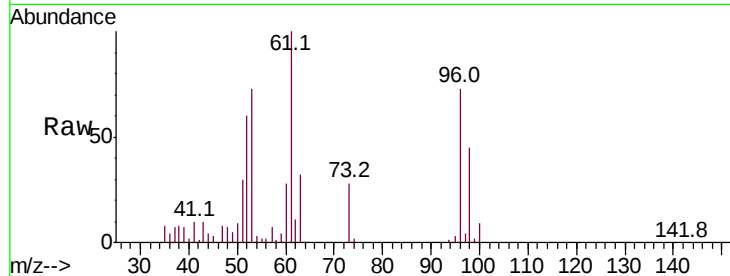
Tot Ion: 53 Resp: 198621

Ion Ratio Lower Upper

53 100

52 81.7 66.7 100.1

51 40.3 29.0 43.6



#16

Acetone

Concen: 56.219 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD059994.D

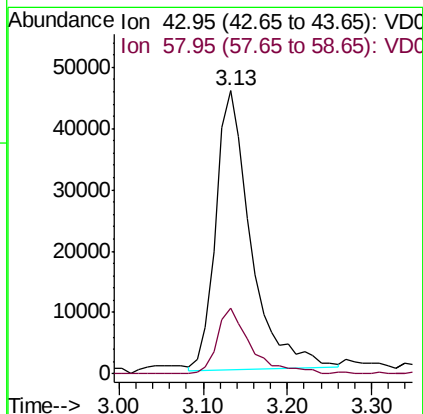
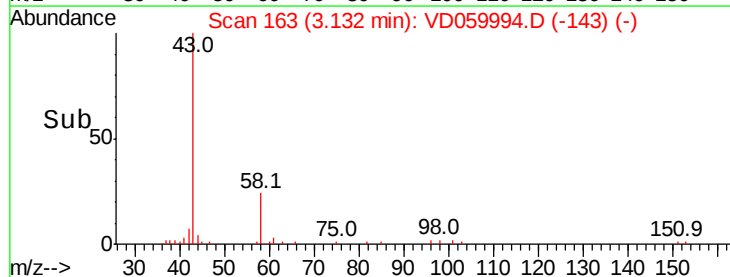
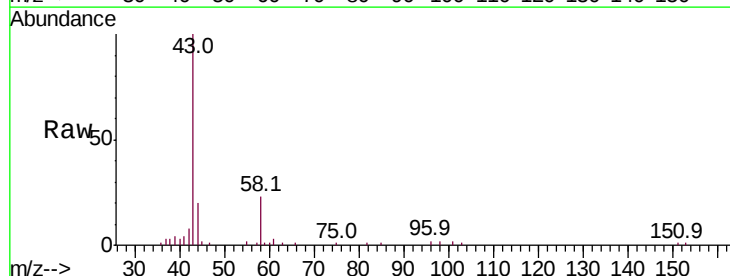
Acq: 13 Sep 2018 12:45

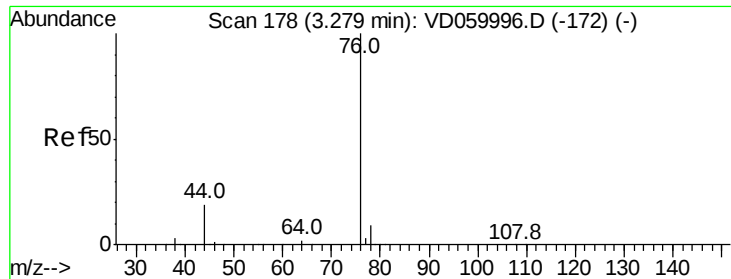
Tgt Ion: 43 Resp: 131051

Ion Ratio Lower Upper

43 100

58 23.5 18.1 27.1

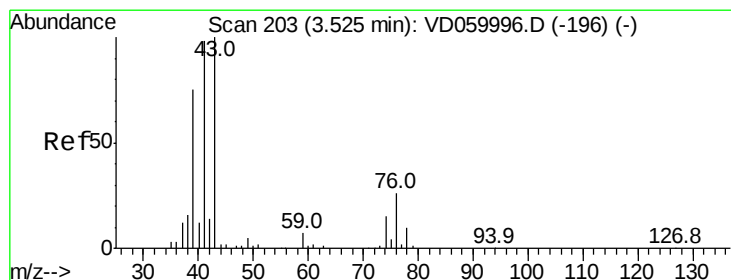
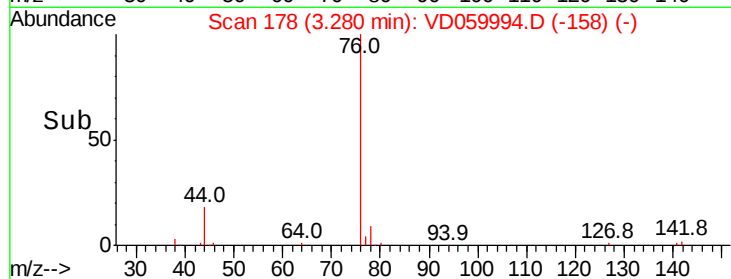
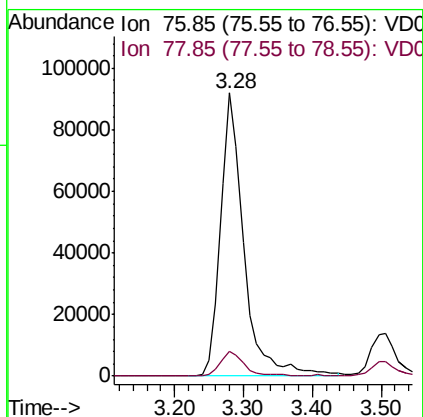
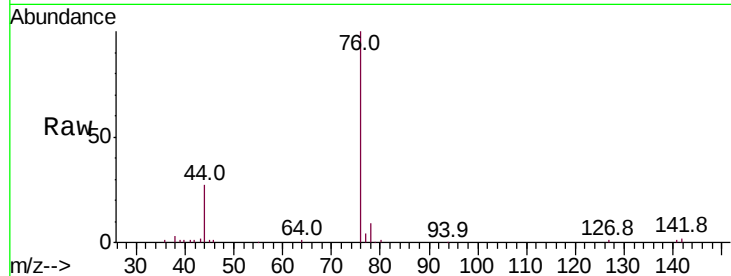




#17
Carbon Disulfide
Concen: 12.157 ug/l
RT: 3.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

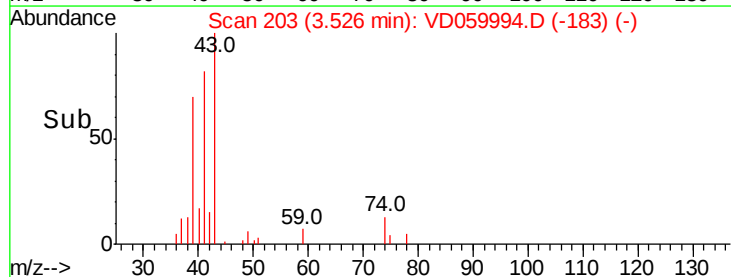
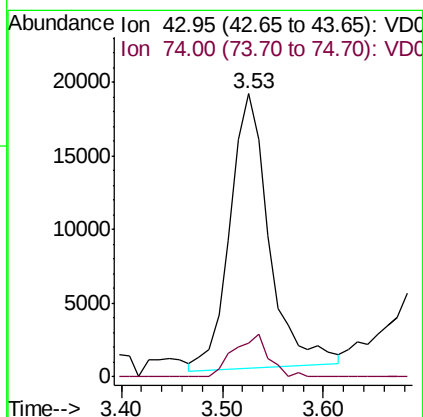
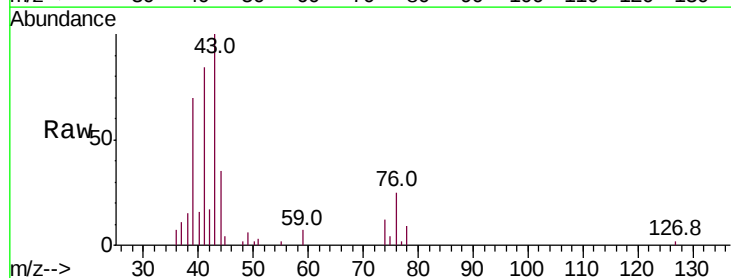
Instrument :
MSVOA_D
ClientSampleId :

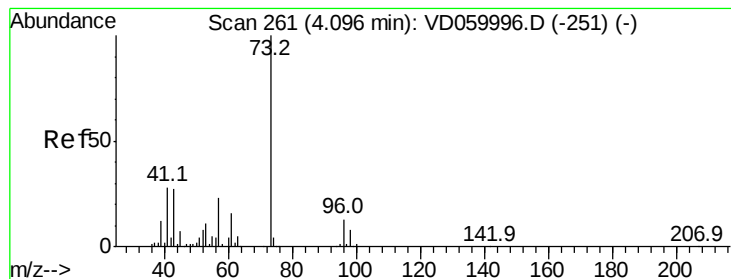
Tot Ion: 76 Resp: 215875
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 10.297 ug/l
RT: 3.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 43 Resp: 50381
Ion Ratio Lower Upper
43 100
74 12.1 11.8 17.8



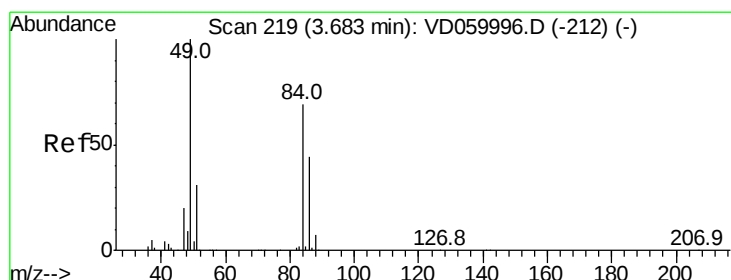
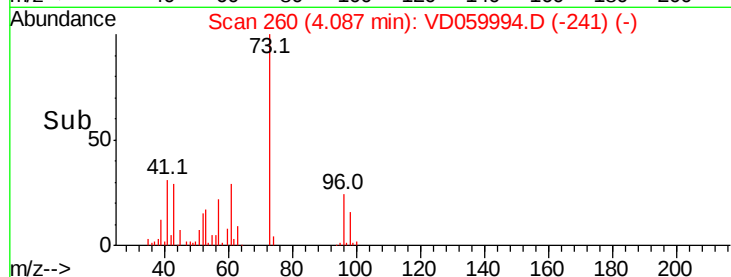
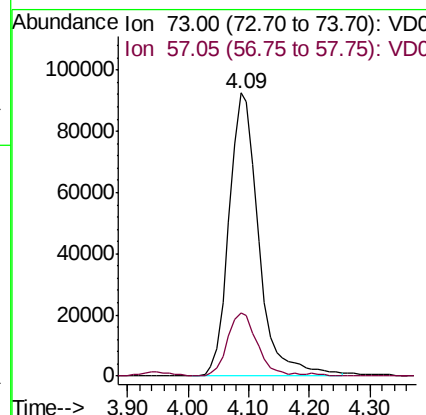
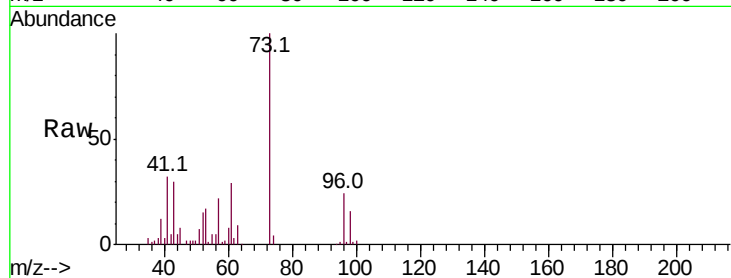


#19

Methyl tert-butyl Ether
 Concen: 10.419 ug/l
 RT: 4.09 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :

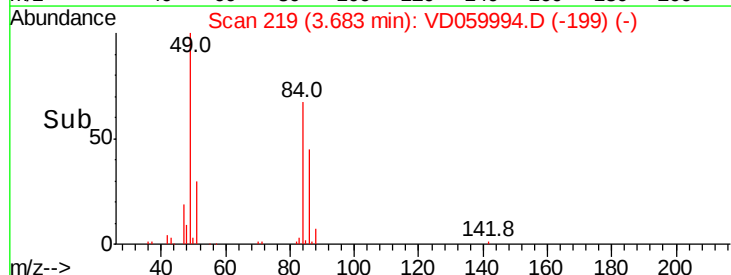
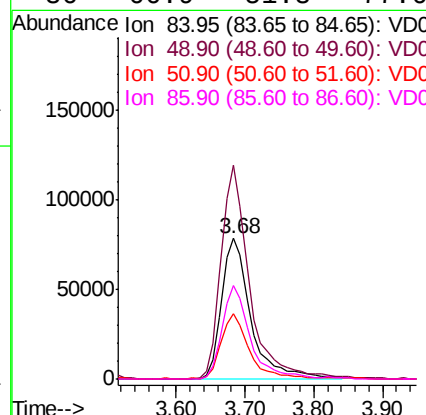
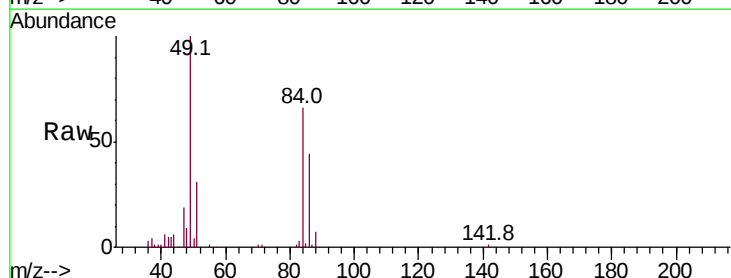
Tot Ion: 73 Resp: 315306
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.4 27.6

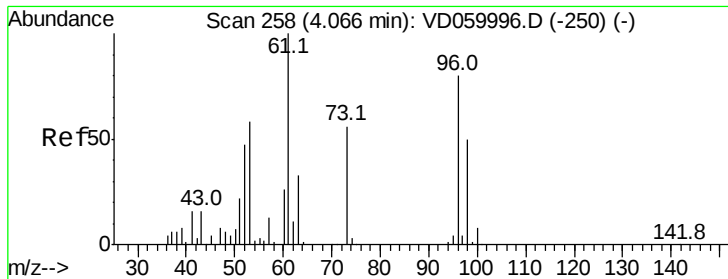


#20

Methylene Chloride
 Concen: 12.168 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 84 Resp: 231420
 Ion Ratio Lower Upper
 84 100
 49 151.8 116.6 175.0
 51 46.5 35.9 53.9
 86 66.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 11.313 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :

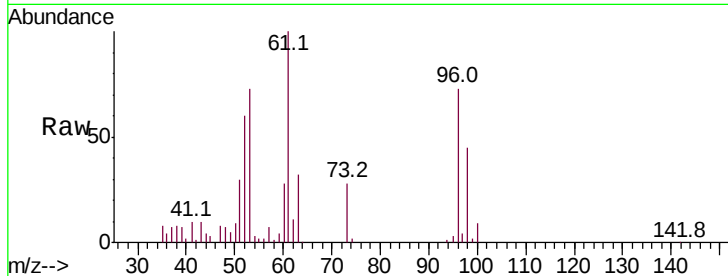
Tot Ion: 96 Resp: 173353

Ion Ratio Lower Upper

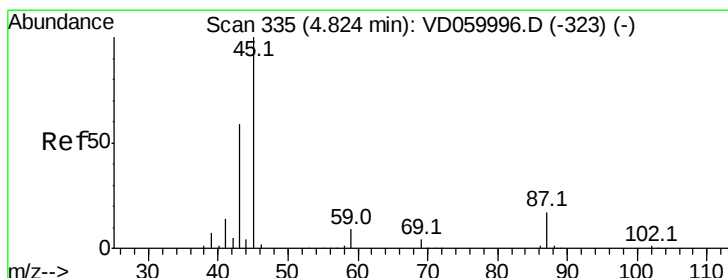
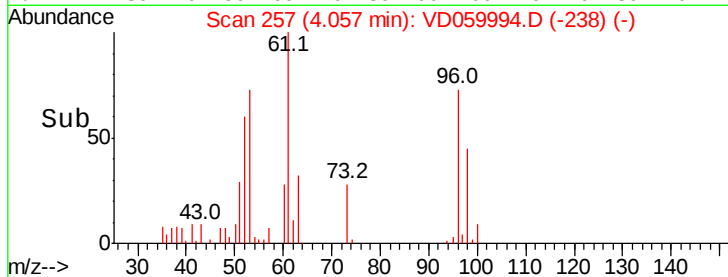
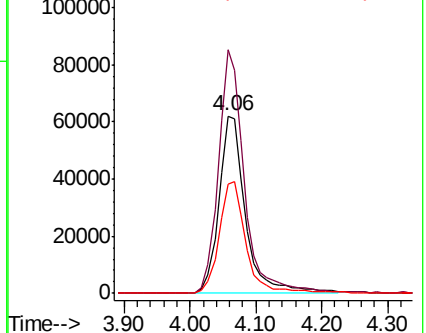
96 100

61 137.2 100.1 150.1

98 61.2 49.5 74.3



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



#22

Diisopropyl ether

Concen: 10.325 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion: 45 Resp: 644597

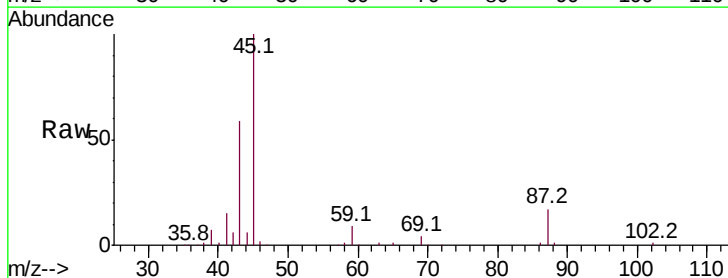
Ion Ratio Lower Upper

45 100

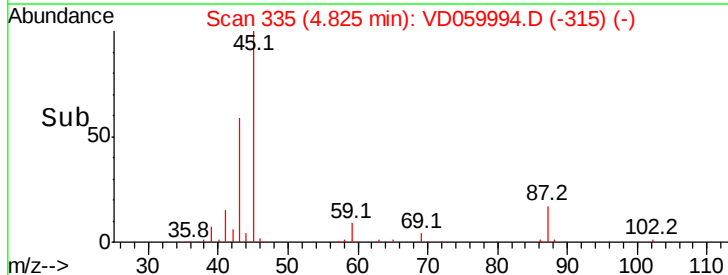
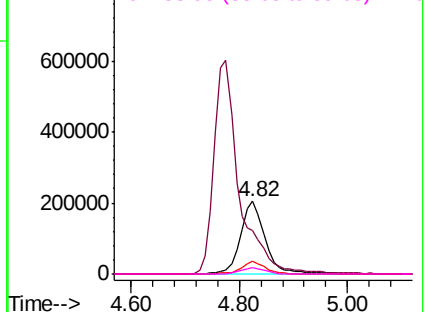
43 59.0 47.1 70.7

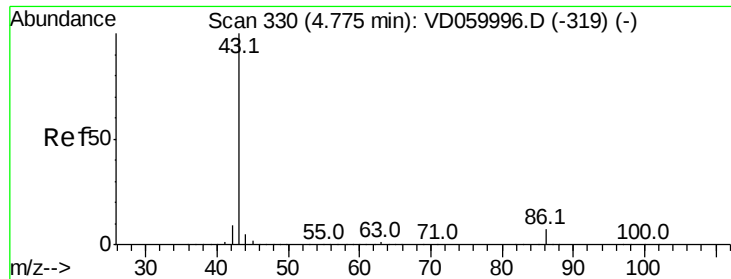
87 16.9 14.2 21.2

59 9.0 7.0 10.6



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





#23

Vinyl Acetate

Concen: 55.468 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

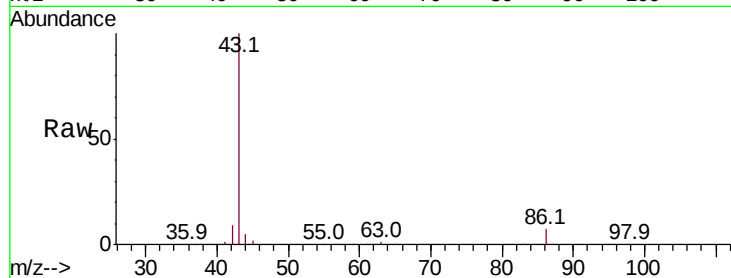
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1933684

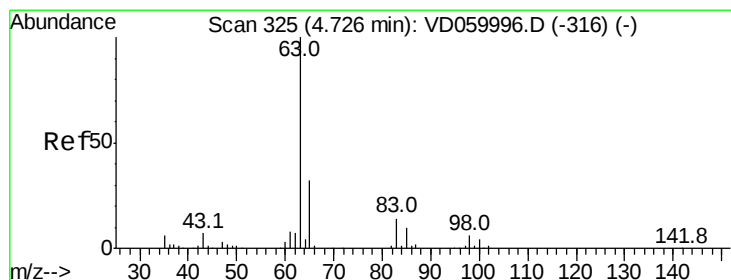
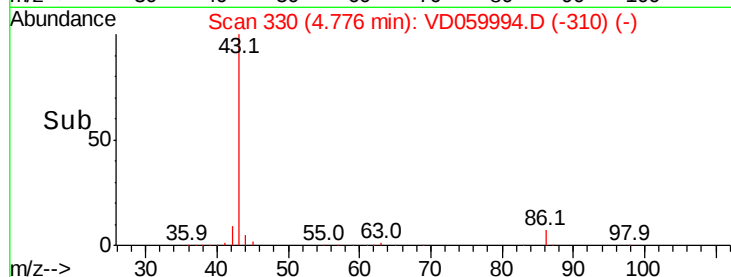
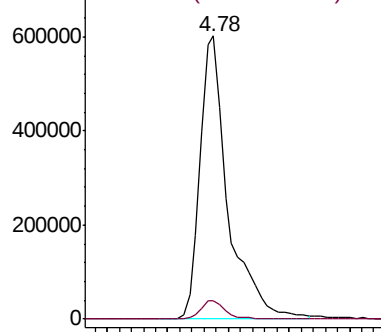
Ion Ratio Lower Upper

43 100

86 6.6 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.530 ug/l

RT: 4.72 min Scan# 324

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

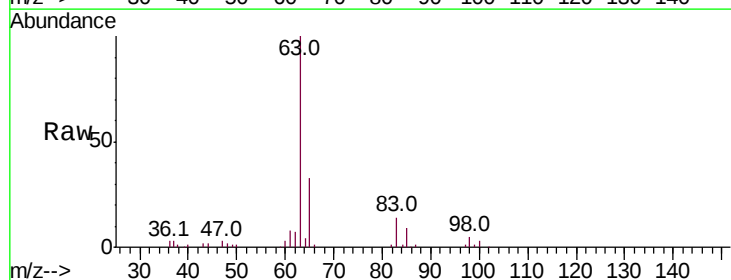
Tgt Ion: 63 Resp: 286356

Ion Ratio Lower Upper

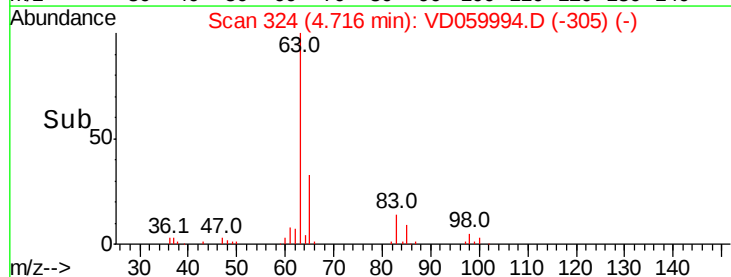
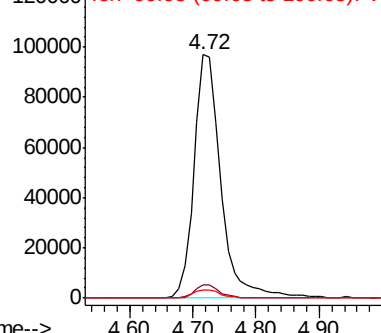
63 100

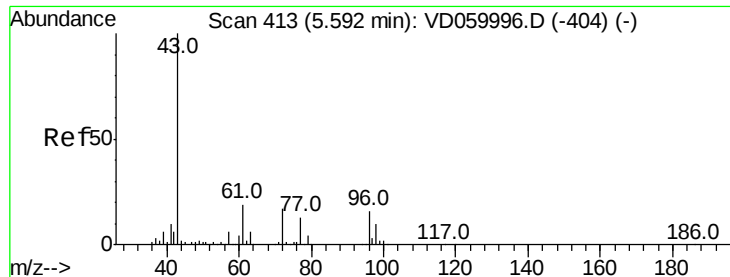
98 5.4 2.9 8.6

100 3.4 1.8 5.4



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 58.340 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

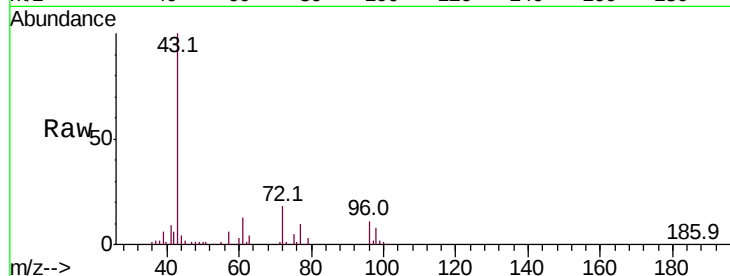
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 392735

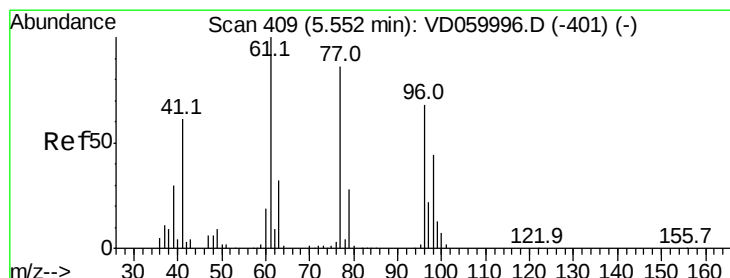
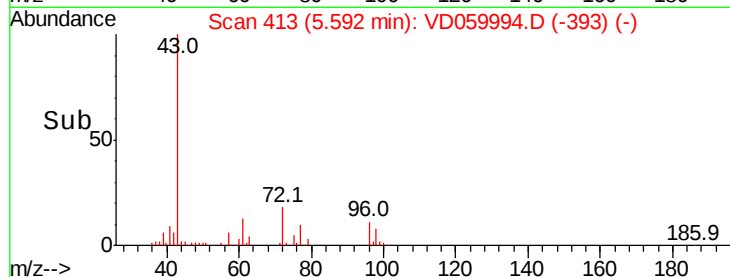
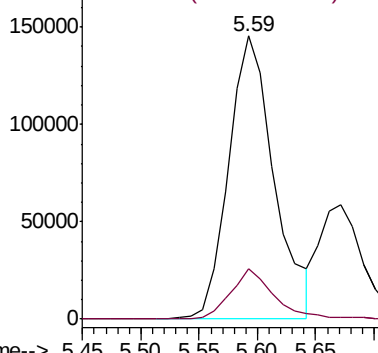
Ion Ratio Lower Upper

43 100

72 17.7 13.6 20.4



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



#26

2,2-Dichloropropane

Concen: 10.239 ug/l

RT: 5.55 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD059994.D

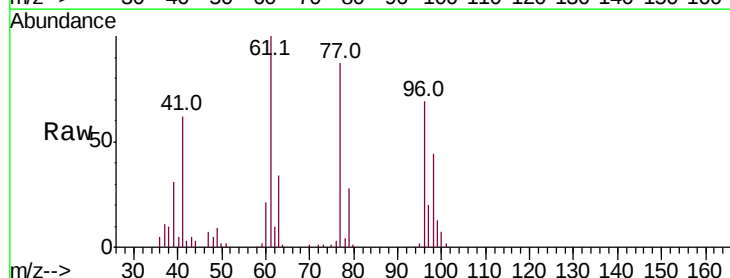
Acq: 13 Sep 2018 12:45

Tgt Ion: 77 Resp: 231257

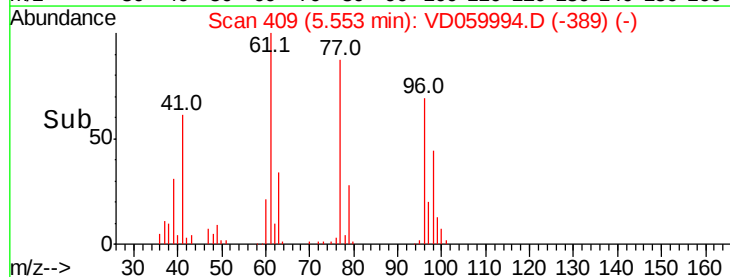
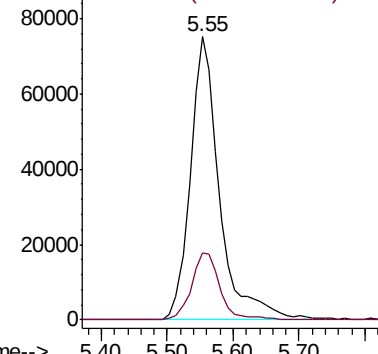
Ion Ratio Lower Upper

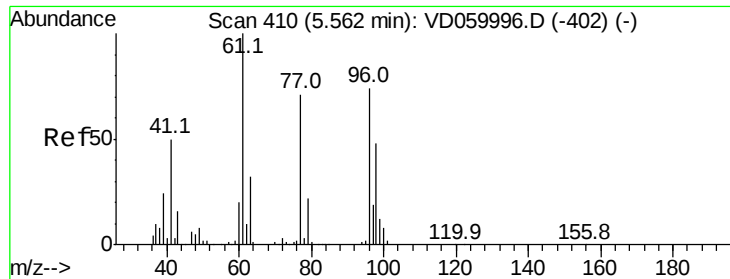
77 100

97 23.5 12.7 38.1



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



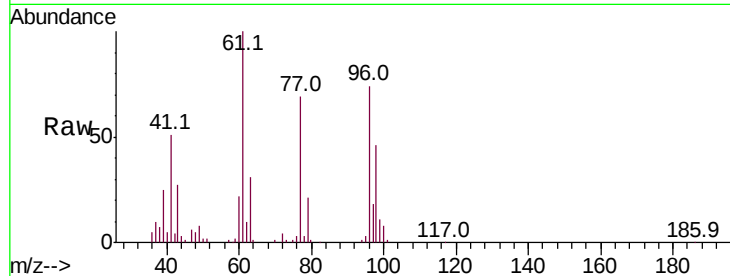


#27

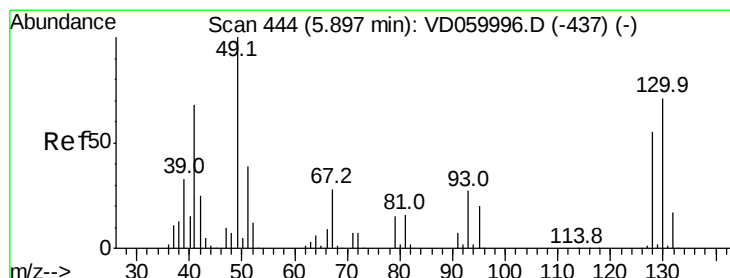
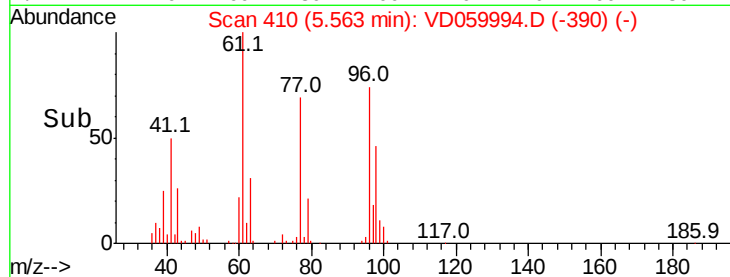
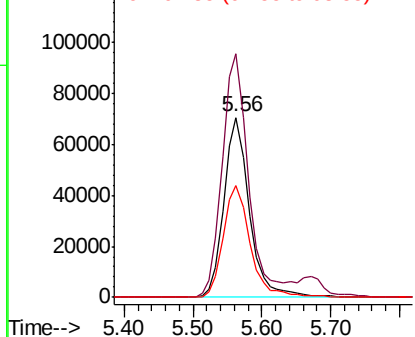
cis-1,2-Dichloroethene
Concen: 10.953 ug/l
RT: 5.56 min Scan# 410
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	181667
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	269.6
98	62.0	0.0	128.4



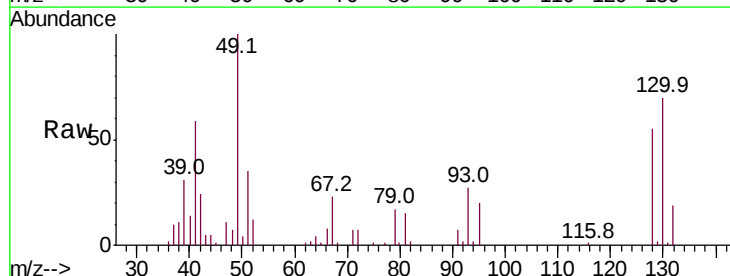
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



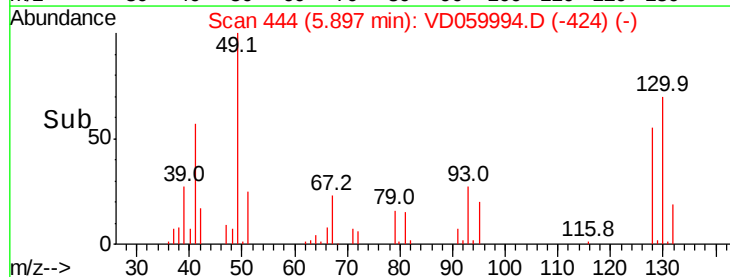
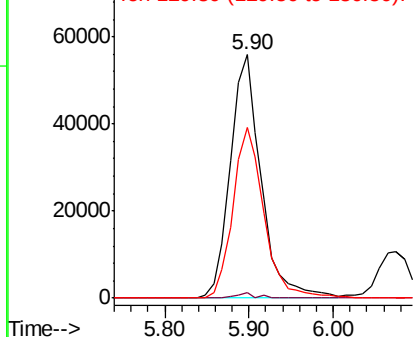
#28

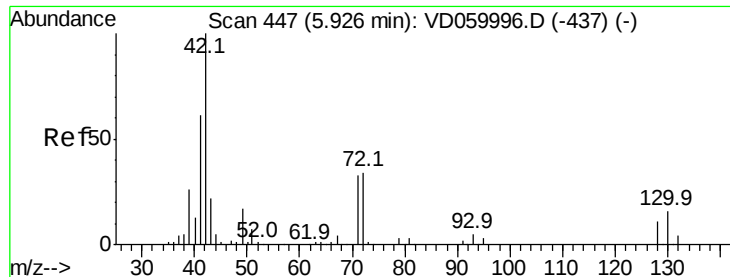
Bromochloromethane
Concen: 11.122 ug/l
RT: 5.90 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	49	Resp	142167
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	70.1	57.1	85.7



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 55.633 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

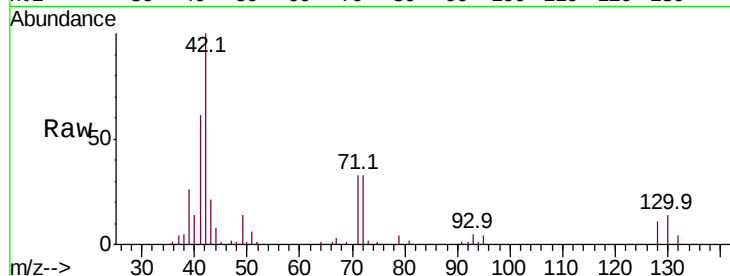
Tot Ion: 42 Resp: 185084

Ion Ratio Lower Upper

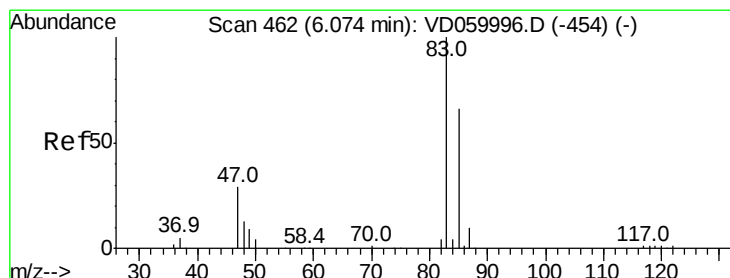
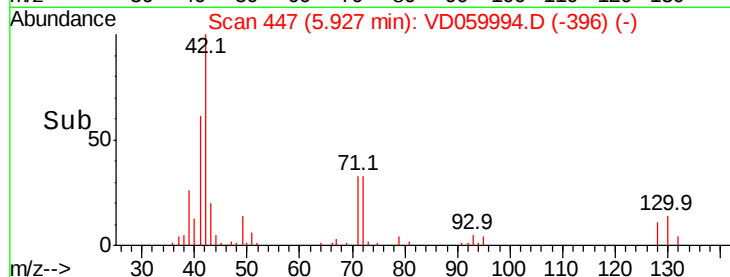
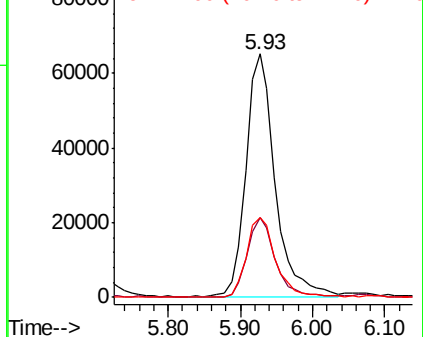
42 100

72 31.6 26.9 40.3

71 32.4 26.2 39.4



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



#30

Chloroform

Concen: 10.408 ug/l

RT: 6.07 min Scan# 462

Delta R.T. 0.00 min

Lab File: VD059994.D

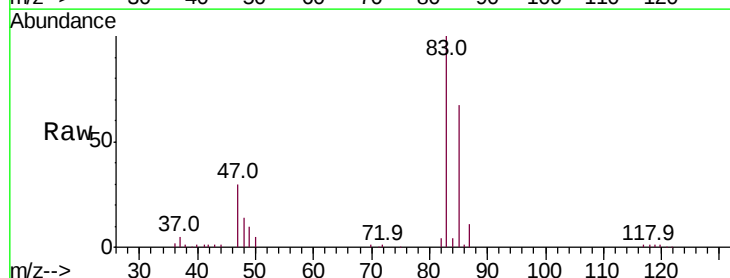
Acq: 13 Sep 2018 12:45

Tgt Ion: 83 Resp: 288152

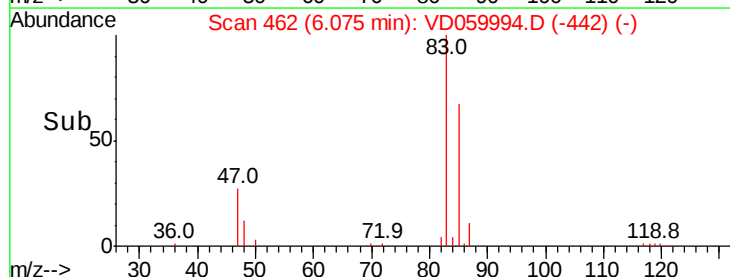
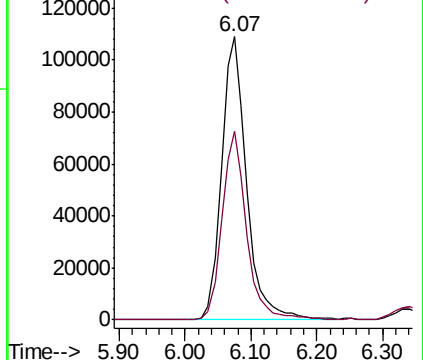
Ion Ratio Lower Upper

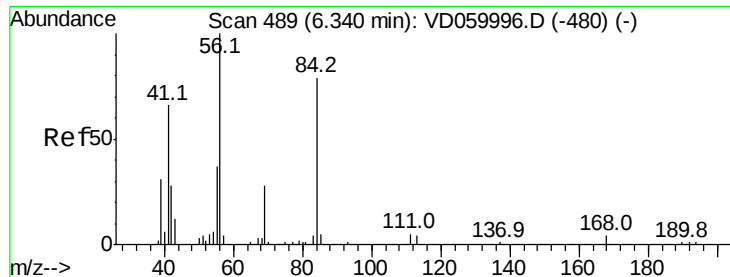
83 100

85 66.7 52.6 78.8



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

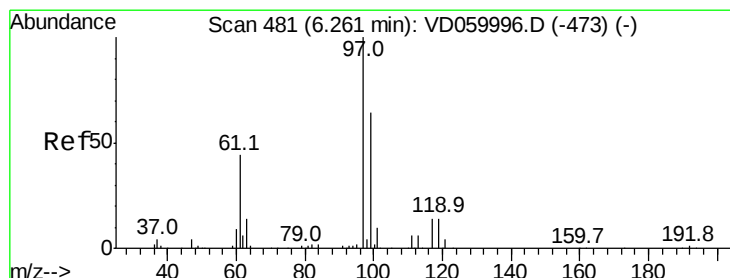
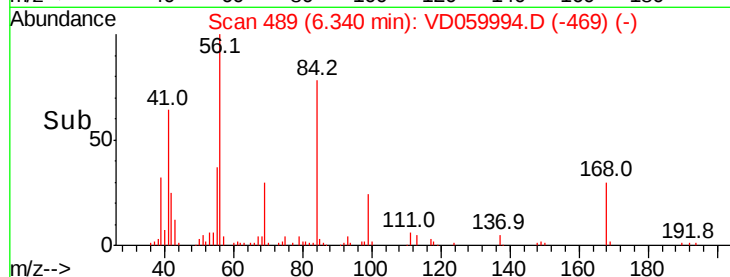
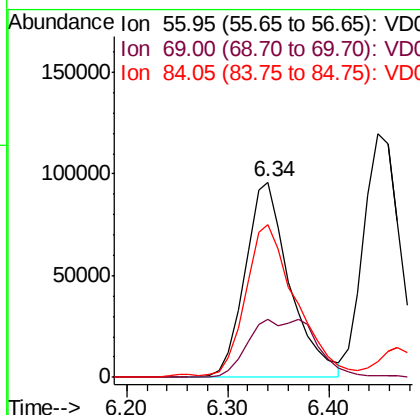
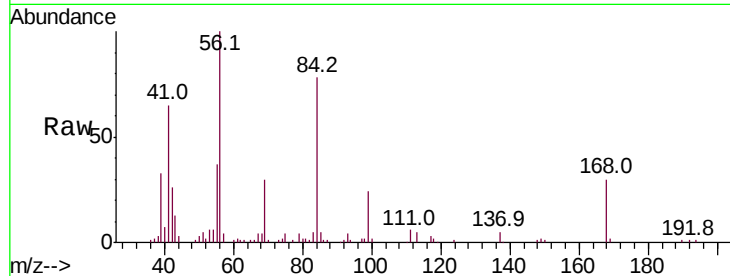




#31
Cvclohexane
Concen: 11.643 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

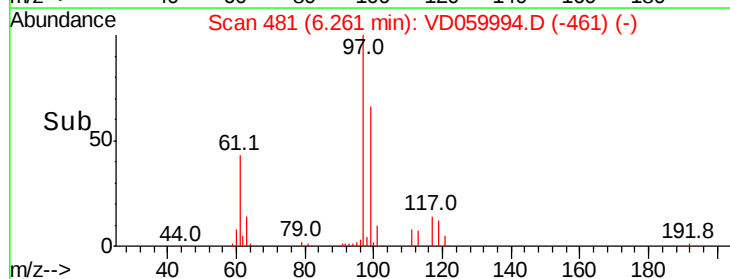
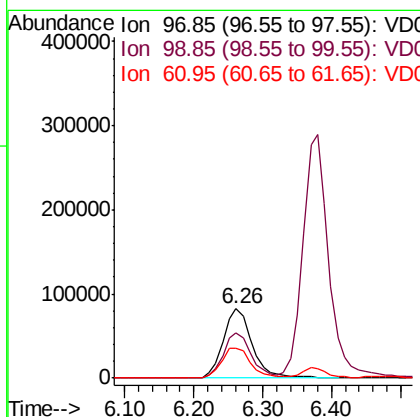
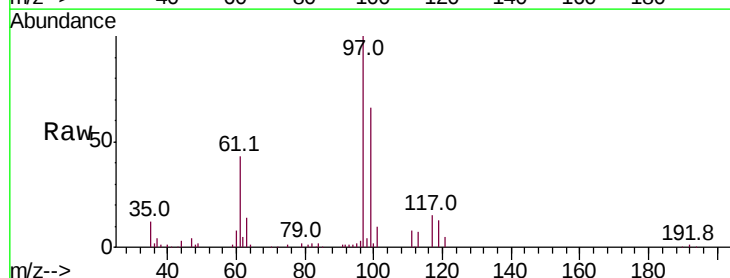
Instrument :
MSVOA_D
ClientSampleId :

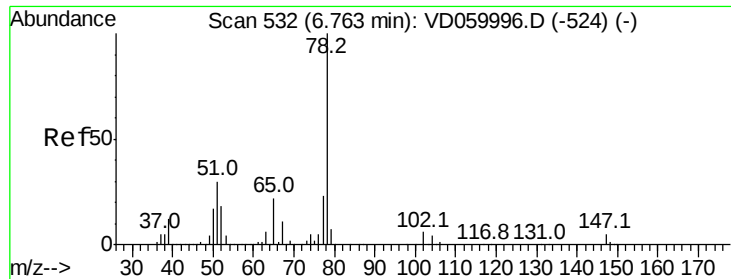
Tot Ion: 56 Resp: 295683
Ion Ratio Lower Upper
56 100
69 29.6 22.7 34.1
84 78.4 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 10.240 ug/l
RT: 6.26 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 97 Resp: 240009
Ion Ratio Lower Upper
97 100
99 65.8 51.3 76.9
61 42.7 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 10.240 ug/l

RT: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

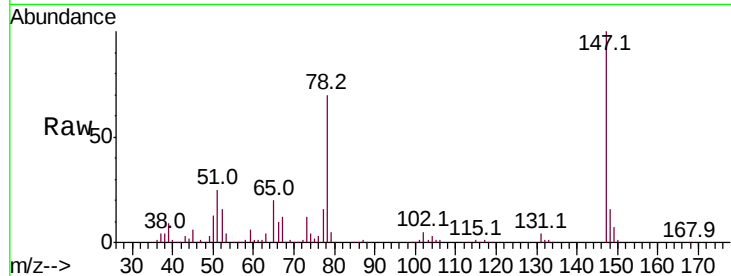
ClientSampleId :

Tot Ion: 65 Resp: 128337

Ion Ratio Lower Upper

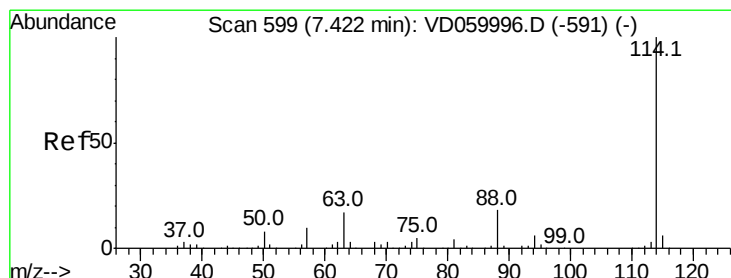
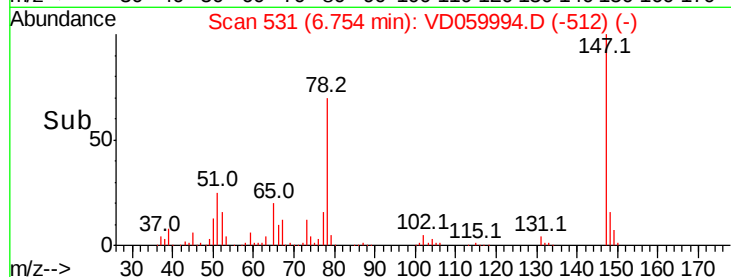
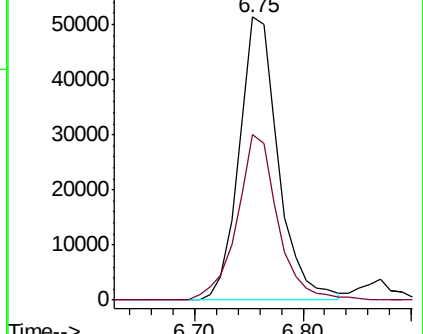
65 100

67 58.4 0.0 104.8



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: 7.41 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

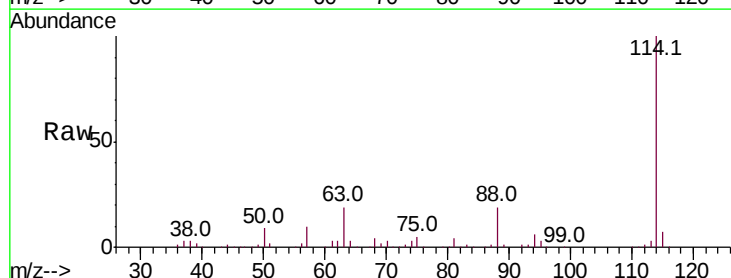
Tgt Ion:114 Resp: 2099034

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

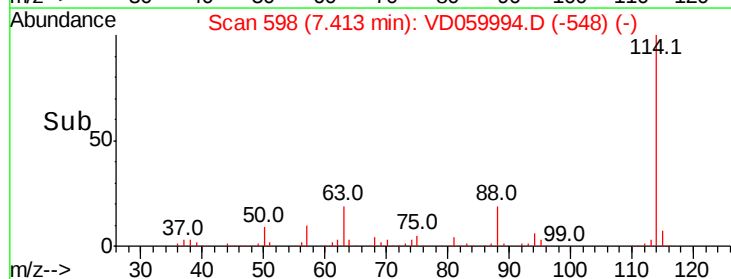
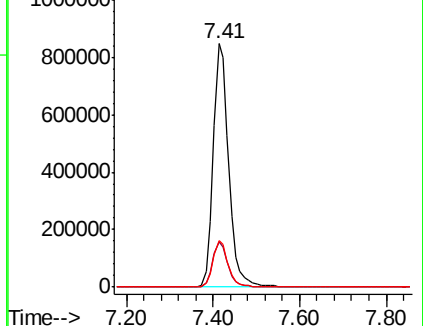
88 18.9 0.0 35.8

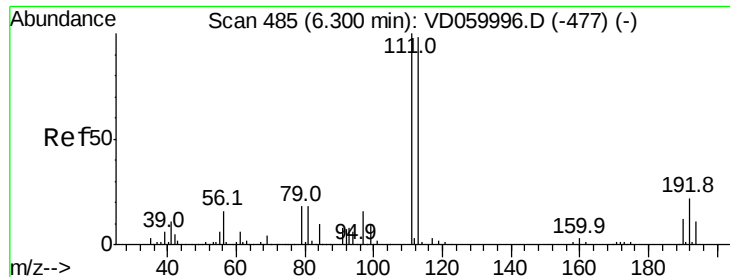


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

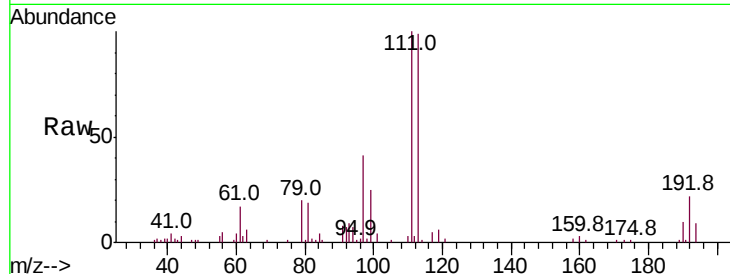




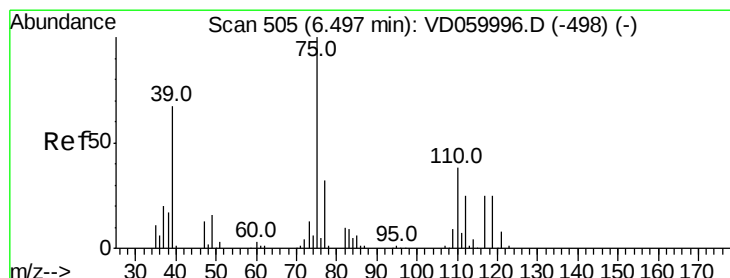
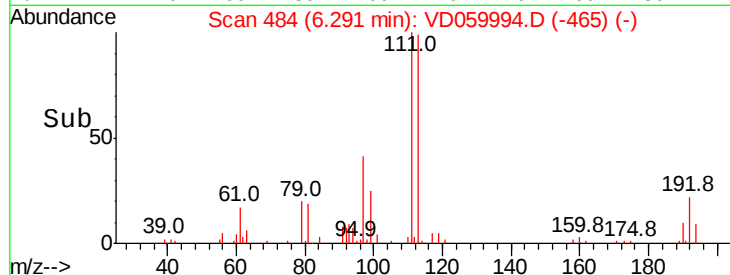
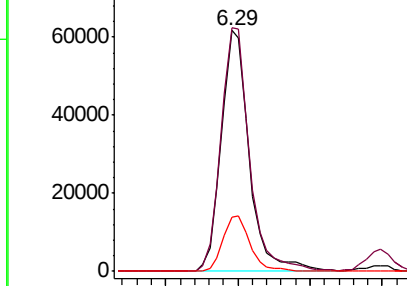
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 165899
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.3 121.9
 192 22.5 18.1 27.1

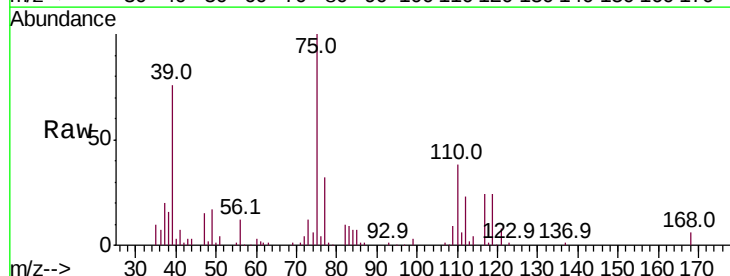


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

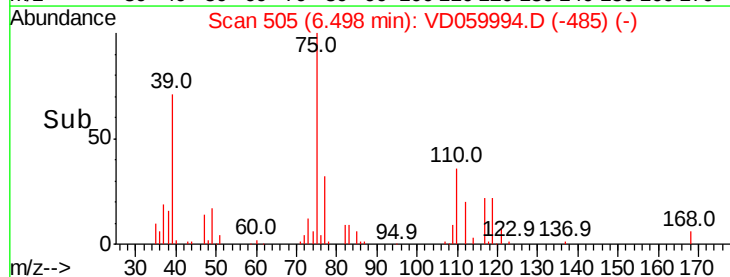
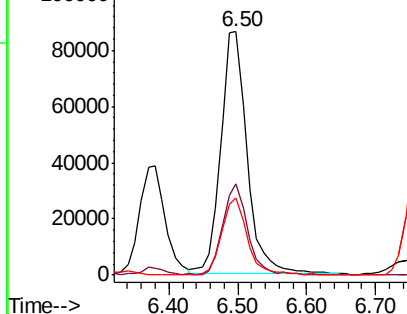


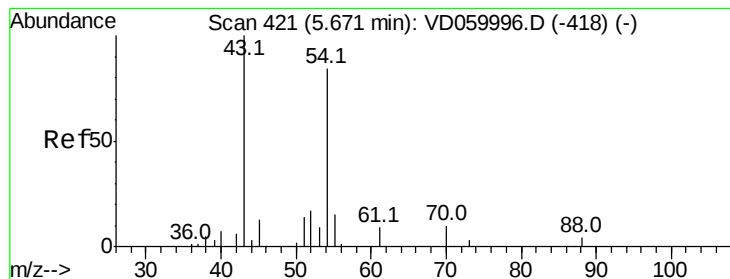
#36
 1,1-Dichloropropene
 Concen: 11.688 ug/l
 RT: 6.50 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 75 Resp: 227601
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.9 56.9
 77 31.9 25.3 37.9



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: 10.937 ug/l

RT: 5.67 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampled :

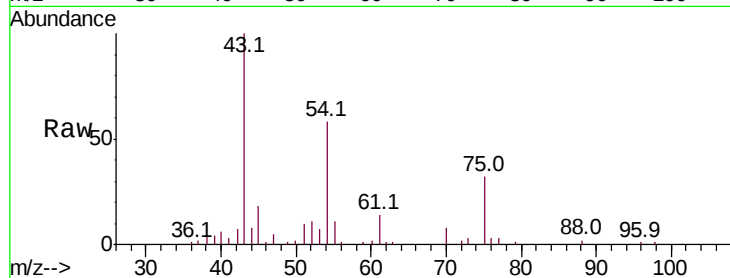
Tot Ion: 43 Resp: 161143

Ion Ratio Lower Upper

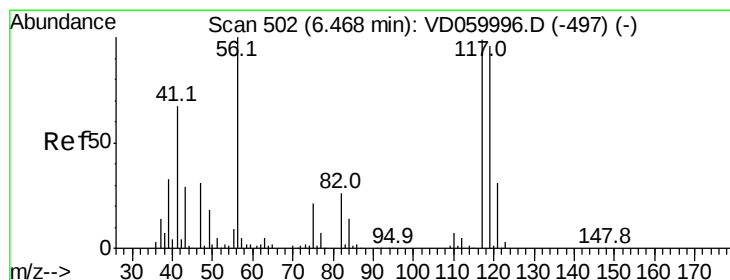
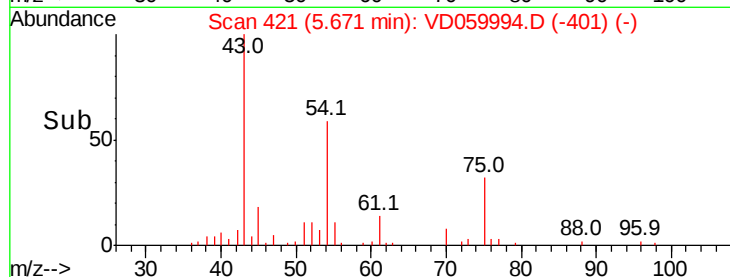
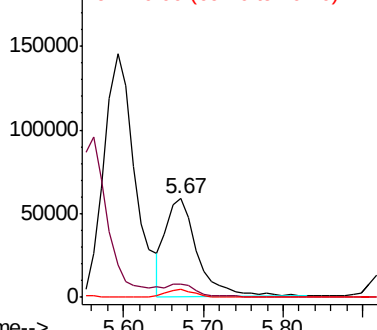
43 100

61 14.0 10.2 15.2

70 7.7 6.1 9.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 10.501 ug/l

RT: 6.47 min Scan# 502

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

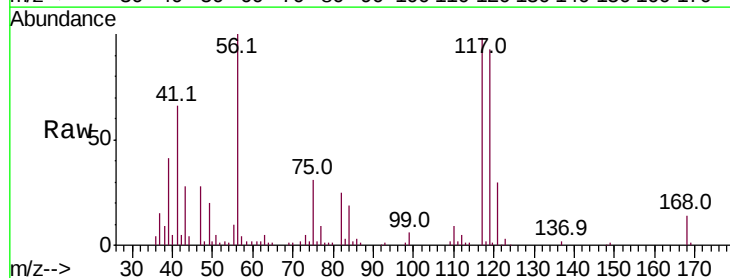
Tgt Ion: 117 Resp: 205152

Ion Ratio Lower Upper

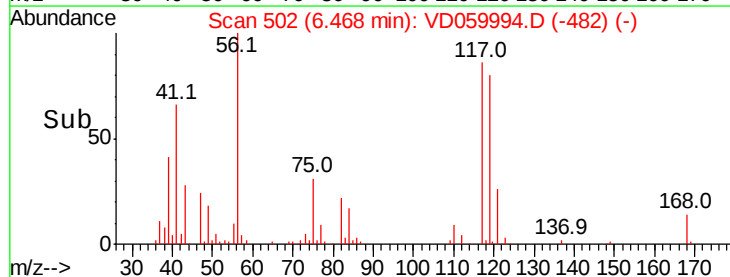
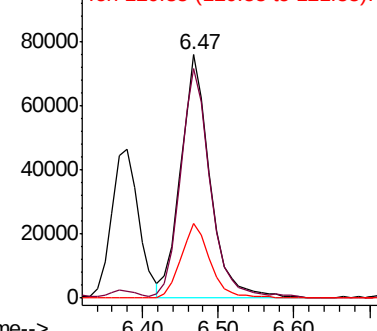
117 100

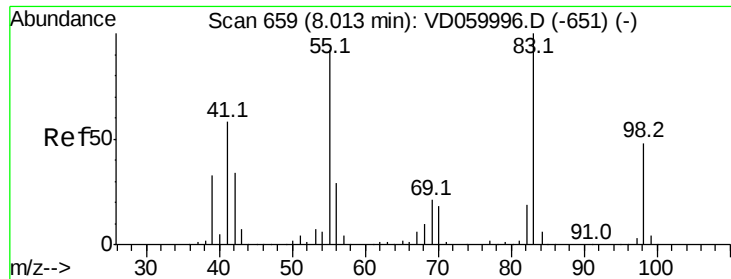
119 94.4 76.7 115.1

121 30.5 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

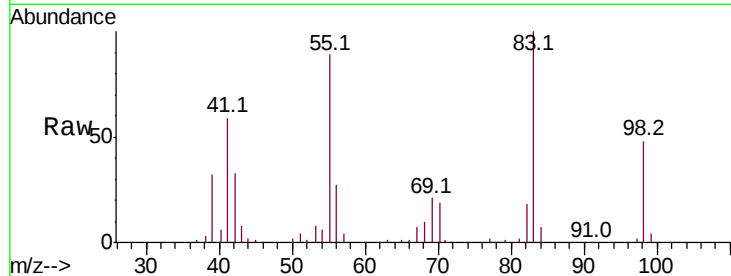




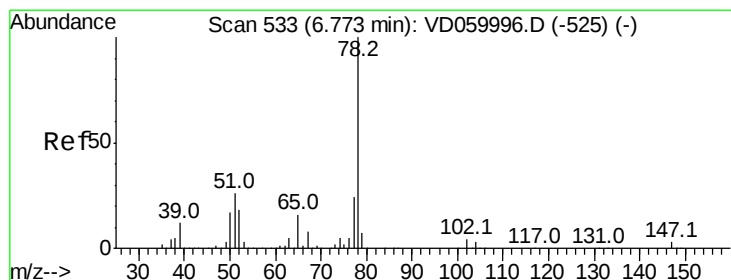
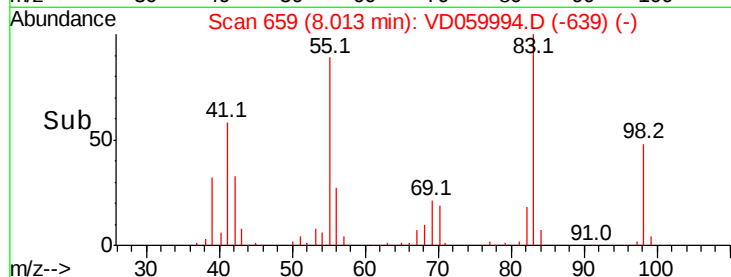
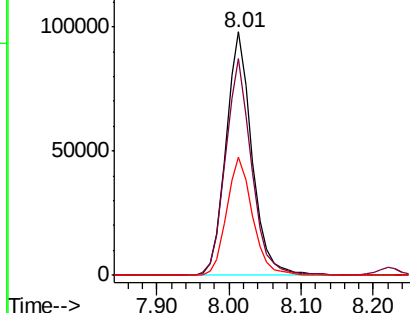
#39
Methvlcvclohexane
Concen: 11.517 ug/l
RT: 8.01 min Scan# 659
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 244534
Ion Ratio Lower Upper
83 100
55 89.0 73.8 110.6
98 48.4 38.1 57.1

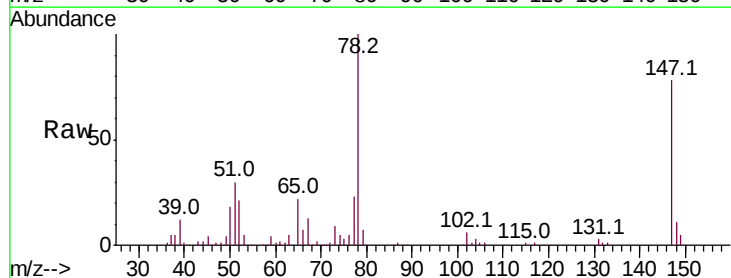


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

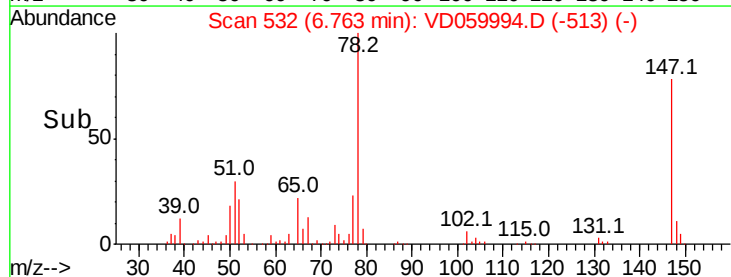
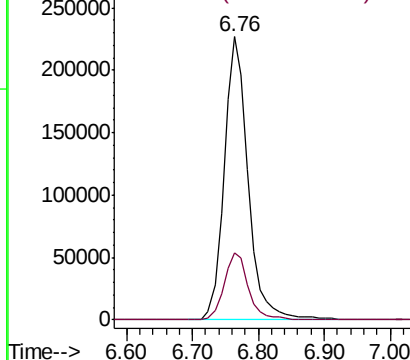


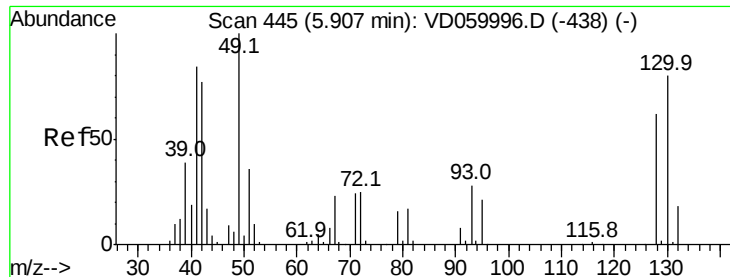
#40
Benzene
Concen: 11.275 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 78 Resp: 571942
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



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





#41

Methacrylonitrile

Concen: 24.582 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 183904

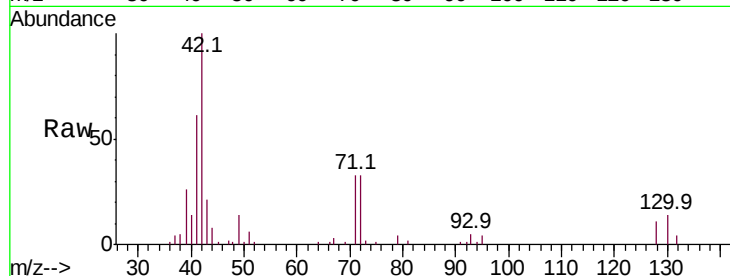
Ion Ratio Lower Upper

41 100

39 43.2 37.5 56.3

67 5.5 21.5 32.3#

52 2.2 9.2 13.8#

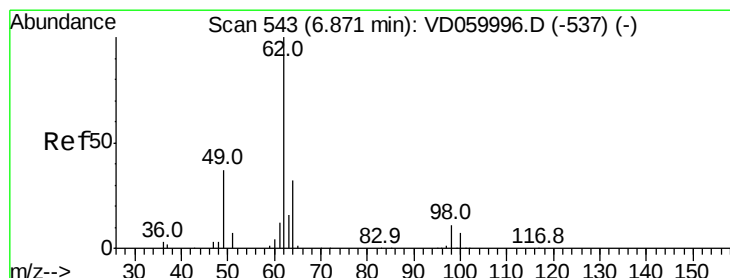
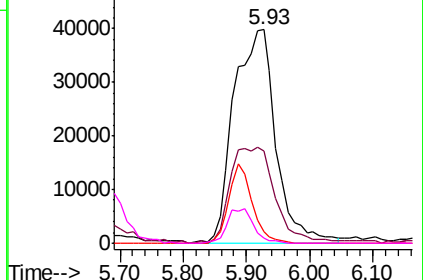
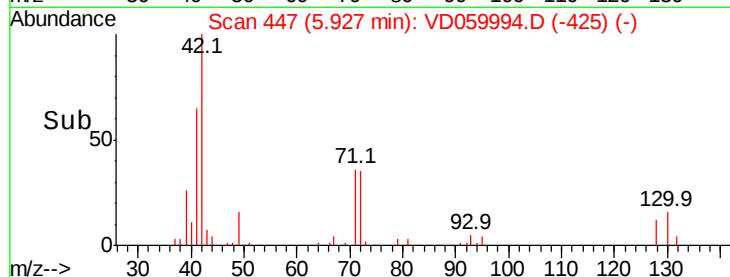


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 10.383 ug/l

RT: 6.86 min Scan# 542

Delta R.T. -0.01 min

Lab File: VD059994.D

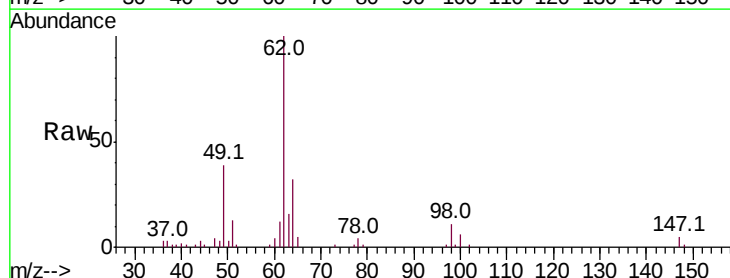
Acq: 13 Sep 2018 12:45

Tgt Ion: 62 Resp: 165465

Ion Ratio Lower Upper

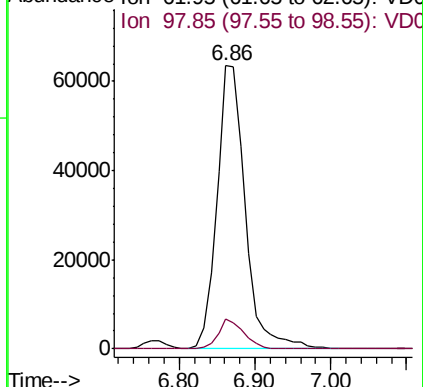
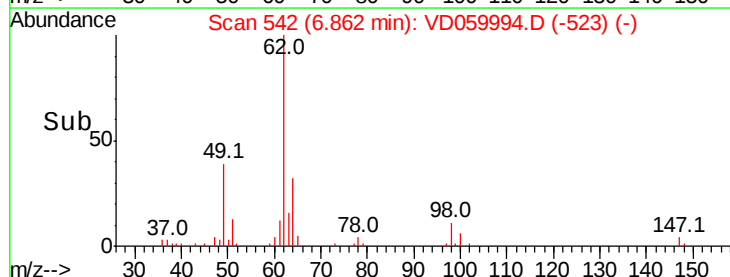
62 100

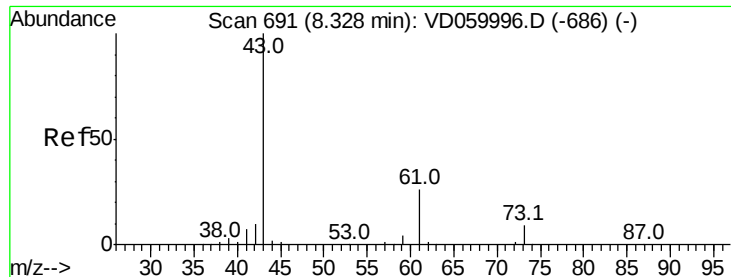
98 10.8 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



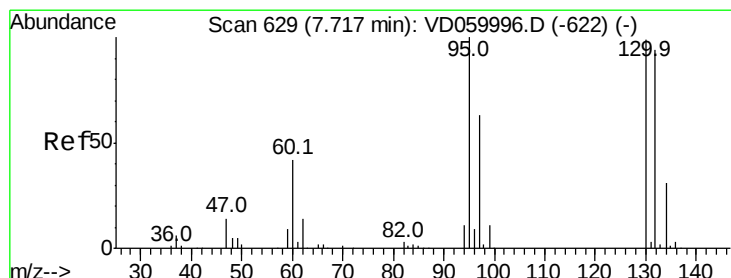
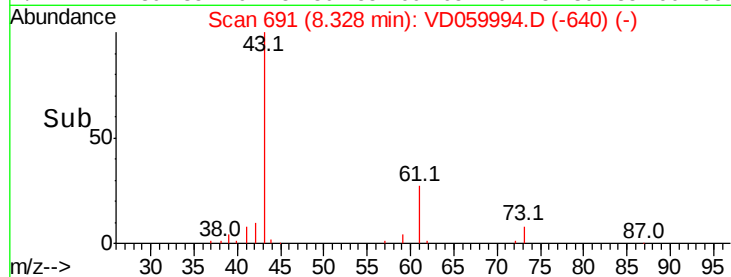
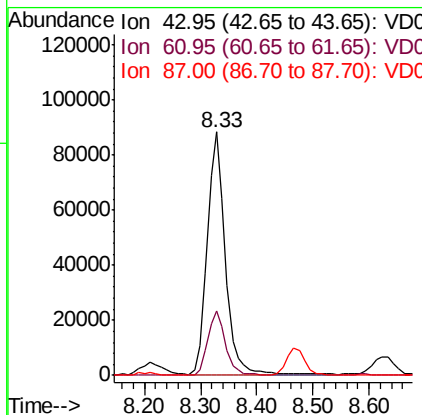
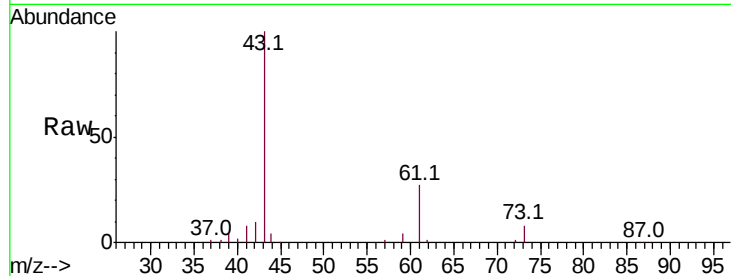


#43

Isopropyl Acetate
 Concen: 10.507 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampled :

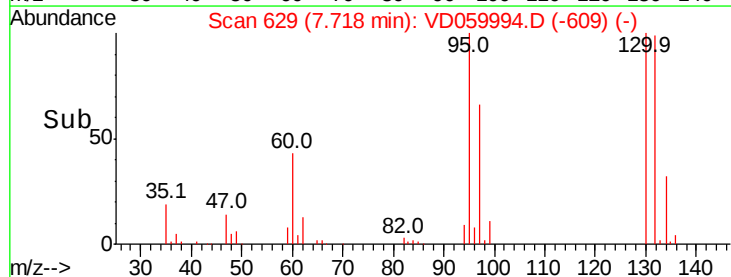
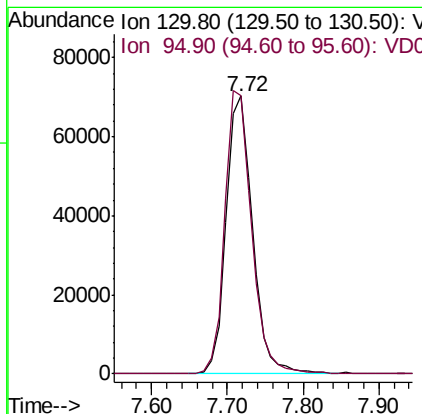
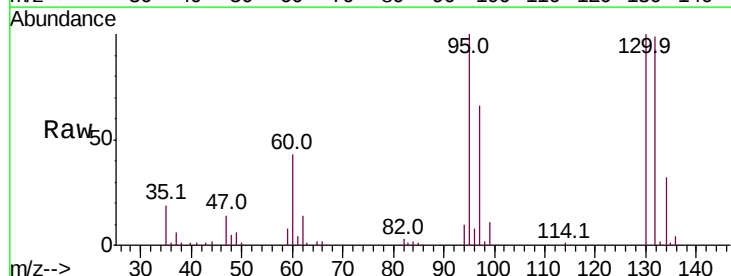
Tot Ion: 43 Resp: 202744
 Ion Ratio Lower Upper
 43 100
 61 26.6 21.0 31.6
 87 0.4 0.2 0.2#

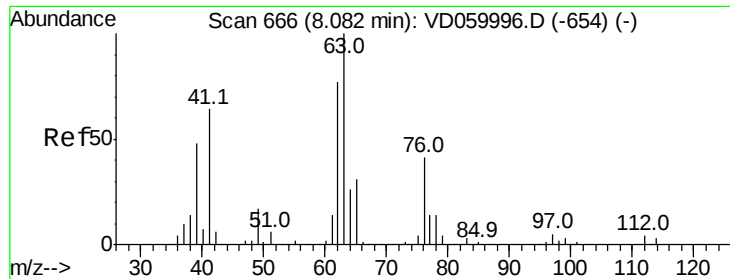


#44

Trichloroethene
 Concen: 11.253 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion:130 Resp: 169202
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 202.0





#45

1,2-Dichloropropane

Concen: 10.466 ug/l

RT: 8.07 min Scan# 665

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

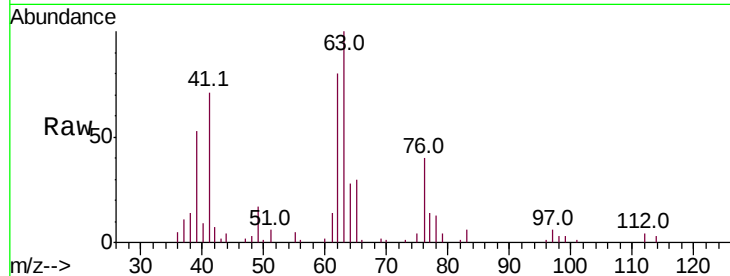
ClientSampleId :

Tot Ion: 63 Resp: 146654

Ion Ratio Lower Upper

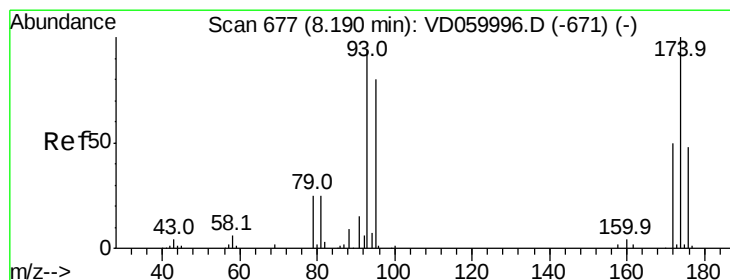
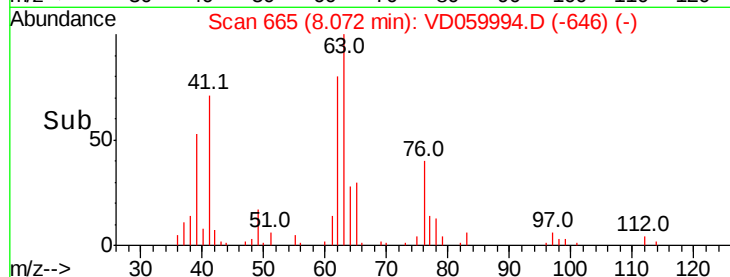
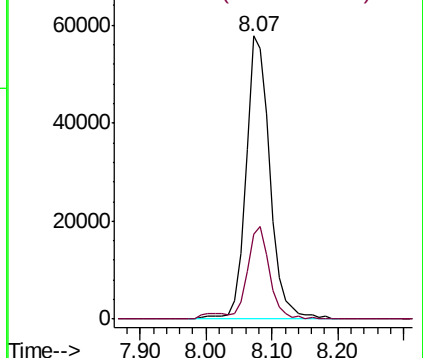
63 100

65 30.1 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 10.794 ug/l

RT: 8.19 min Scan# 677

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

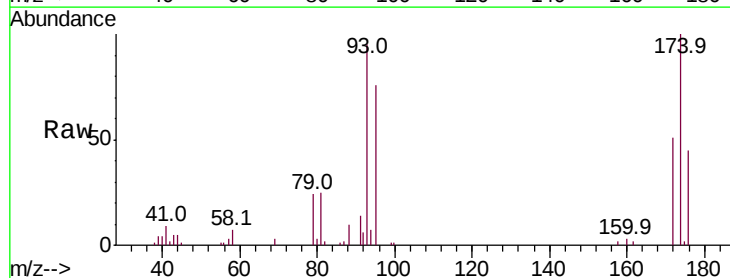
Tgt Ion: 93 Resp: 97349

Ion Ratio Lower Upper

93 100

95 80.0 68.0 102.0

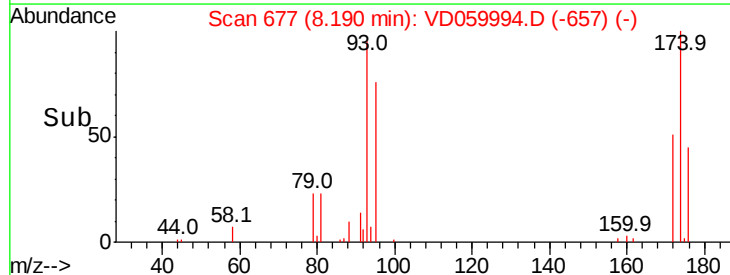
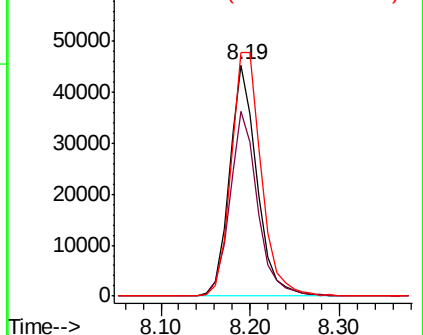
174 105.2 85.4 128.2

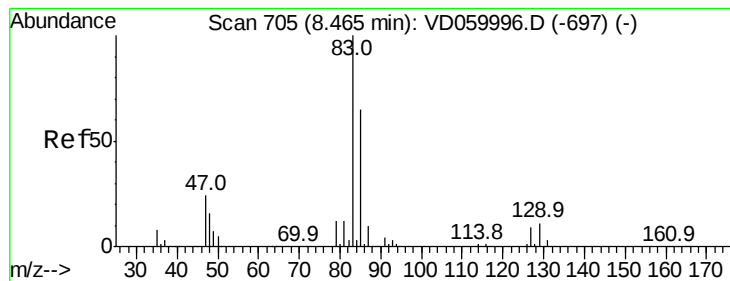


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.156 ug/l

RT: 8.47 min Scan# 705

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

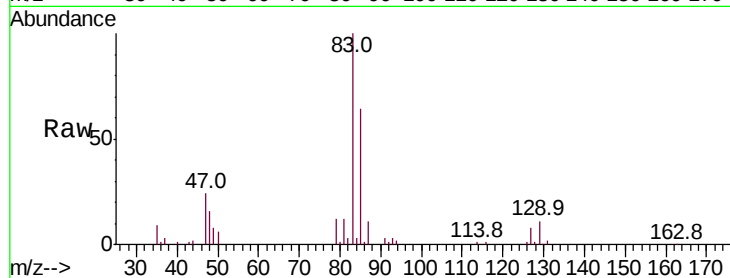
Tot Ion: 83 Resp: 205523

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

127 8.2 6.8 10.2



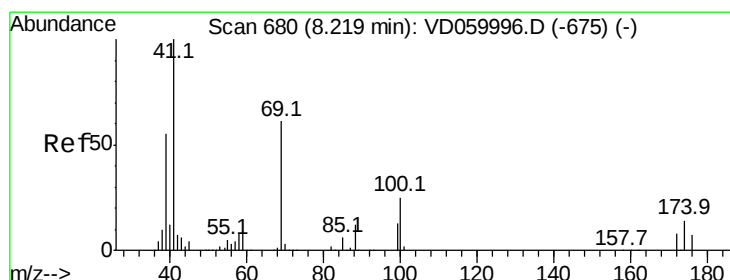
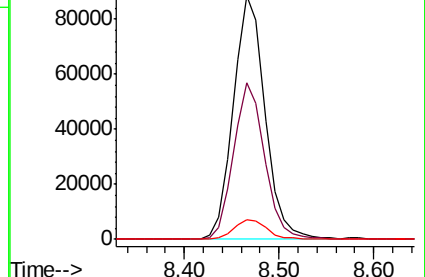
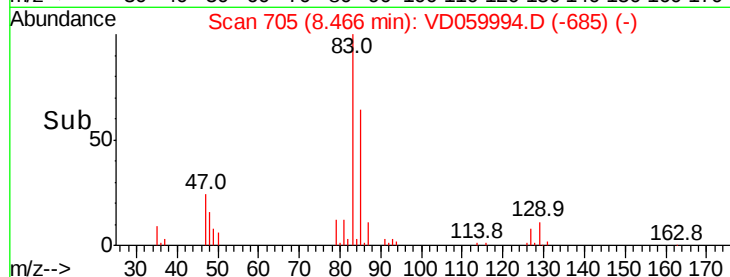
Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

8.47

Time-->



#48

Methyl methacrylate

Concen: 10.289 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

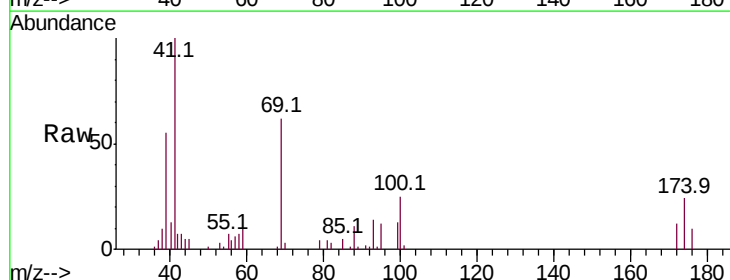
Tgt Ion: 41 Resp: 115549

Ion Ratio Lower Upper

41 100

69 62.1 48.3 72.5

39 54.6 44.1 66.1



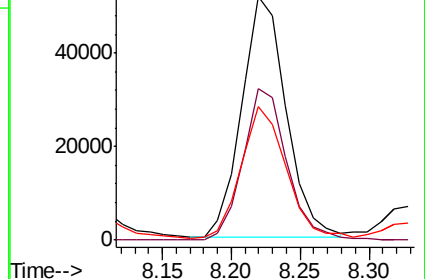
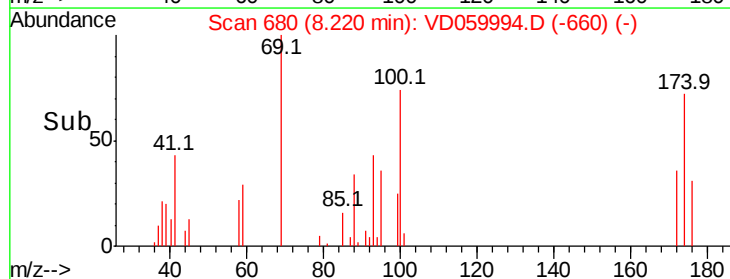
Abundance Ion 40.95 (40.65 to 41.65): VDC

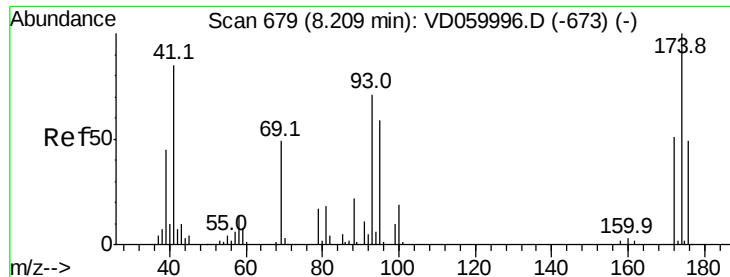
Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.22

Time-->





#49

1,4-Dioxane

Concen: 226.635 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

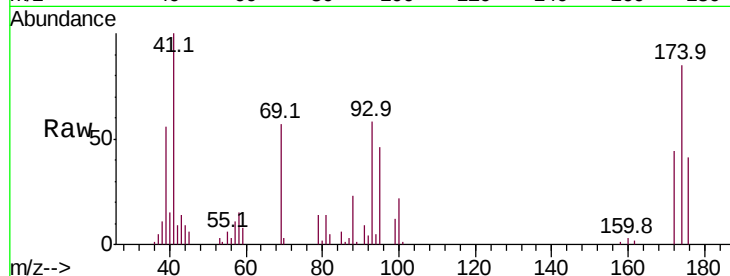
Tot Ion: 88 Resp: 23061

Ion Ratio Lower Upper

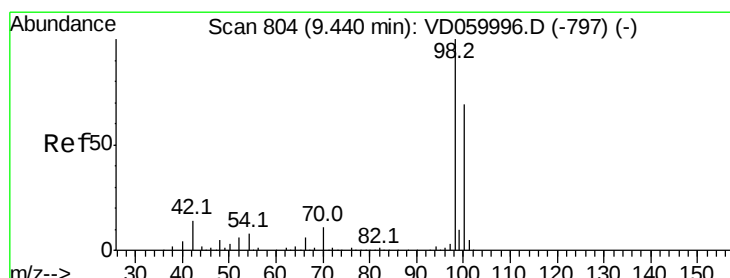
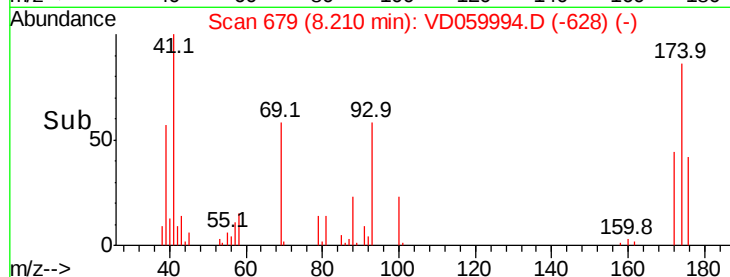
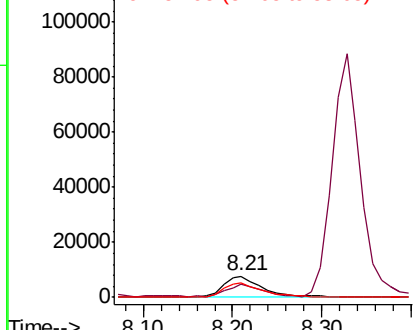
88 100

43 60.2 36.2 54.2#

58 67.3 51.0 76.6



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: 226.635 ug/l

RT: 9.43 min Scan# 803

Delta R.T. -0.01 min

Lab File: VD059994.D

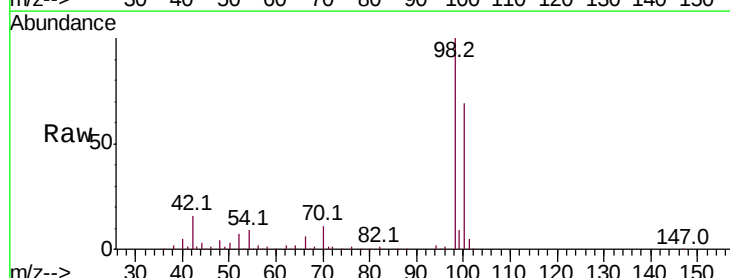
Acq: 13 Sep 2018 12:45

Tgt Ion: 98 Resp: 473624

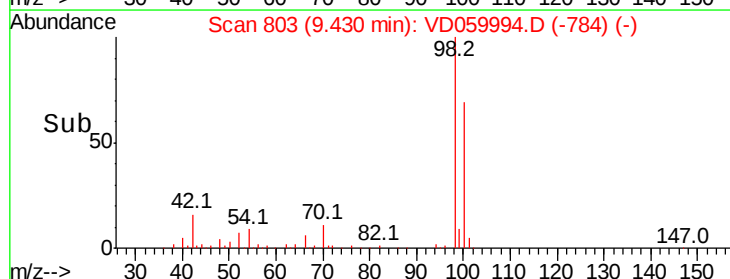
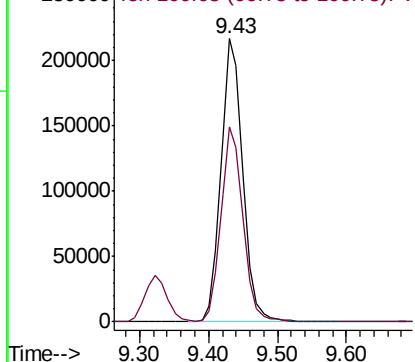
Ion Ratio Lower Upper

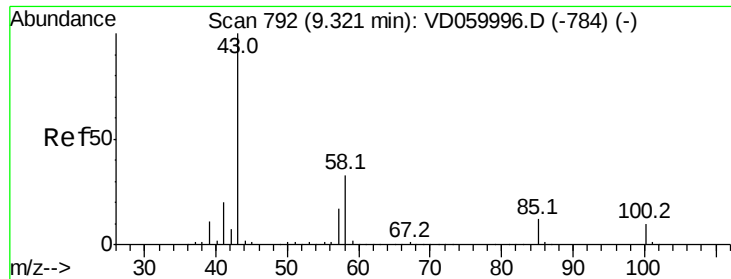
98 100

100 69.1 55.8 83.6



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: 60.675 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

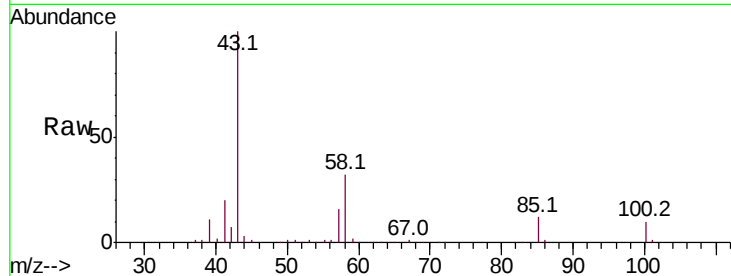
ClientSampleId :

Tot Ion: 43 Resp: 834726

Ion Ratio Lower Upper

43 100

58 32.2 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

300000

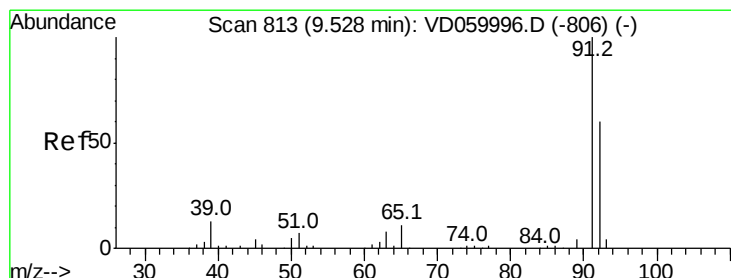
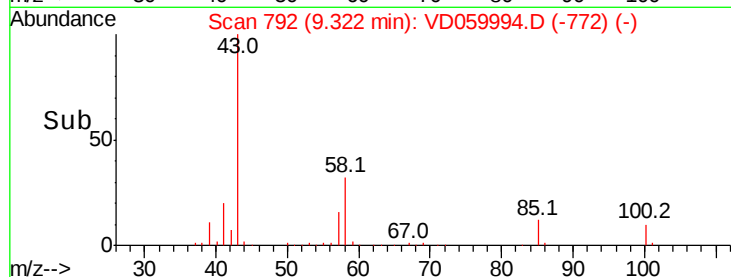
200000

100000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 11.150 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059994.D

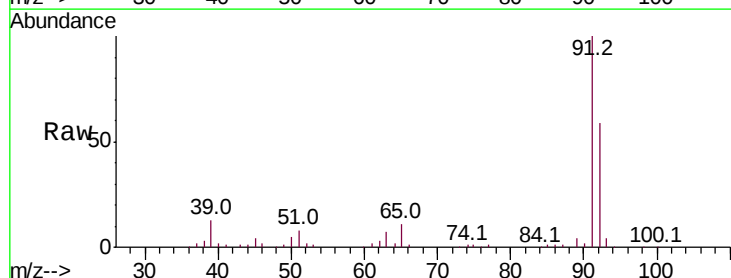
Acq: 13 Sep 2018 12:45

Tgt Ion: 92 Resp: 361893

Ion Ratio Lower Upper

92 100

91 170.4 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

300000

250000

200000

150000

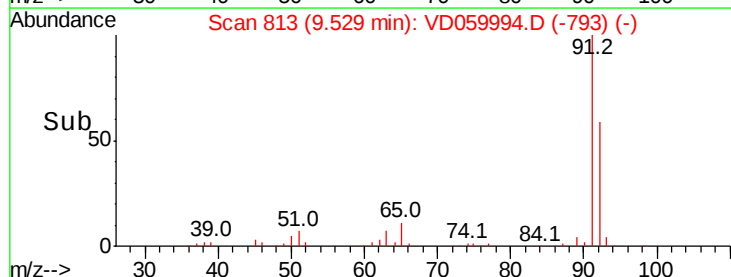
100000

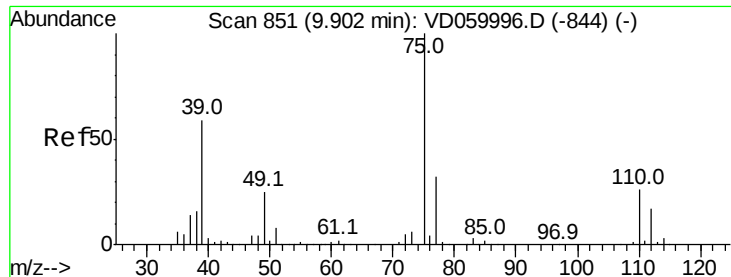
50000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 10.471 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

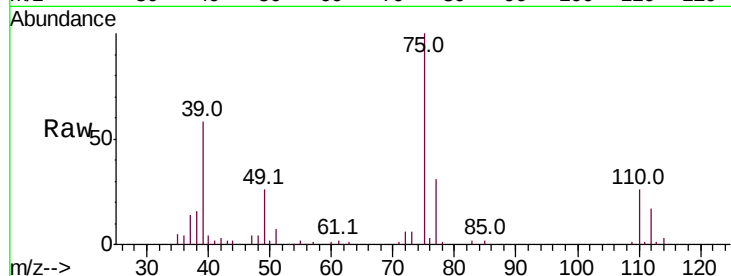
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 195478

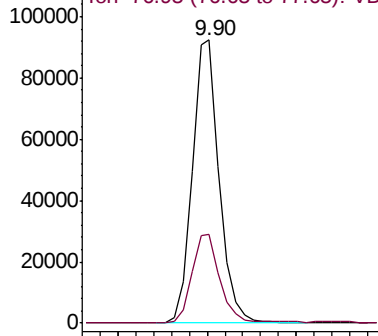
Ion Ratio Lower Upper

75 100

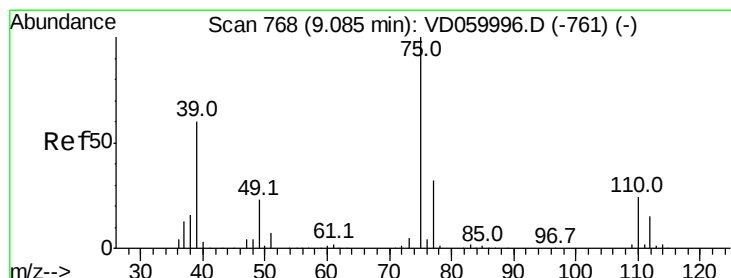
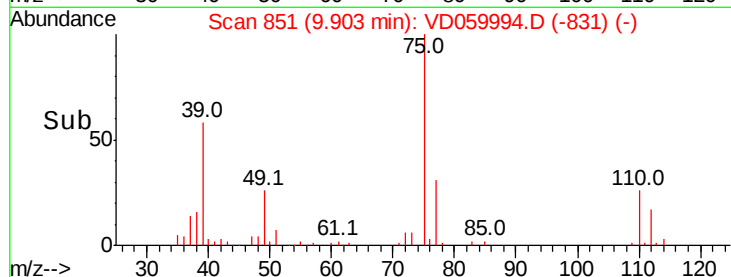
77 31.3 25.6 38.4



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



Time-->



#54

cis-1,3-Dichloropropene

Concen: 10.658 ug/l

RT: 9.08 min Scan# 767

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

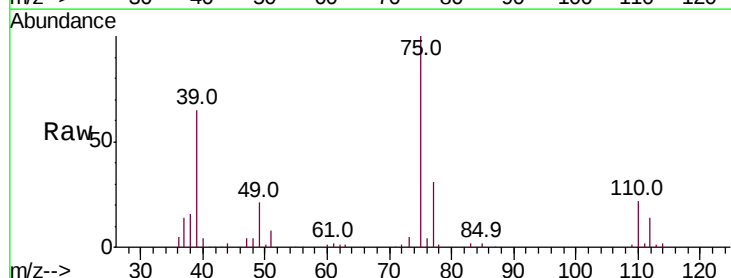
Tgt Ion: 75 Resp: 233592

Ion Ratio Lower Upper

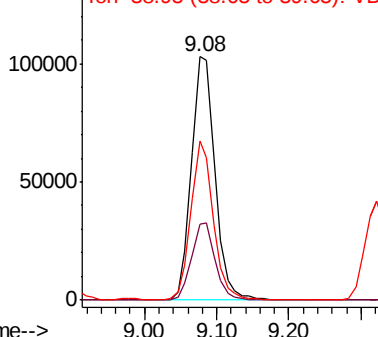
75 100

77 31.1 25.5 38.3

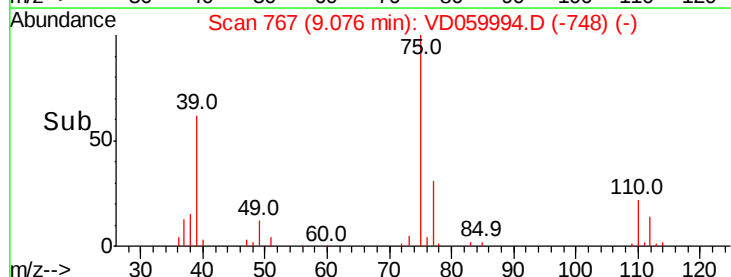
39 65.4 48.0 72.0

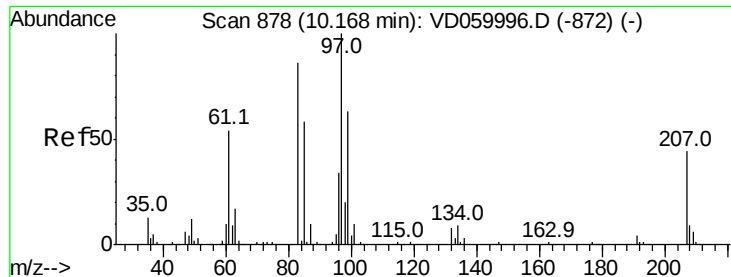


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



Time-->



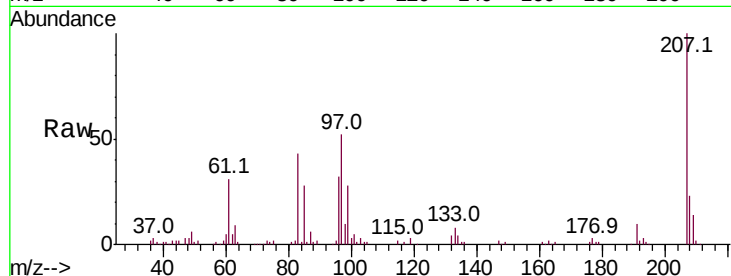


#55
 1,1,2-Trichloroethane
 Concen: 10.878 ug/l
 RT: 10.16 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

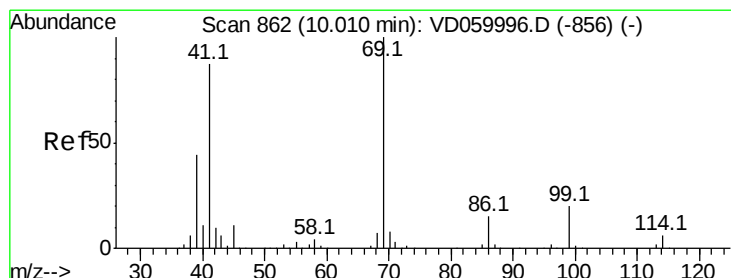
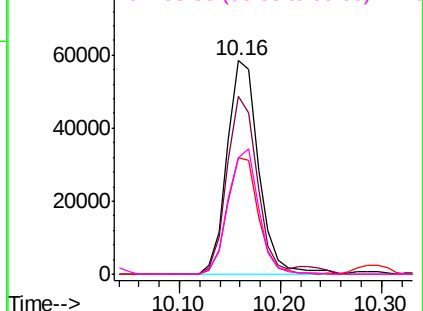
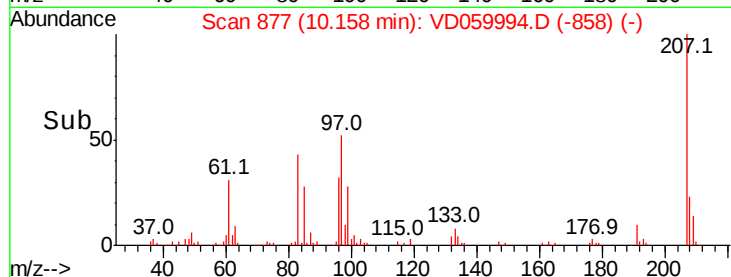
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 127279

Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.1	103.7
85	54.3	46.2	69.4
99	54.6	50.6	75.8



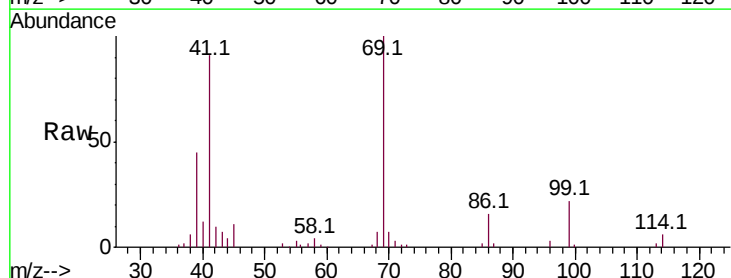
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



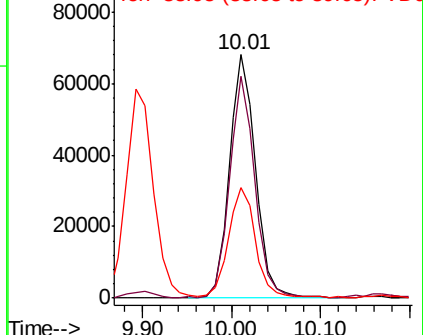
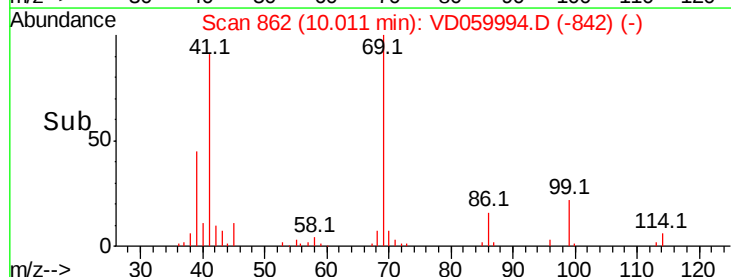
#56
 Ethyl methacrylate
 Concen: 10.405 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

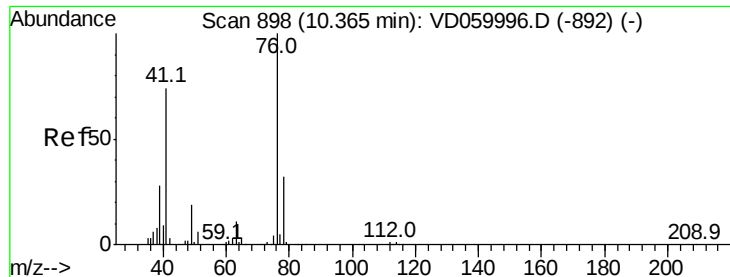
Tgt Ion: 69 Resp: 139449

Ion	Ratio	Lower	Upper
69	100		
41	91.2	70.1	105.1
39	45.2	36.5	54.7



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: 10.693 ug/l

RT: 10.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

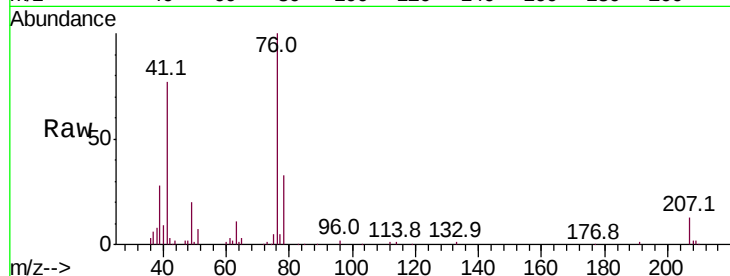
ClientSampleId :

Tot Ion: 76 Resp: 181321

Ion Ratio Lower Upper

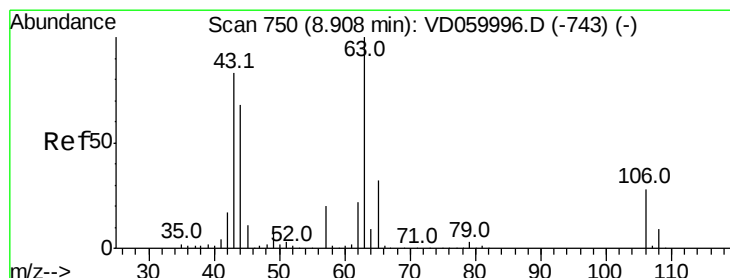
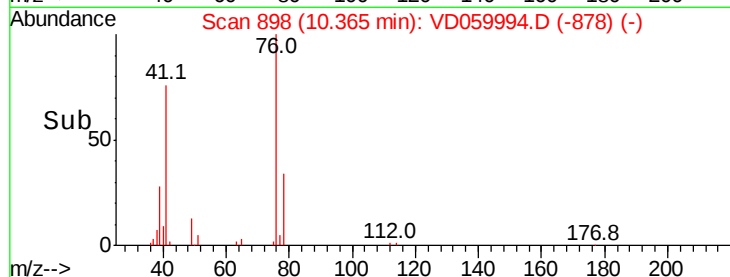
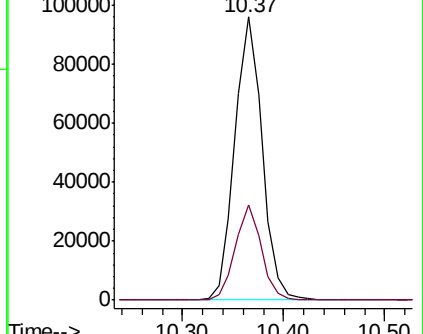
76 100

78 33.5 25.3 37.9



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: 55.894 ug/l

RT: 8.90 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD059994.D

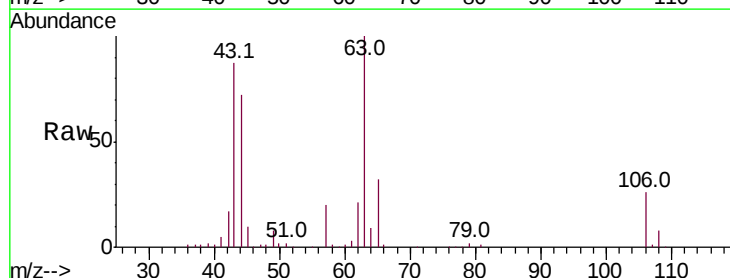
Acq: 13 Sep 2018 12:45

Tgt Ion: 63 Resp: 358834

Ion Ratio Lower Upper

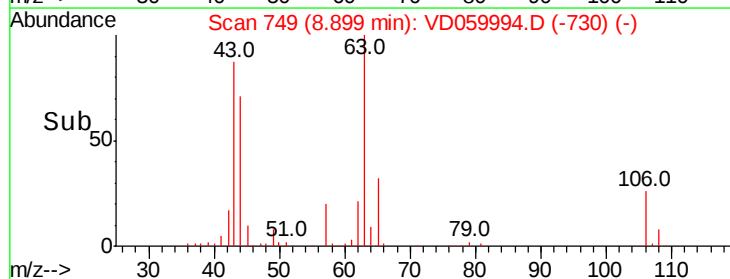
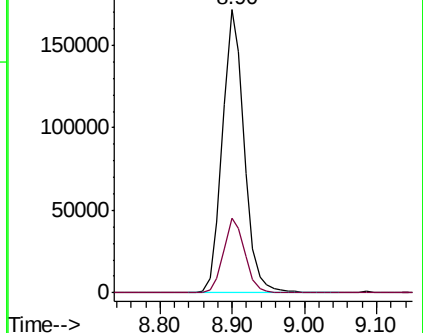
63 100

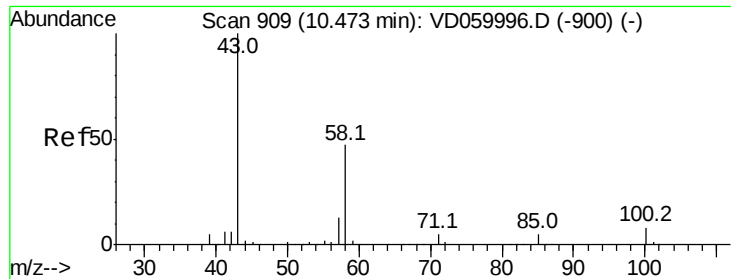
106 26.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

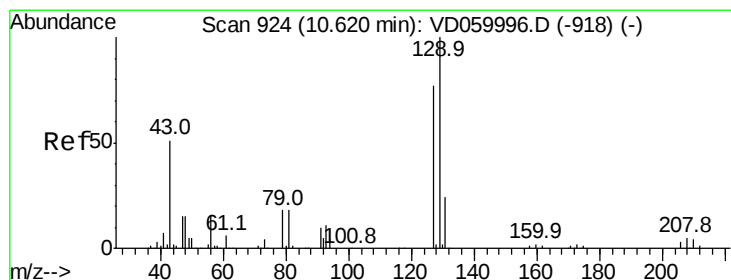
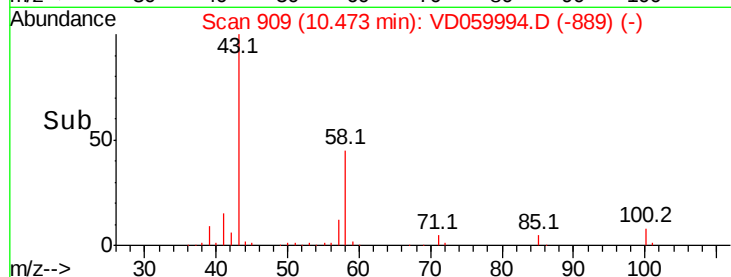
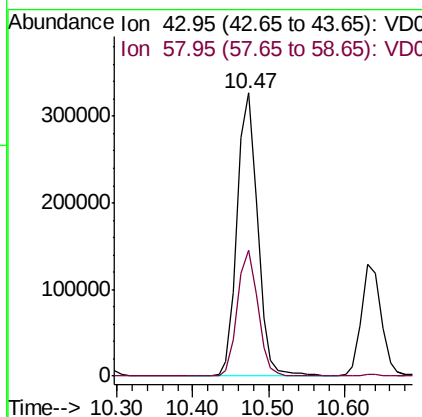
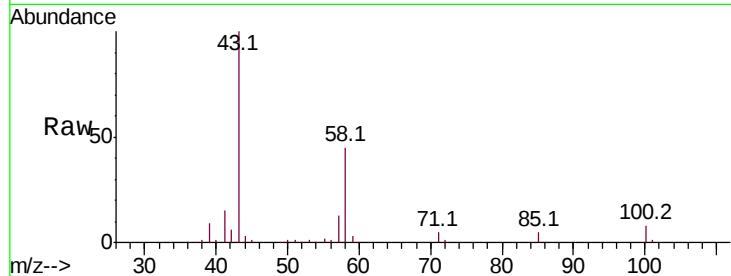




#59
2-Hexanone
Concen: 60.112 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

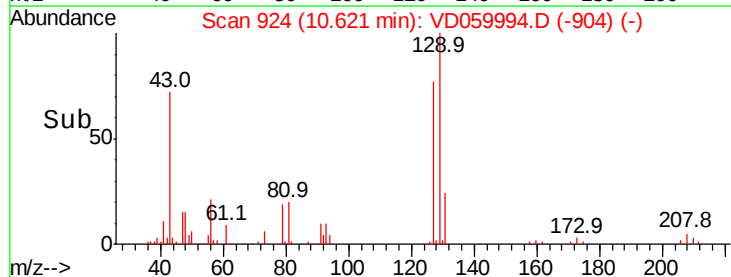
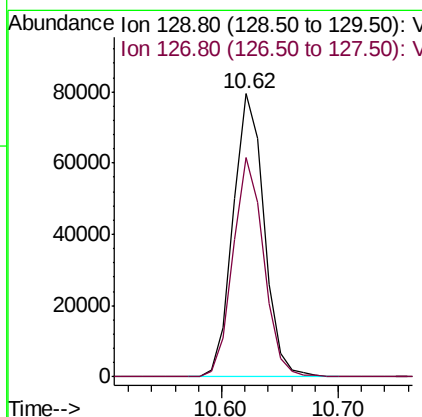
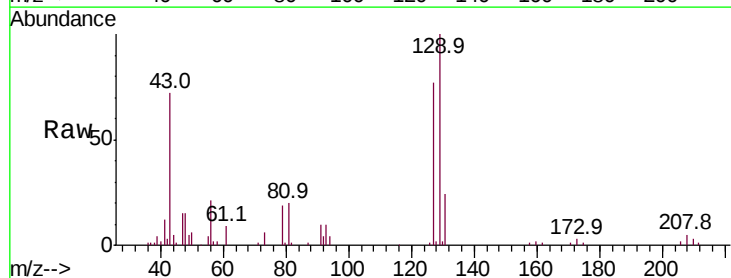
Instrument :
MSVOA_D
ClientSampled :

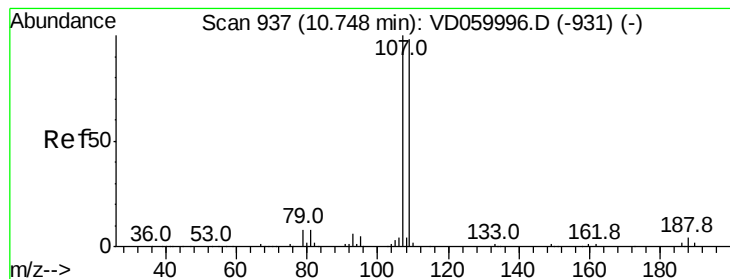
Tot Ion: 43 Resp: 609867
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.0



#60
Dibromochloromethane
Concen: 9.978 ug/l
RT: 10.62 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 129 Resp: 146491
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 10.615 ug/l

RT: 10.74 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

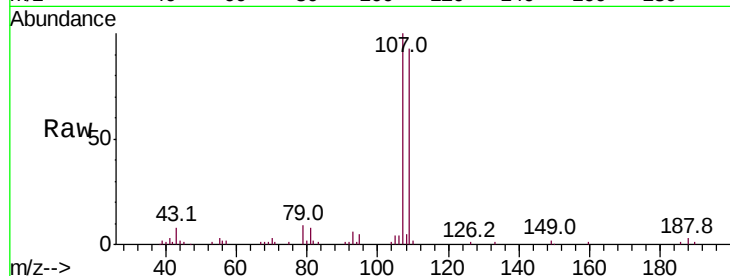
ClientSampleId :

Tot Ion:107 Resp: 125478

Ion Ratio Lower Upper

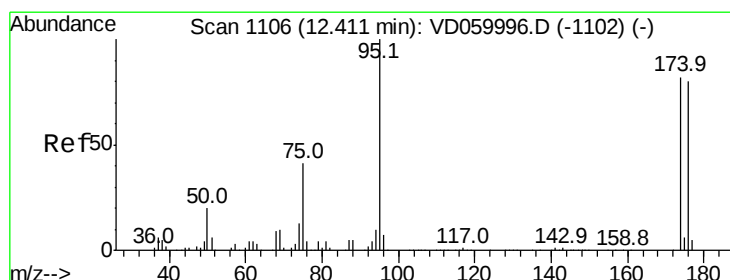
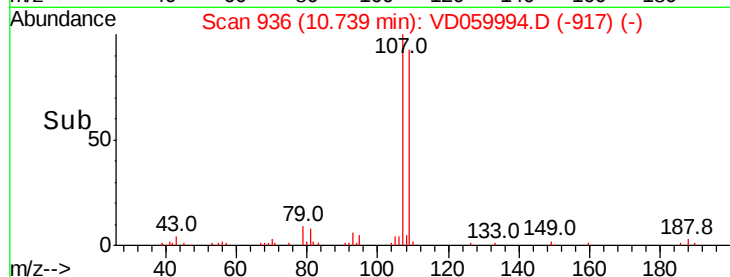
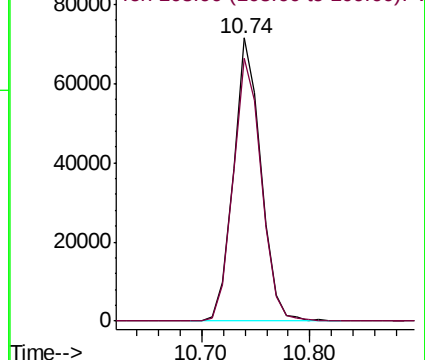
107 100

109 93.1 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 10.615 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

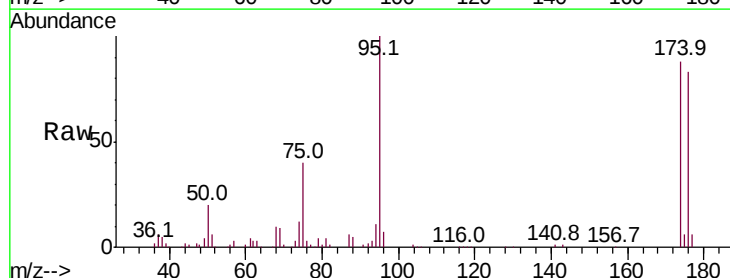
Tgt Ion: 95 Resp: 187024

Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.0

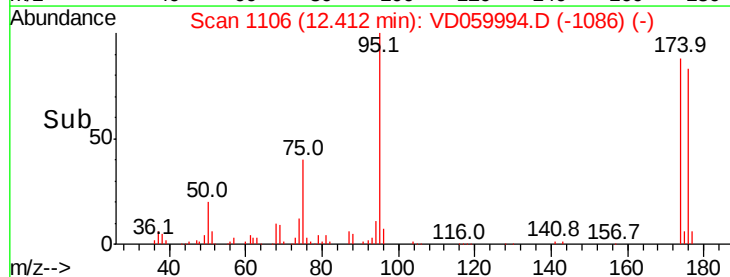
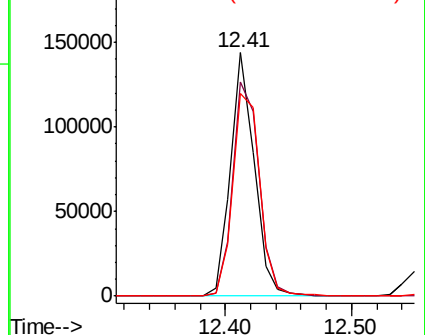
176 83.2 0.0 160.2

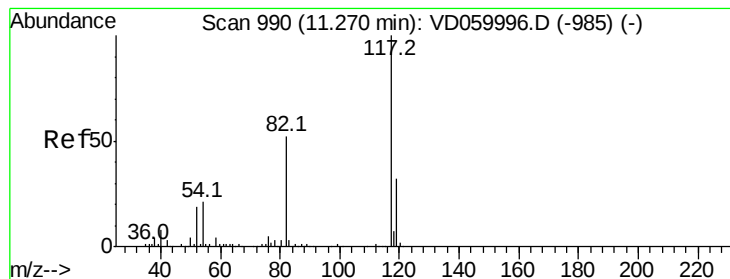


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

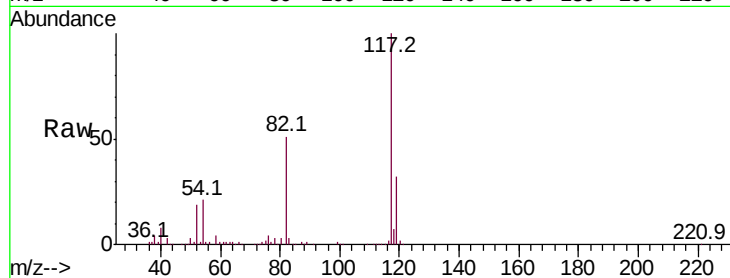
Tot Ion:117 Resp: 1740821

Ion Ratio Lower Upper

117 100

82 51.0 41.7 62.5

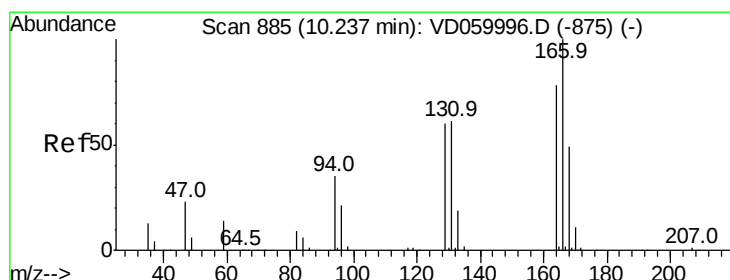
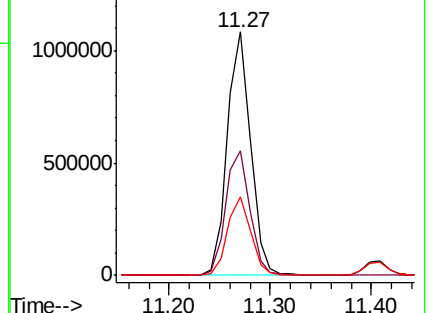
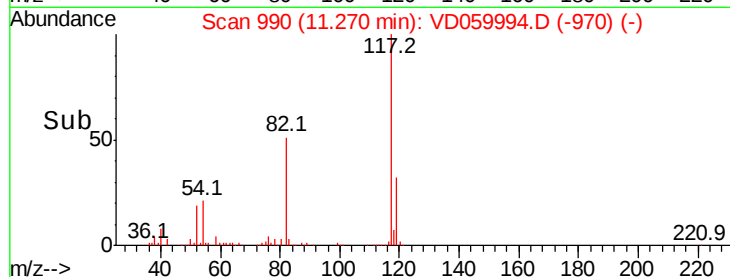
119 32.4 26.0 39.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 11.749 ug/l

RT: 10.24 min Scan# 885

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion:164 Resp: 164104

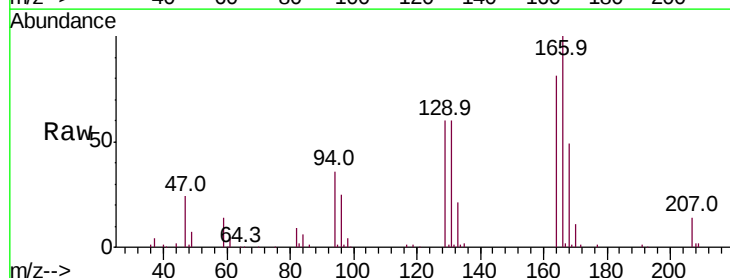
Ion Ratio Lower Upper

164 100

166 123.5 103.0 154.6

129 74.0 61.9 92.9

131 73.8 62.6 93.8

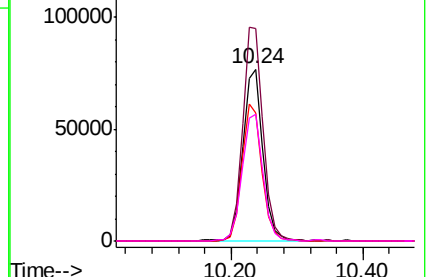
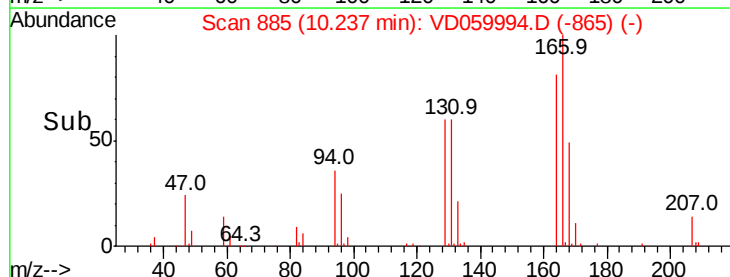


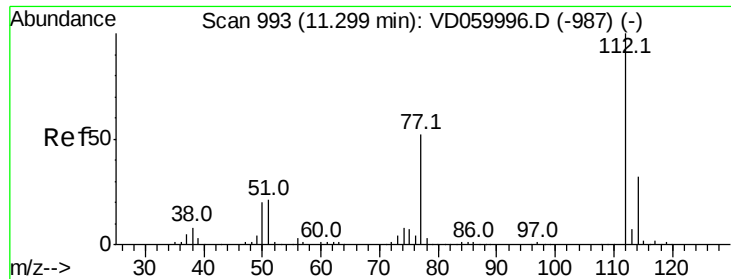
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

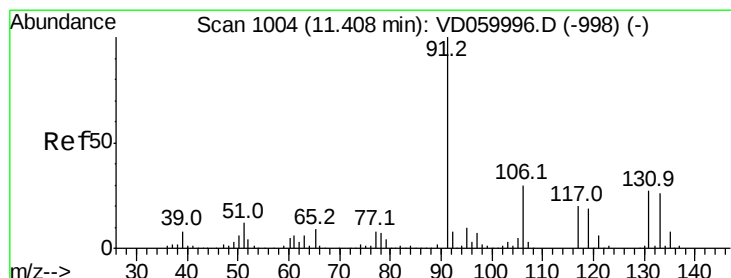
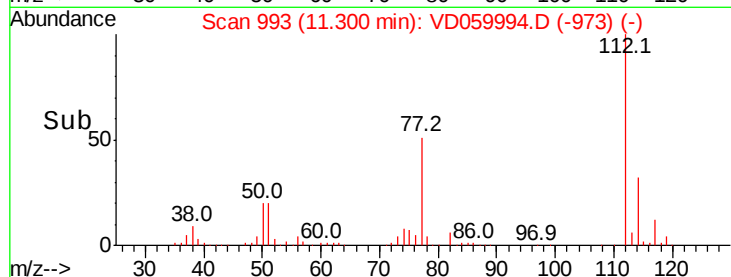
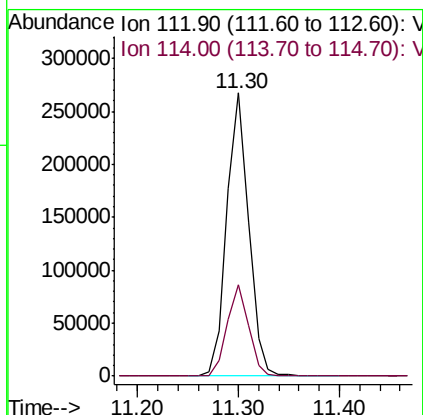
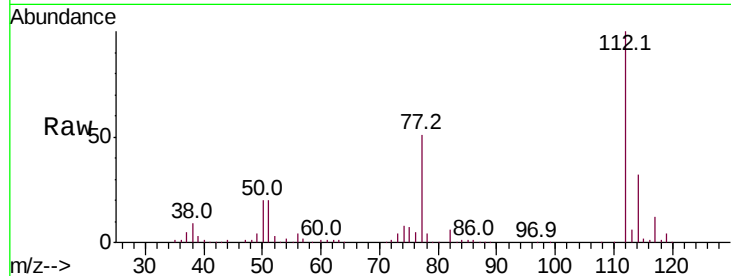




#65
Chlorobenzene
Concen: 11.368 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

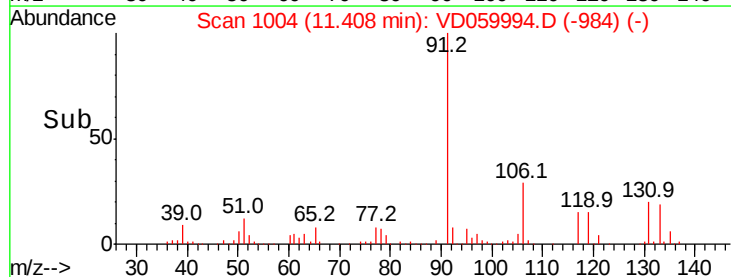
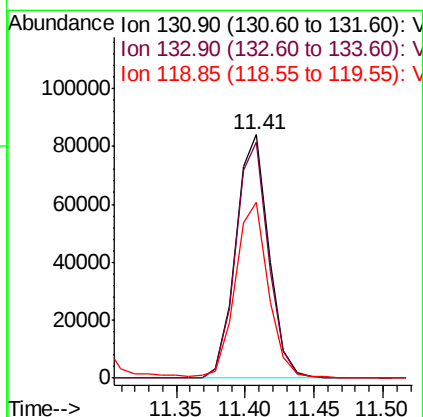
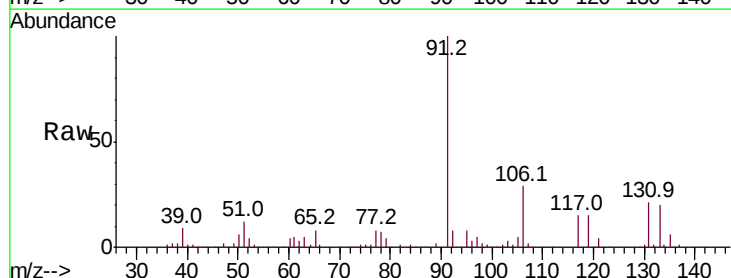
Instrument :
MSVOA_D
ClientSampleId :

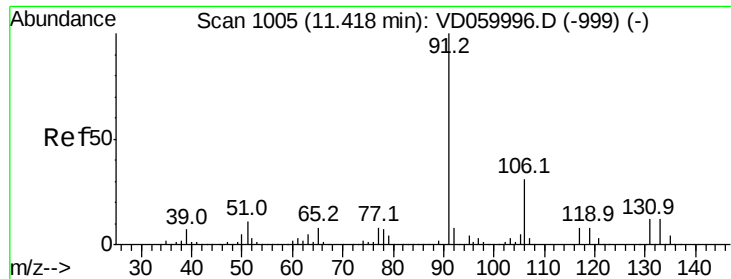
Tot Ion:112 Resp: 403637
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.959 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion:131 Resp: 140232
Ion Ratio Lower Upper
131 100
133 97.2 47.4 142.3
119 72.0 35.6 106.9

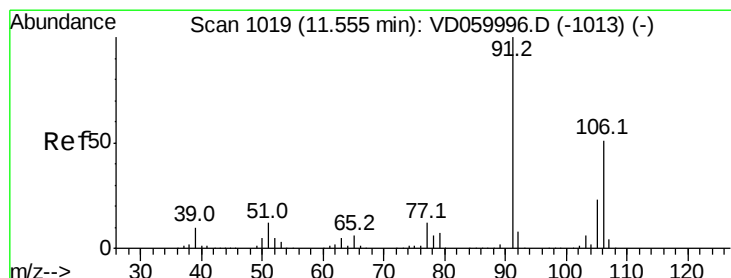
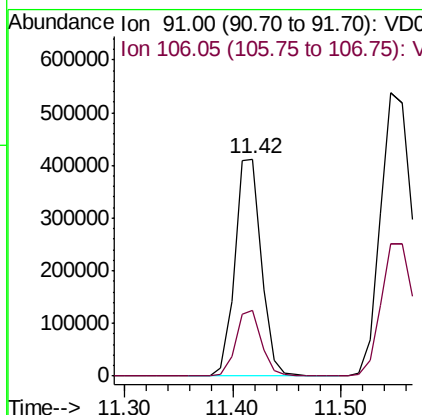
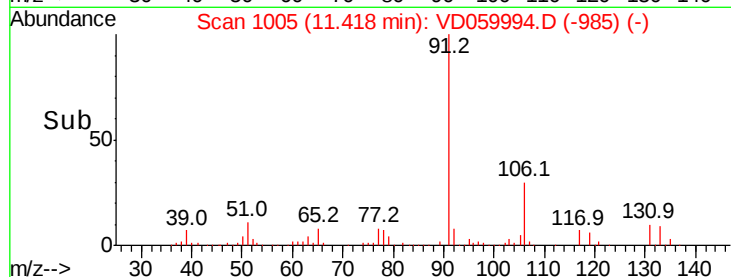
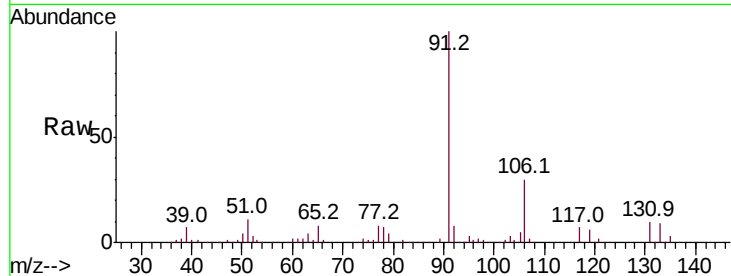




#67
Ethyl Benzene
Concen: 11.811 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

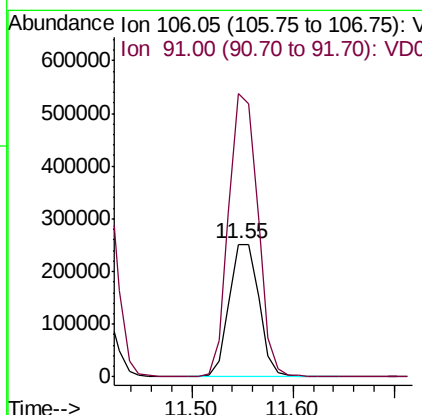
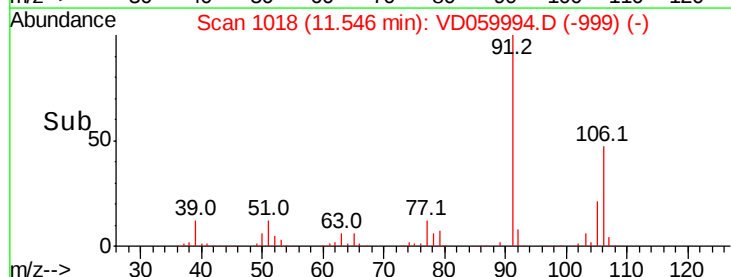
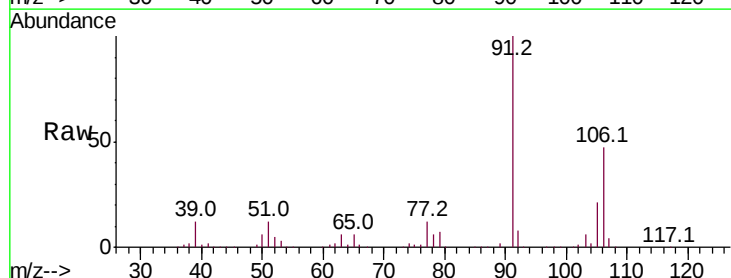
Instrument :
MSVOA_D
ClientSampled :

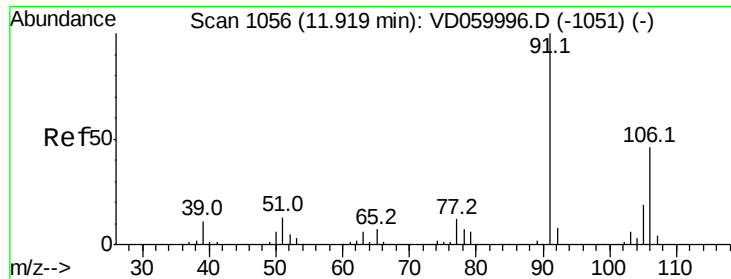
Tot Ion: 91 Resp: 700577
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2



#68
m/p-Xylenes
Concen: 23.740 ug/l
RT: 11.55 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 106 Resp: 517701
Ion Ratio Lower Upper
106 100
91 213.1 157.0 235.6

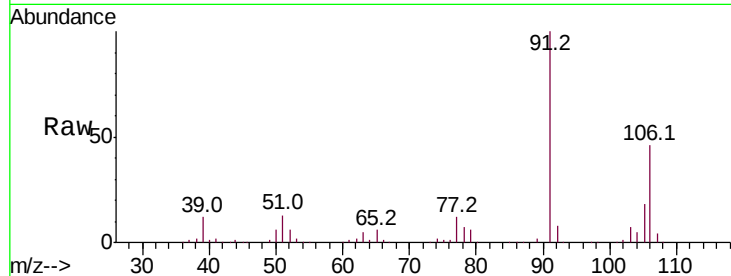




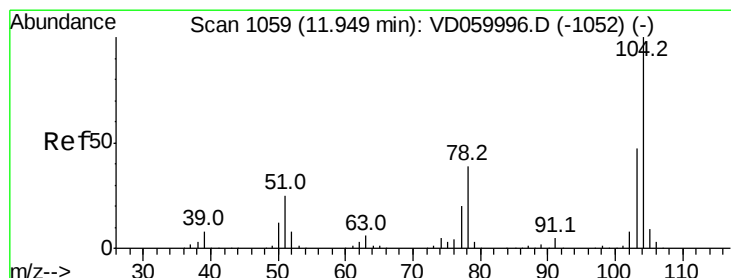
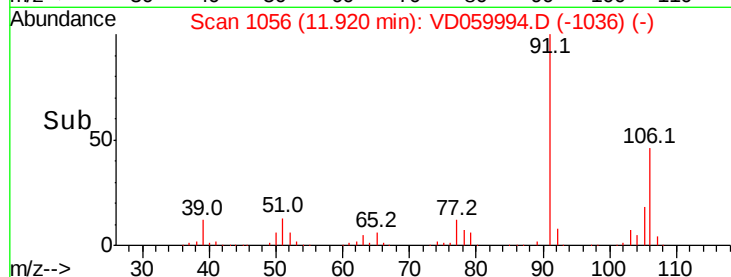
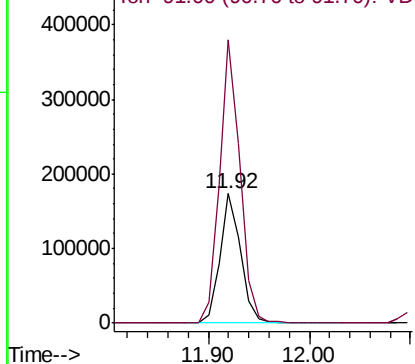
#69
o-Xylene
Concen: 11.631 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 247387
Ion Ratio Lower Upper
106 100
91 218.6 107.7 323.1

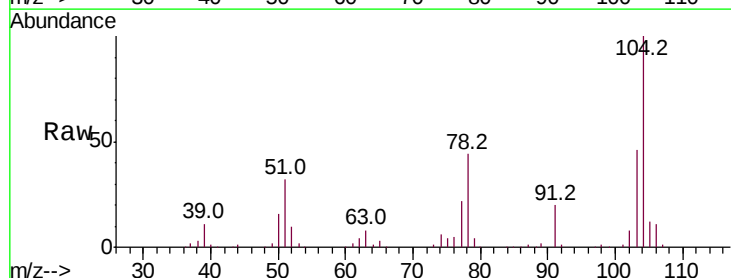


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

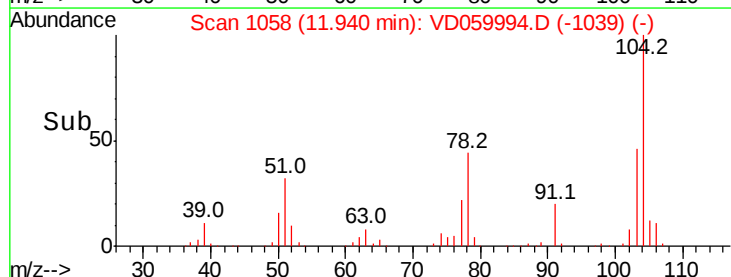
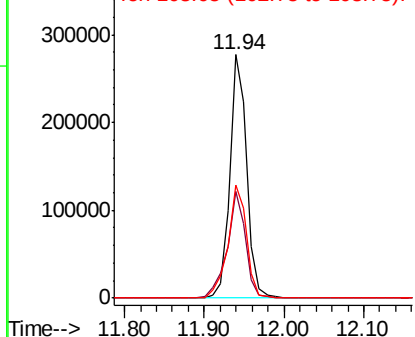


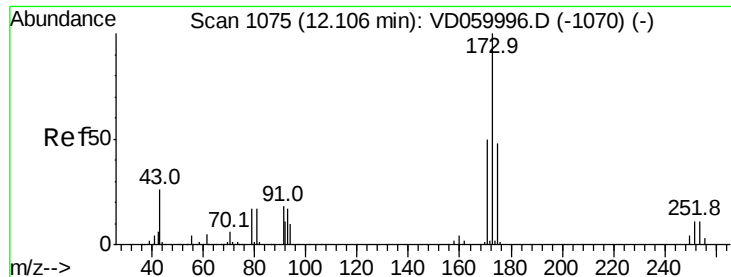
#70
Styrene
Concen: 11.293 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion:104 Resp: 413028
Ion Ratio Lower Upper
104 100
78 43.7 31.0 46.4
103 46.2 37.6 56.4



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: 9.742 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

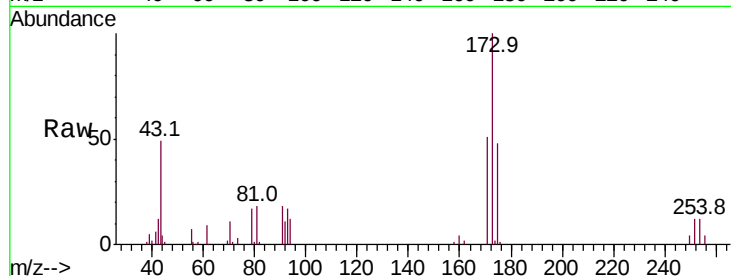
Tot Ion:173 Resp: 107674

Ion Ratio Lower Upper

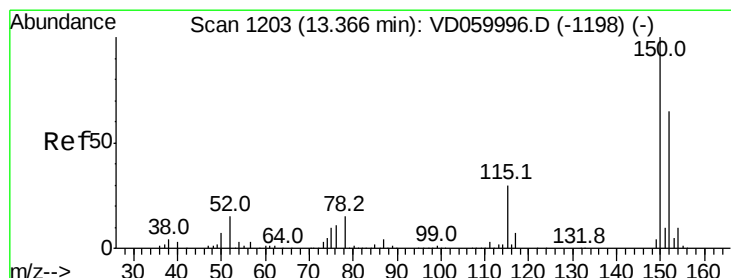
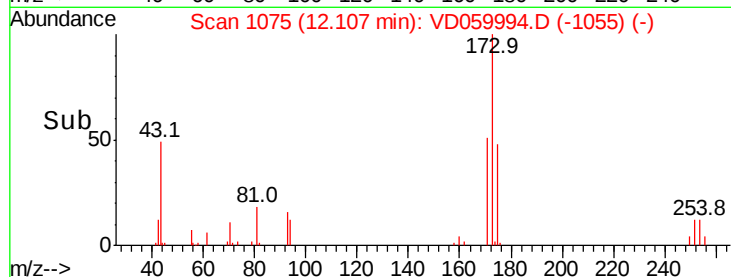
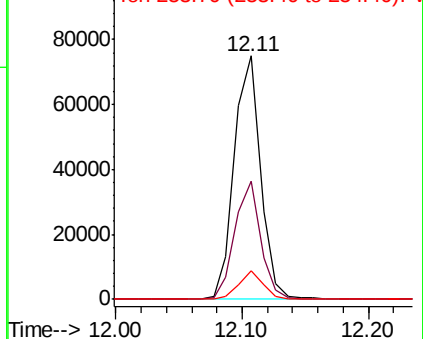
173 100

175 48.4 24.0 72.0

254 11.9 8.6 13.0



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: 13.36 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

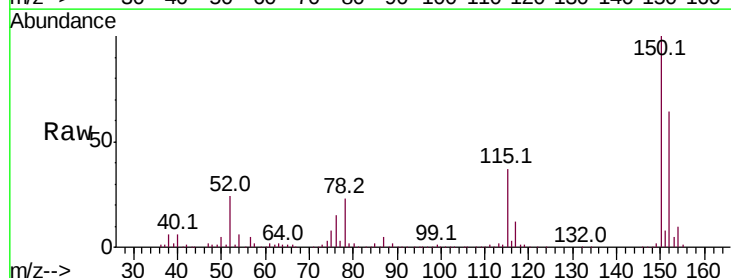
Tgt Ion:152 Resp: 927368

Ion Ratio Lower Upper

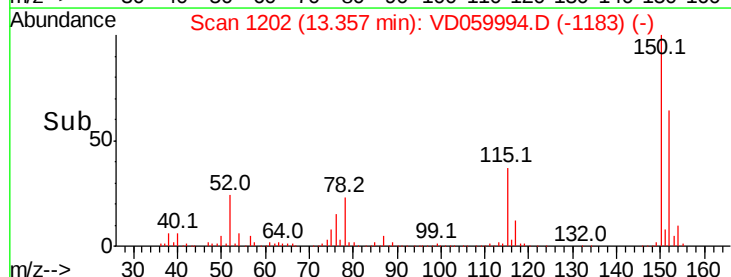
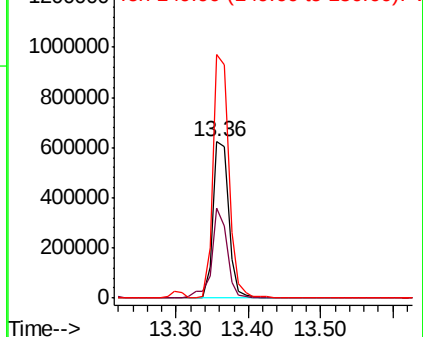
152 100

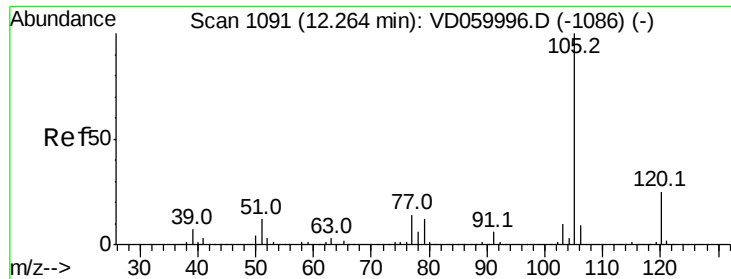
115 57.7 24.6 73.8

150 155.8 0.0 313.4



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

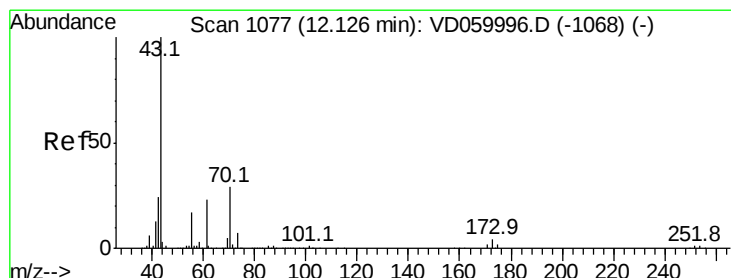
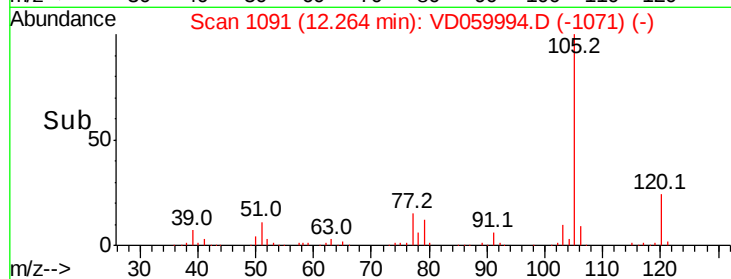
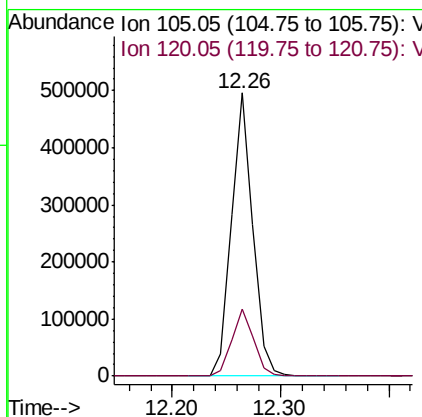
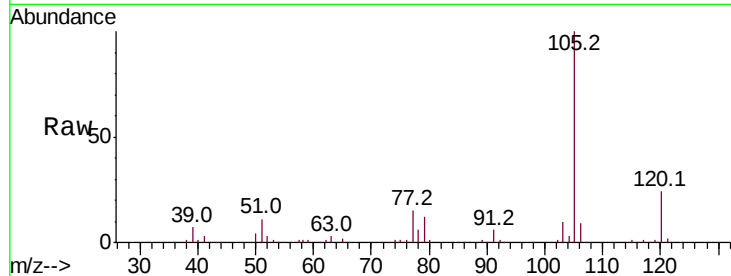




#73
Isopropylbenzene
Concen: 11.296 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

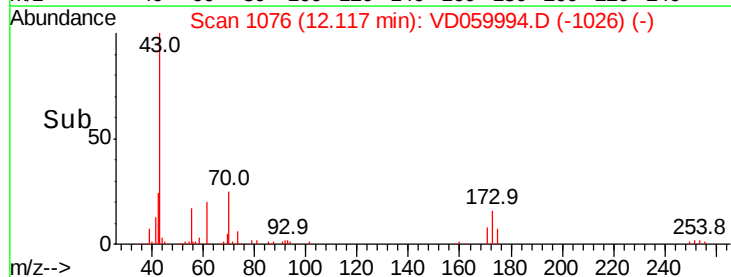
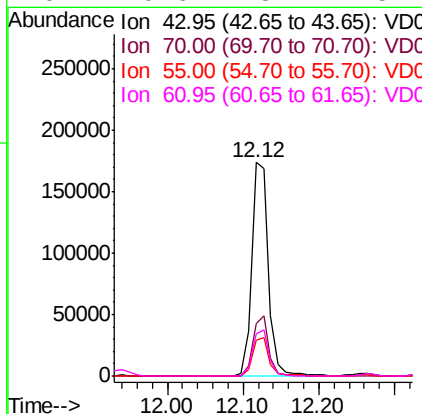
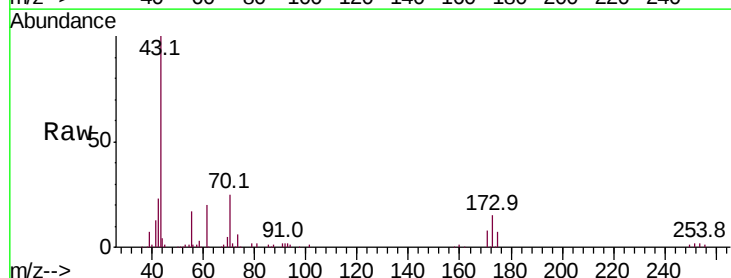
Instrument :
MSVOA_D
ClientSampled :

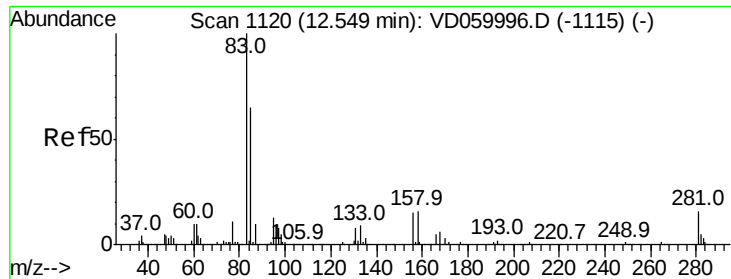
Tot Ion:105 Resp: 681362
Ion Ratio Lower Upper
105 100
120 23.8 12.3 36.9



#74
N-ethyl acetate
Concen: 10.360 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 43 Resp: 266910
Ion Ratio Lower Upper
43 100
70 24.8 22.9 34.3
55 17.0 14.0 21.0
61 19.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 10.821 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

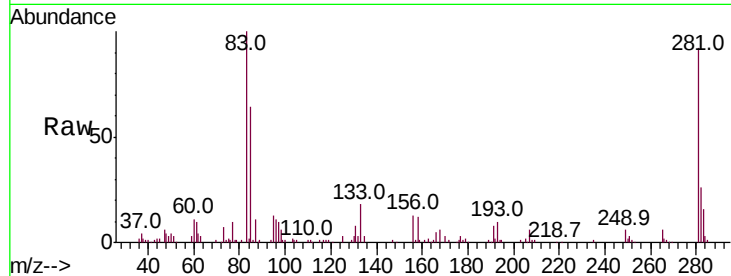
Tot Ion: 83 Resp: 150029

Ion Ratio Lower Upper

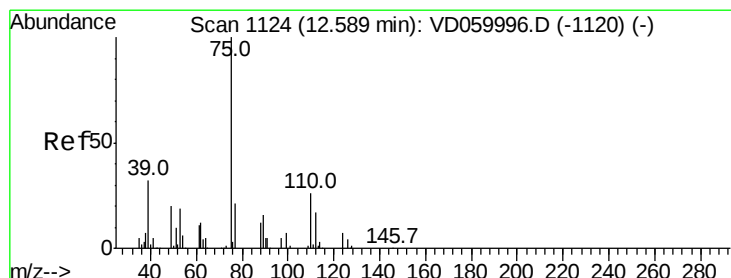
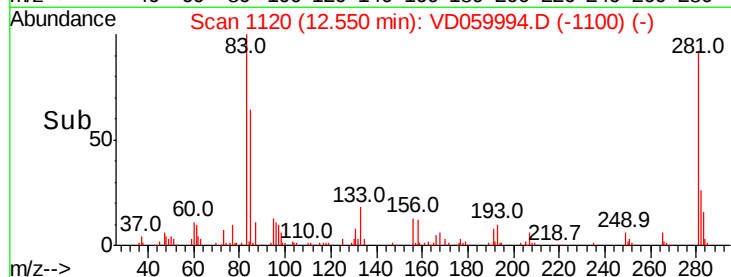
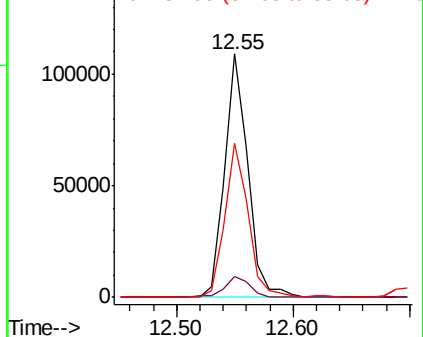
83 100

131 8.4 4.1 12.3

85 63.5 32.4 97.2



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: 10.225 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD059994.D

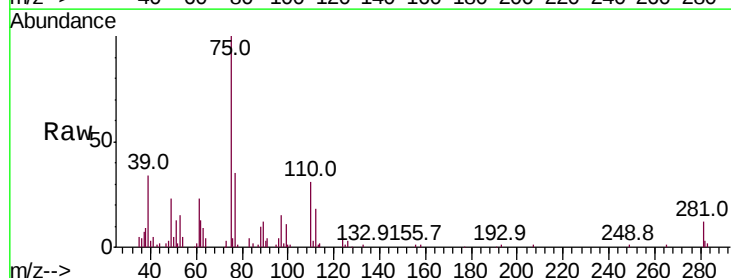
Acq: 13 Sep 2018 12:45

Tgt Ion: 75 Resp: 147676

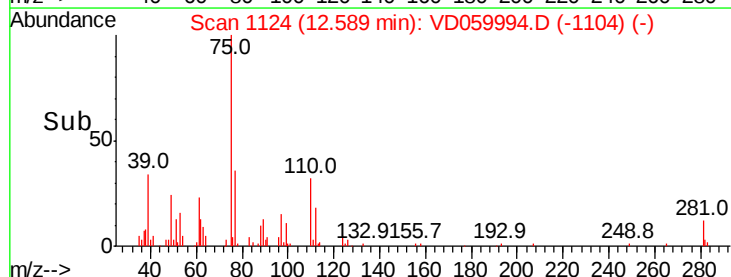
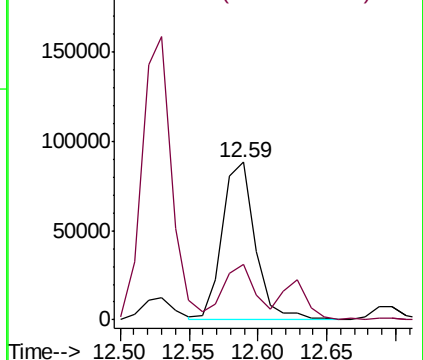
Ion Ratio Lower Upper

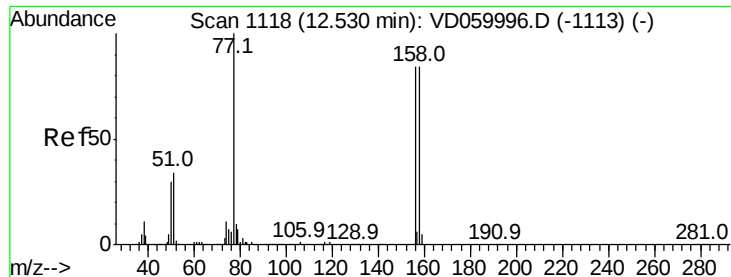
75 100

77 35.2 16.4 49.4



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





#77

Bromobenzene

Concen: 11.354 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

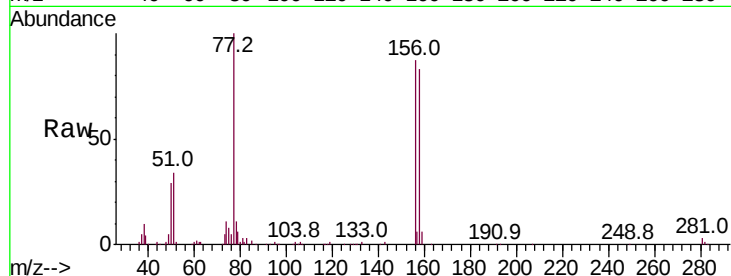
Tot Ion:156 Resp: 189716

Ion Ratio Lower Upper

156 100

77 115.2 59.5 178.4

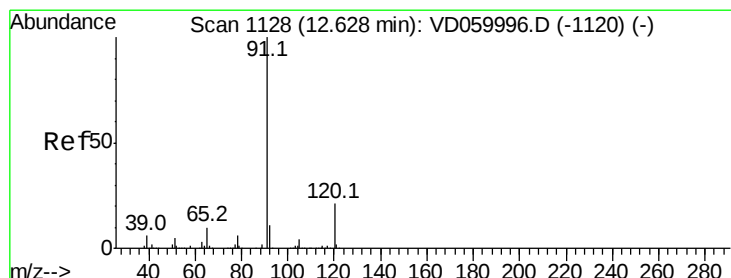
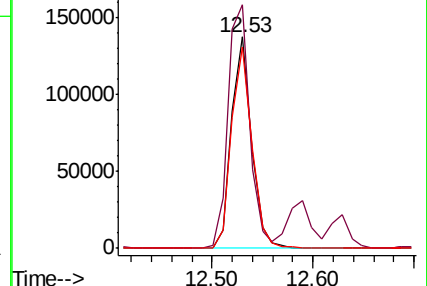
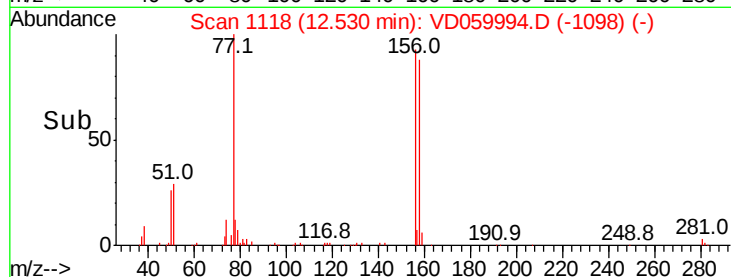
158 95.1 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 11.235 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD059994.D

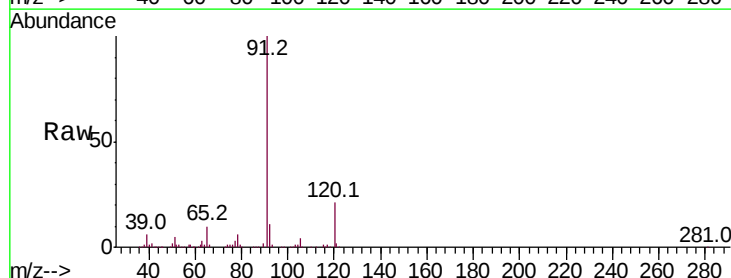
Acq: 13 Sep 2018 12:45

Tgt Ion: 91 Resp: 854289

Ion Ratio Lower Upper

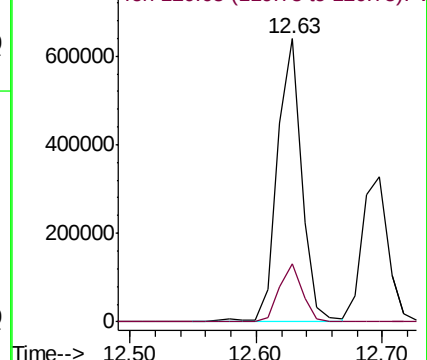
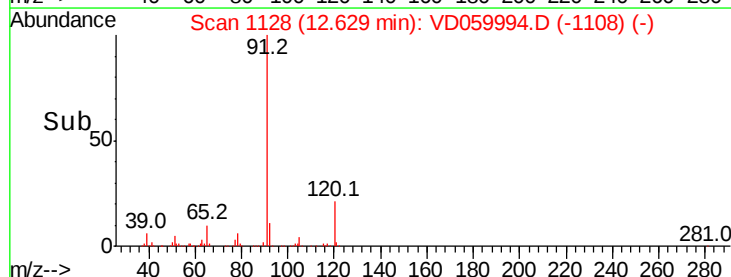
91 100

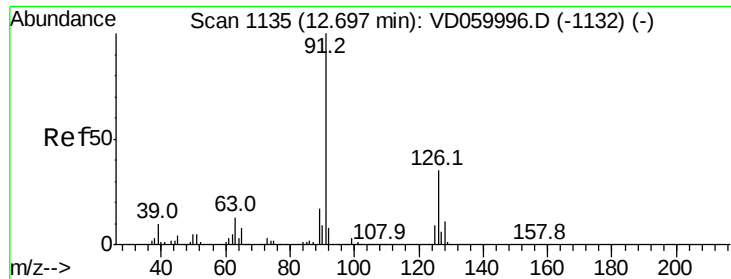
120 20.7 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

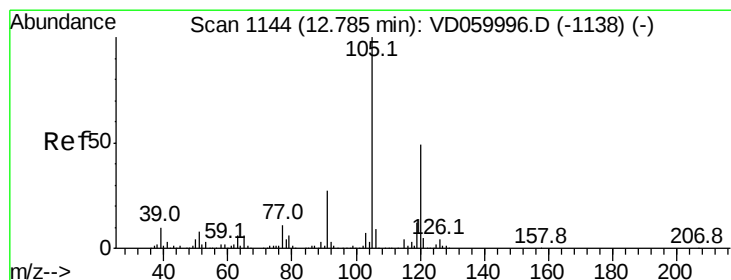
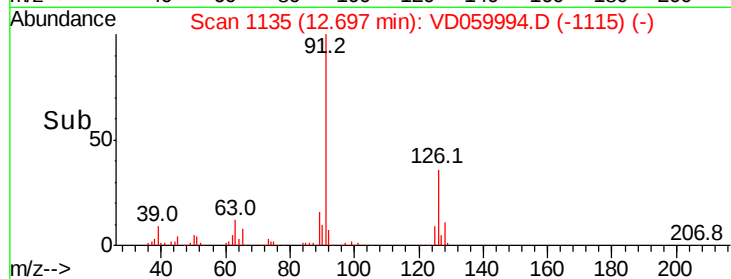
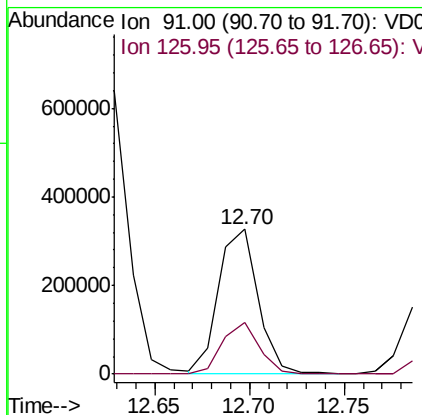
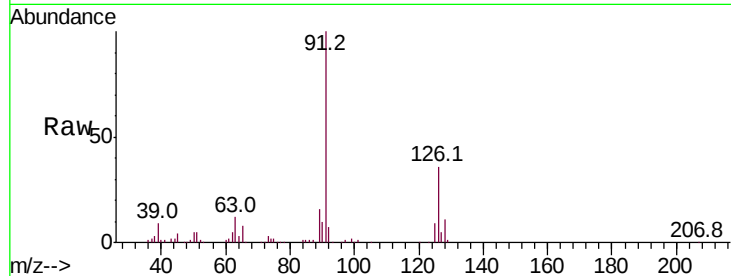




#79
 2-Chlorotoluene
 Concen: 10.999 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

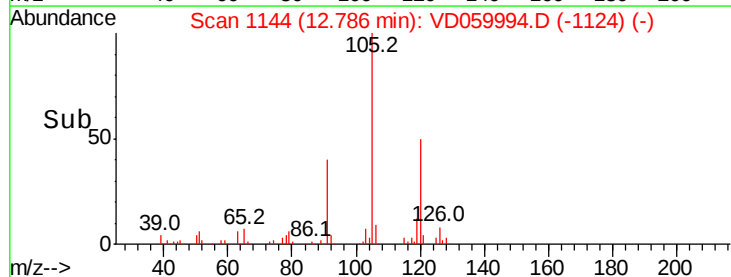
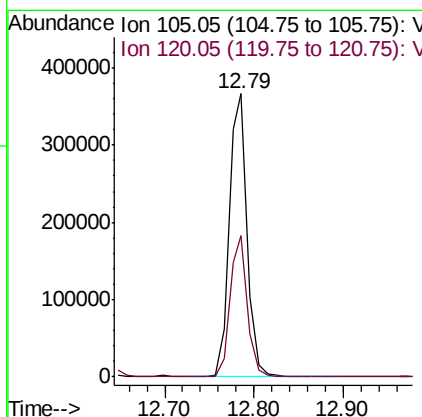
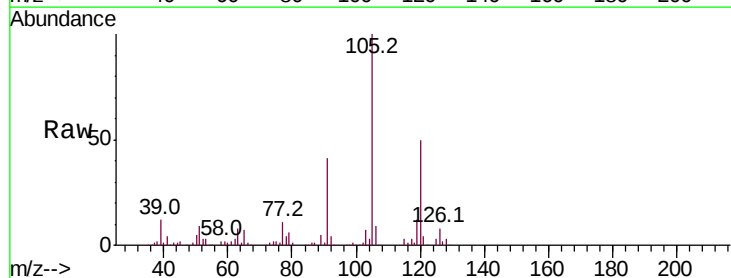
Instrument :
 MSVOA_D
 ClientSampleId :

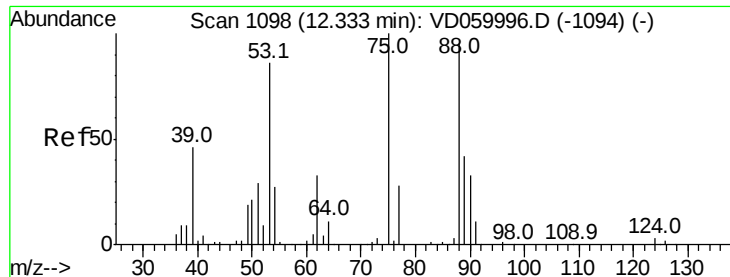
Tot Ion: 91 Resp: 472376
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 10.858 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion:105 Resp: 518332
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 9.902 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

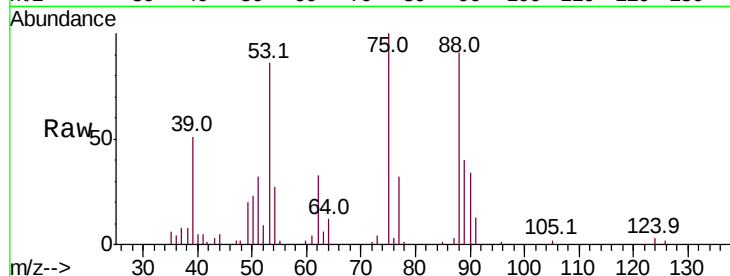
Tot Ion: 75 Resp: 44149

Ion Ratio Lower Upper

75 100

53 86.0 68.4 102.6

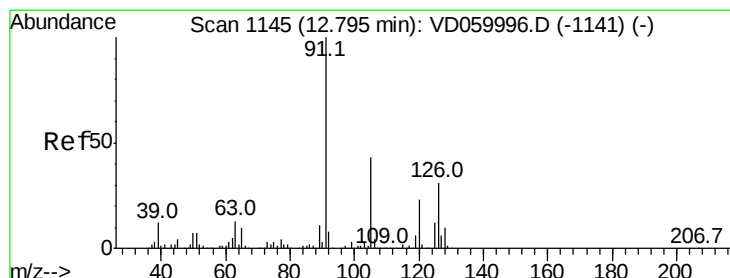
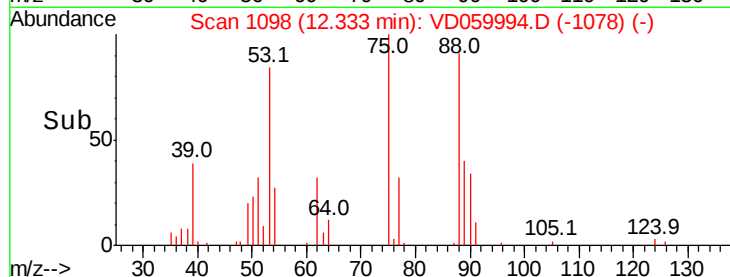
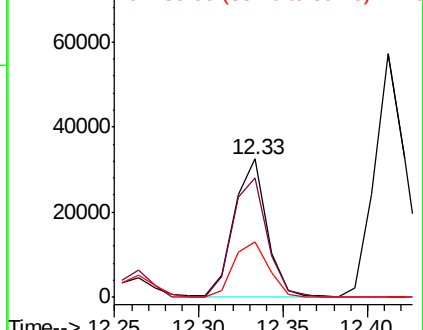
89 39.8 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 11.066 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD059994.D

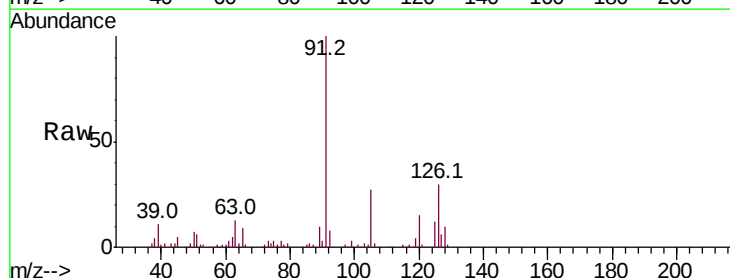
Acq: 13 Sep 2018 12:45

Tgt Ion: 91 Resp: 538783

Ion Ratio Lower Upper

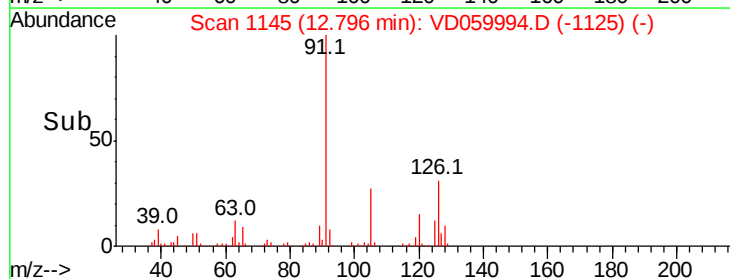
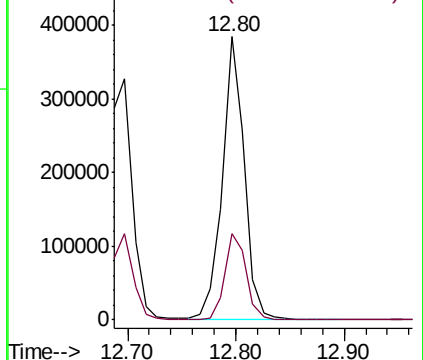
91 100

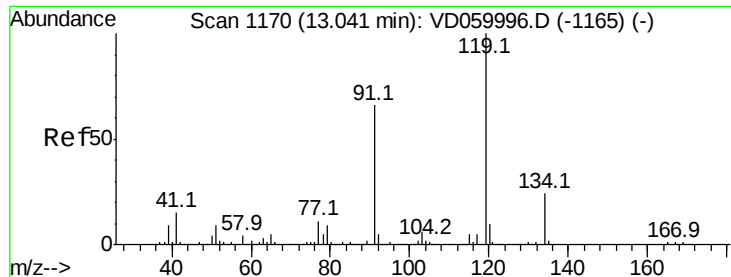
126 30.3 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

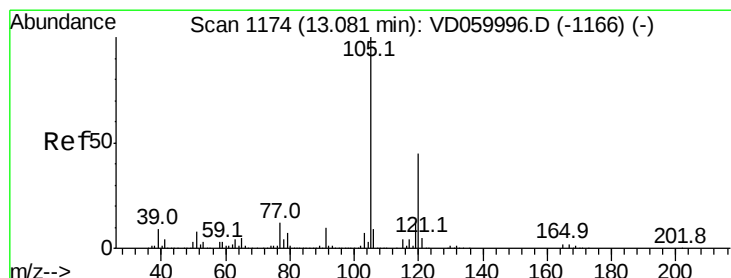
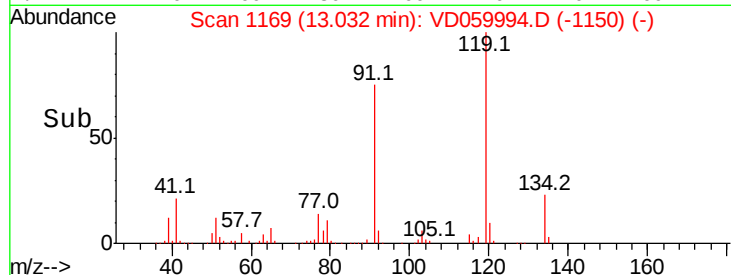
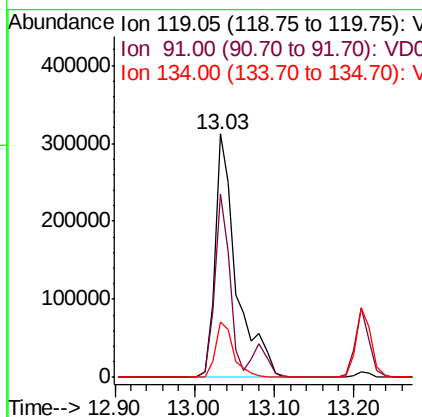
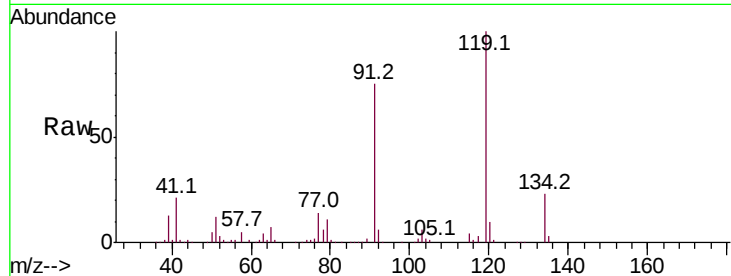




#83
 tert-Butylbenzene
 Concen: 10.841 ug/l
 RT: 13.03 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

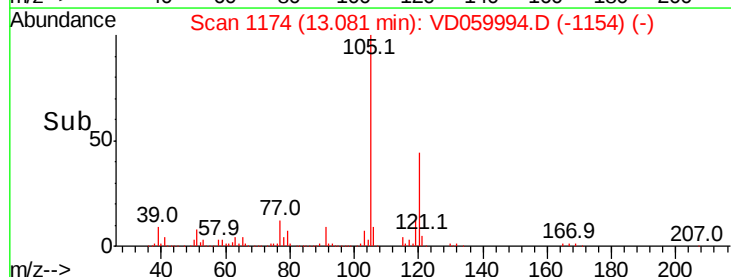
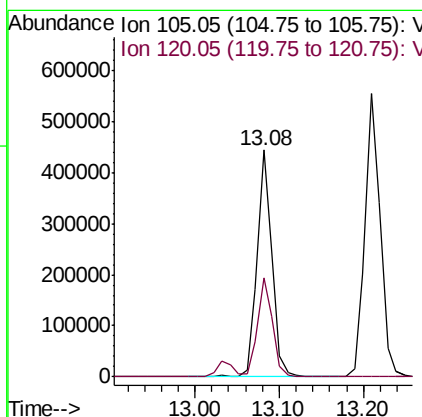
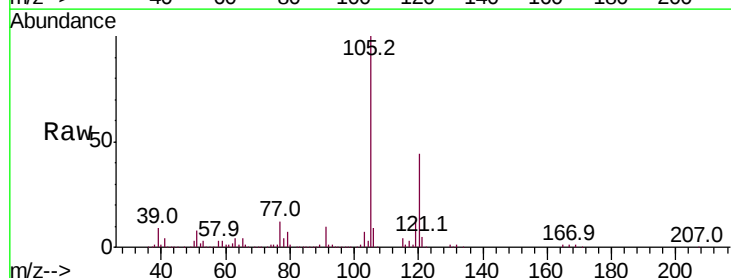
Instrument :
 MSVOA_D
 ClientSampled :

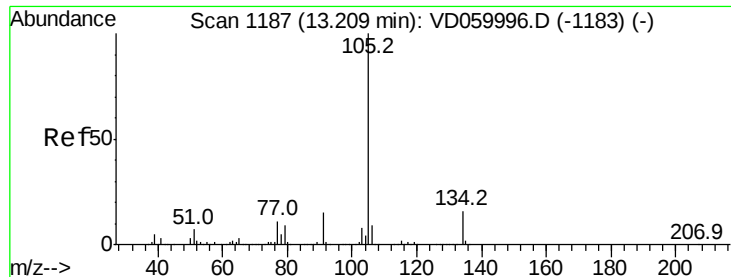
Tot Ion:119 Resp: 587826
 Ion Ratio Lower Upper
 119 100
 91 75.3 32.9 98.6
 134 22.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 11.149 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion:105 Resp: 552678
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 10.990 ug/l

RT: 13.21 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

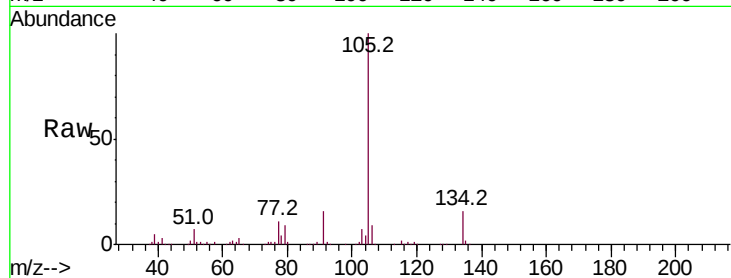
ClientSampleId :

Tot Ion:105 Resp: 699158

Ion Ratio Lower Upper

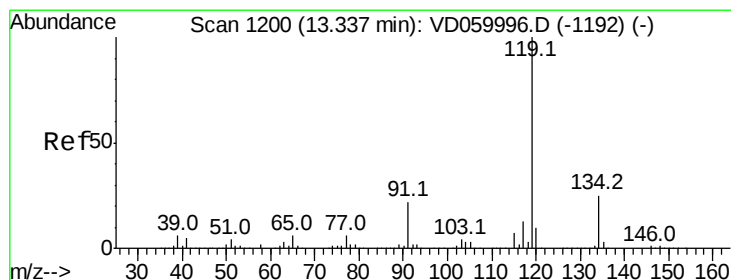
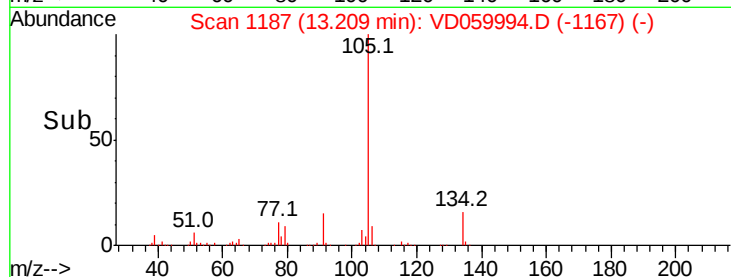
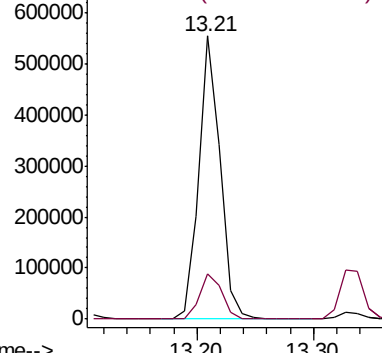
105 100

134 16.1 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 10.736 ug/l

RT: 13.33 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

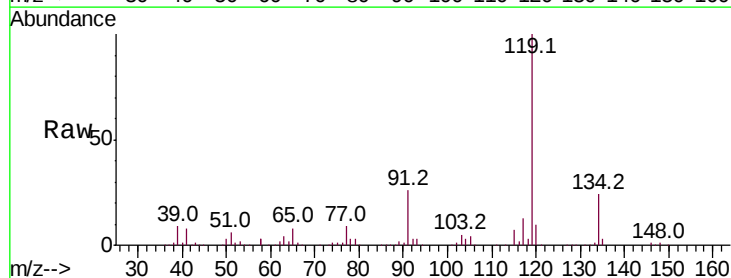
Tgt Ion:119 Resp: 560712

Ion Ratio Lower Upper

119 100

134 24.1 12.8 38.3

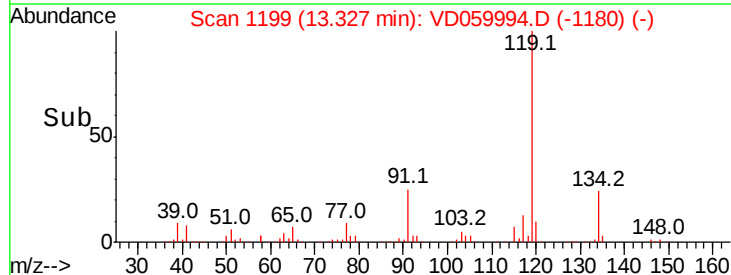
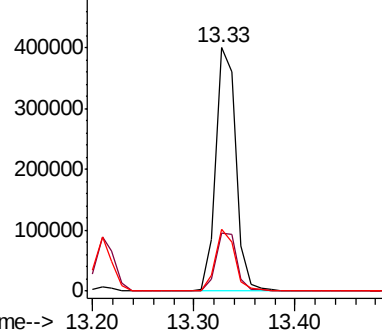
91 25.5 11.1 33.3

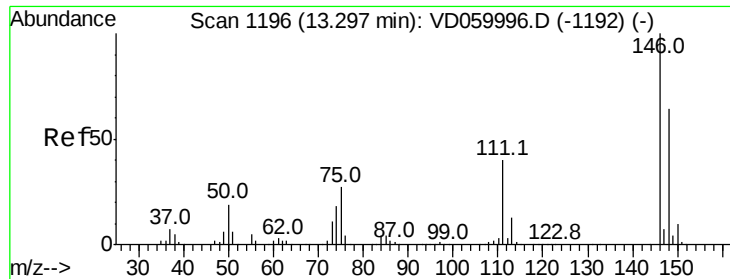


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

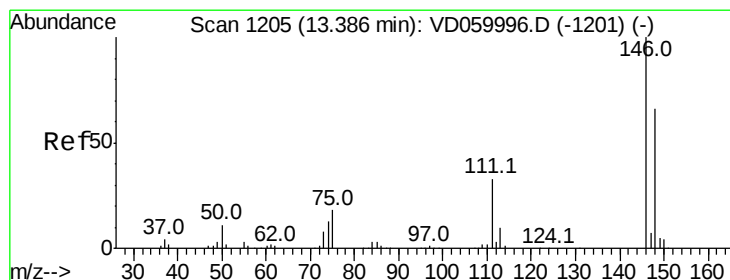
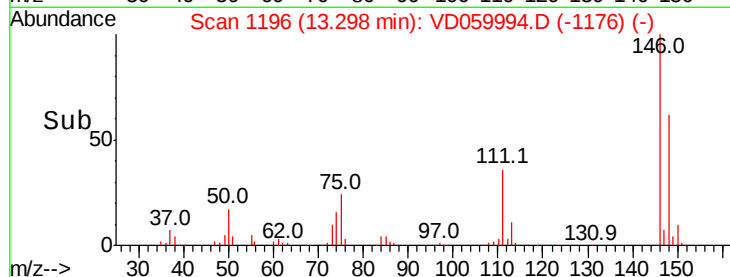
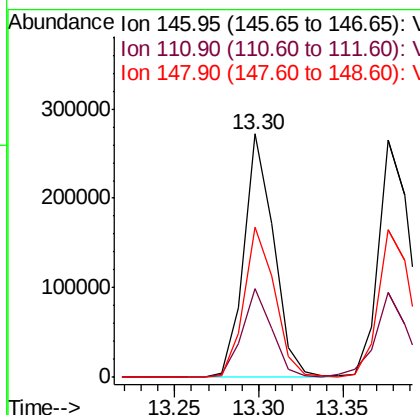
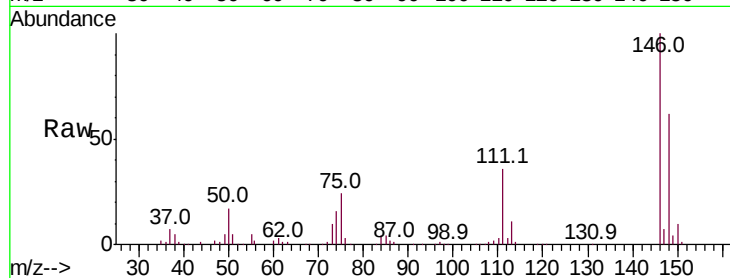




#87
 1,3-Dichlorobenzene
 Concen: 11.263 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

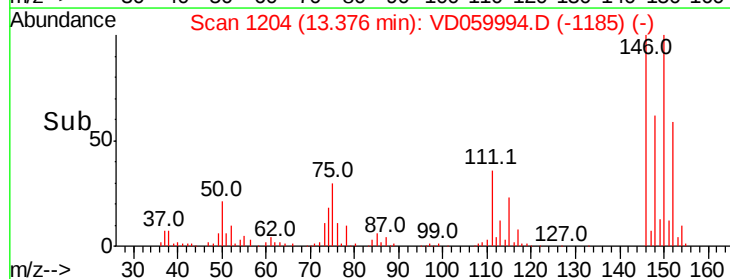
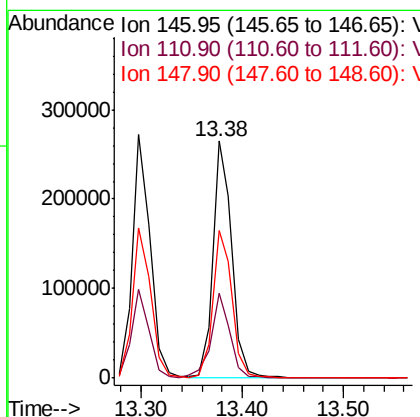
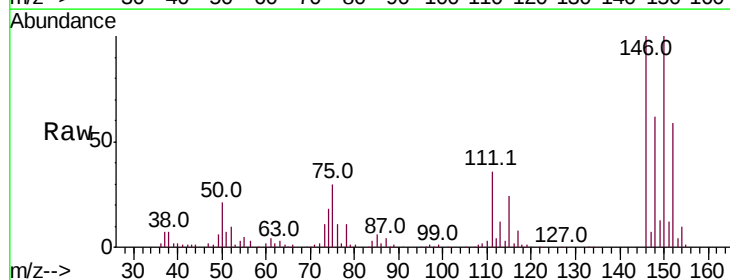
Instrument :
 MSVOA_D
 ClientSampleId :

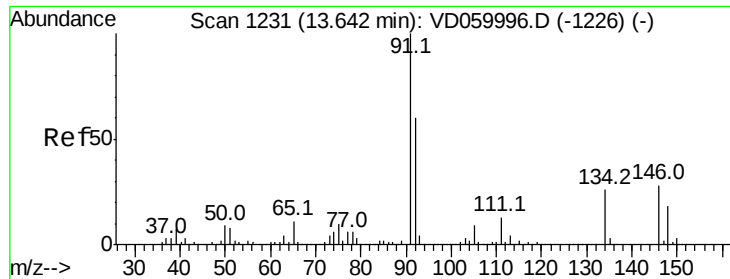
Tot Ion:146 Resp: 335741
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.2 60.5
 148 61.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 11.644 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion:146 Resp: 347573
 Ion Ratio Lower Upper
 146 100
 111 35.6 16.7 50.0
 148 62.4 32.9 98.6

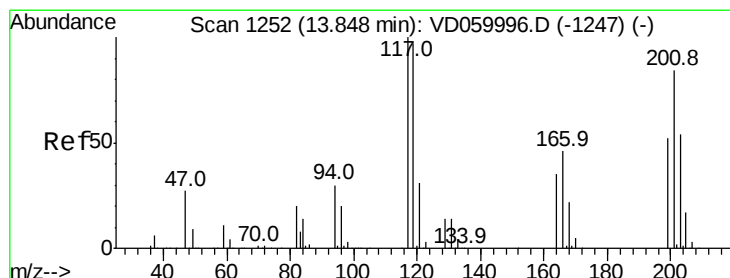
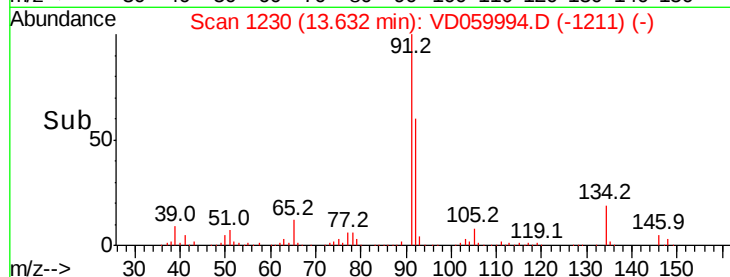
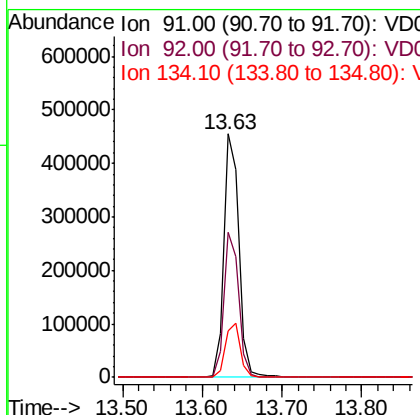
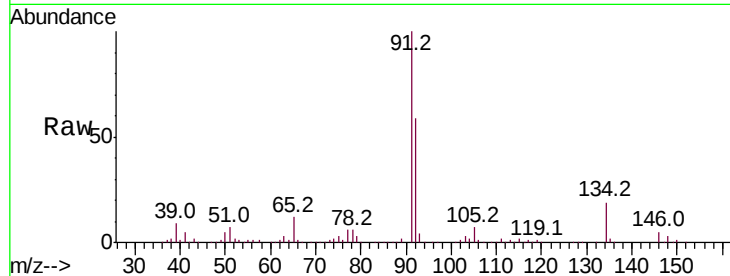




#89
n-Butylbenzene
Concen: 11.629 ug/l
RT: 13.63 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

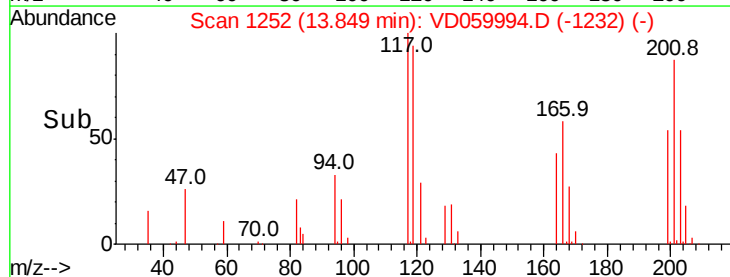
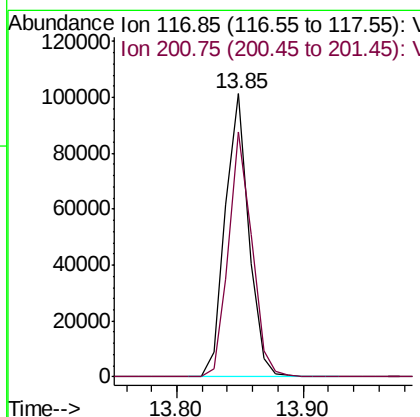
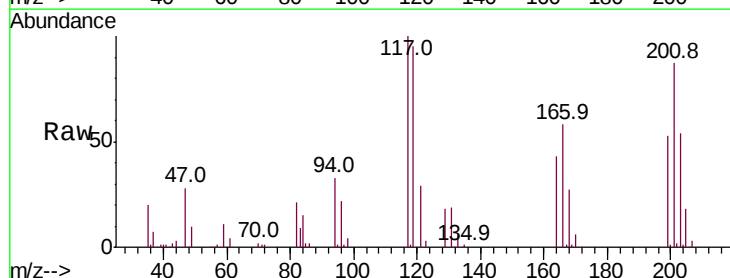
Instrument :
MSVOA_D
ClientSampleId :

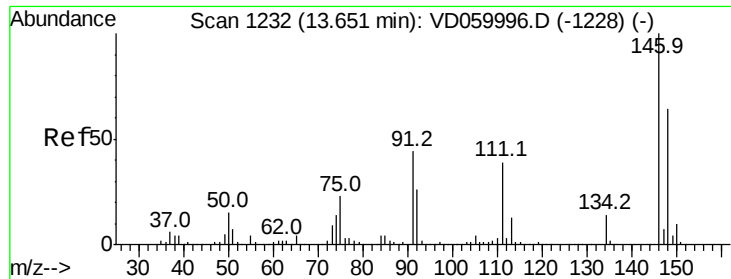
Tot Ion: 91 Resp: 606720
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.3
134 19.1 13.2 39.6



#90
Hexachloroethane
Concen: 9.454 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 117 Resp: 130785
Ion Ratio Lower Upper
117 100
201 86.7 42.1 126.4

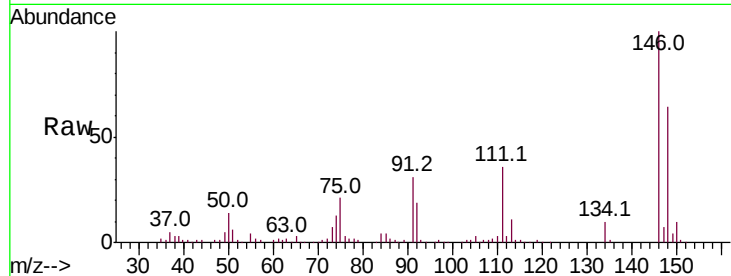




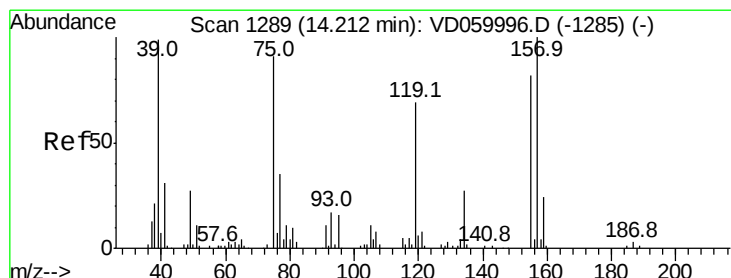
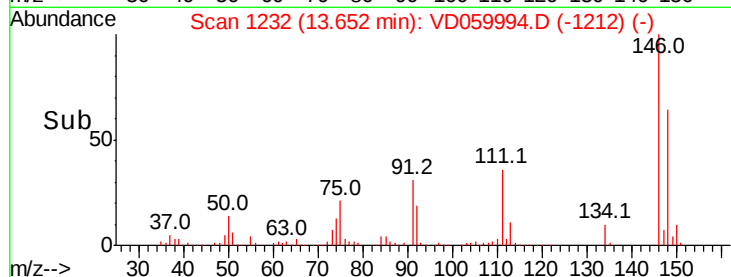
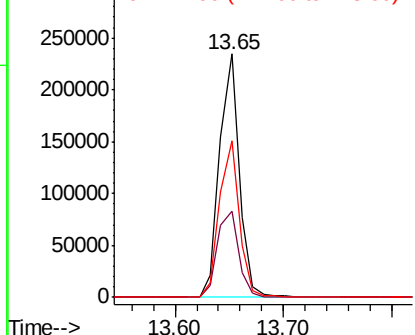
#91
 1,2-Dichlorobenzene
 Concen: 11.950 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.6	58.7
148	64.2	31.9	95.7

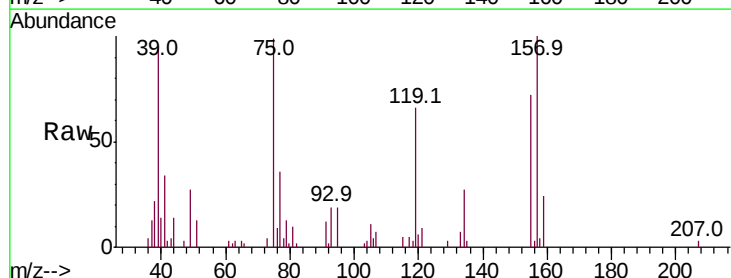


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

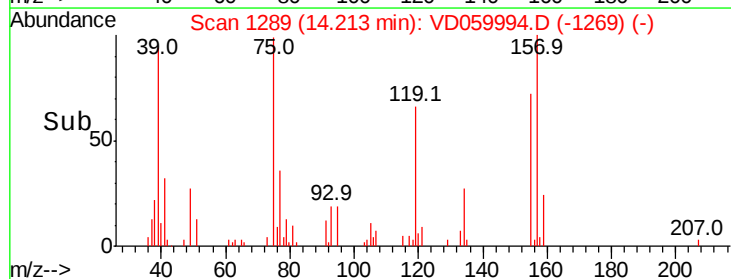
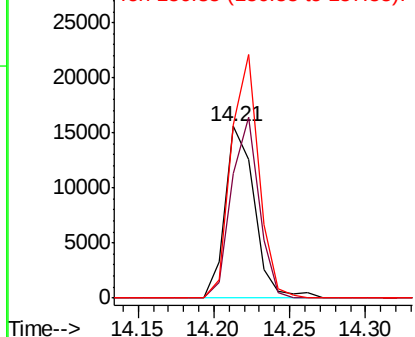


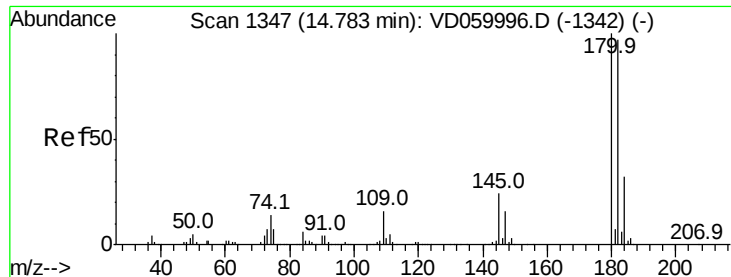
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.133 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	44.7	134.1
157	101.1	54.7	164.1



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

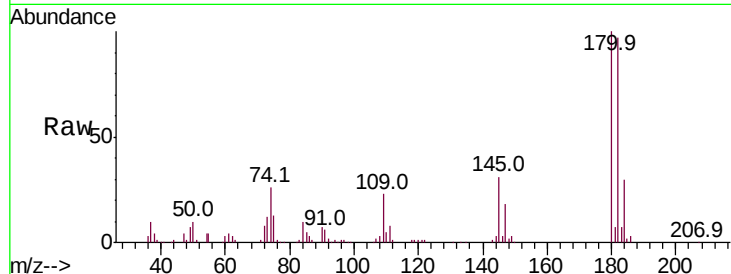




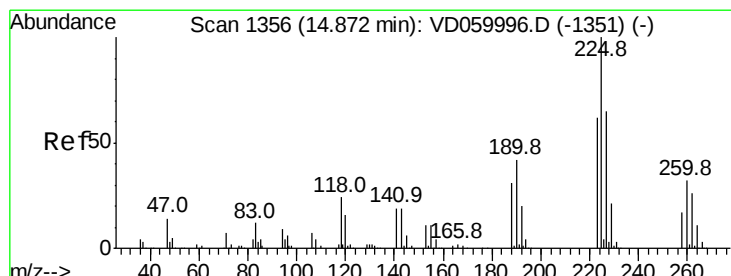
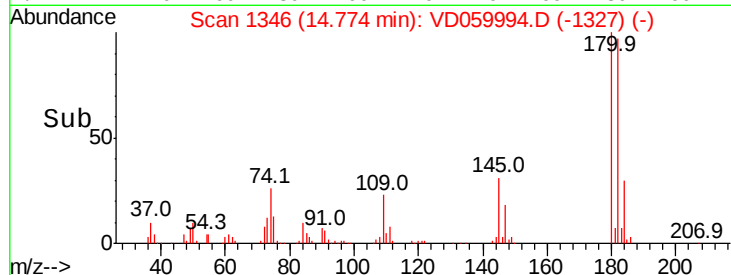
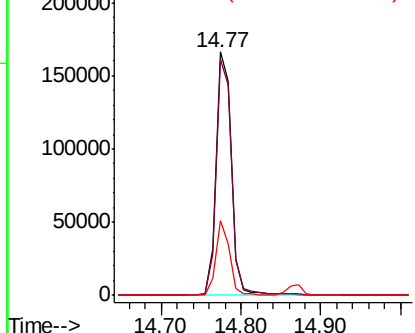
#93
 1,2,4-Trichlorobenzene
 Concen: 10.546 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 227872
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.5 145.6
 145 30.6 11.9 35.7

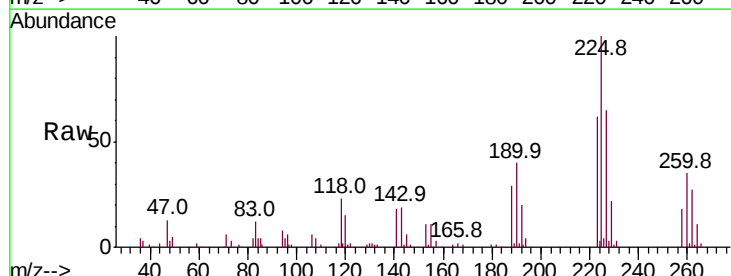


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

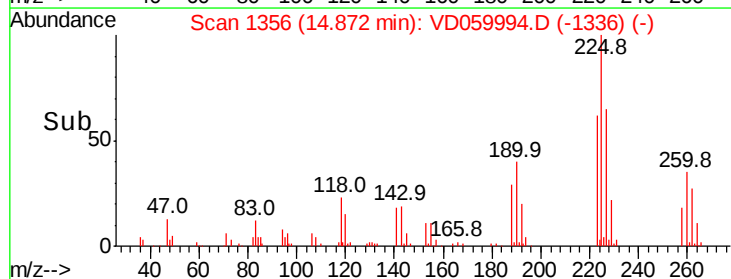
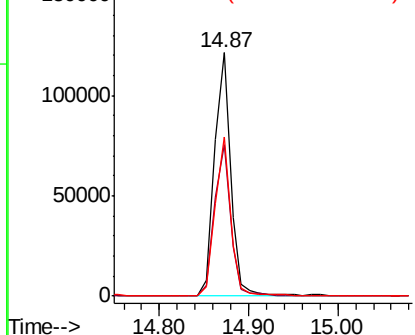


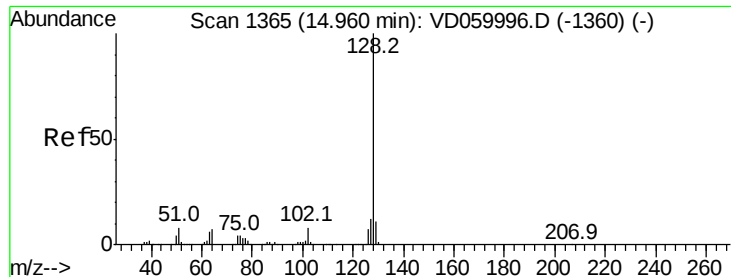
#94
 Hexachlorobutadiene
 Concen: 10.884 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion:225 Resp: 154651
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.2 93.6
 227 65.2 32.3 96.8



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

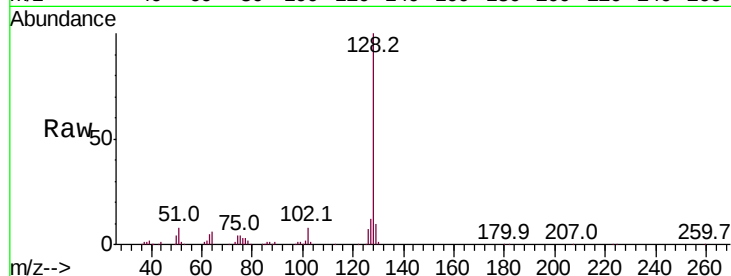




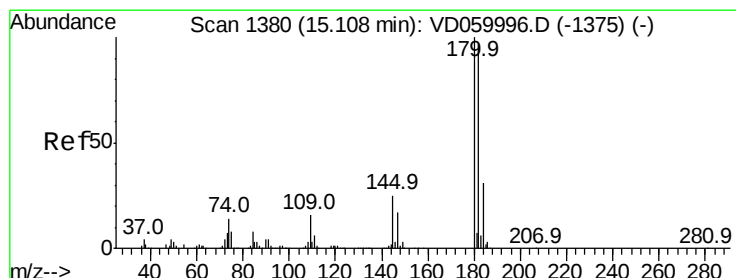
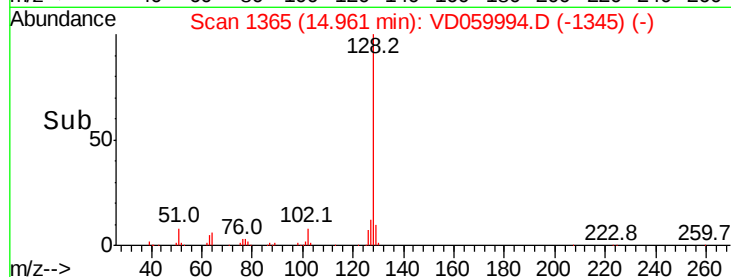
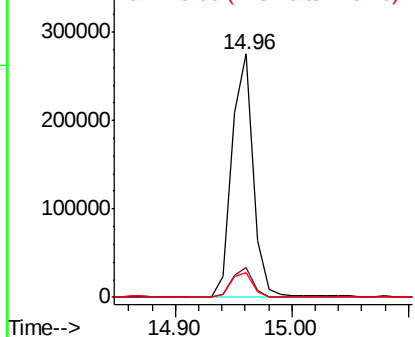
#95
Naphthalene
Concen: 10.681 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 351113
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.3 8.9 13.3

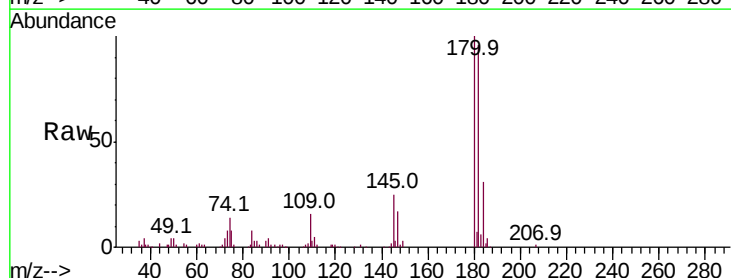


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 10.922 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion:180 Resp: 202371
Ion Ratio Lower Upper
180 100
182 96.3 48.6 145.9
145 25.4 12.7 38.1



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

