

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059651.D
 Acq On : 31 Jul 2018 13:58
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Quant Time: Jul 31 14:43:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	146958	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	183630	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.67	117	149180	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	79778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	99647	53.94	ug/l	0.01
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	5.52	113	85759	54.44	ug/l	0.01
Spiked Amount			Recovery	=	108.88%	
50) Toluene-d8	8.69	98	176413	49.37	ug/l	0.01
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.92	95	81354	50.55	ug/l	0.01
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	46846	26.104	ug/l	92
3) Chloromethane	1.47	50	19579	21.316	ug/l	94
4) Vinyl Chloride	1.54	62	21338	22.324	ug/l	92
5) Bromomethane	1.76	94	4674	25.489	ug/l	82
6) Chloroethane	1.85	64	6580	23.532	ug/l #	84
7) Trichlorofluoromethane	2.06	101	46208	28.337	ug/l	94
8) Diethyl Ether	2.33	74	6633	23.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.53	101	22684	26.401	ug/l	95
10) Methyl Iodide	2.67	142	22551	21.307	ug/l #	88
11) Tert butyl alcohol	3.26	59	8125	110.237	ug/l #	80
12) 1,1-Dichloroethene	2.52	96	15570	25.000	ug/l	95
13) Acrolein	2.45	56	4100	107.975	ug/l	83
14) Allyl chloride	2.89	41	36863	24.411	ug/l	96
15) Acrylonitrile	3.34	53	20761	129.879	ug/l	96
16) Acetone	2.60	43	35016	125.501	ug/l	99
17) Carbon Disulfide	2.73	76	51734	20.913	ug/l	100
18) Methyl Acetate	2.91	43	11243	20.151	ug/l #	92
19) Methyl tert-butyl Ether	3.39	73	69132	33.117	ug/l	100
20) Methylene Chloride	3.04	84	17366	21.829	ug/l	85
21) trans-1,2-Dichloroethene	3.36	96	24929	37.120	ug/l	90
22) Diisopropyl ether	4.05	45	78887	19.866	ug/l	98
23) Vinyl Acetate	3.99	43	257403	102.136	ug/l	99
24) 1,1-Dichloroethane	3.95	63	55472	22.129	ug/l #	98
25) 2-Butanone	4.81	43	40393	94.935	ug/l	98
26) 2,2-Dichloropropane	4.77	77	59591	23.212	ug/l	100
27) cis-1,2-Dichloroethene	4.77	96	28748	21.431	ug/l	93
28) Bromochloromethane	5.12	49	20673	20.842	ug/l	96
29) Tetrahydrofuran	5.16	42	16936	85.966	ug/l	97
30) Chloroform	5.29	83	68728	22.923	ug/l	96
31) Cyclohexane	5.57	56	36909	19.552	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	66991	23.079	ug/l	96
36) 1,1-Dichloropropene	5.72	75	45013	24.429	ug/l	93
37) Ethyl Acetate	4.90	43	20220	21.332	ug/l	98
38) Carbon Tetrachloride	5.70	117	60991	24.172	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	36974	21.821	ug/l	93
40) Benzene	5.99	78	80897	21.409	ug/l	100
41) Methacrylonitrile	5.10	41	9014	19.056	ug/l	92
42) 1,2-Dichloroethane	6.10	62	54448	23.916	ug/l	96
43) Isopropyl Acetate	7.60	43	25819	19.644	ug/l	90
44) Trichloroethene	6.96	130	29493	21.519	ug/l	96
45) 1,2-Dichloropropane	7.33	63	21862	20.660	ug/l	94
46) Dibromomethane	7.44	93	19873	22.218	ug/l	96
47) Bromodichloromethane	7.72	83	50661	23.714	ug/l	97
48) Methyl methacrylate	7.49	41	17981	20.628	ug/l #	87
49) 1,4-Dioxane	7.47	88	2574	330.869	ug/l #	88
51) 4-Methyl-2-Pentanone	8.58	43	88366	100.678	ug/l	99
52) Toluene	8.79	92	54924	21.920	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	39244	20.367	ug/l	99
54) cis-1,3-Dichloropropene	8.34	75	43366	22.664	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	19844	21.081	ug/l	97
56) Ethyl methacrylate	9.30	69	21661	20.282	ug/l	91
57) 1,3-Dichloropropane	9.65	76	32558	21.767	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	51332	102.289	ug/l	98
59) 2-Hexanone	9.77	43	67861	97.339	ug/l	98
60) Dibromochloromethane	9.94	129	33689	21.558	ug/l	98
61) 1,2-Dibromoethane	10.07	107	24663	22.109	ug/l	100
64) Tetrachloroethene	9.49	164	30324	22.431	ug/l	98
65) Chlorobenzene	10.71	112	67063	21.930	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.83	131	30609	23.010	ug/l	98
67) Ethyl Benzene	10.84	91	124074	23.602	ug/l	99
68) m/p-Xylenes	11.00	106	79009	45.002	ug/l	99
69) o-Xylene	11.39	106	36968	21.700	ug/l	94
70) Styrene	11.42	104	64859	22.962	ug/l	98
71) Bromoform	11.59	173	21960	20.274	ug/l	99
73) Isopropylbenzene	11.77	105	119315	21.170	ug/l	98
74) N-amyl acetate	11.64	43	34498	17.865	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.06	83	22461	19.520	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	27400	20.769	ug/l	100
77) Bromobenzene	12.03	156	33973	20.592	ug/l	84
78) n-propylbenzene	12.14	91	146900	21.452	ug/l	95
79) 2-Chlorotoluene	12.21	91	89027	21.806	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	98850	22.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	5400	16.009	ug/l #	82
82) 4-Chlorotoluene	12.32	91	107516	23.287	ug/l	93
83) tert-Butylbenzene	12.56	119	106111	21.182	ug/l	92
84) 1,2,4-Trimethylbenzene	12.61	105	97803	20.677	ug/l	97
85) sec-Butylbenzene	12.75	105	123232	21.528	ug/l	100
86) p-Isopropyltoluene	12.88	119	103812	21.518	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	58499	20.965	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	57215	21.283	ug/l	97
89) n-Butylbenzene	13.18	91	101219	21.731	ug/l	97
90) Hexachloroethane	13.39	117	26222	20.341	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	47994	20.499	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4482	19.321	ug/l	82

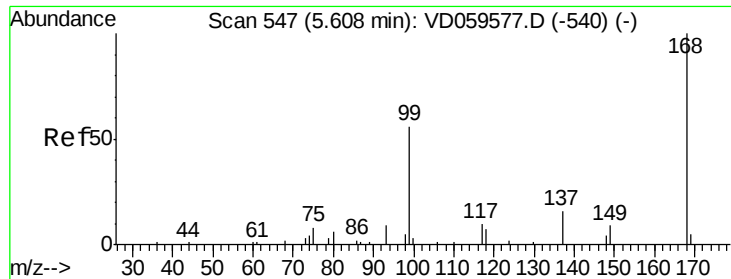
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	42068	21.698	ug/l	95
94) Hexachlorobutadiene	14.42	225	33404	21.842	ug/l	97
95) Naphthalene	14.51	128	51381	18.634	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	35850	20.434	ug/l	98

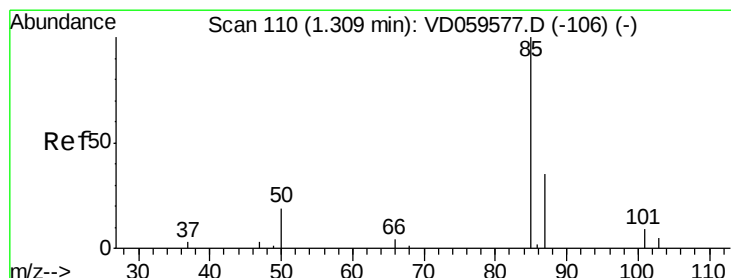
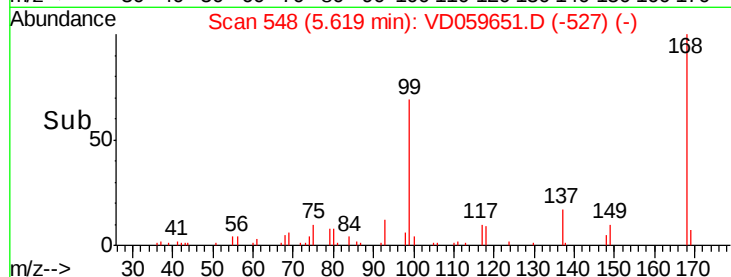
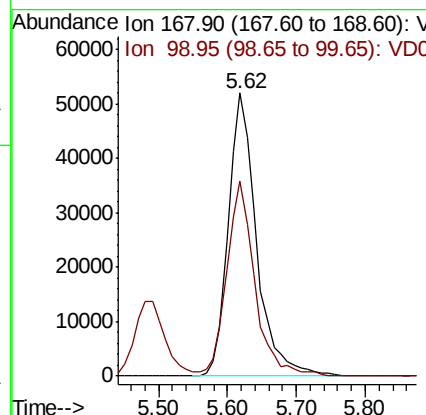
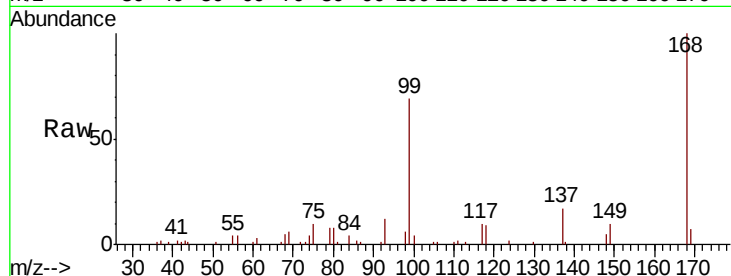
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

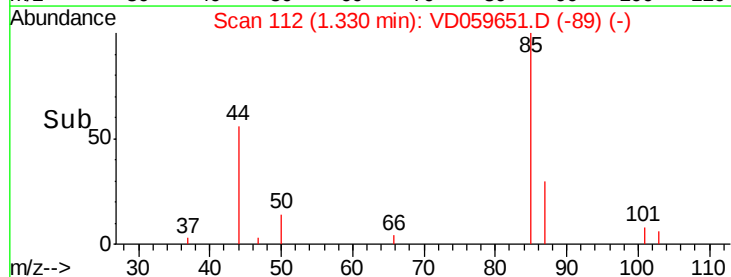
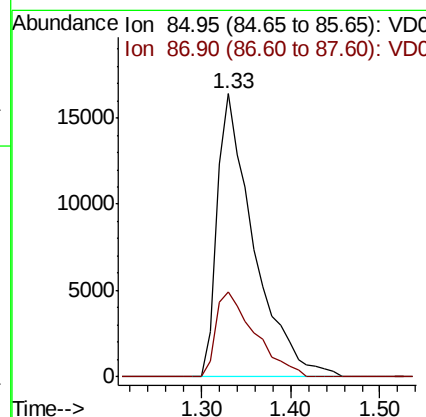
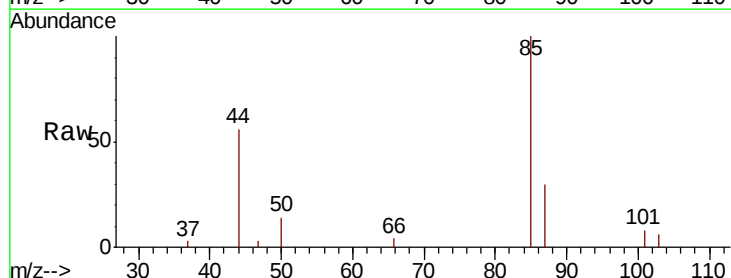
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

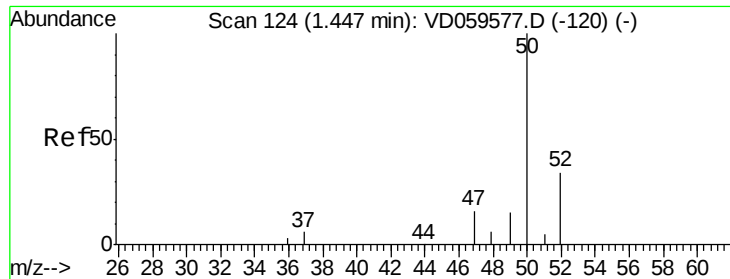
Tot Ion:168 Resp: 146958
Ion Ratio Lower Upper
168 100
99 69.1 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 26.104 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 85 Resp: 46846
Ion Ratio Lower Upper
85 100
87 29.9 17.3 51.7





#3

Chloromethane

Concen: 21.316 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

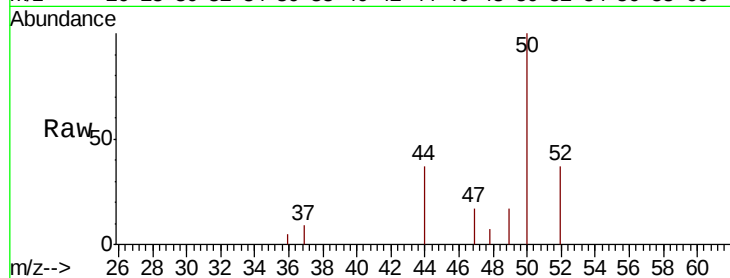
VD0731SBS01

Tot Ion: 50 Resp: 19579

Ion Ratio Lower Upper

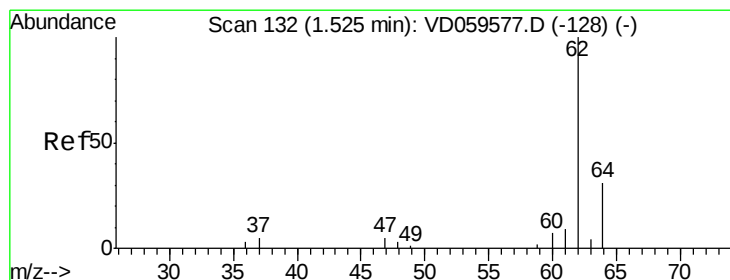
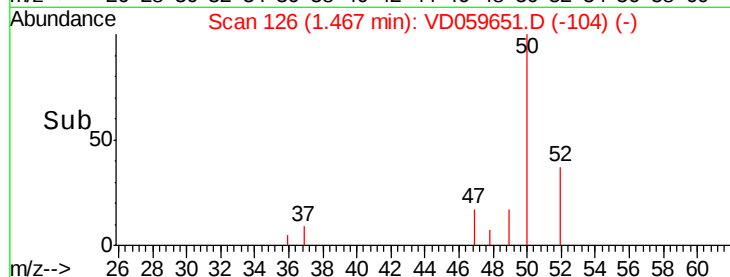
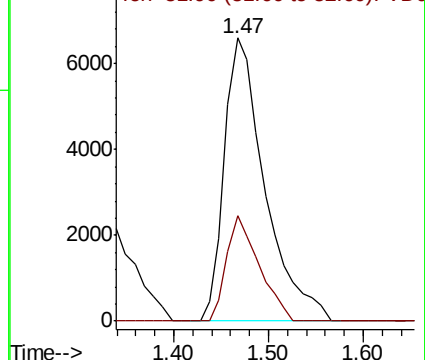
50 100

52 37.5 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.324 ug/l

RT: 1.54 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059651.D

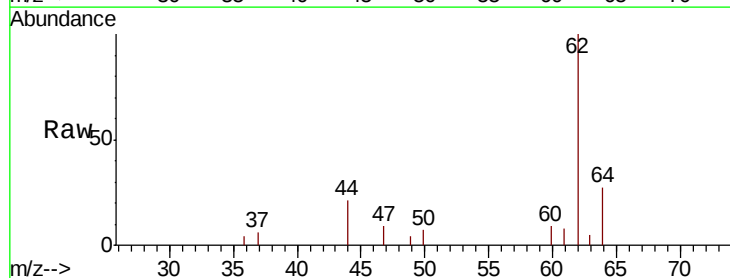
Acq: 31 Jul 2018 13:58

Tgt Ion: 62 Resp: 21338

Ion Ratio Lower Upper

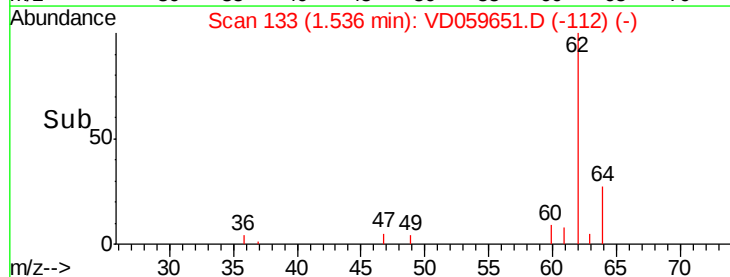
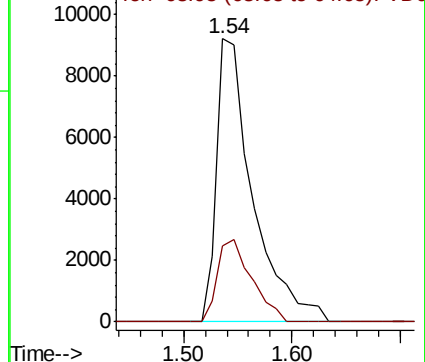
62 100

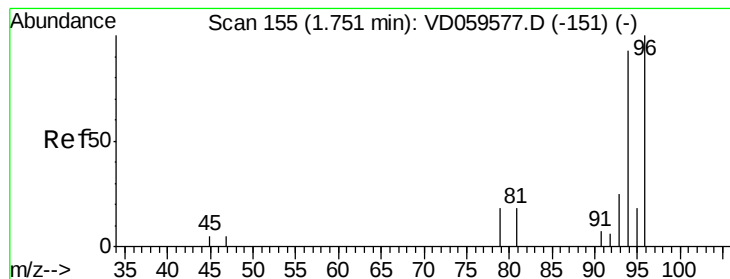
64 26.7 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.489 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

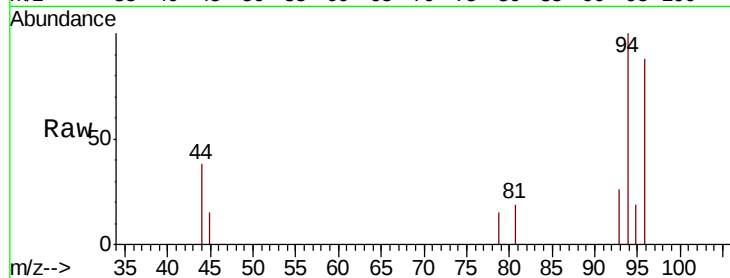
VD0731SBS01

Tot Ion: 94 Resp: 4674

Ion Ratio Lower Upper

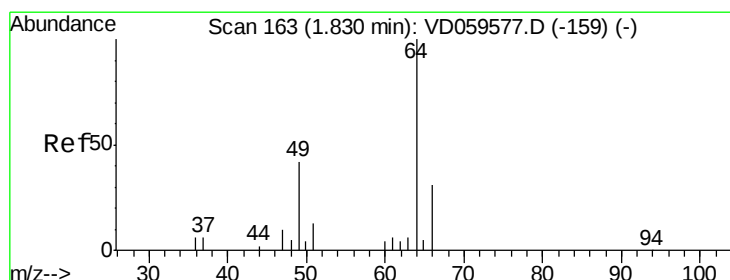
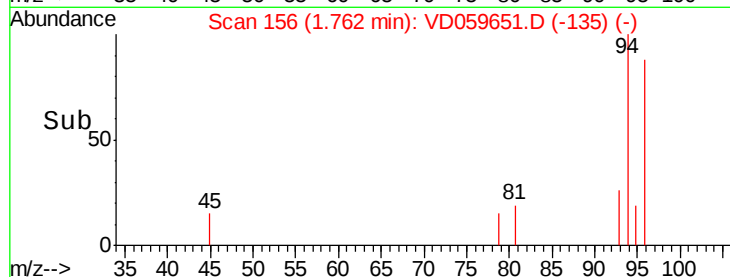
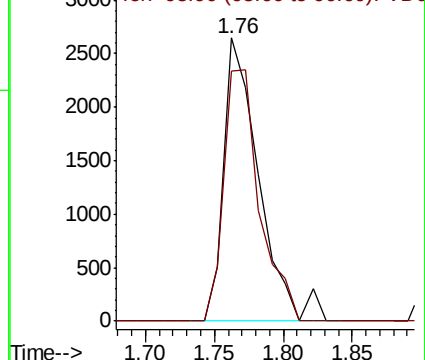
94 100

96 88.5 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.532 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059651.D

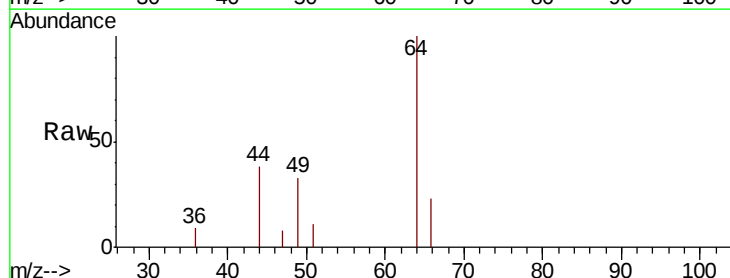
Acq: 31 Jul 2018 13:58

Tgt Ion: 64 Resp: 6580

Ion Ratio Lower Upper

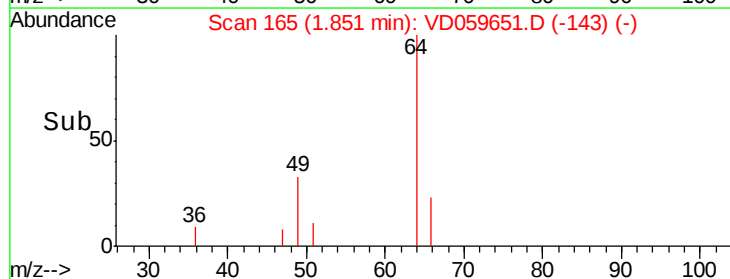
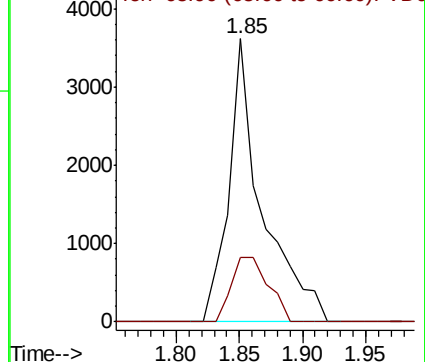
64 100

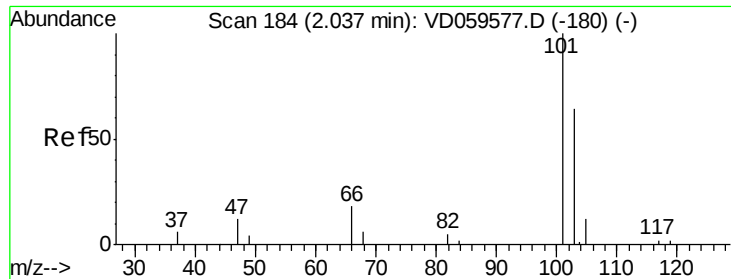
66 22.6 25.2 37.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



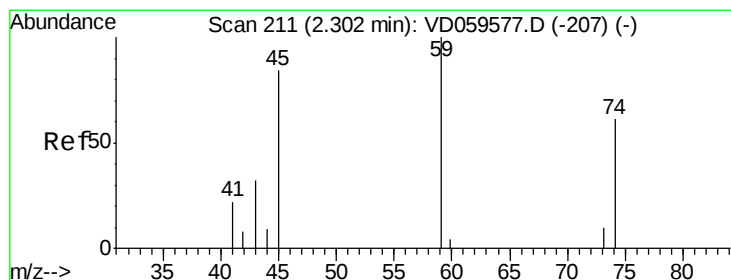
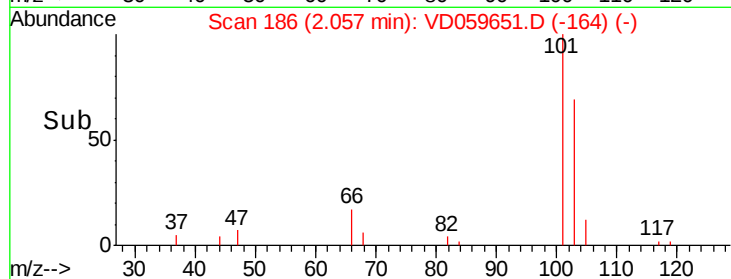
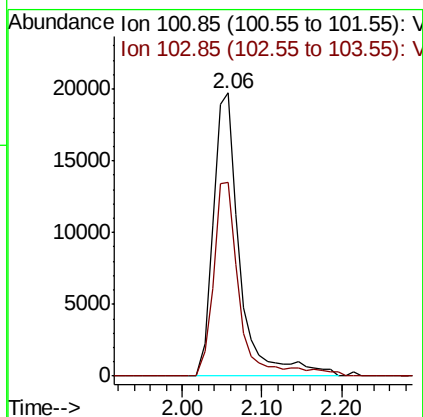
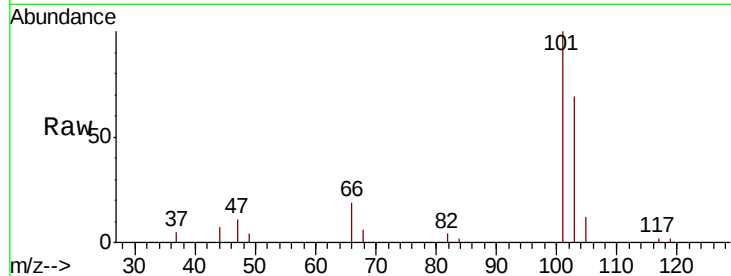


#7

Trichlorofluoromethane
 Concen: 28.337 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. 0.02 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

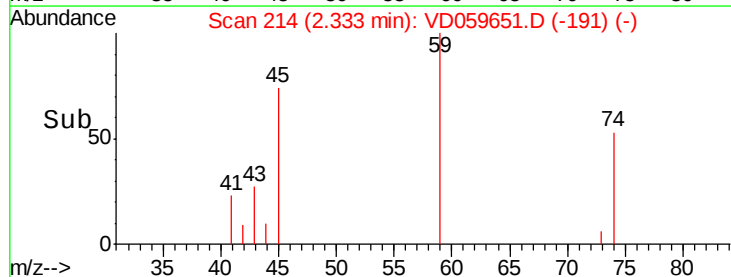
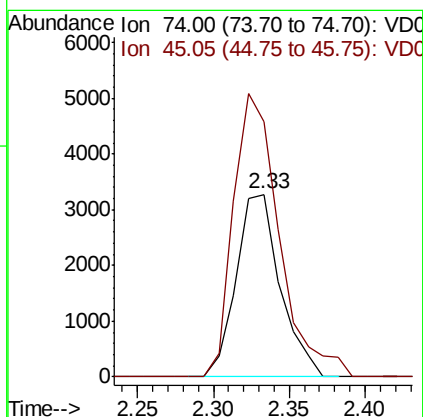
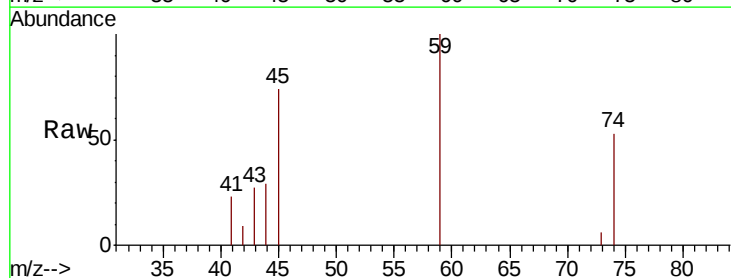
Tot Ion:101 Resp: 46208
 Ion Ratio Lower Upper
 101 100
 103 68.6 50.9 76.3

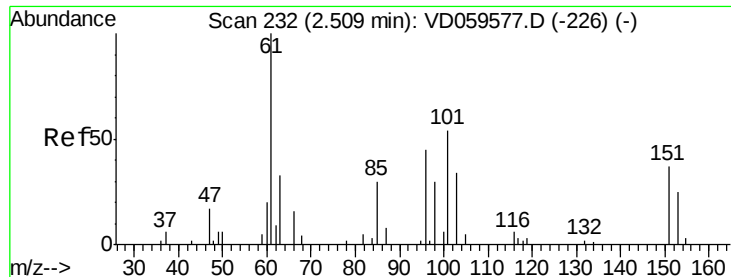


#8

Diethyl Ether
 Concen: 23.152 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.03 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 74 Resp: 6633
 Ion Ratio Lower Upper
 74 100
 45 139.6 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.401 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBSD01

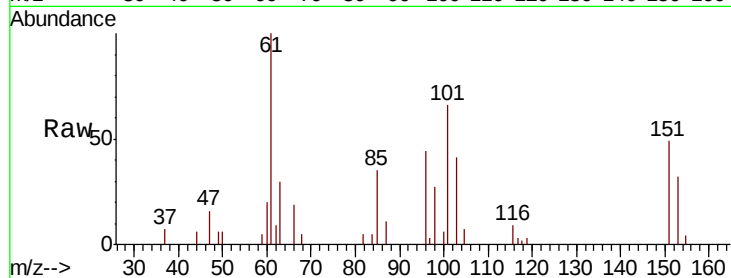
Tot Ion:101 Resp: 22684

Ion Ratio Lower Upper

101 100

85 52.7 44.5 66.7

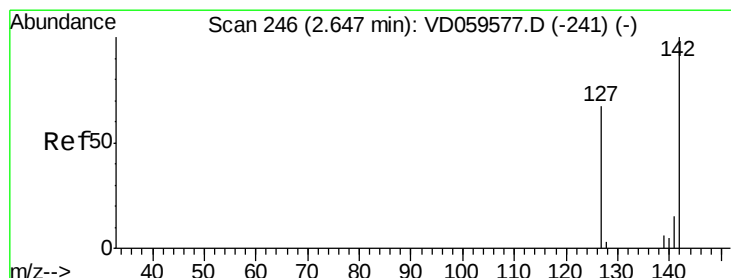
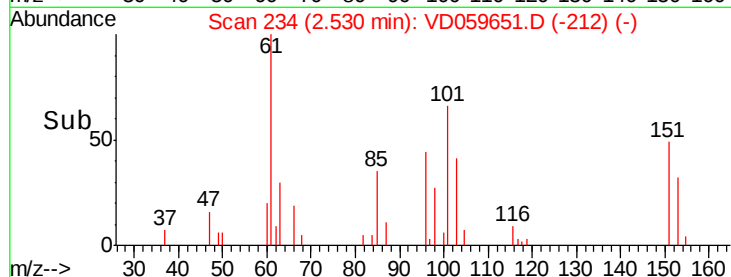
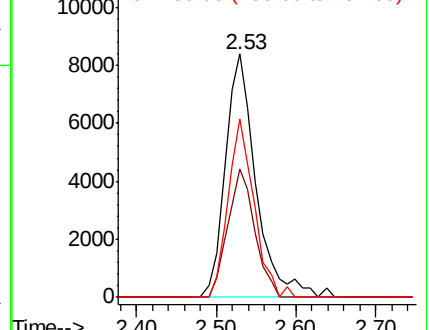
151 73.3 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.307 ug/l

RT: 2.67 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

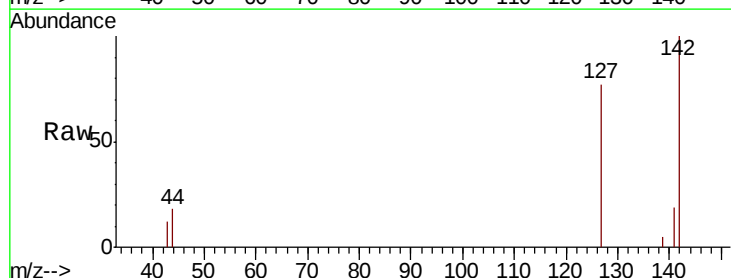
Tgt Ion:142 Resp: 22551

Ion Ratio Lower Upper

142 100

127 76.8 53.6 80.4

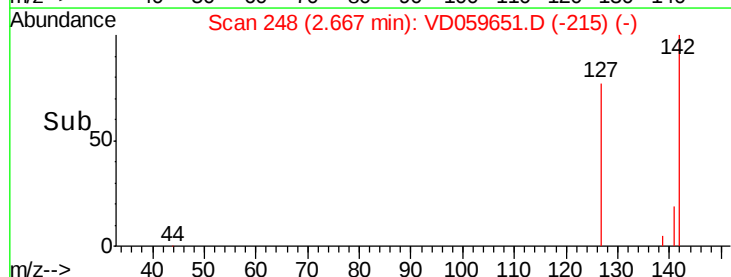
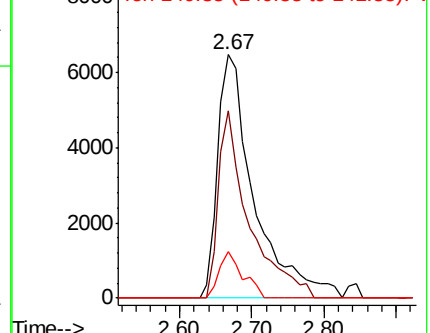
141 19.1 12.2 18.2#

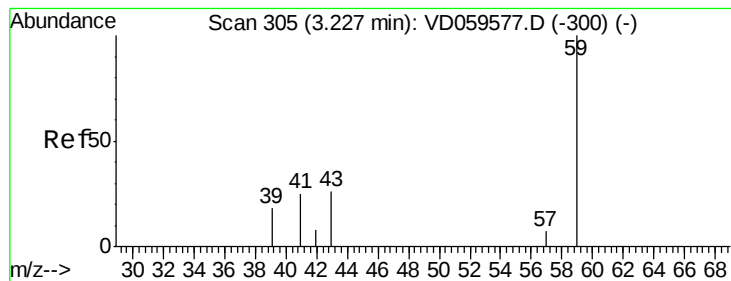


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



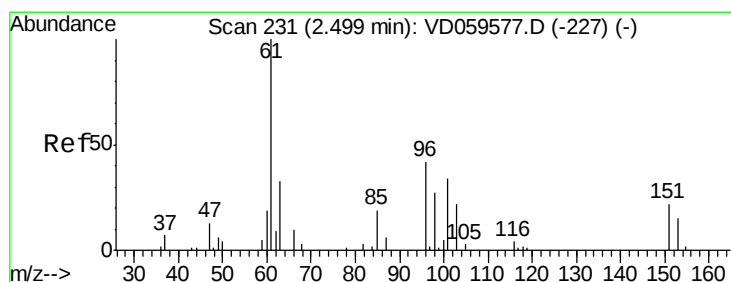
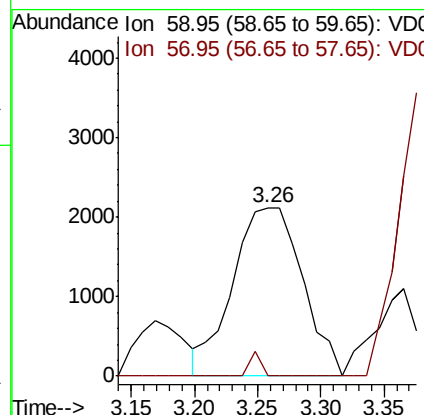
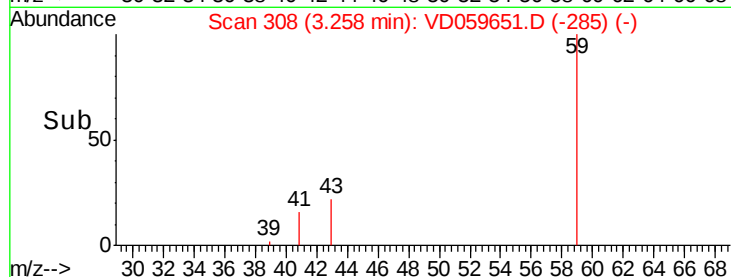
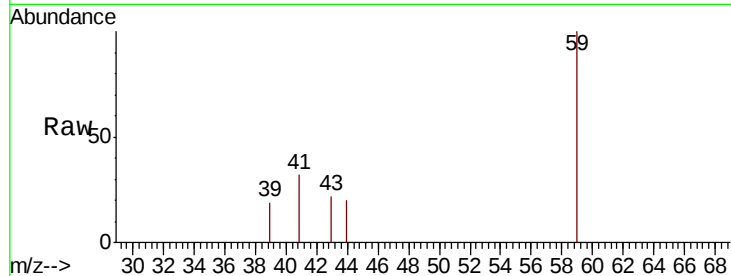


#11

Tert butyl alcohol
 Concen: 110.237 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. 0.03 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

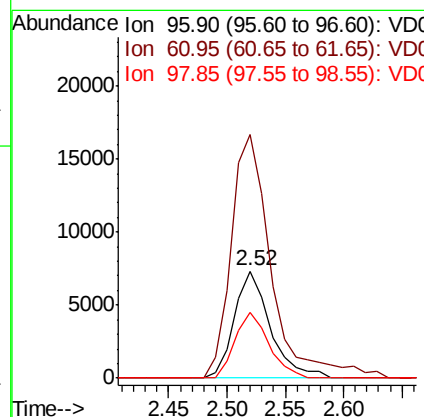
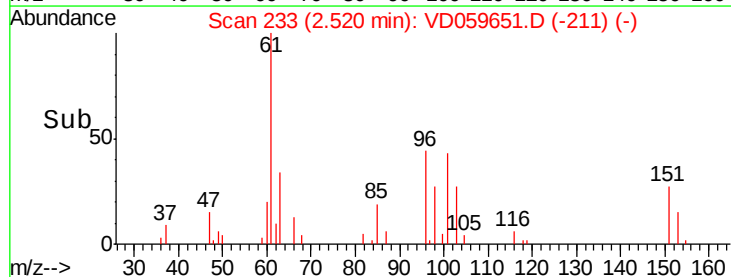
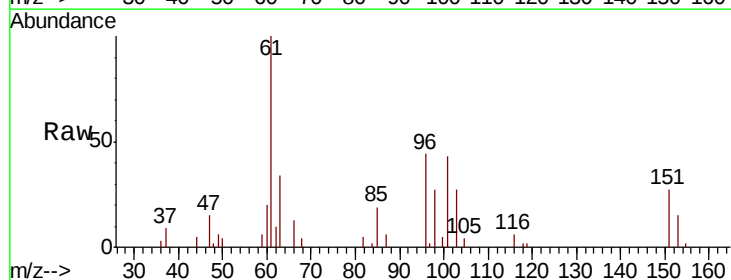
Tot Ion: 59 Resp: 8125
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

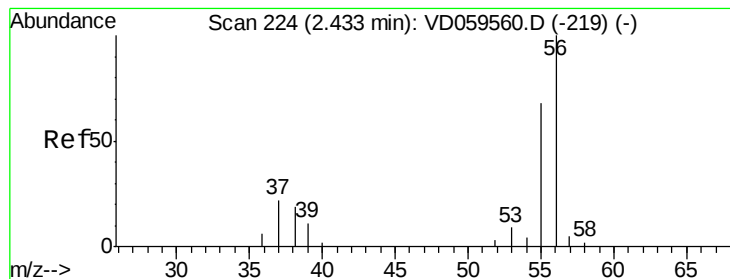


#12

1,1-Dichloroethene
 Concen: 25.000 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 96 Resp: 15570
 Ion Ratio Lower Upper
 96 100
 61 227.9 188.8 283.2
 98 61.6 51.4 77.2





#13

Acrolein

Concen: 107.975 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

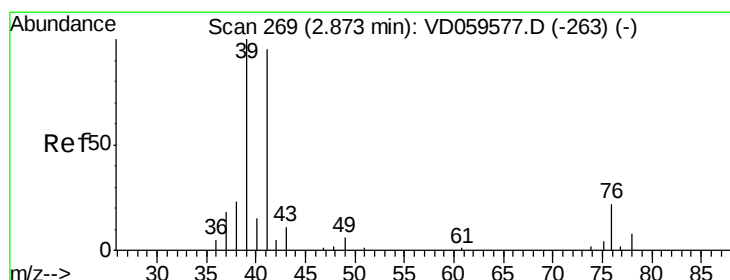
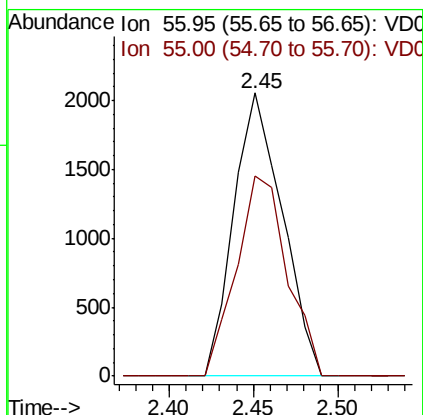
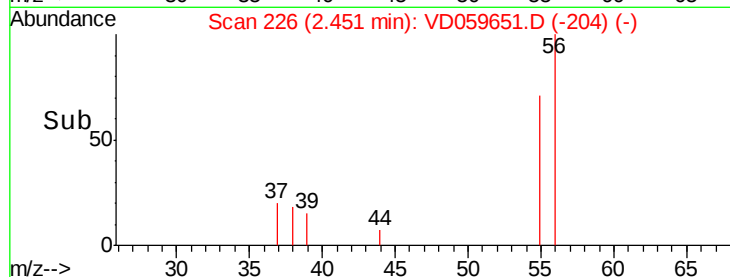
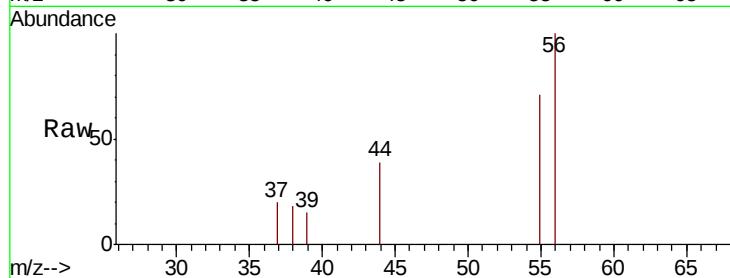
VD0731SBS01

Tot Ion: 56 Resp: 4100

Ion Ratio Lower Upper

56 100

55 70.6 69.1 103.7



#14

Allyl chloride

Concen: 24.411 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

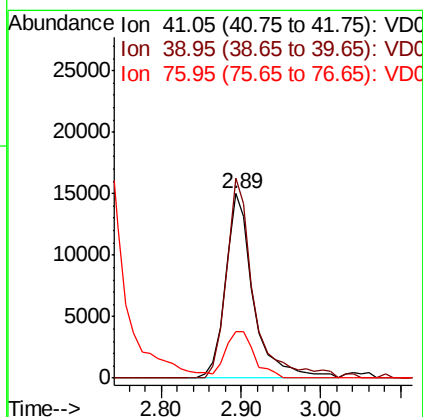
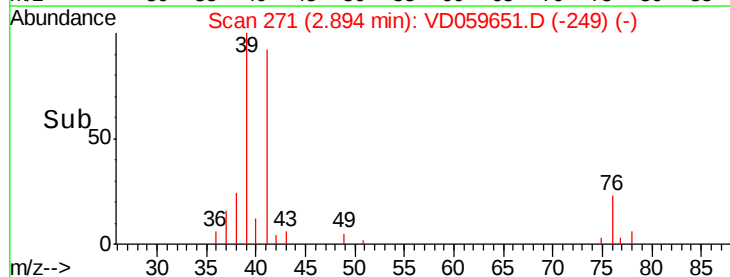
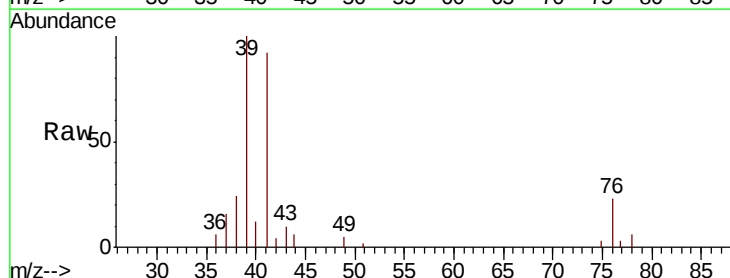
Tgt Ion: 41 Resp: 36863

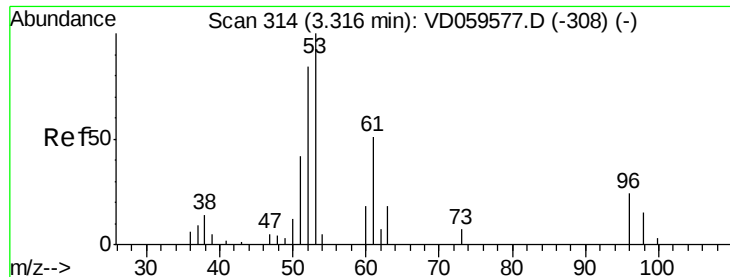
Ion Ratio Lower Upper

41 100

39 108.4 83.8 125.8

76 25.4 22.2 33.4





#15

Acrylonitrile

Concen: 129.879 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBSD01

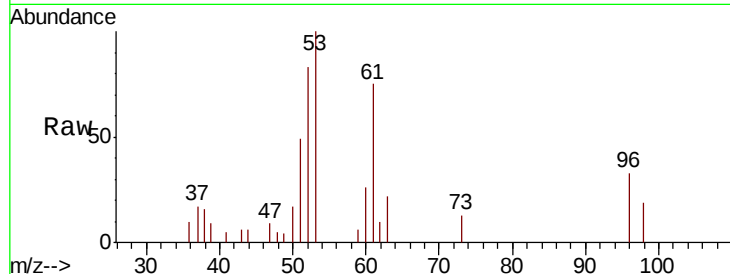
Tot Ion: 53 Resp: 20761

Ion Ratio Lower Upper

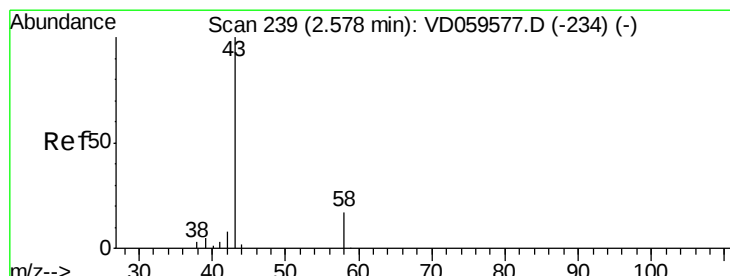
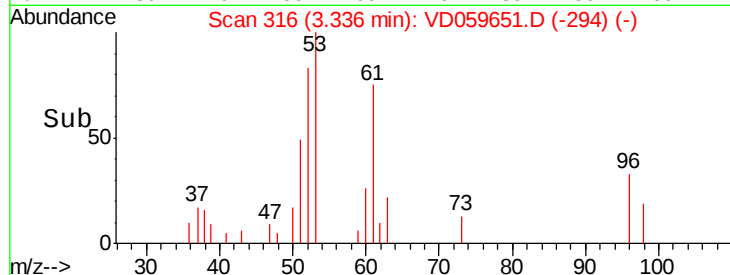
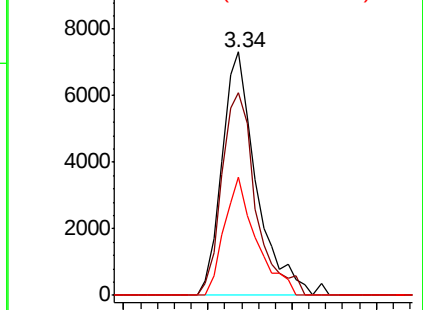
53 100

52 83.2 67.6 101.4

51 48.7 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 125.501 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059651.D

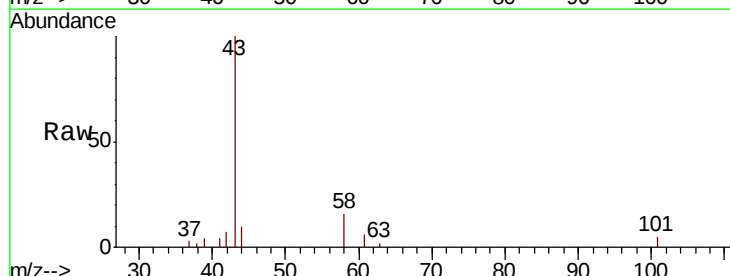
Acq: 31 Jul 2018 13:58

Tgt Ion: 43 Resp: 35016

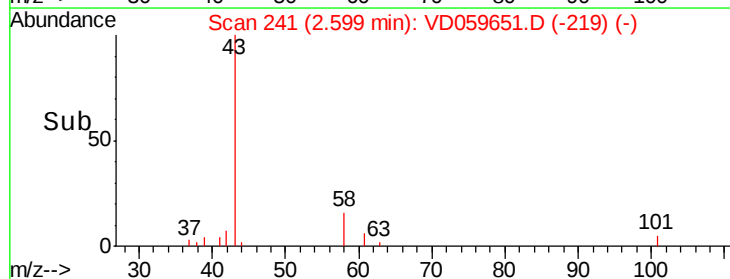
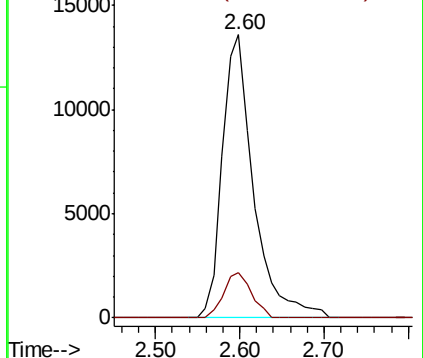
Ion Ratio Lower Upper

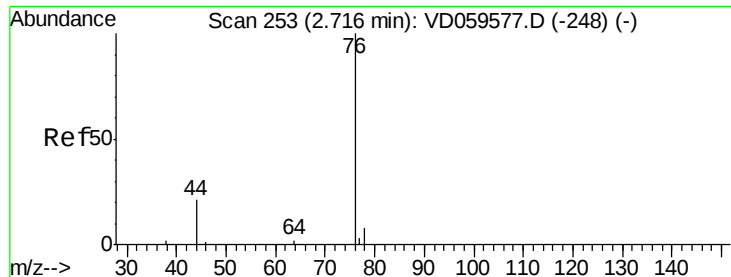
43 100

58 16.2 13.4 20.0



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

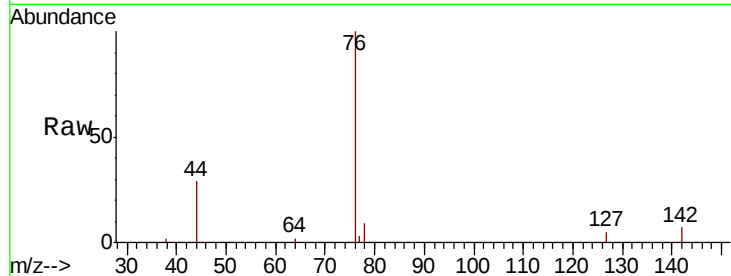




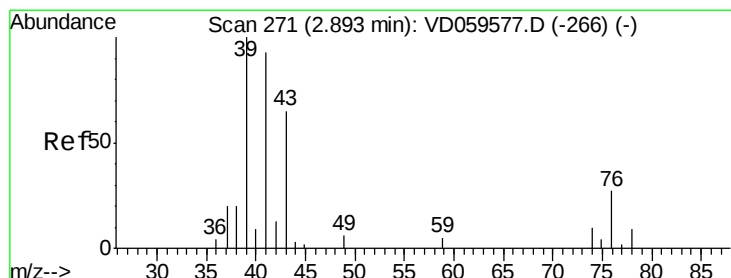
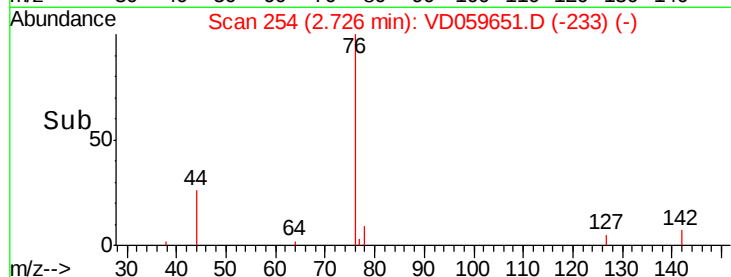
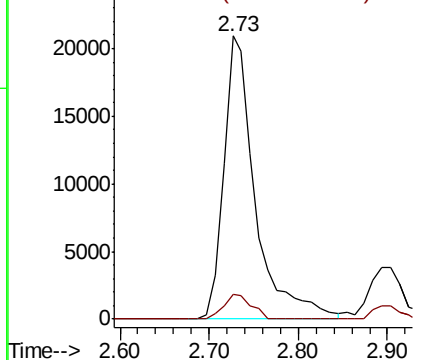
#17
Carbon Disulfide
Concen: 20.913 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion: 76 Resp: 51734
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2

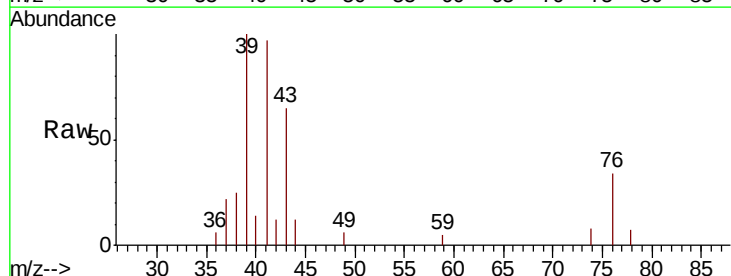


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

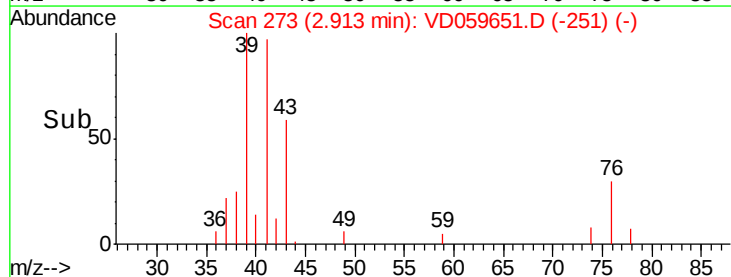
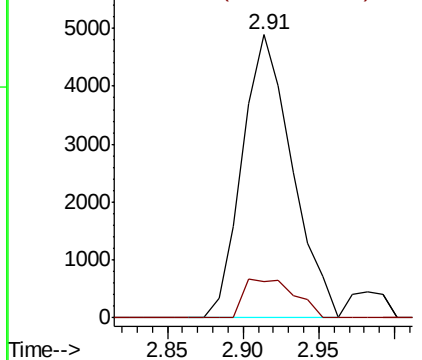


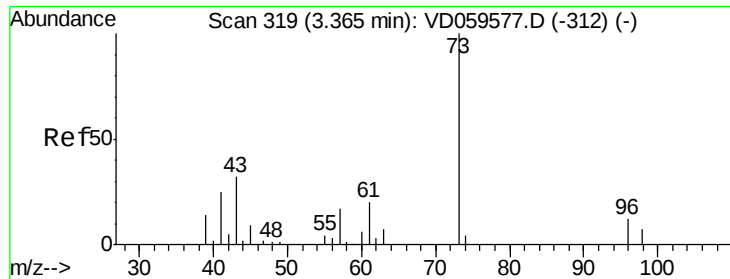
#18
Methyl Acetate
Concen: 20.151 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 43 Resp: 11243
Ion Ratio Lower Upper
43 100
74 12.7 13.0 19.4#



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

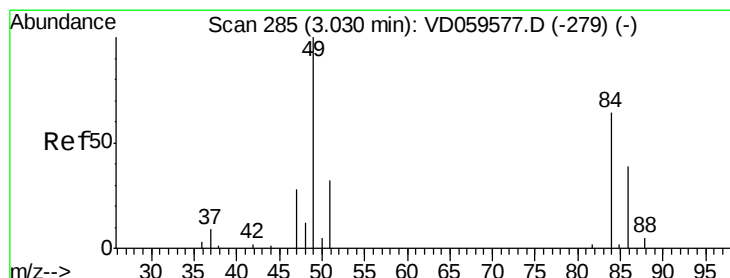
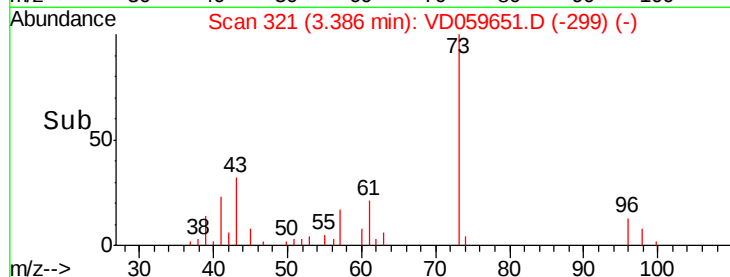
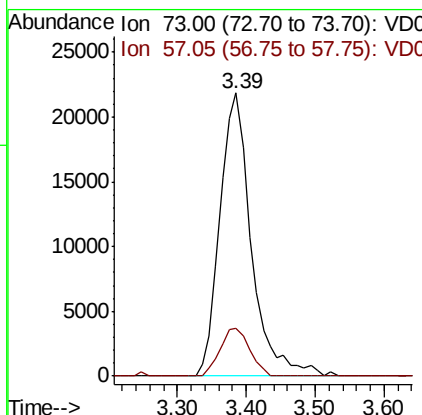
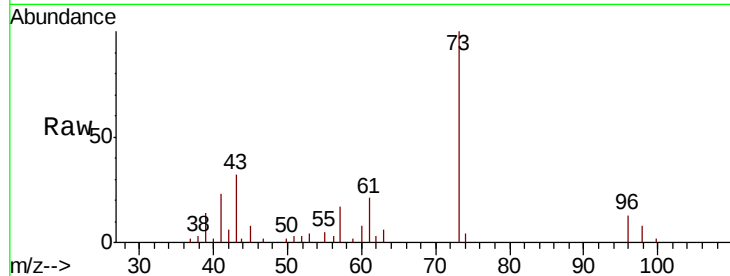




#19
Methyl tert-butyl Ether
Concen: 33.117 ug/l
RT: 3.39 min Scan# 321
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

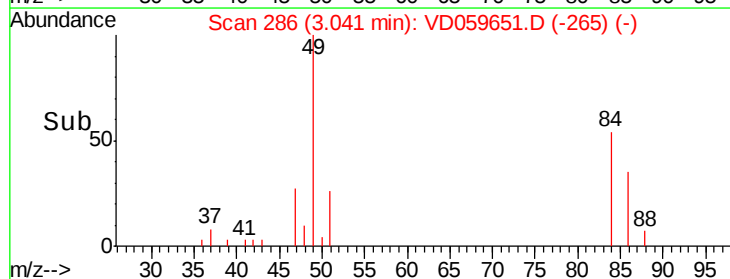
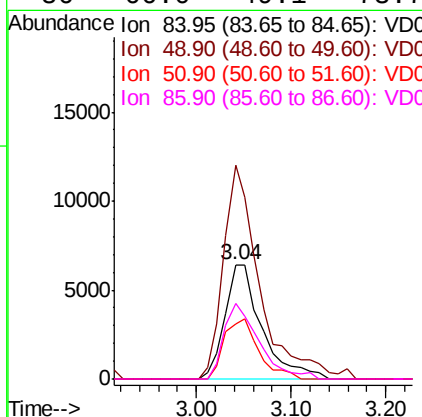
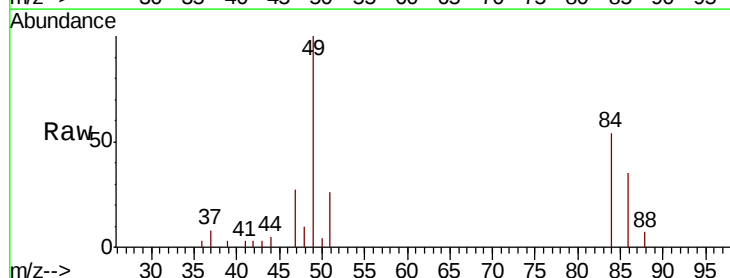
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

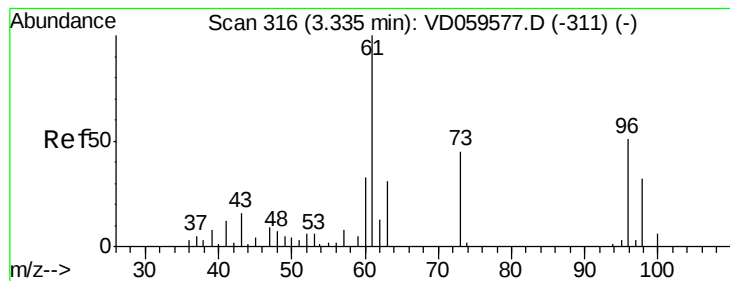
Tot Ion: 73 Resp: 69132
Ion Ratio Lower Upper
73 100
57 17.0 13.4 20.2



#20
Methylene Chloride
Concen: 21.829 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 84 Resp: 17366
Ion Ratio Lower Upper
84 100
49 186.7 125.4 188.2
51 47.9 39.7 59.5
86 66.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 37.120 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

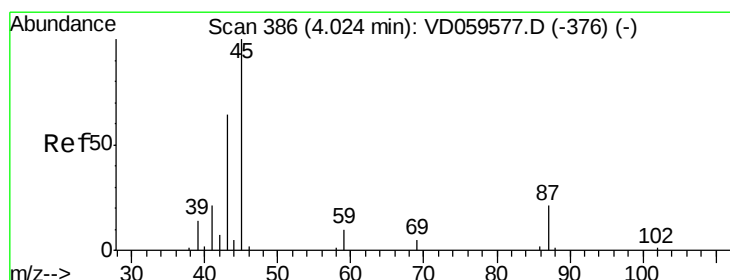
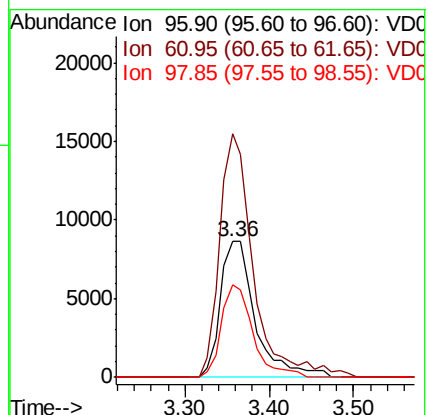
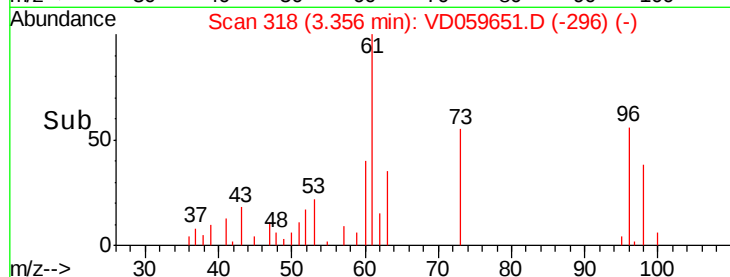
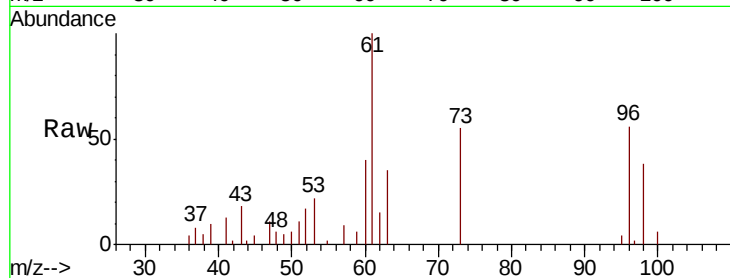
Tot Ion: 96 Resp: 24929

Ion Ratio Lower Upper

96 100

61 179.2 155.8 233.6

98 68.6 49.1 73.7



#22

Diisopropyl ether

Concen: 19.866 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.03 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Tgt Ion: 45 Resp: 78887

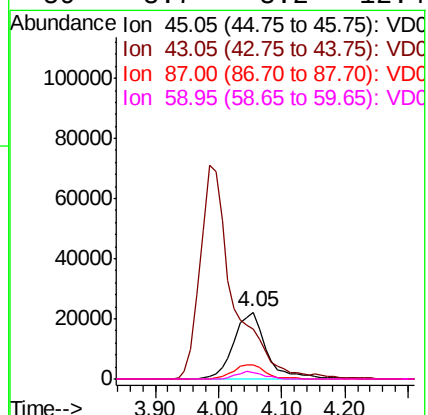
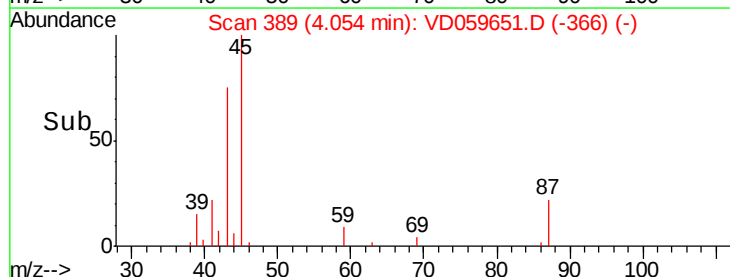
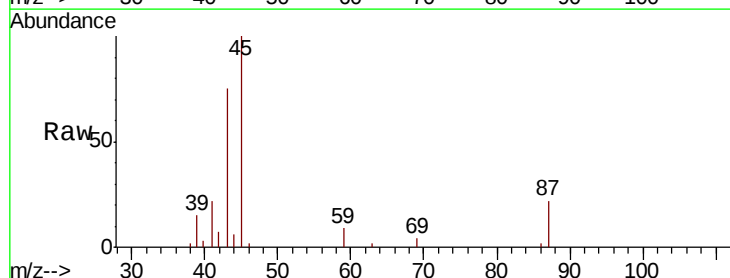
Ion Ratio Lower Upper

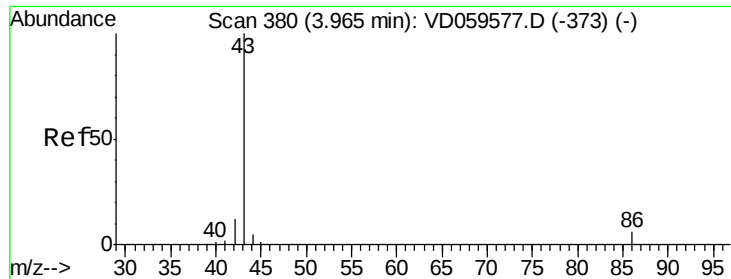
45 100

43 75.2 59.4 89.2

87 22.0 16.7 25.1

59 8.7 8.2 12.4





#23

Vinyl Acetate

Concen: 102.136 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

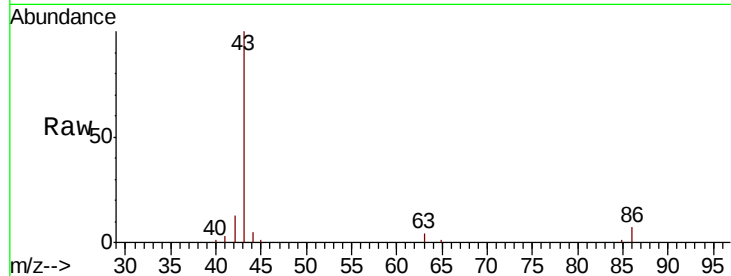
VD0731SBS01

Tot Ion: 43 Resp: 257403

Ion Ratio Lower Upper

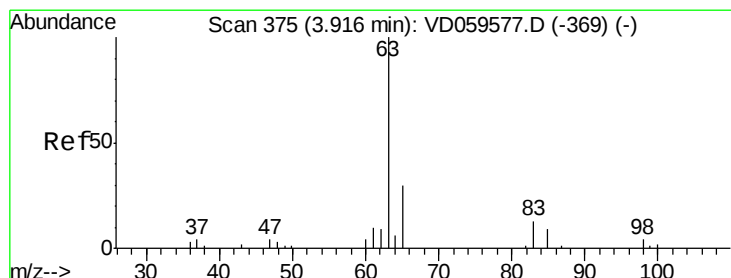
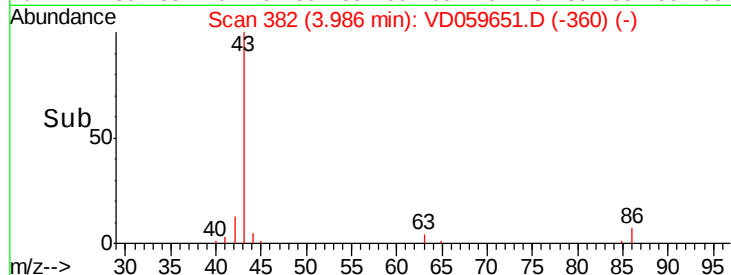
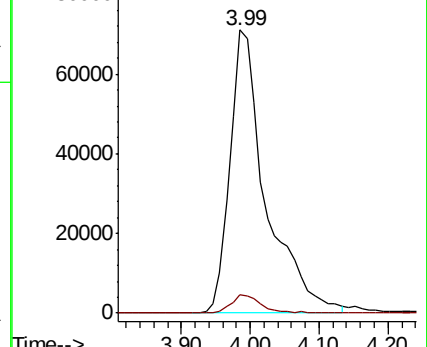
43 100

86 6.7 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.129 ug/l

RT: 3.95 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

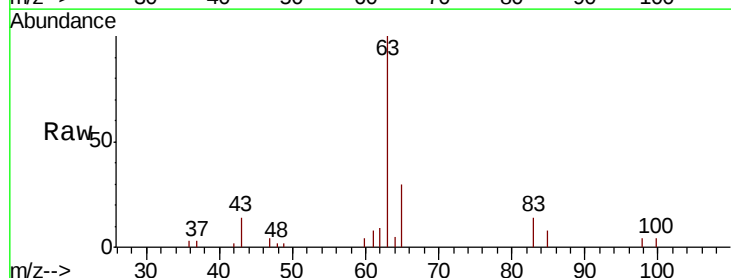
Tgt Ion: 63 Resp: 55472

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

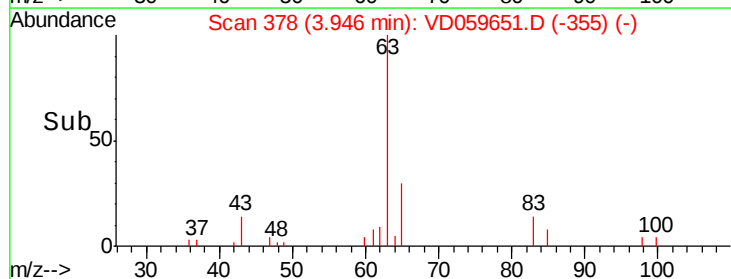
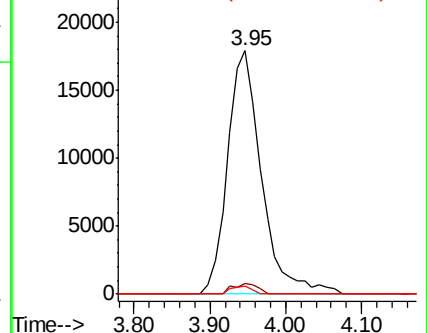
100 3.6 1.1 3.3#

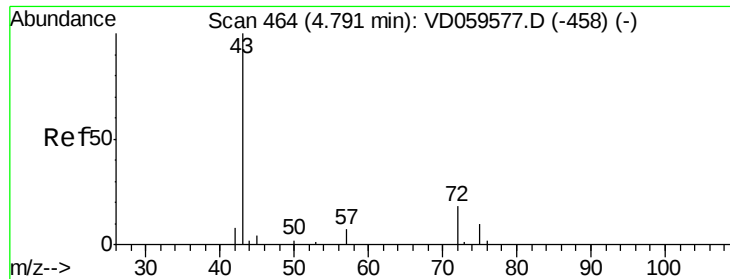


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 94.935 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

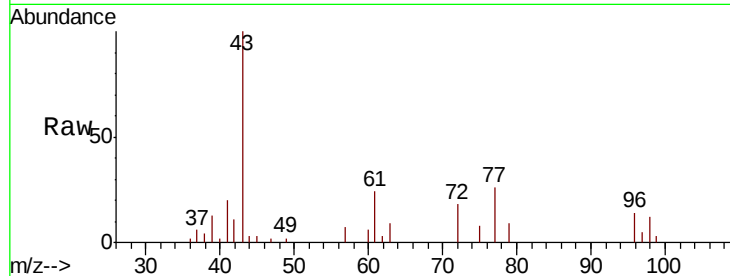
VD0731SBS01

Tot Ion: 43 Resp: 40393

Ion Ratio Lower Upper

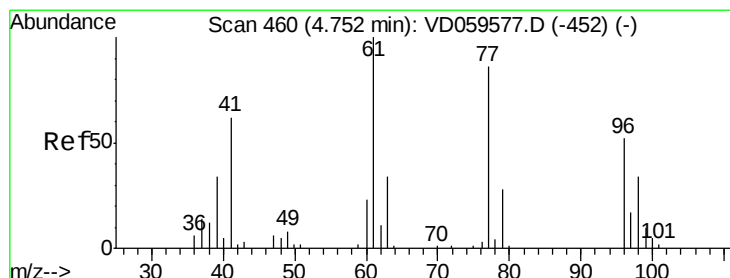
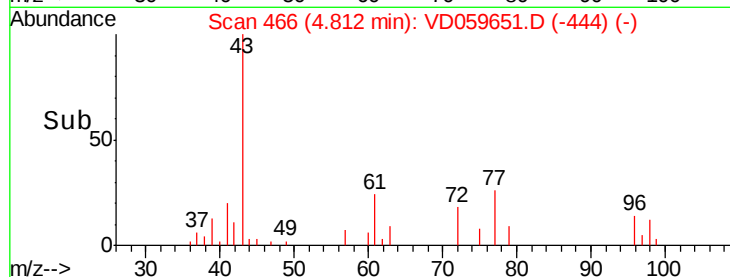
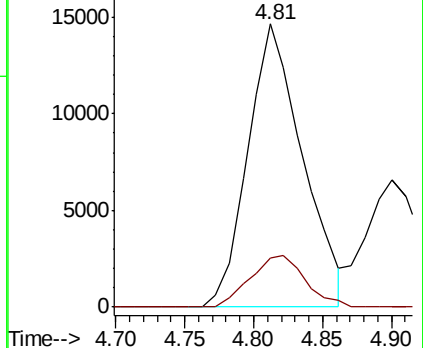
43 100

72 17.5 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.212 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059651.D

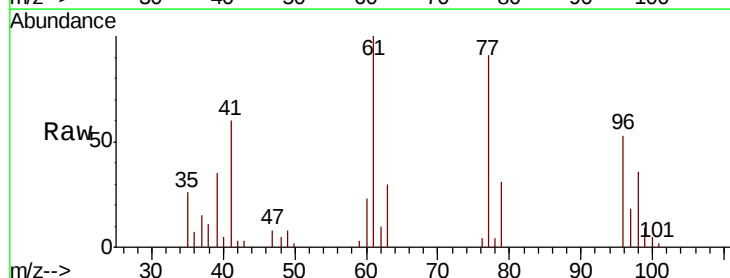
Acq: 31 Jul 2018 13:58

Tgt Ion: 77 Resp: 59591

Ion Ratio Lower Upper

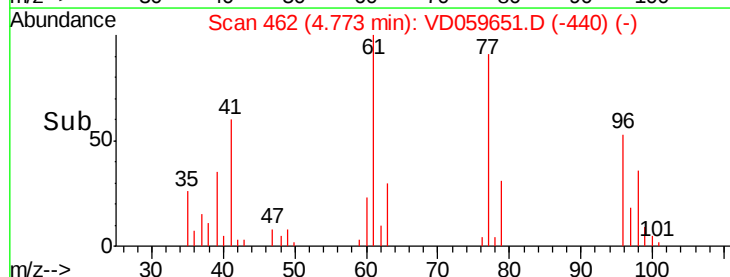
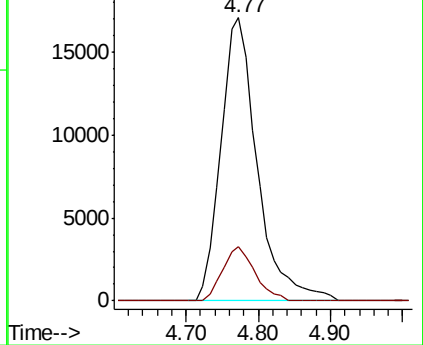
77 100

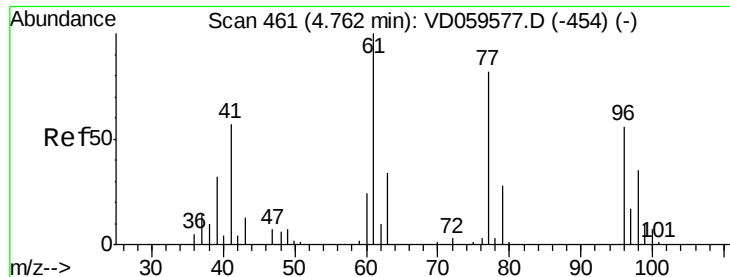
97 19.3 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



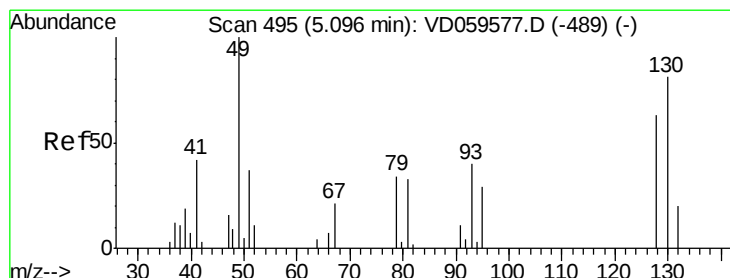
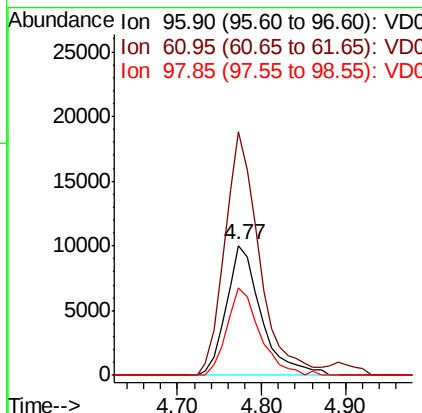
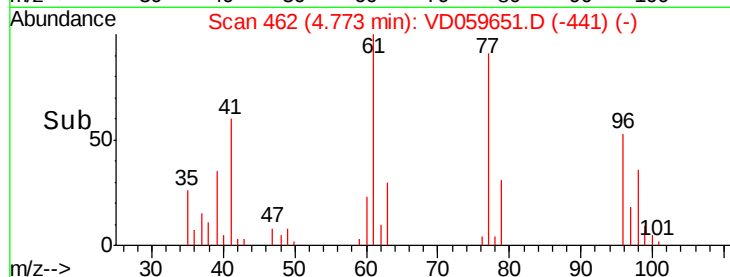
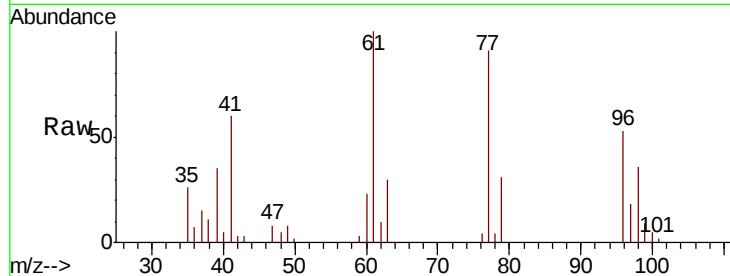


#27

cis-1,2-Dichloroethene
 Concen: 21.431 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

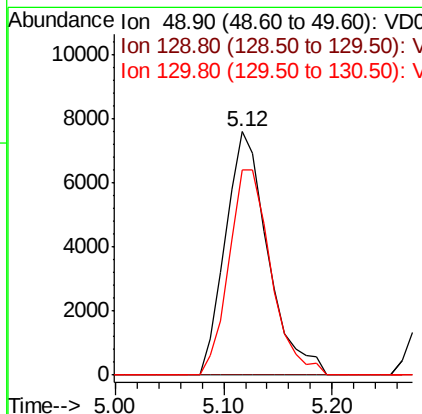
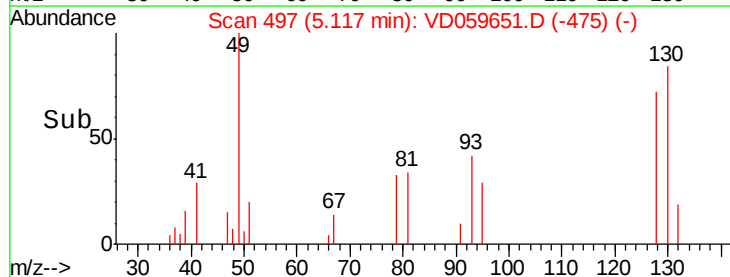
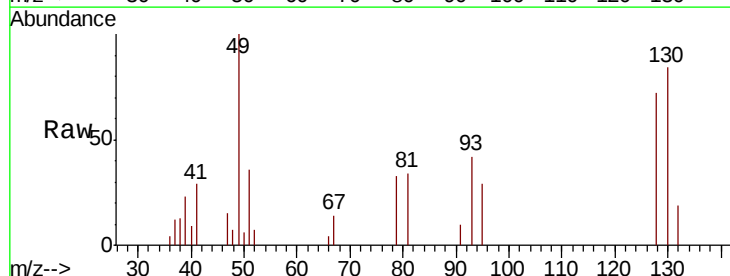
Tot Ion: 96 Resp: 28748
 Ion Ratio Lower Upper
 96 100
 61 187.4 0.0 355.0
 98 67.1 0.0 125.8

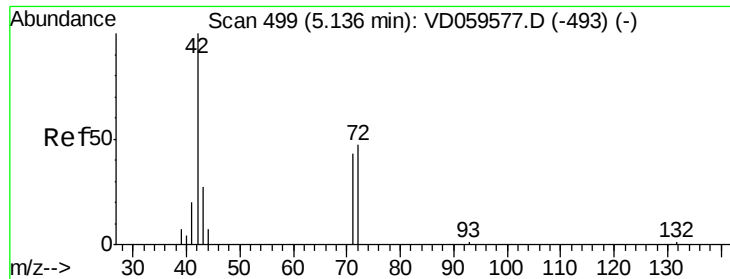


#28

Bromochloromethane
 Concen: 20.842 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 49 Resp: 20673
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 84.2 64.6 96.8





#29

Tetrahydrofuran

Concen: 85.966 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBSD01

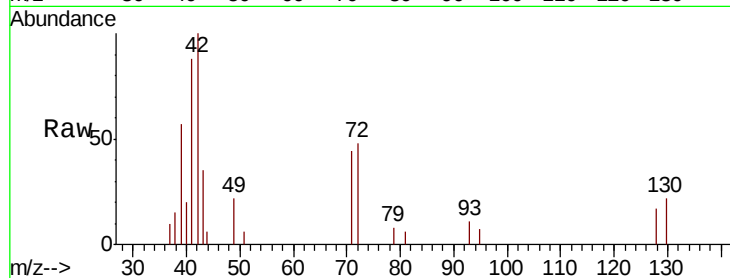
Tot Ion: 42 Resp: 16936

Ion Ratio Lower Upper

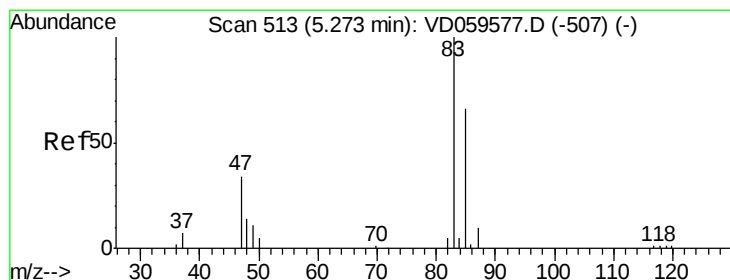
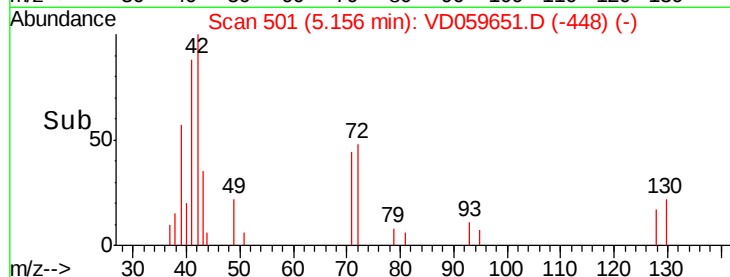
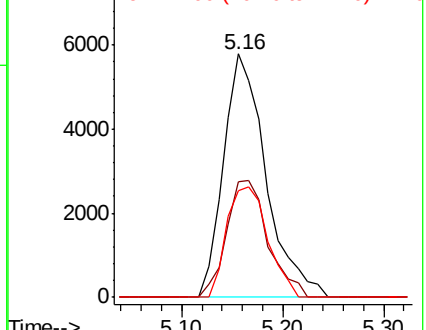
42 100

72 47.0 35.0 52.4

71 43.8 34.2 51.2



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



#30

Chloroform

Concen: 22.923 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059651.D

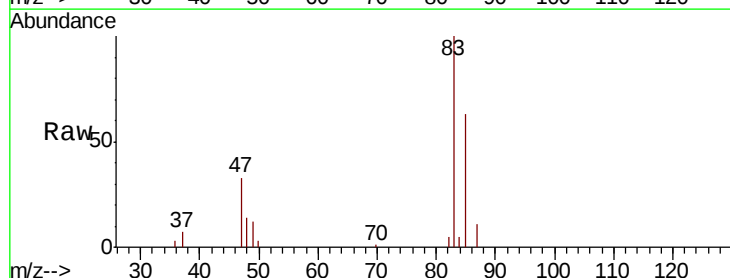
Acq: 31 Jul 2018 13:58

Tgt Ion: 83 Resp: 68728

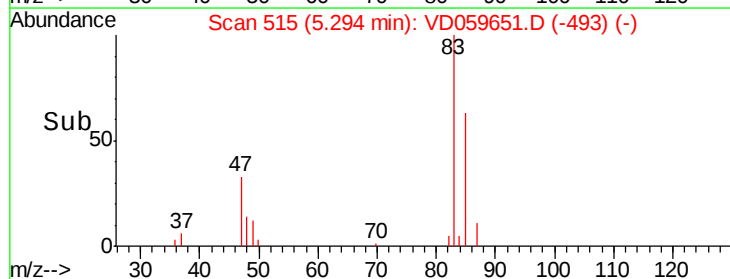
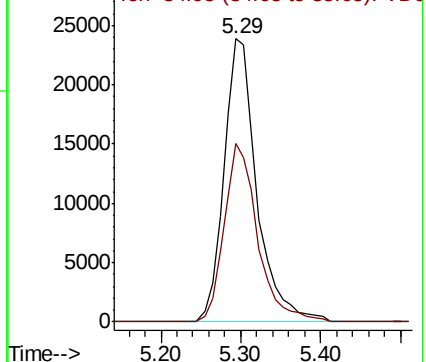
Ion Ratio Lower Upper

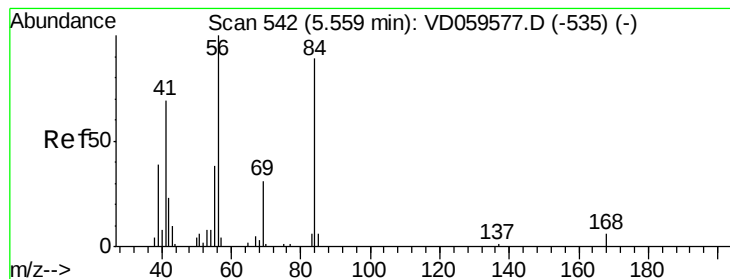
83 100

85 63.0 53.0 79.6



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





#31

Cyclohexane

Concen: 19.552 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

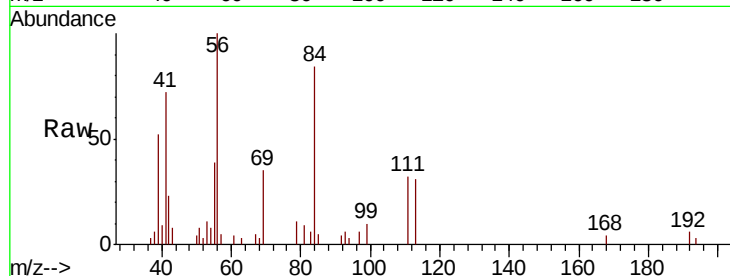
Tot Ion: 56 Resp: 36909

Ion Ratio Lower Upper

56 100

69 35.4 24.6 37.0

84 84.1 72.7 109.1



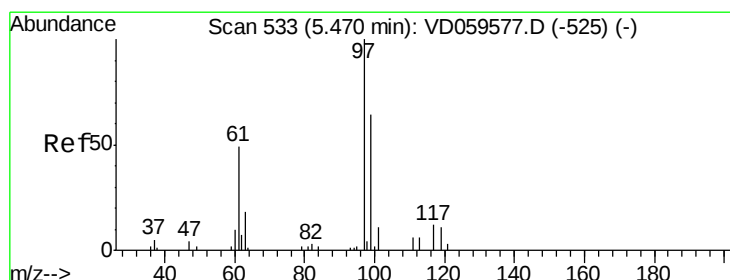
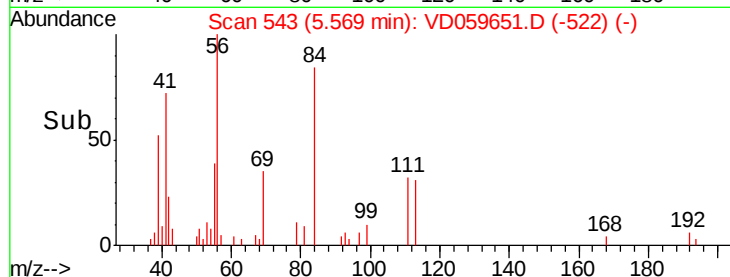
Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->



#32

1,1,1-Trichloroethane

Concen: 23.079 ug/l

RT: 5.49 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

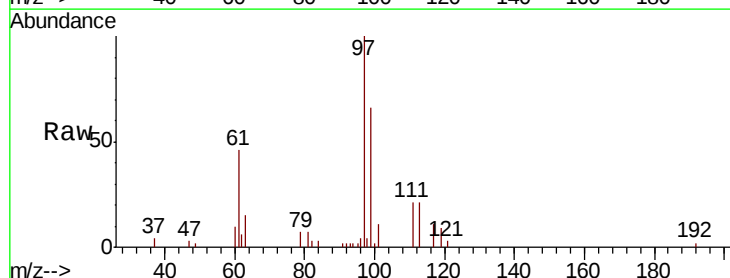
Tgt Ion: 97 Resp: 66991

Ion Ratio Lower Upper

97 100

99 66.1 50.9 76.3

61 46.1 39.2 58.8



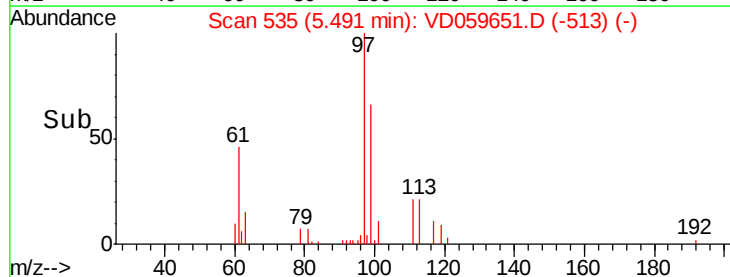
Abundance

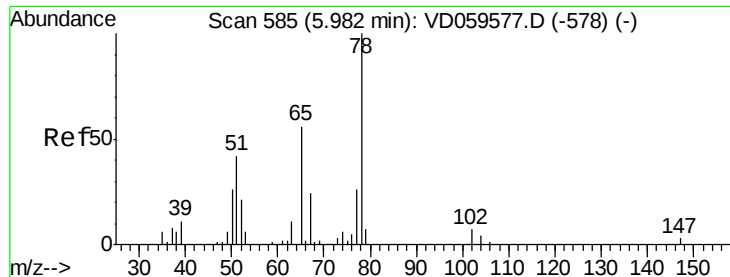
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->





#33

1,2-Dichloroethane-d4

Concen: 23.079 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

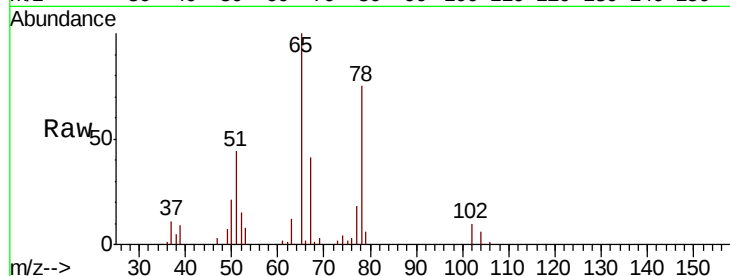
VD0731SBS01

Tot Ion: 65 Resp: 99647

Ion Ratio Lower Upper

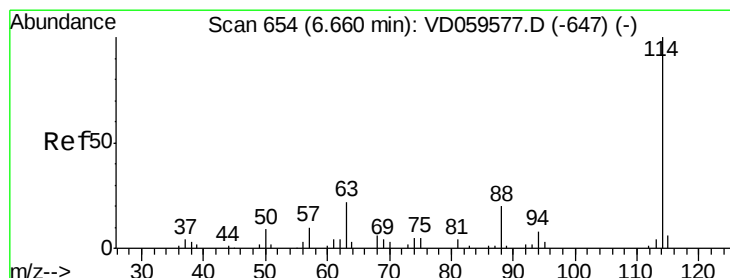
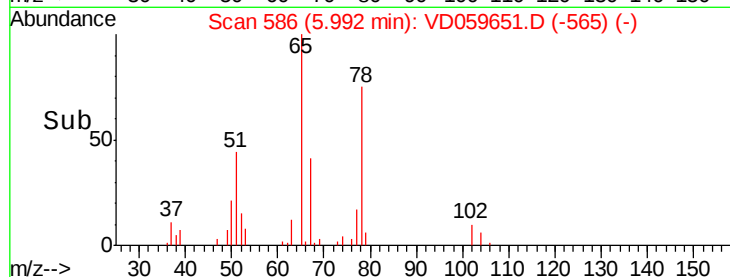
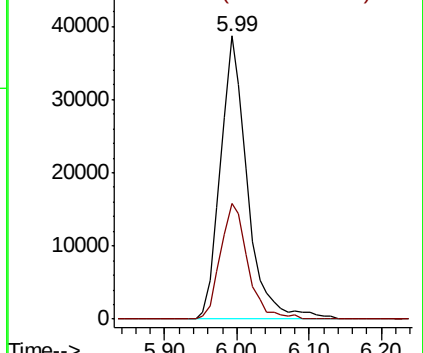
65 100

67 41.0 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

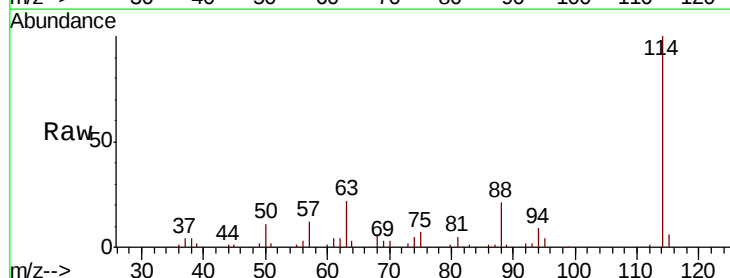
Tgt Ion: 114 Resp: 183630

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

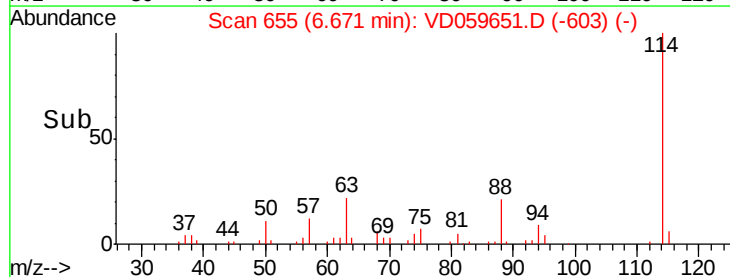
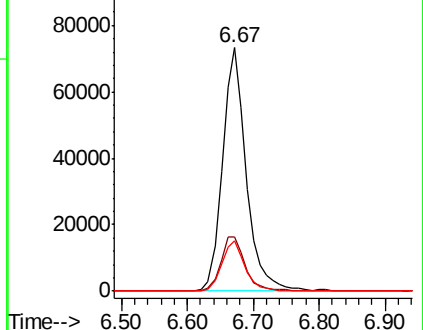
88 20.7 0.0 39.0

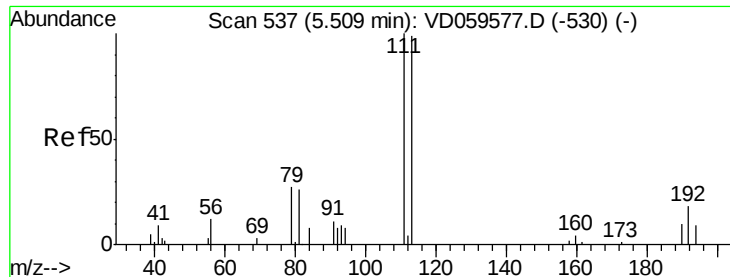


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

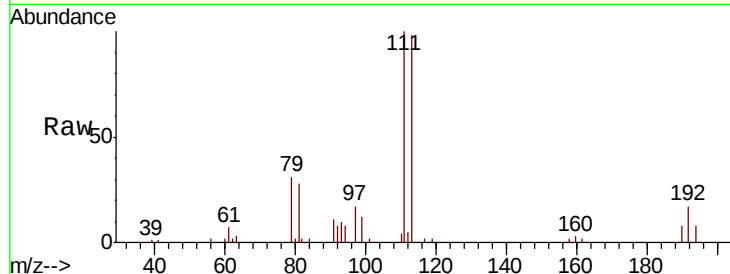




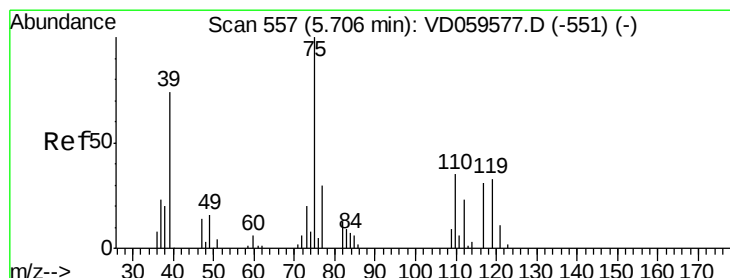
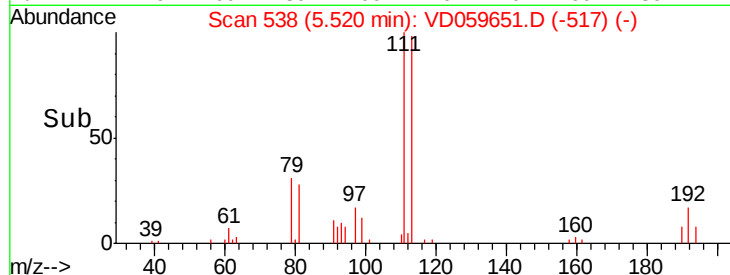
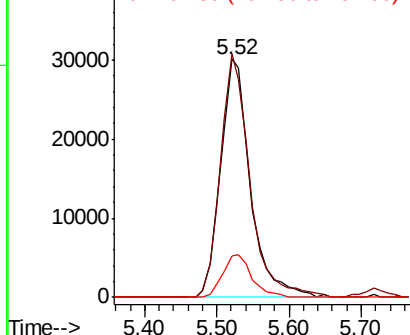
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion:113 Resp: 85759
Ion Ratio Lower Upper
113 100
111 102.2 80.5 120.7
192 17.5 14.5 21.7

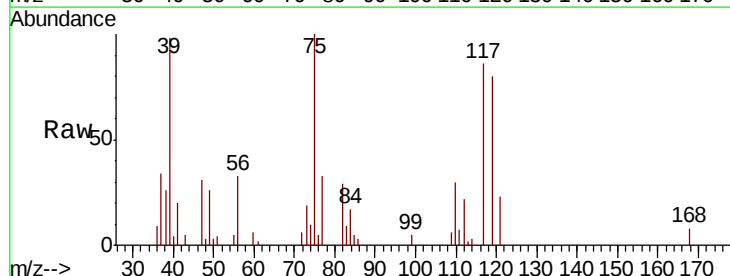


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

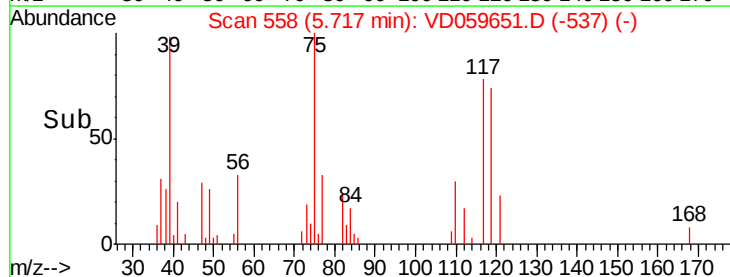
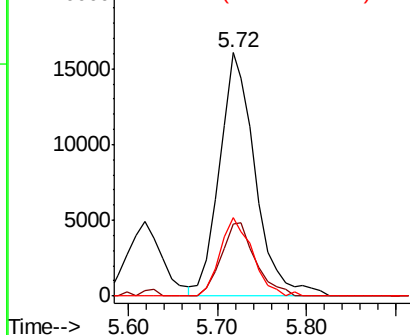


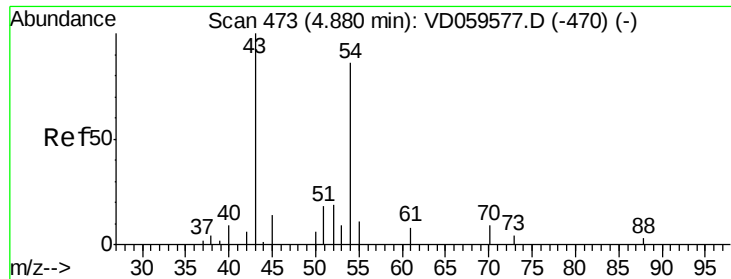
#36
1,1-Dichloropropene
Concen: 24.429 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 75 Resp: 45013
Ion Ratio Lower Upper
75 100
110 29.6 17.0 50.9
77 32.5 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

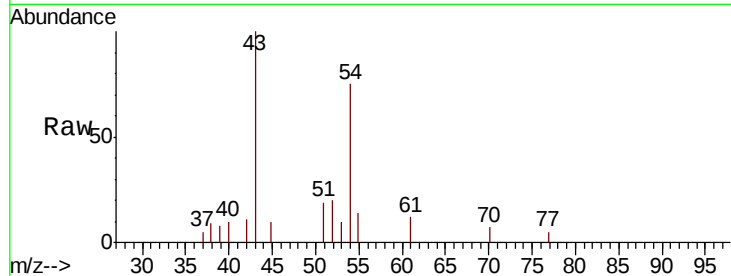




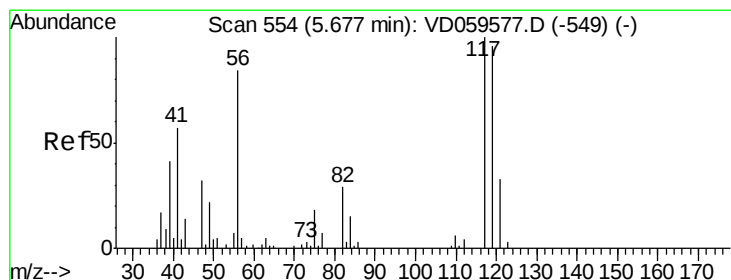
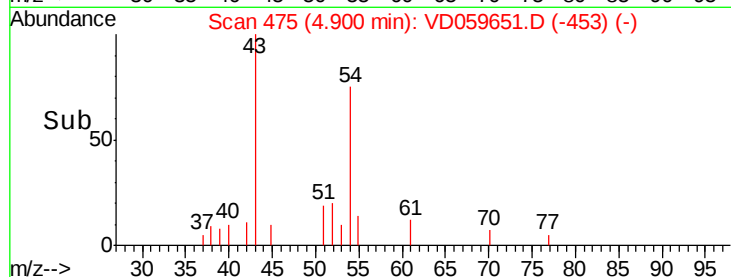
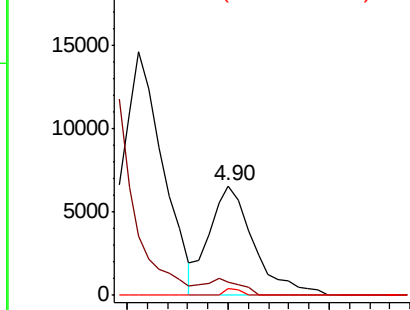
#37
Ethyl Acetate
Concen: 21.332 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion: 43 Resp: 20220
Ion Ratio Lower Upper
43 100
61 12.3 10.7 16.1
70 6.7 5.4 8.0

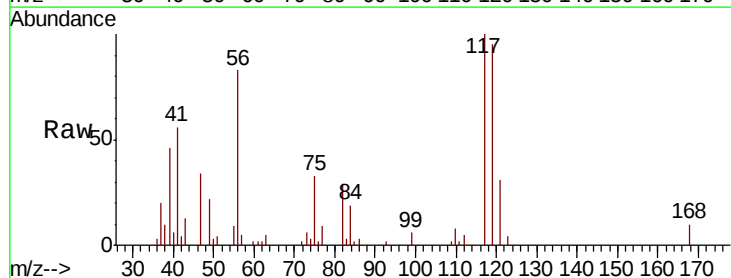


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

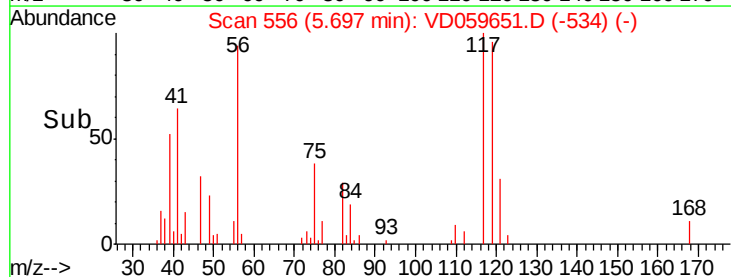
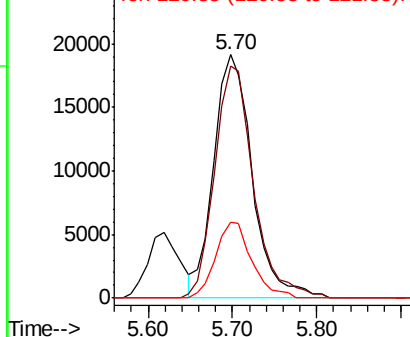


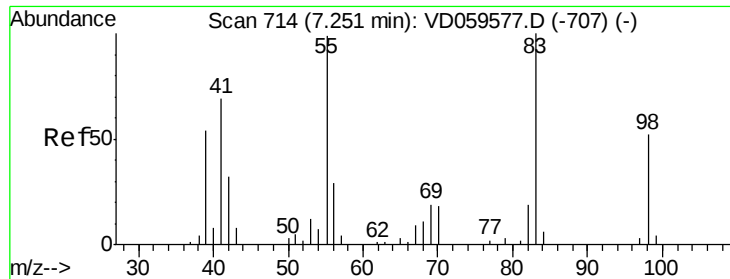
#38
Carbon Tetrachloride
Concen: 24.172 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 117 Resp: 60991
Ion Ratio Lower Upper
117 100
119 95.4 73.6 110.4
121 31.1 25.0 37.6



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

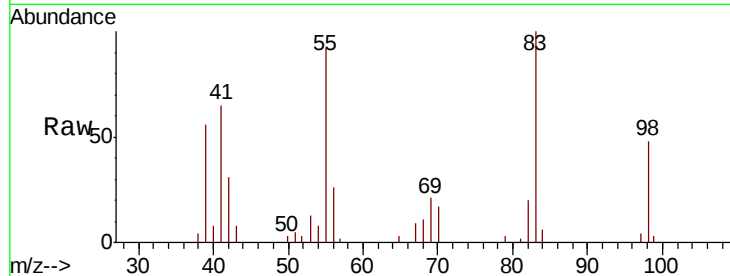




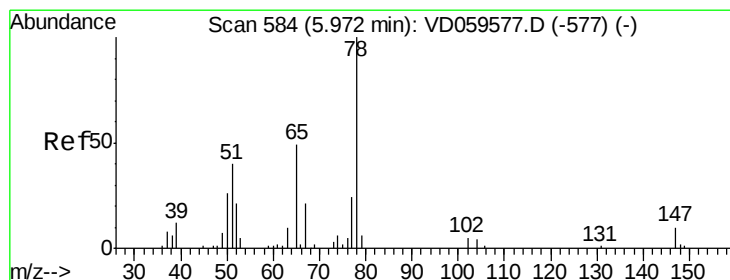
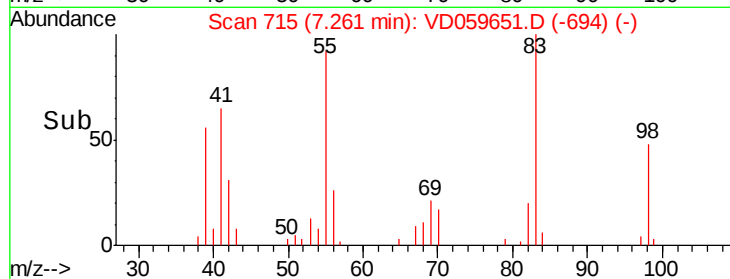
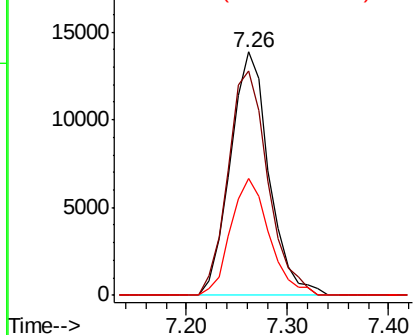
#39
Methvlcvclohexane
Concen: 21.821 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion: 83 Resp: 36974
Ion Ratio Lower Upper
83 100
55 92.3 79.4 119.0
98 47.8 41.6 62.4

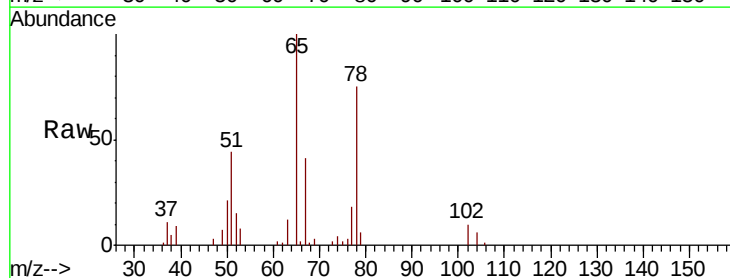


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

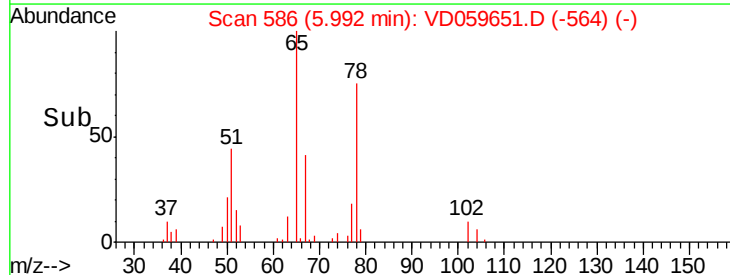
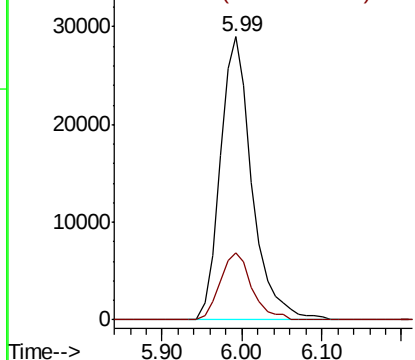


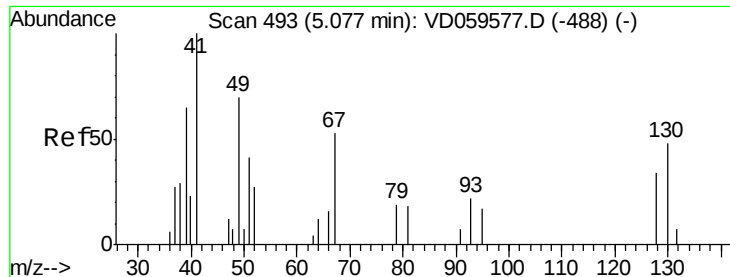
#40
Benzene
Concen: 21.409 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 78 Resp: 80897
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



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





#41

Methacrylonitrile

Concen: 19.056 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

Tot Ion: 41 Resp: 9014

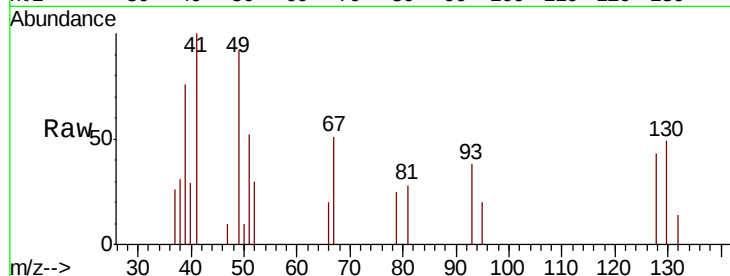
Ion Ratio Lower Upper

41 100

39 75.9 52.1 78.1

67 51.2 42.5 63.7

52 30.4 21.8 32.8

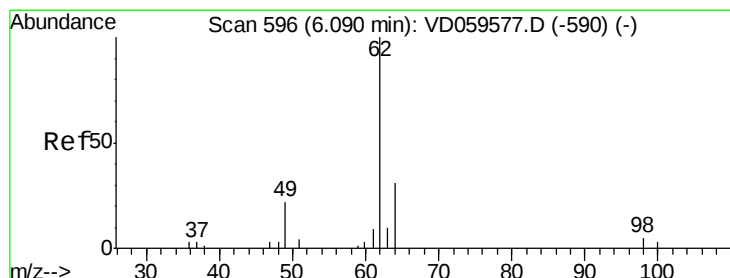
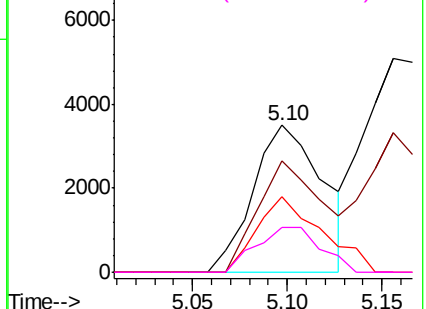
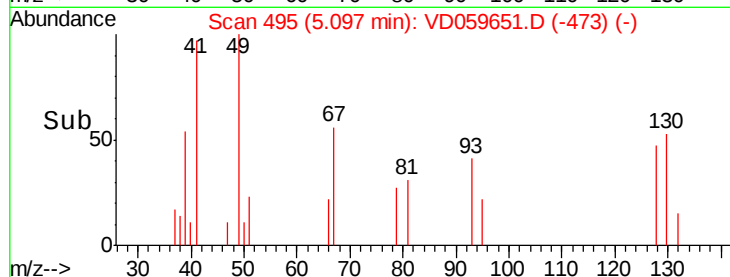


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.916 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059651.D

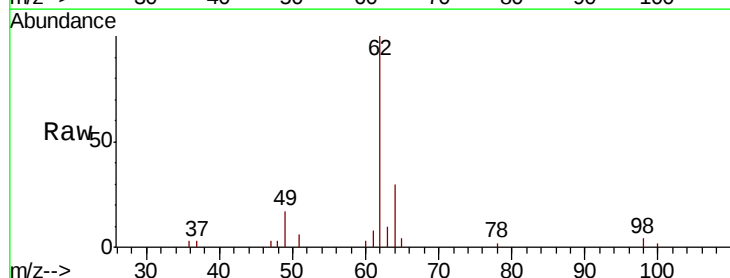
Acq: 31 Jul 2018 13:58

Tgt Ion: 62 Resp: 54448

Ion Ratio Lower Upper

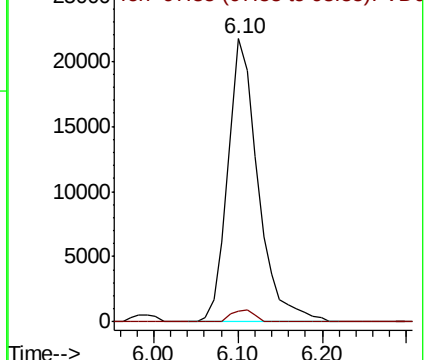
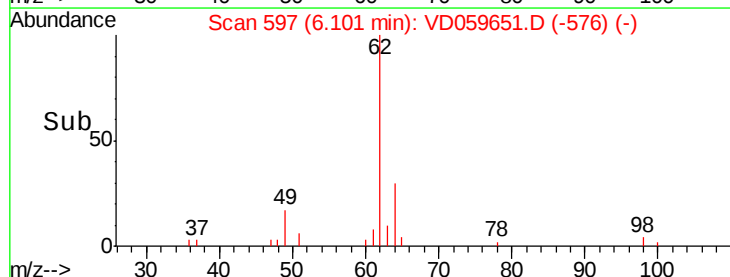
62 100

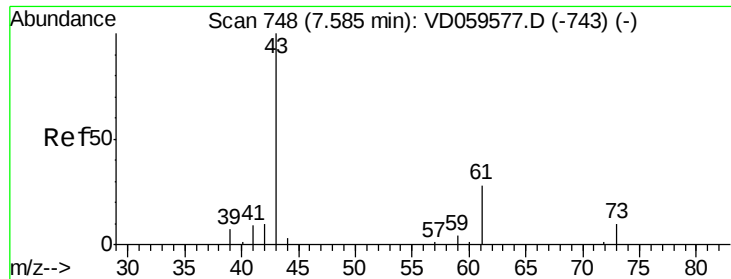
98 3.8 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



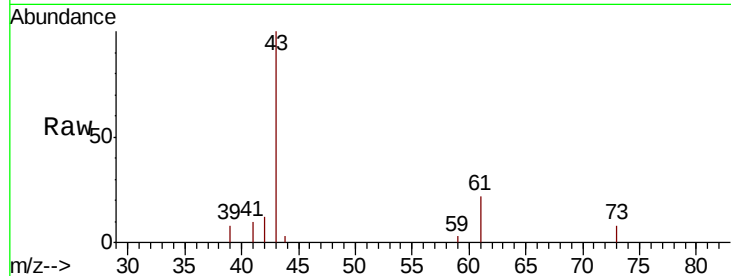


#43

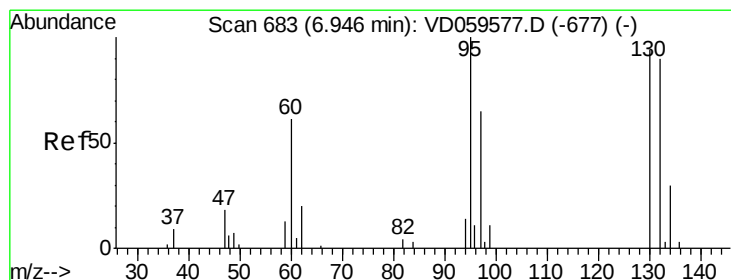
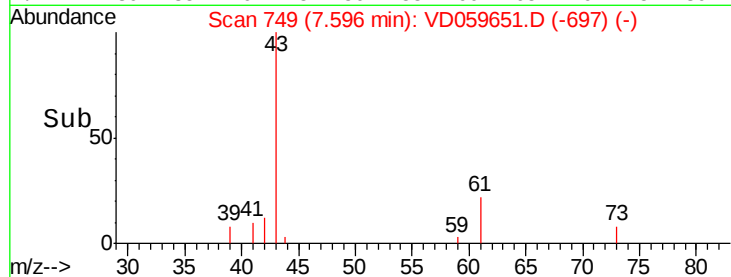
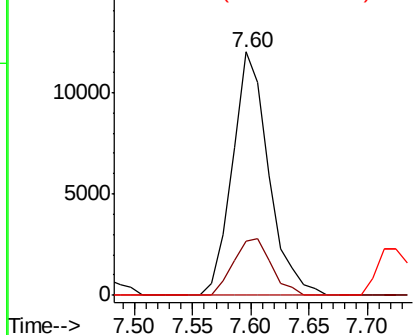
Isopropyl Acetate
 Concen: 19.644 ug/l
 RT: 7.60 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion: 43 Resp: 25819
 Ion Ratio Lower Upper
 43 100
 61 22.3 22.0 33.0
 87 0.0 0.0 0.0



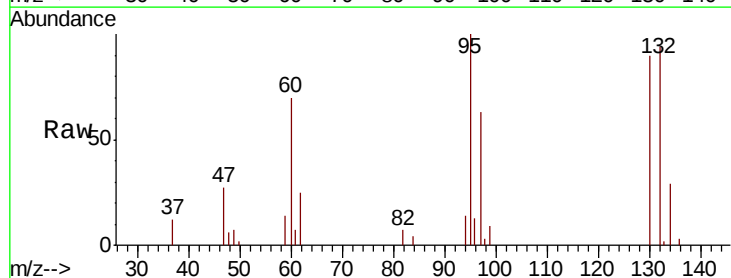
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



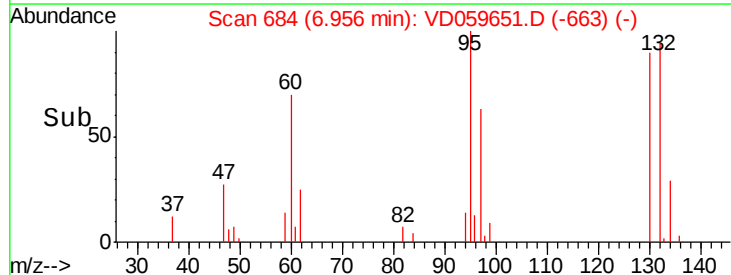
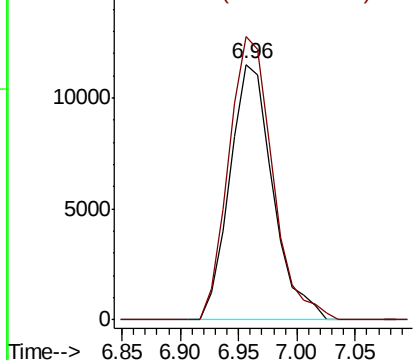
#44

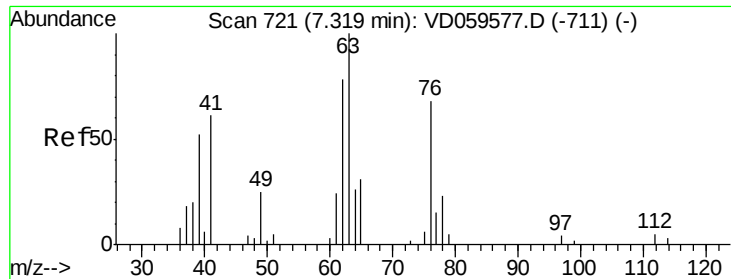
Trichloroethene
 Concen: 21.519 ug/l
 RT: 6.96 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 130 Resp: 29493
 Ion Ratio Lower Upper
 130 100
 95 110.8 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 20.660 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

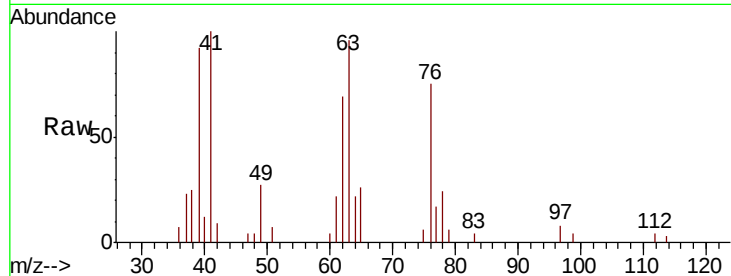
VD0731SBS01

Tot Ion: 63 Resp: 21862

Ion Ratio Lower Upper

63 100

65 27.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.33

10000

8000

6000

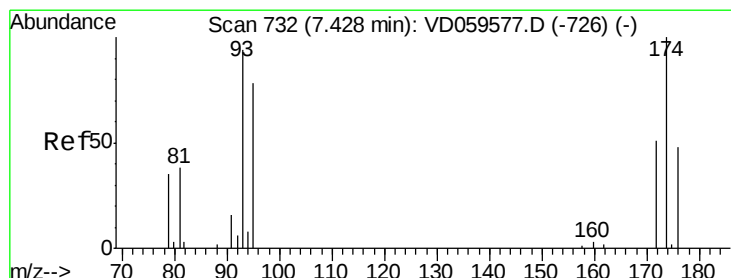
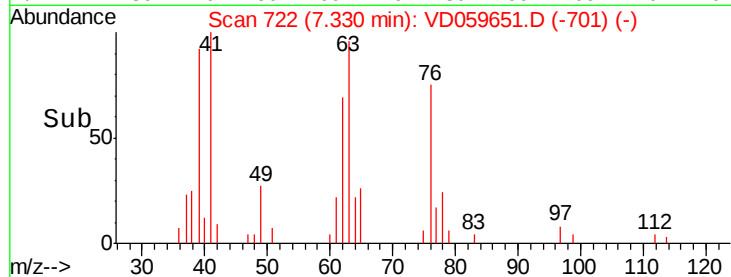
4000

2000

0

7.30 7.33 7.36

Time-->



#46

Dibromomethane

Concen: 22.218 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

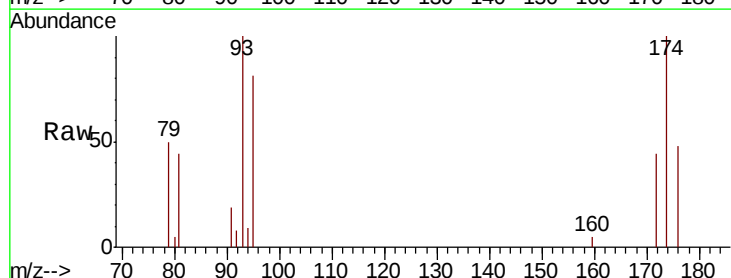
Tgt Ion: 93 Resp: 19873

Ion Ratio Lower Upper

93 100

95 81.2 65.8 98.8

174 99.6 84.7 127.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

12000

10000

8000

6000

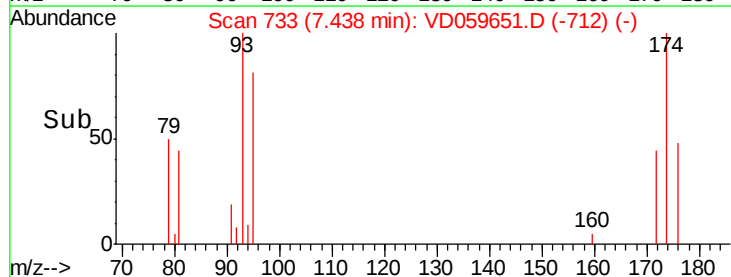
4000

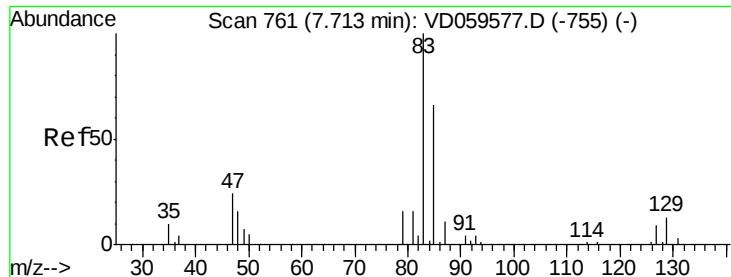
2000

0

7.40 7.44 7.48

Time-->





#47

Bromodichloromethane

Concen: 23.714 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

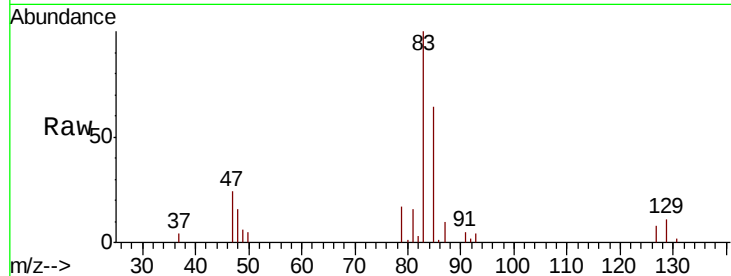
Tot Ion: 83 Resp: 50661

Ion Ratio Lower Upper

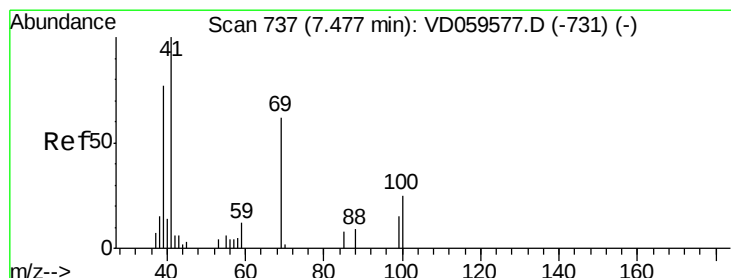
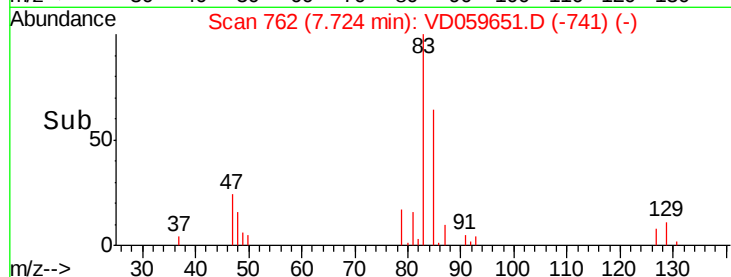
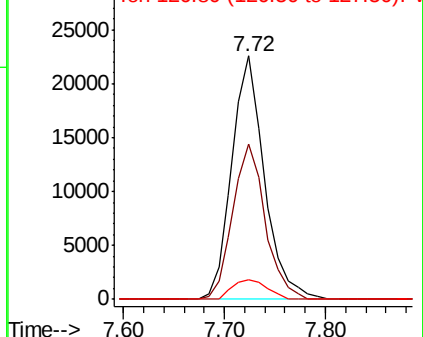
83 100

85 64.0 53.1 79.7

127 8.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.628 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

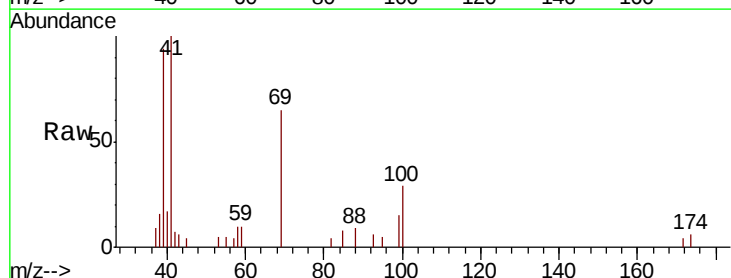
Tgt Ion: 41 Resp: 17981

Ion Ratio Lower Upper

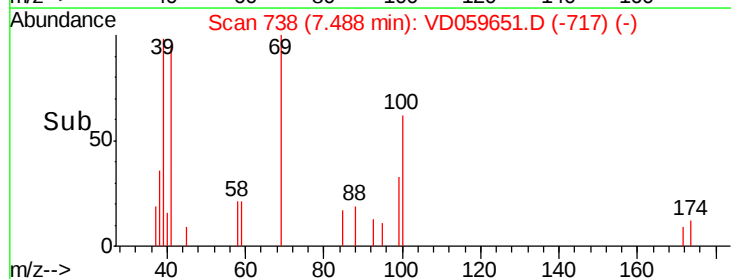
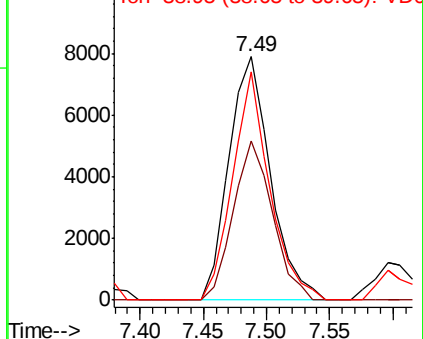
41 100

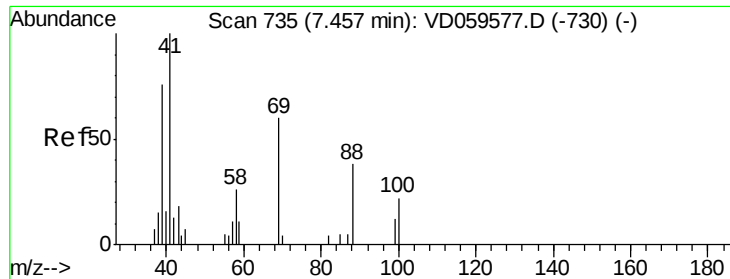
69 65.5 49.4 74.0

39 93.9 61.3 91.9#



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





#49

1,4-Dioxane

Concen: 330.869 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

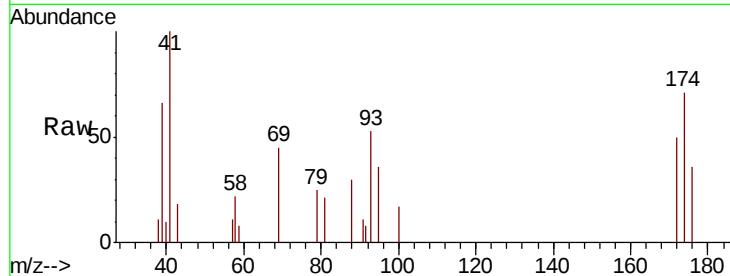
Tot Ion: 88 Resp: 2574

Ion Ratio Lower Upper

88 100

43 60.5 37.4 56.2#

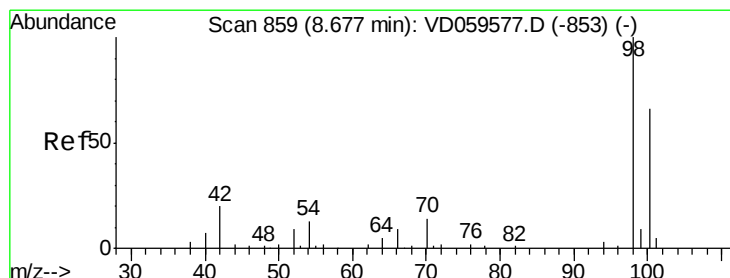
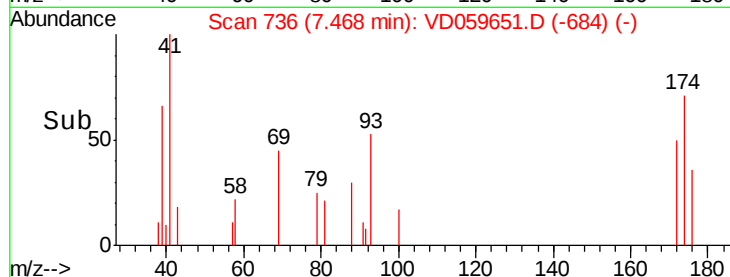
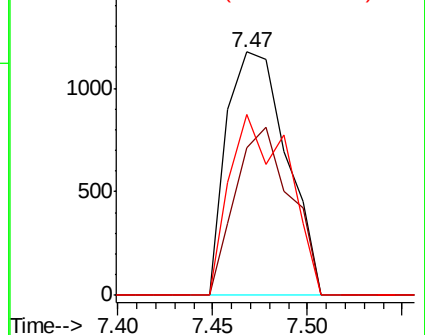
58 74.1 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 330.869 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059651.D

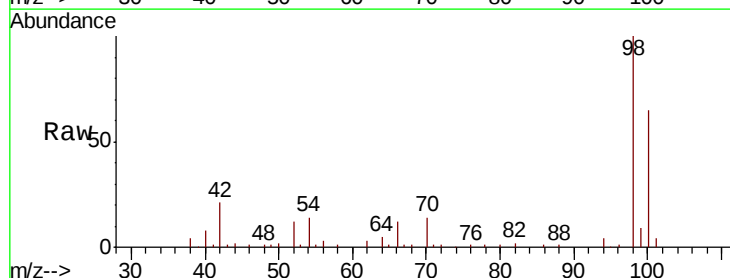
Acq: 31 Jul 2018 13:58

Tgt Ion: 98 Resp: 176413

Ion Ratio Lower Upper

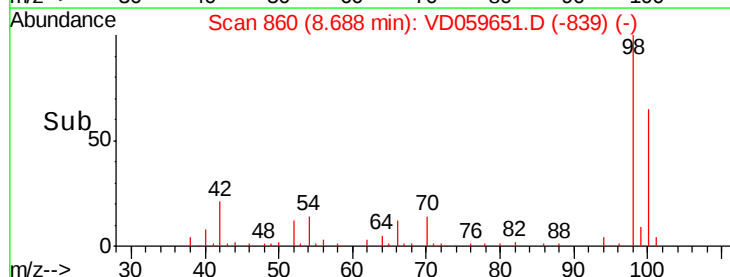
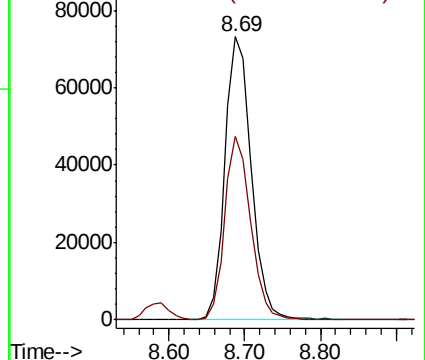
98 100

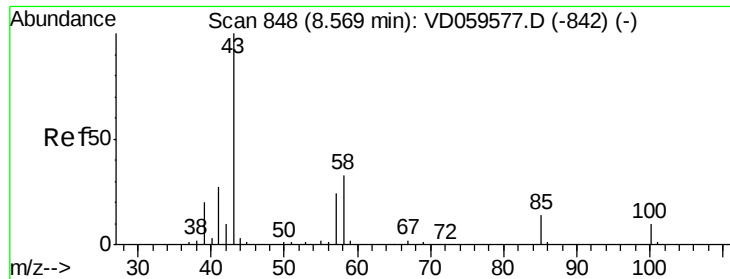
100 65.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.678 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

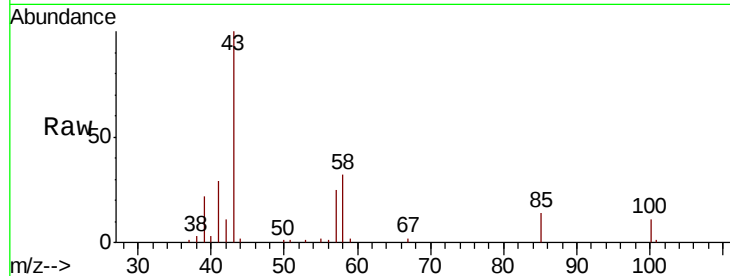
VD0731SBS01

Tot Ion: 43 Resp: 88366

Ion Ratio Lower Upper

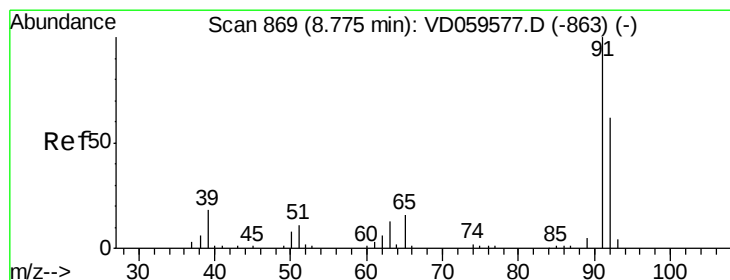
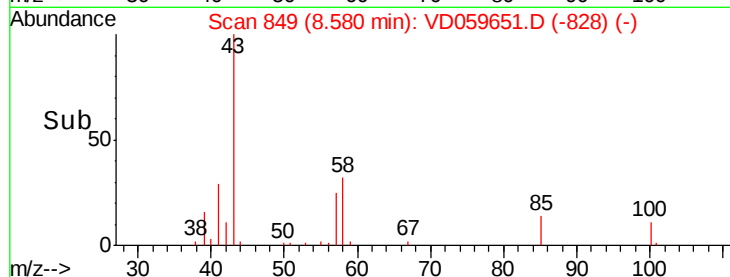
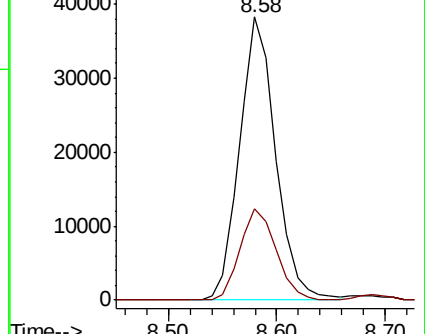
43 100

58 32.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.920 ug/l

RT: 8.79 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059651.D

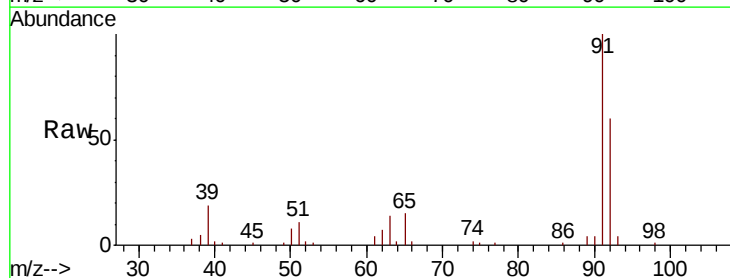
Acq: 31 Jul 2018 13:58

Tgt Ion: 92 Resp: 54924

Ion Ratio Lower Upper

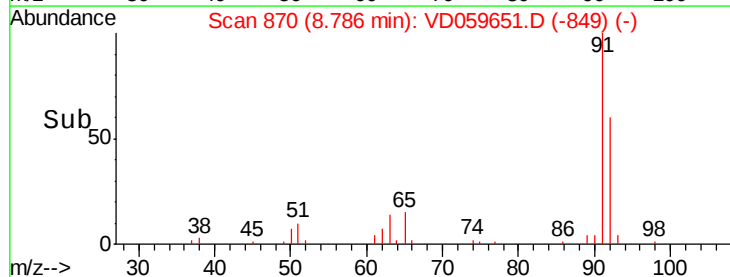
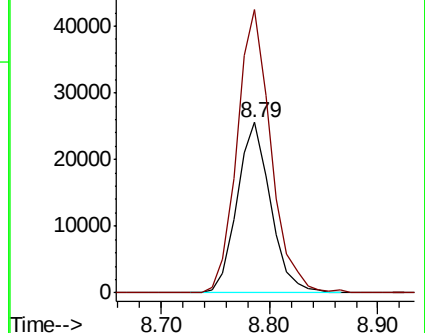
92 100

91 166.0 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

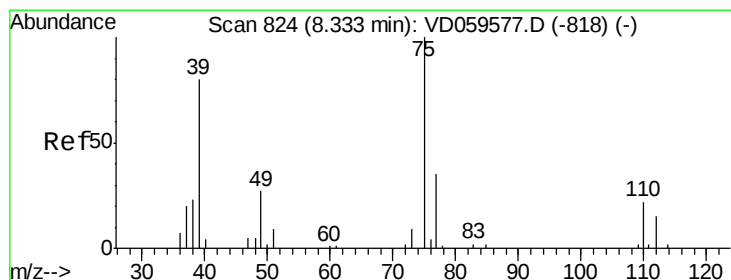
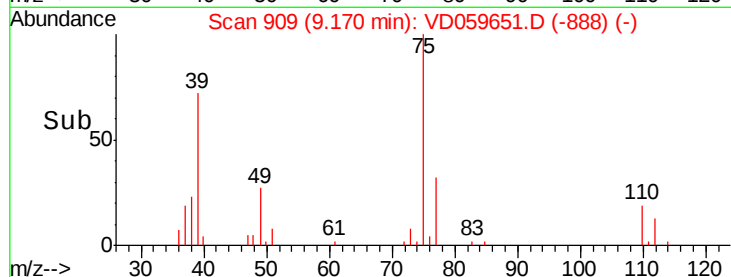
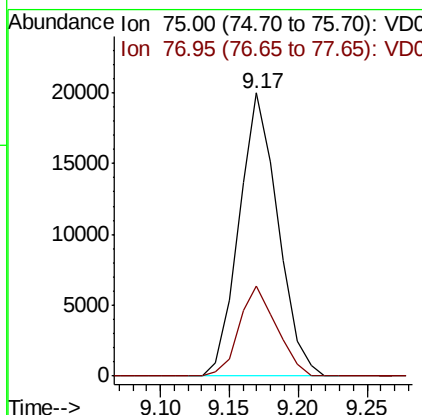
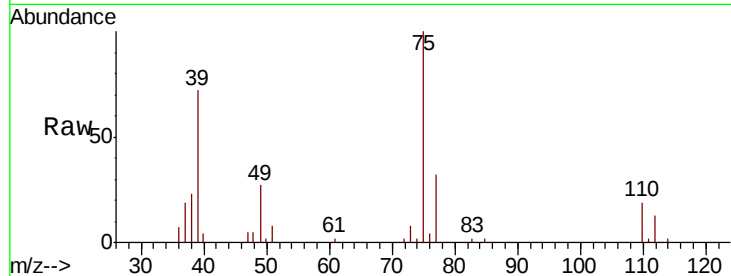




#53
t-1,3-Dichloropropene
Concen: 20.367 ug/l
RT: 9.17 min Scan# 909
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

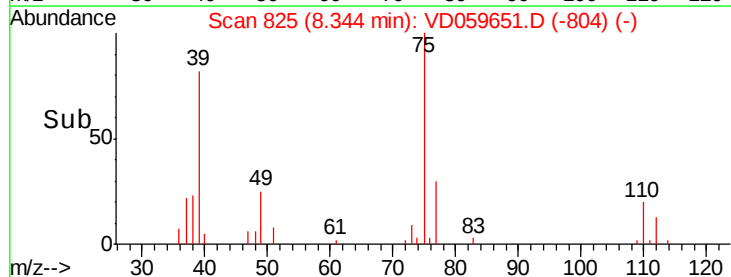
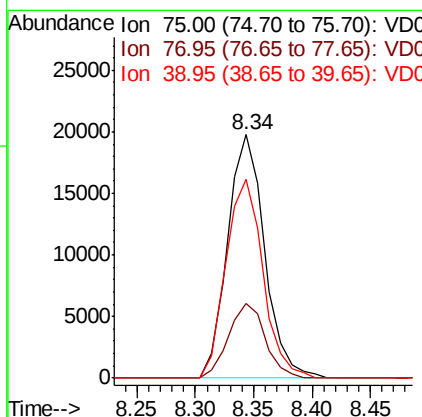
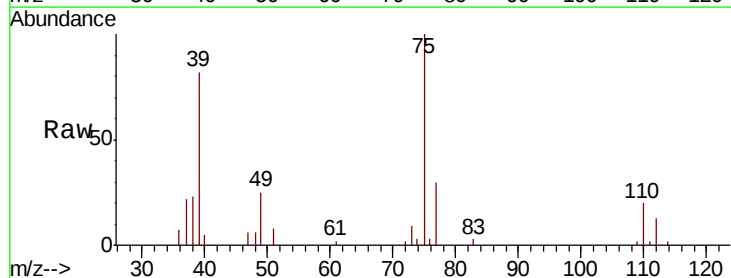
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

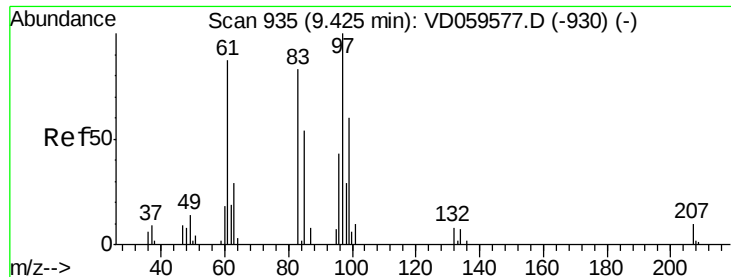
Tot Ion: 75 Resp: 39244
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 22.664 ug/l
RT: 8.34 min Scan# 825
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 75 Resp: 43366
Ion Ratio Lower Upper
75 100
77 30.4 27.7 41.5
39 81.9 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 21.081 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBSD01

Tot Ion: 97 Resp: 19844

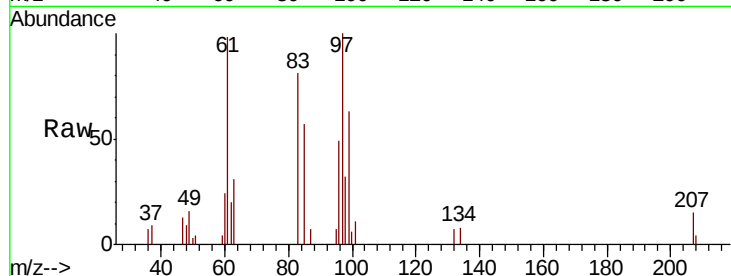
Ion Ratio Lower Upper

97 100

83 81.0 66.3 99.5

85 56.7 43.0 64.6

99 63.2 47.7 71.5

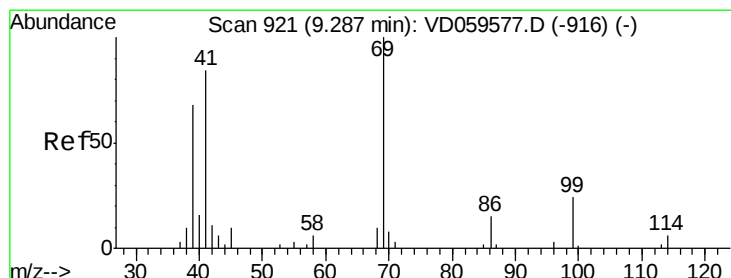
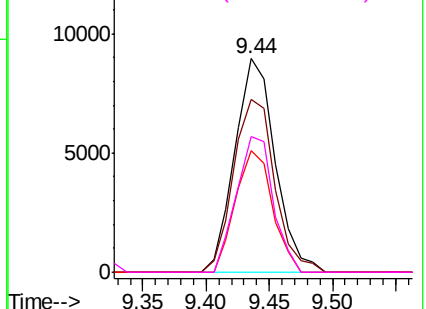
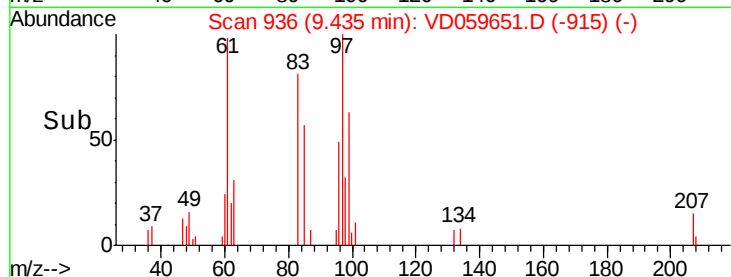


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.282 ug/l

RT: 9.30 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

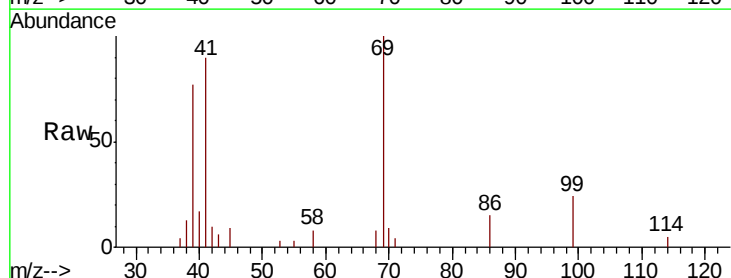
Tgt Ion: 69 Resp: 21661

Ion Ratio Lower Upper

69 100

41 90.1 66.8 100.2

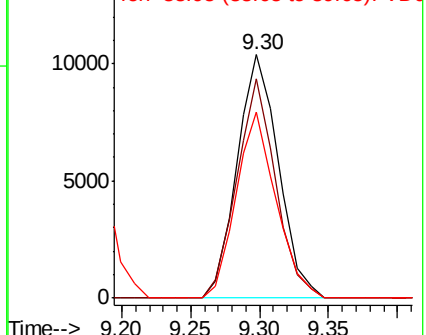
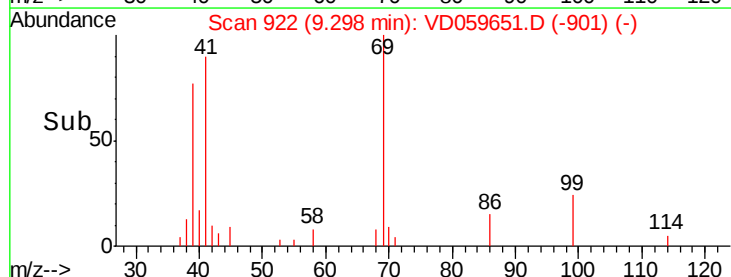
39 76.6 54.7 82.1

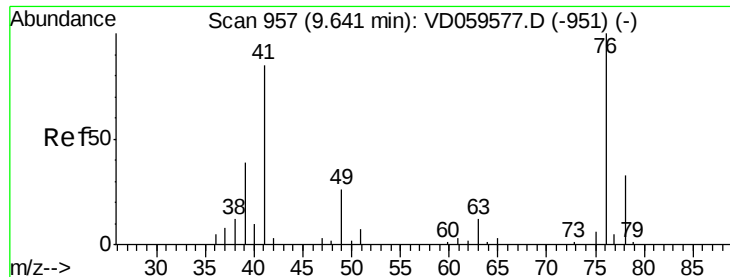


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.767 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

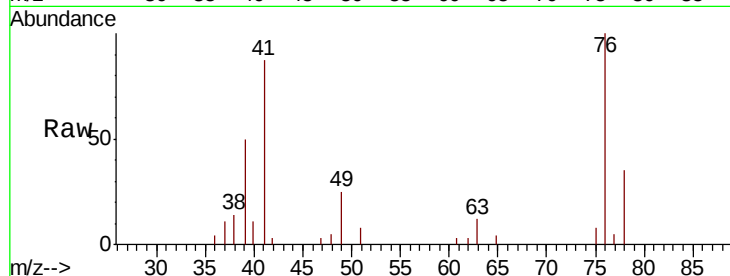
VD0731SBS01

Tot Ion: 76 Resp: 32558

Ion Ratio Lower Upper

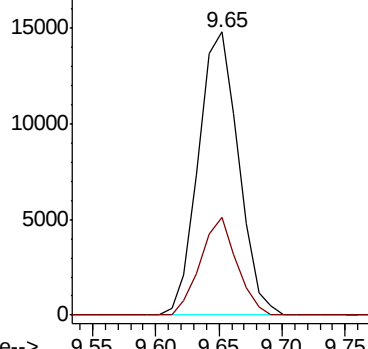
76 100

78 34.6 26.0 39.0

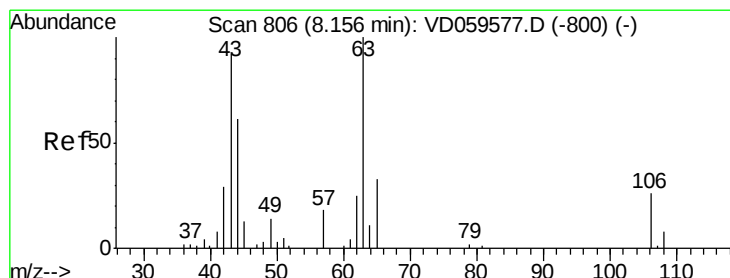
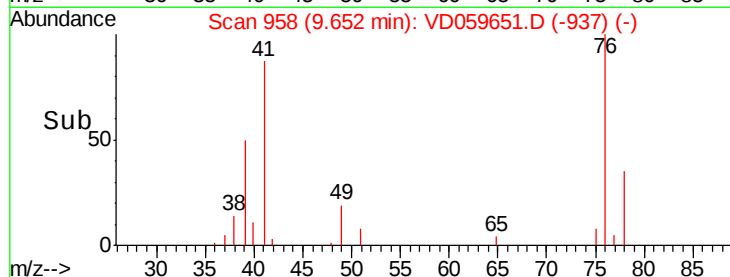


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.289 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059651.D

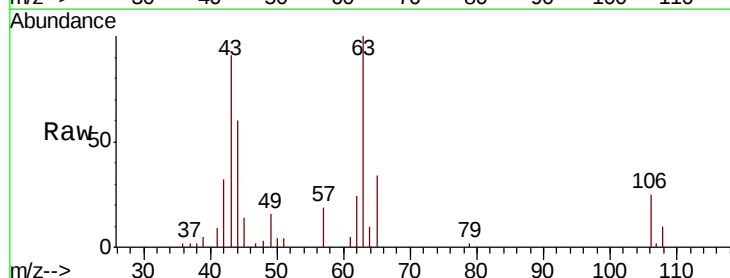
Acq: 31 Jul 2018 13:58

Tgt Ion: 63 Resp: 51332

Ion Ratio Lower Upper

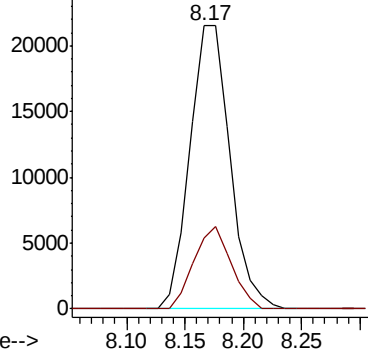
63 100

106 25.1 21.0 31.6

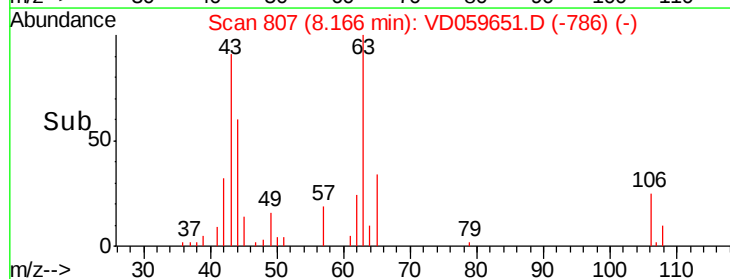


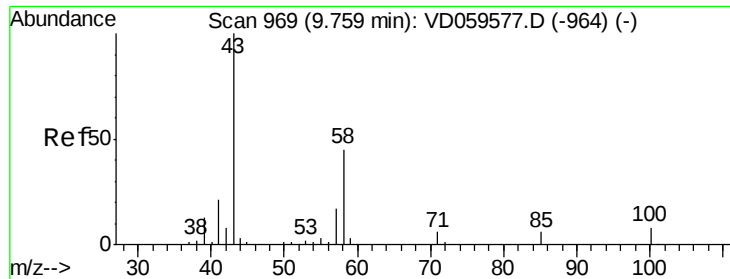
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



Time-->

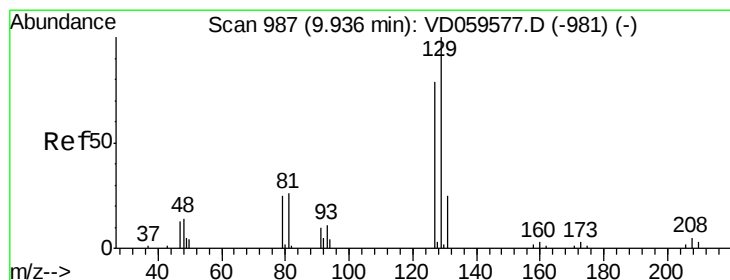
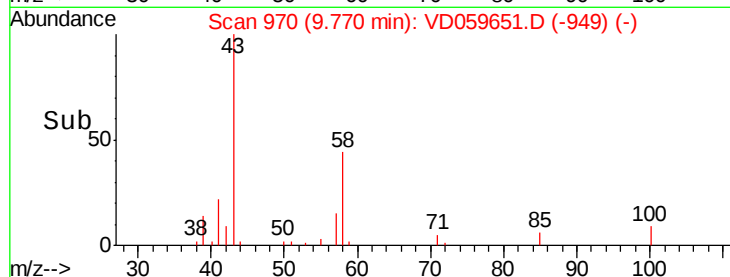
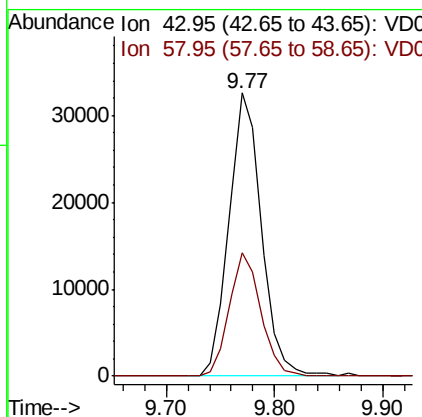
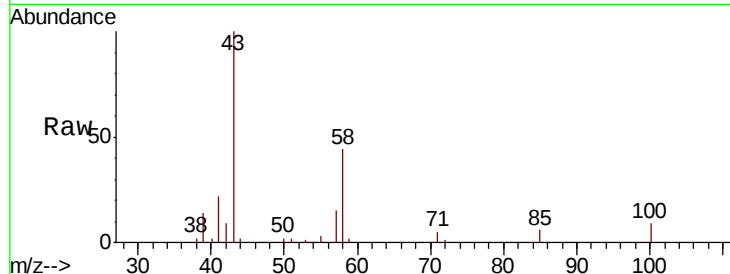




#59
2-Hexanone
Concen: 97.339 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

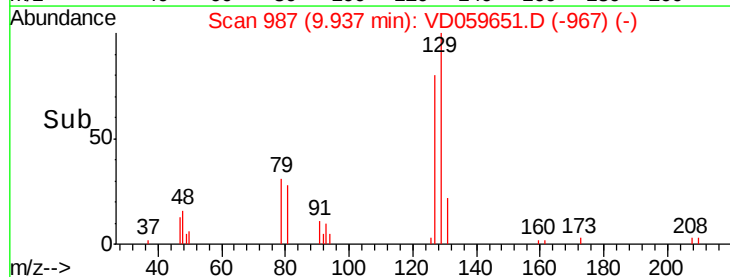
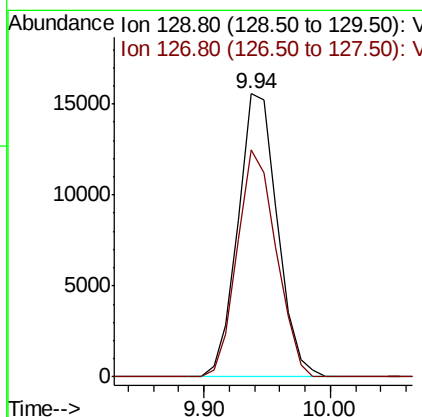
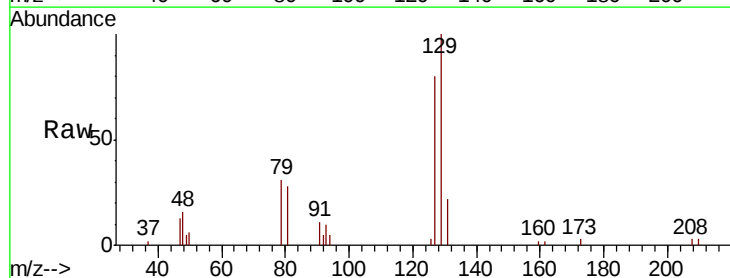
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

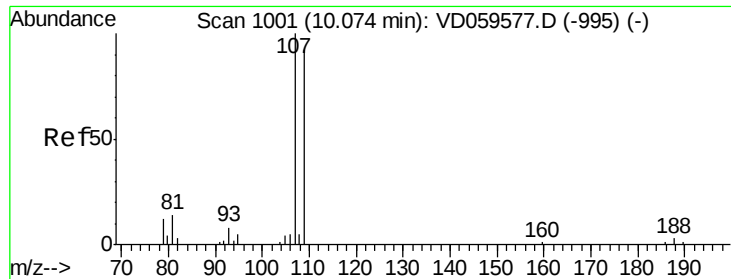
Tot Ion: 43 Resp: 67861
Ion Ratio Lower Upper
43 100
58 43.8 22.7 68.1



#60
Dibromochloromethane
Concen: 21.558 ug/l
RT: 9.94 min Scan# 987
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:129 Resp: 33689
Ion Ratio Lower Upper
129 100
127 80.1 39.3 117.9





#61

1,2-Dibromoethane

Concen: 22.109 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

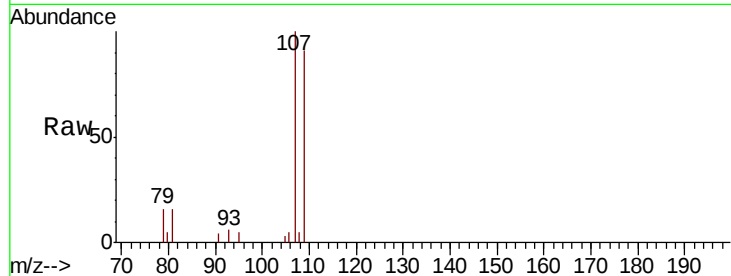
VD0731SBSD01

Tot Ion:107 Resp: 24663

Ion Ratio Lower Upper

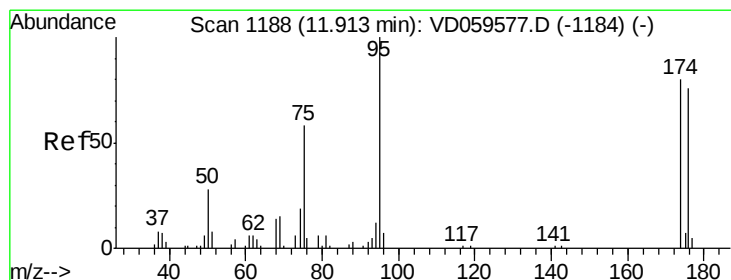
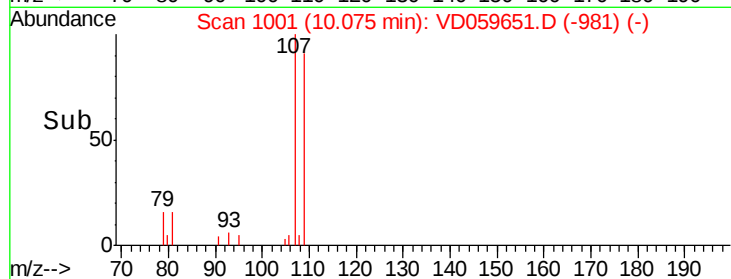
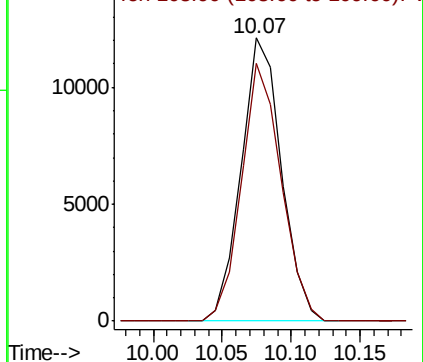
107 100

109 91.3 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.109 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

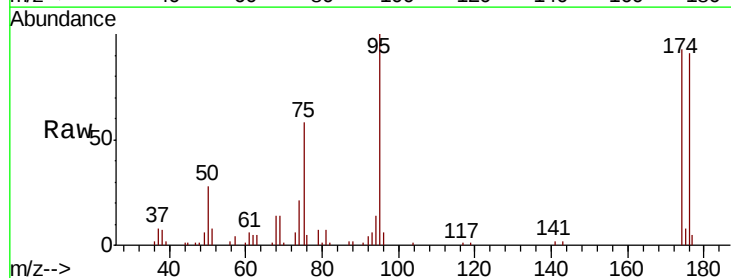
Tgt Ion: 95 Resp: 81354

Ion Ratio Lower Upper

95 100

174 92.8 0.0 160.6

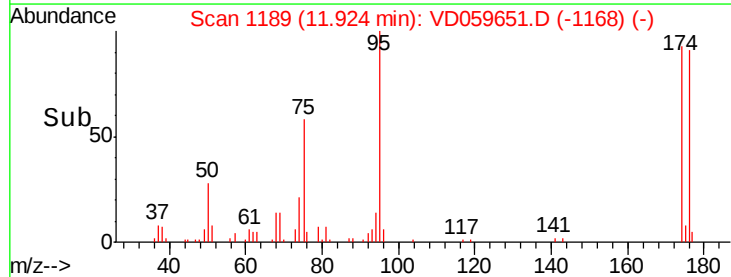
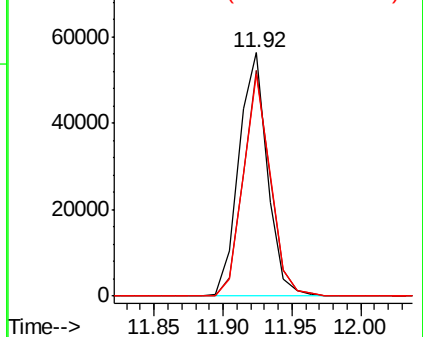
176 91.1 0.0 152.8

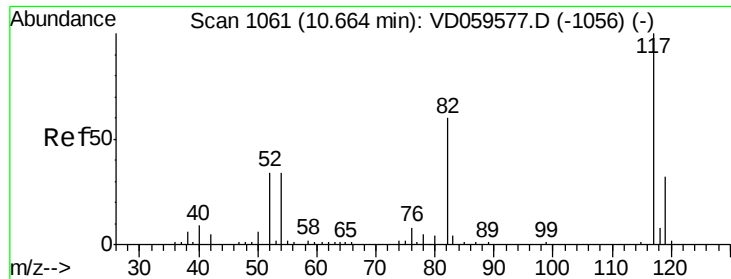


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

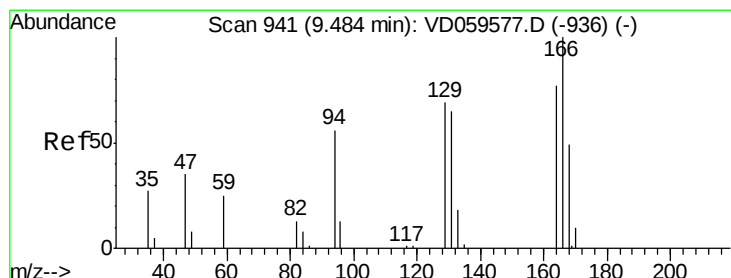
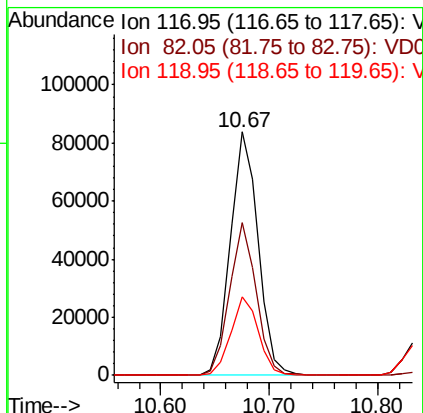
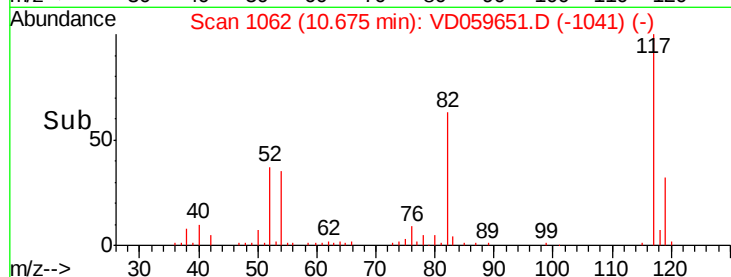
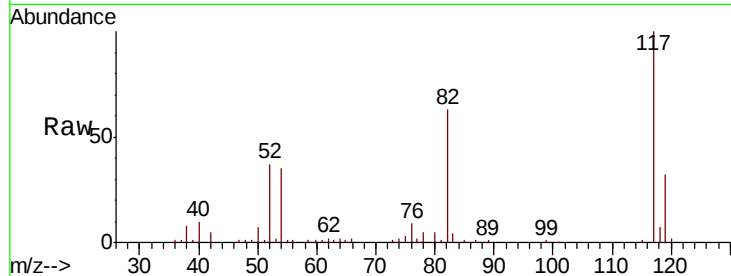




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

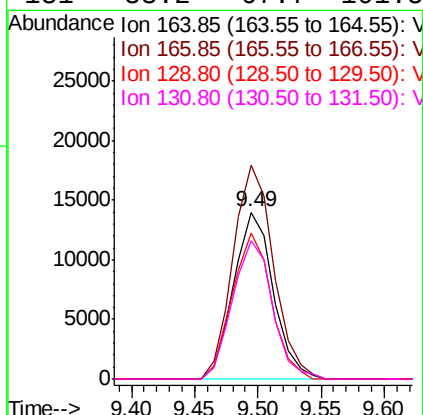
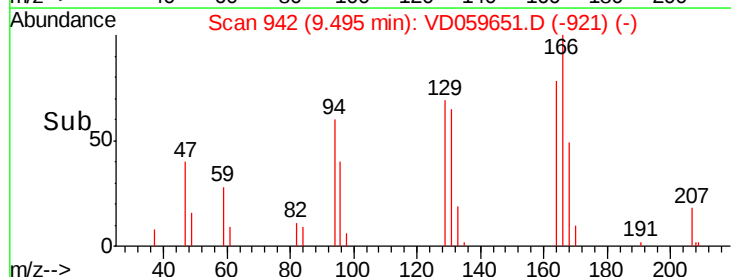
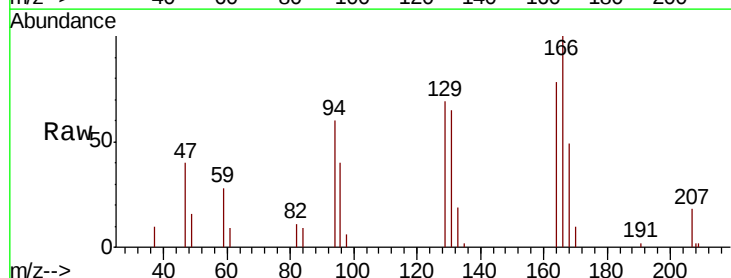
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

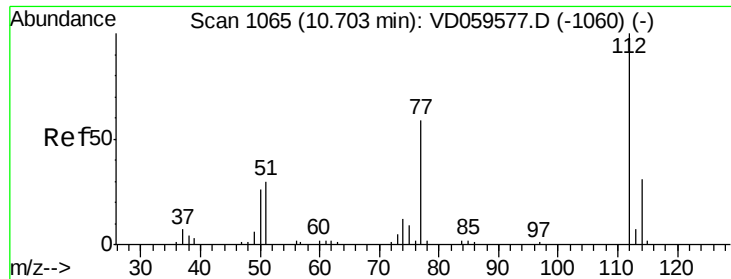
Tot Ion:117 Resp: 149180
Ion Ratio Lower Upper
117 100
82 62.6 48.2 72.2
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 22.431 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:164 Resp: 30324
Ion Ratio Lower Upper
164 100
166 128.3 104.0 156.0
129 88.1 72.2 108.4
131 83.2 67.7 101.5

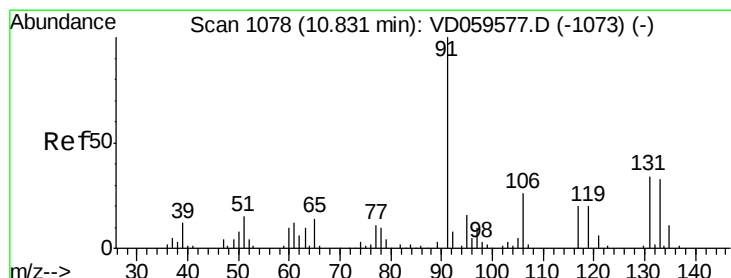
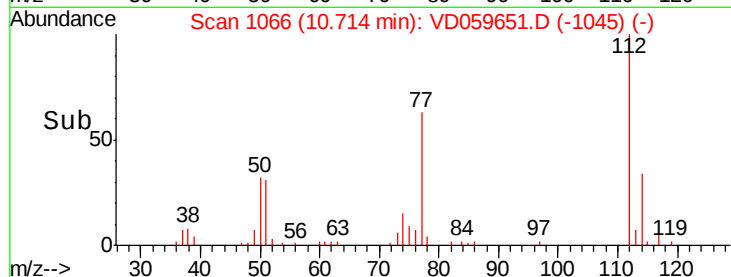
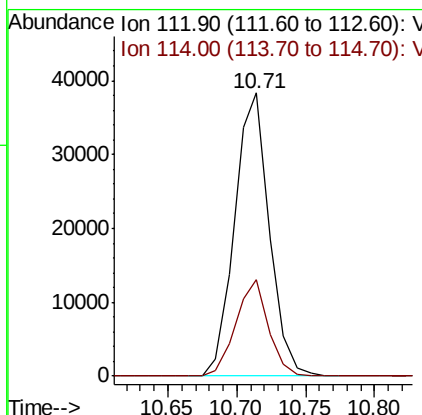
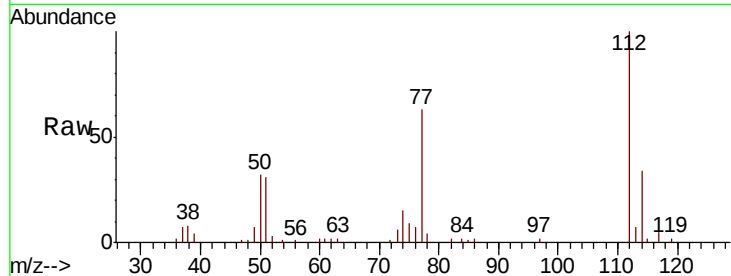




#65
Chlorobenzene
Concen: 21.930 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

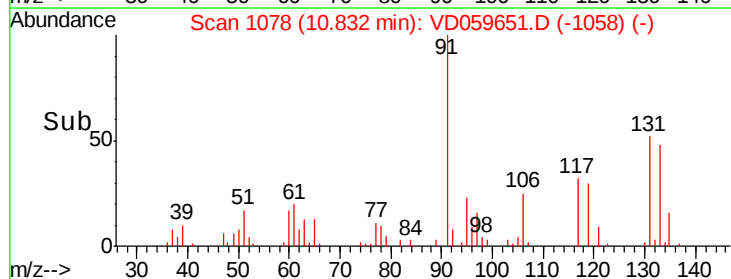
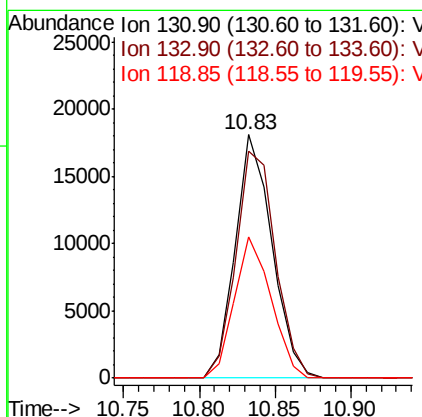
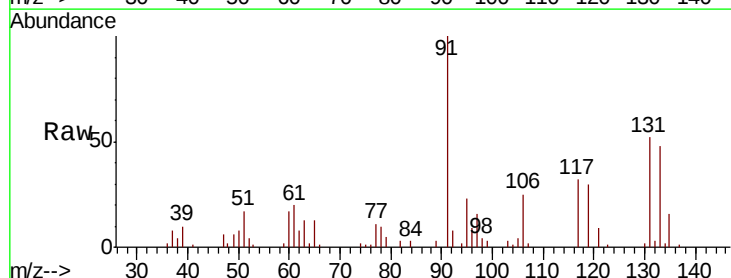
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

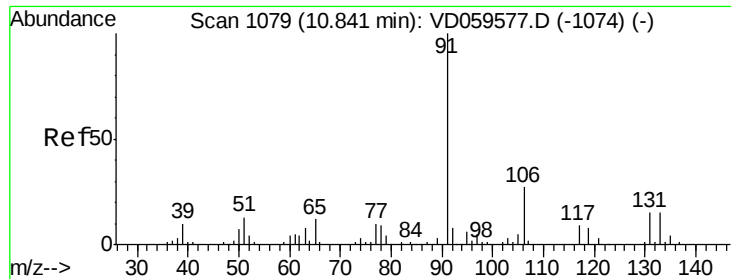
Tot Ion:112 Resp: 67063
Ion Ratio Lower Upper
112 100
114 34.1 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.010 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:131 Resp: 30609
Ion Ratio Lower Upper
131 100
133 93.0 47.9 143.7
119 58.0 28.7 86.1

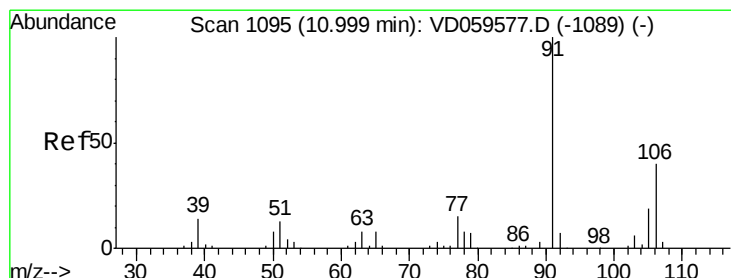
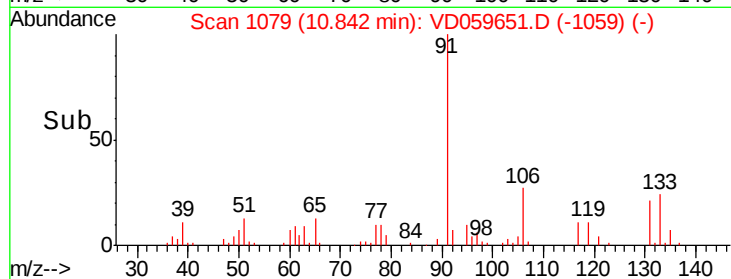
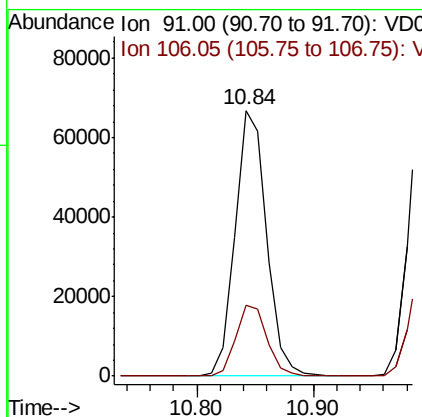
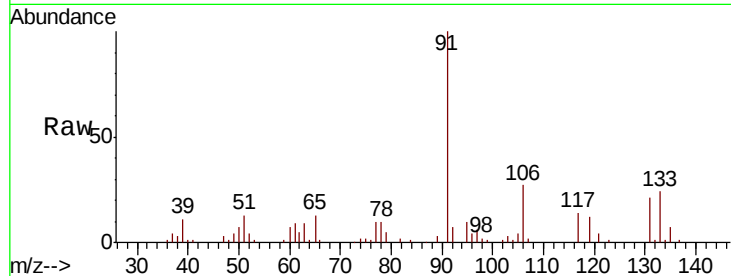




#67
Ethyl Benzene
Concen: 23.602 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

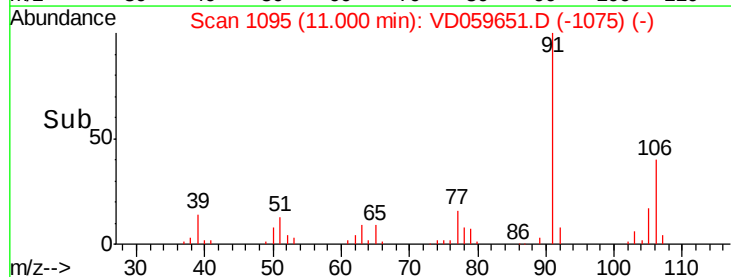
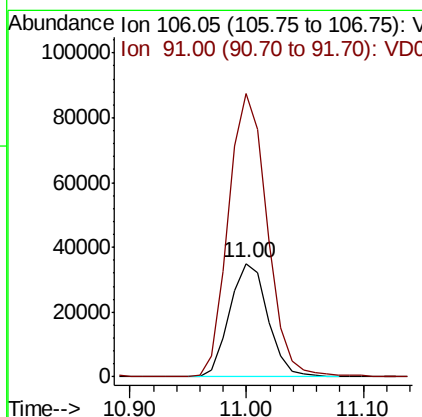
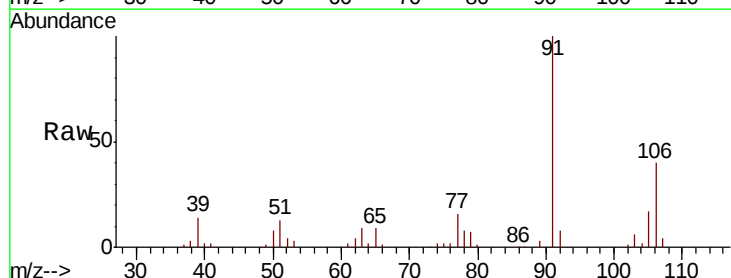
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion: 91 Resp: 124074
Ion Ratio Lower Upper
91 100
106 26.7 21.6 32.4



#68
m/p-Xylenes
Concen: 45.002 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 106 Resp: 79009
Ion Ratio Lower Upper
106 100
91 250.1 198.2 297.4

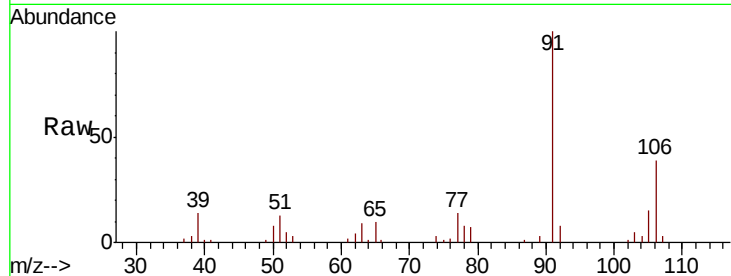




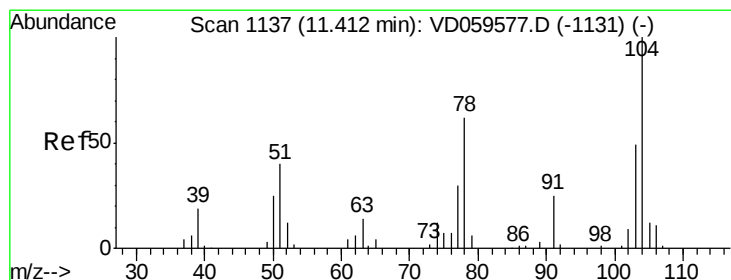
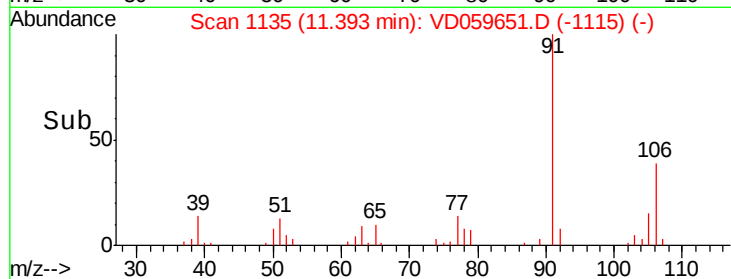
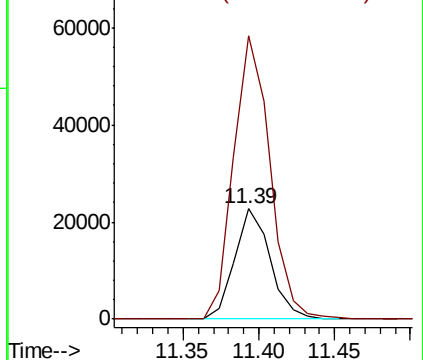
#69
o-Xylene
Concen: 21.700 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion:106 Resp: 36968
Ion Ratio Lower Upper
106 100
91 256.5 122.7 368.1

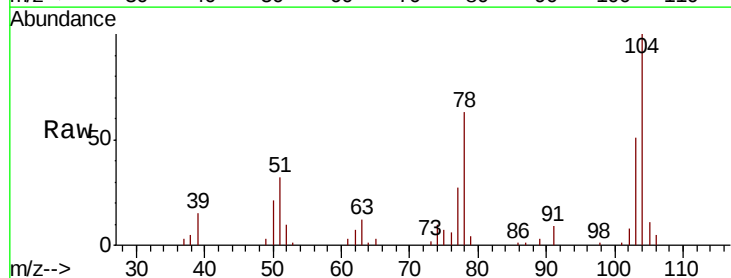


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

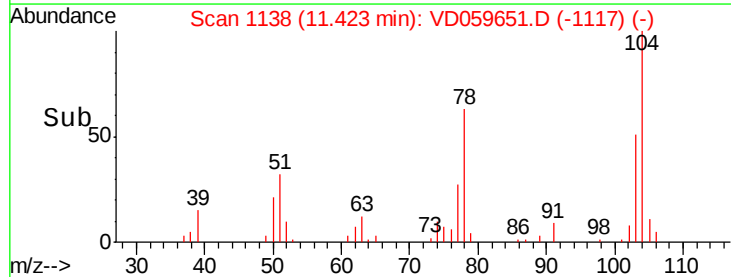
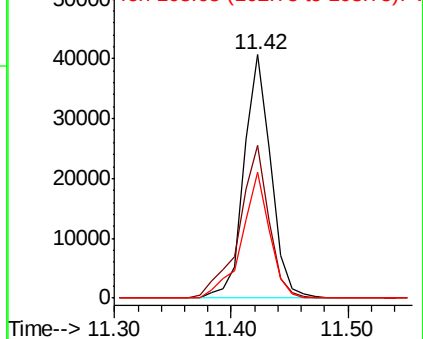


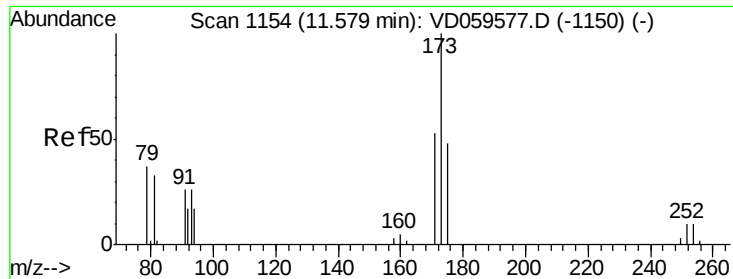
#70
Styrene
Concen: 22.962 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:104 Resp: 64859
Ion Ratio Lower Upper
104 100
78 62.5 49.4 74.0
103 51.5 39.0 58.6



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

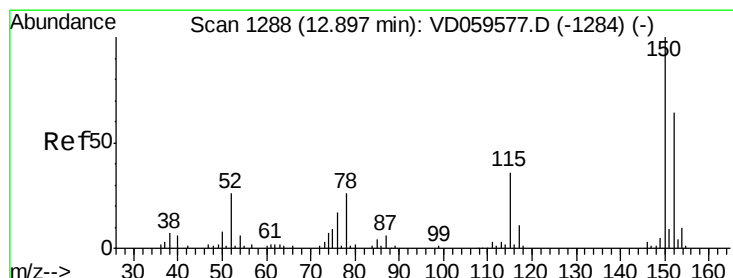
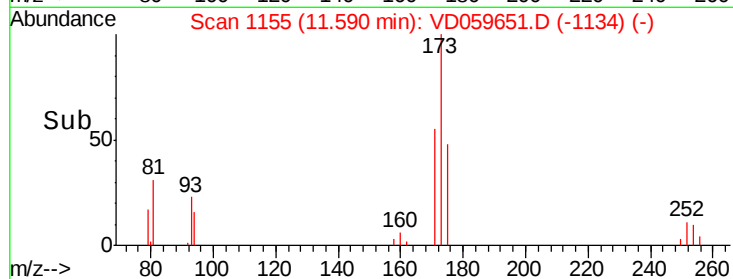
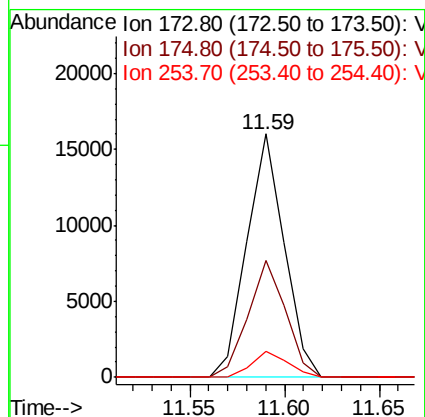
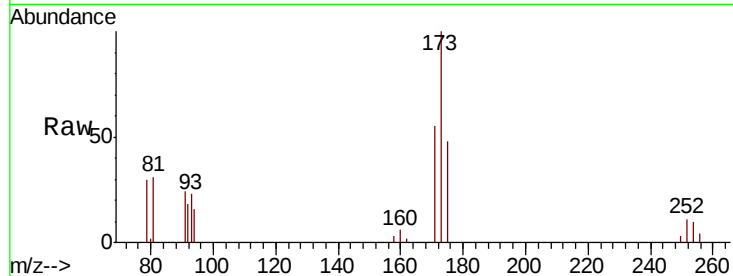




#71
Bromoform
Concen: 20.274 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

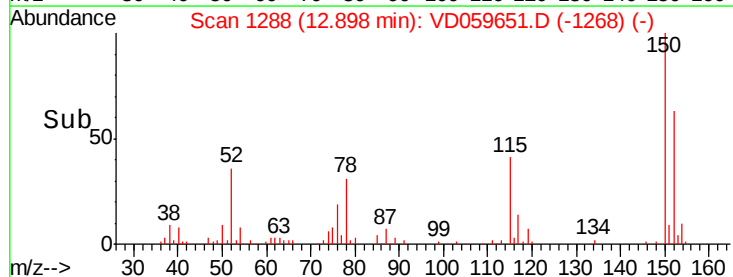
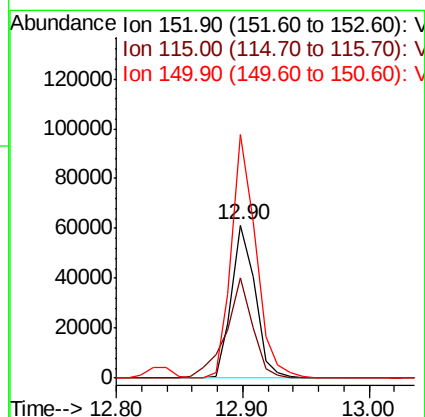
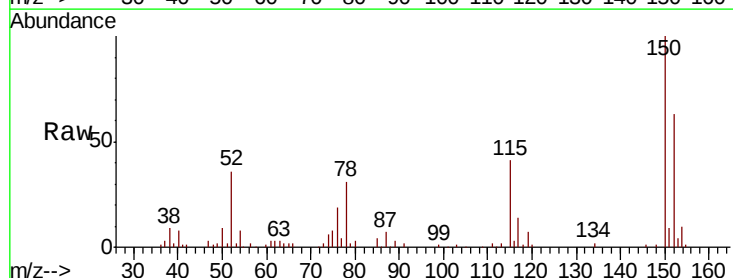
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

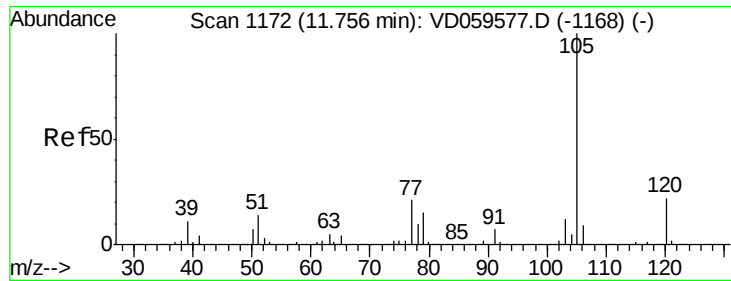
Tot Ion:173 Resp: 21960
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.4
254 10.4 7.8 11.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:152 Resp: 79778
Ion Ratio Lower Upper
152 100
115 65.5 29.5 88.6
150 159.3 0.0 314.4





#73

Isopropylbenzene

Concen: 21.170 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

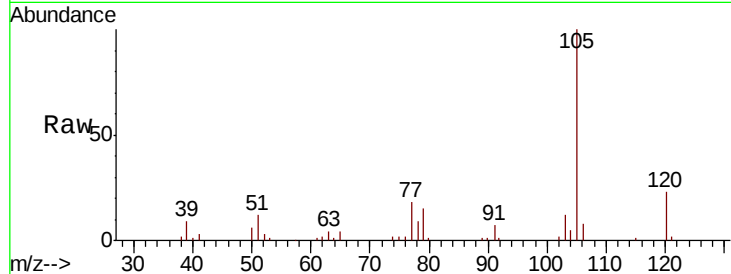
VD0731SBS01

Tot Ion:105 Resp: 119315

Ion Ratio Lower Upper

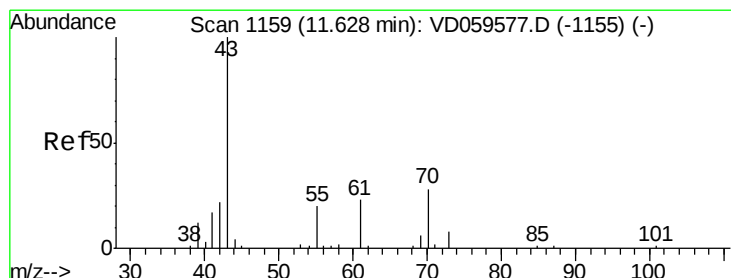
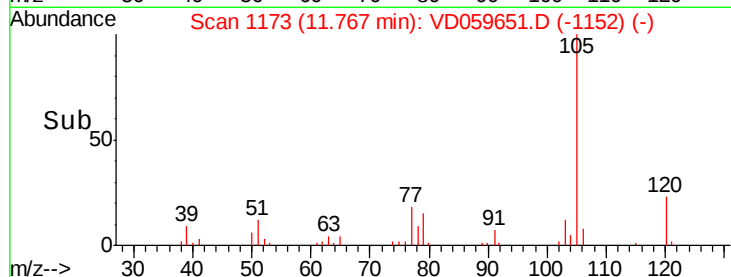
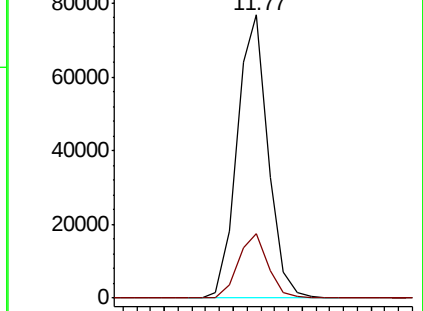
105 100

120 22.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.865 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Tgt Ion: 43 Resp: 34498

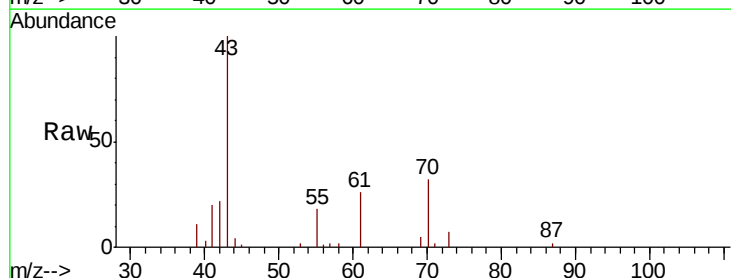
Ion Ratio Lower Upper

43 100

70 31.6 22.0 33.0

55 18.2 16.2 24.2

61 25.7 18.6 27.8

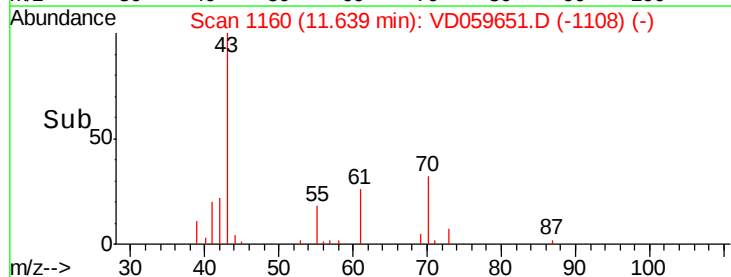
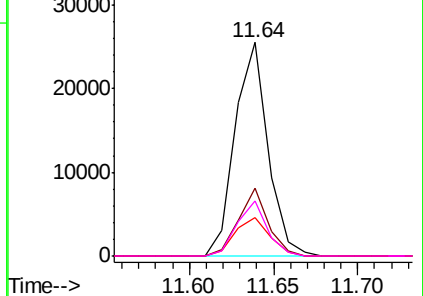


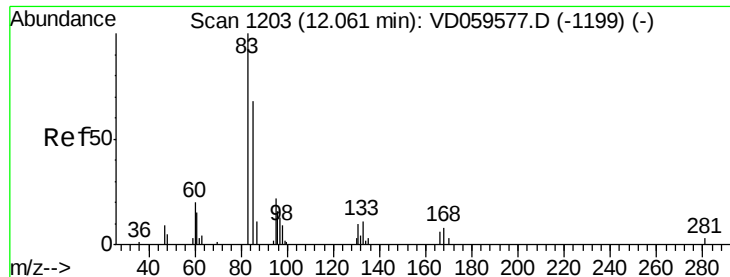
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.520 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

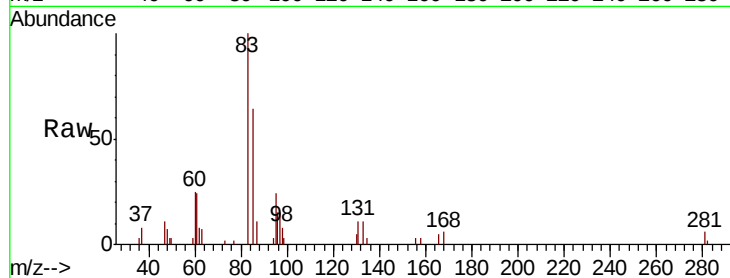
Tot Ion: 83 Resp: 22461

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.2

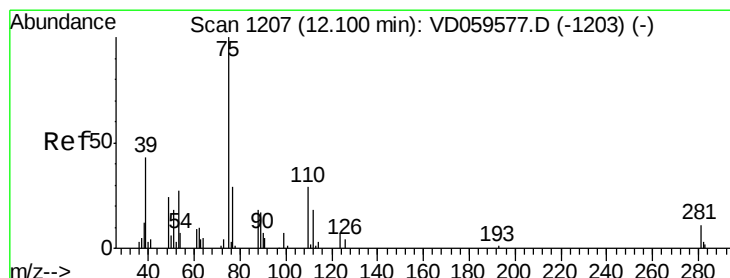
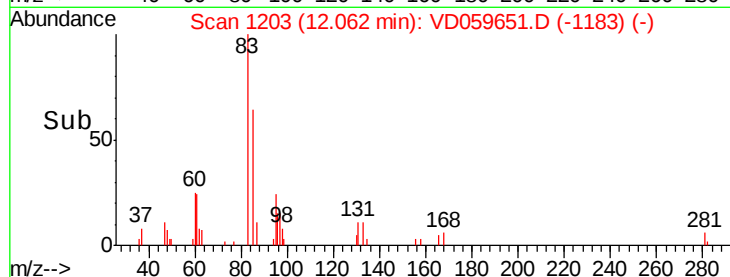
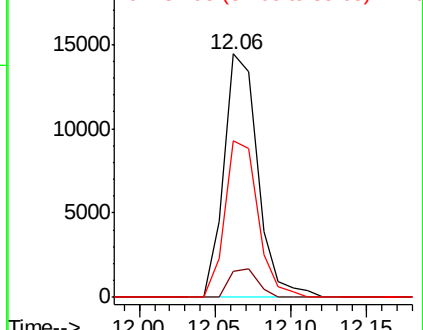
85 64.4 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.769 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059651.D

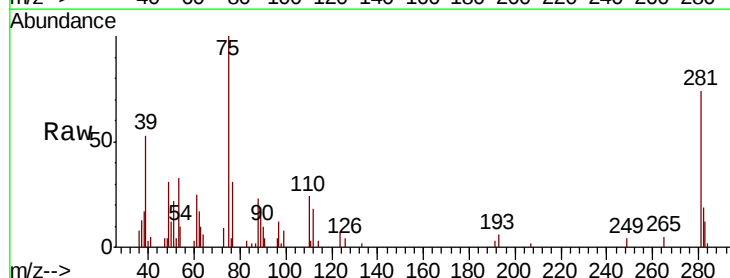
Acq: 31 Jul 2018 13:58

Tgt Ion: 75 Resp: 27400

Ion Ratio Lower Upper

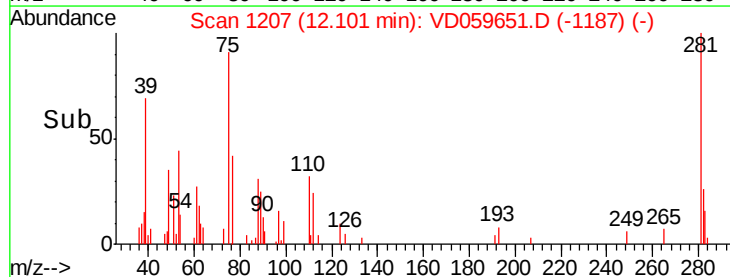
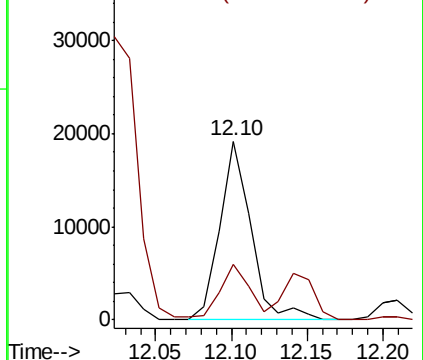
75 100

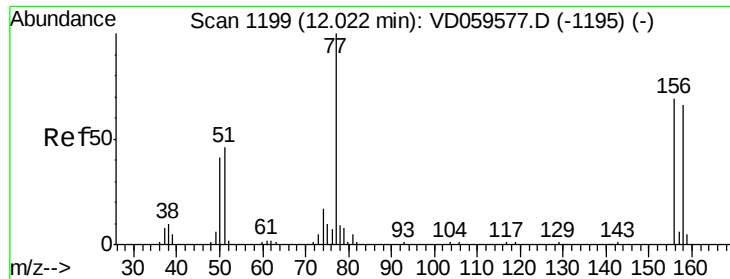
77 30.9 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.592 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

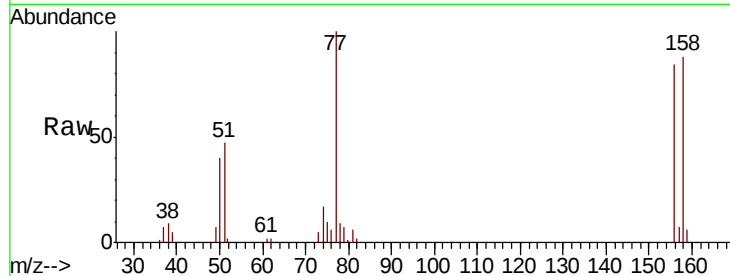
Tot Ion:156 Resp: 33973

Ion Ratio Lower Upper

156 100

77 119.4 72.4 217.2

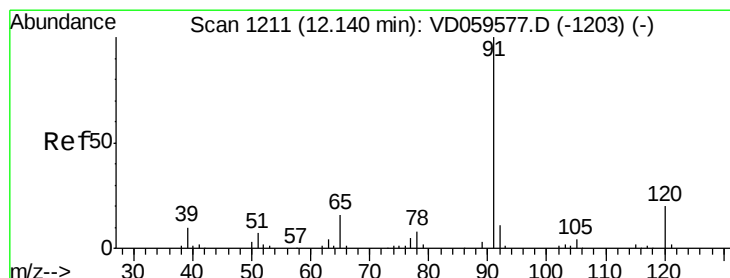
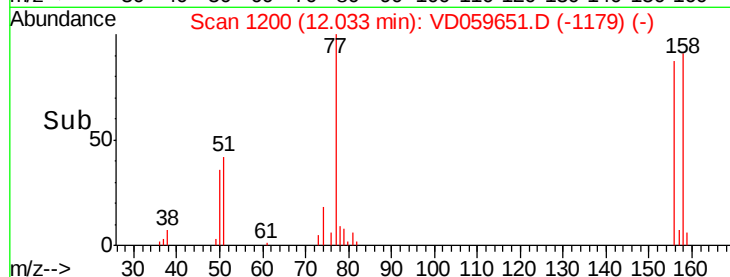
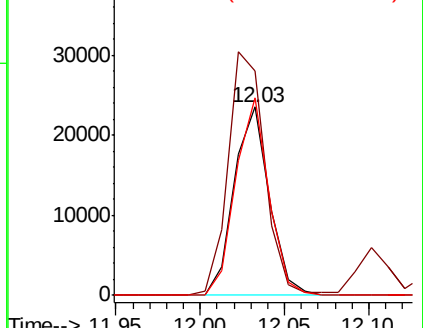
158 104.8 48.0 144.2



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: 21.452 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059651.D

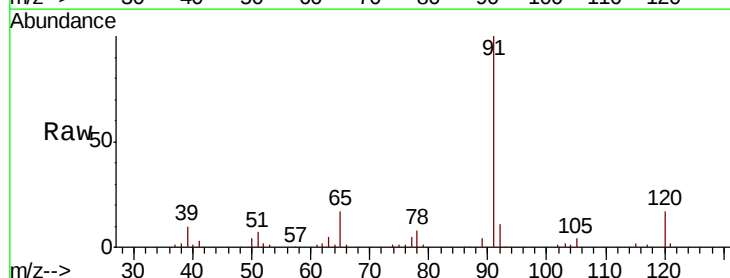
Acq: 31 Jul 2018 13:58

Tgt Ion: 91 Resp: 146900

Ion Ratio Lower Upper

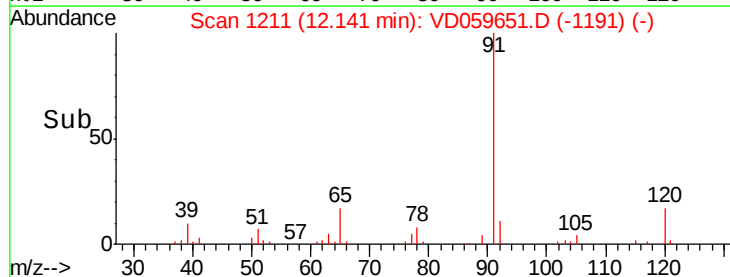
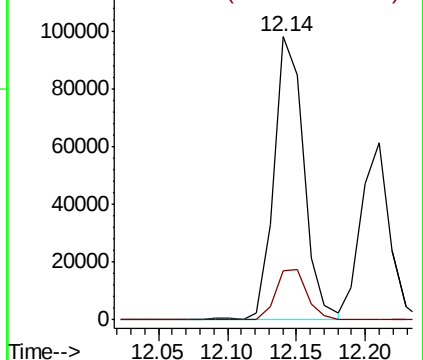
91 100

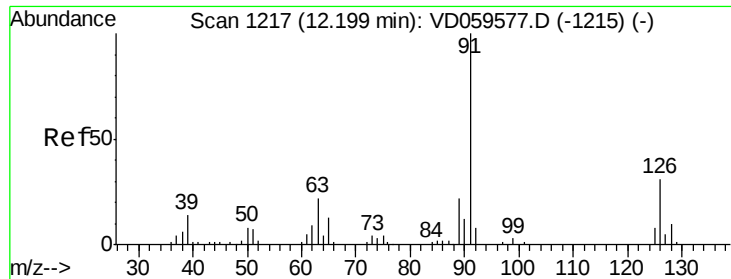
120 17.3 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

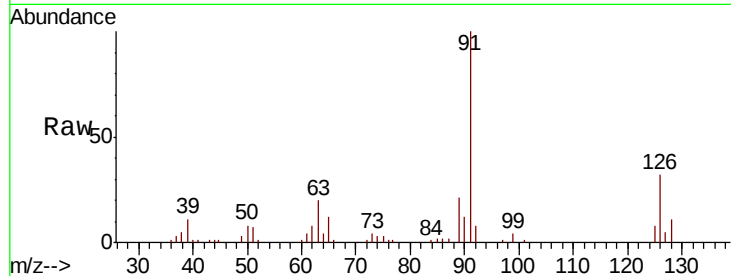




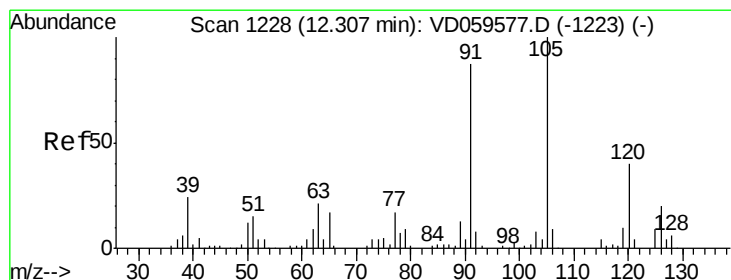
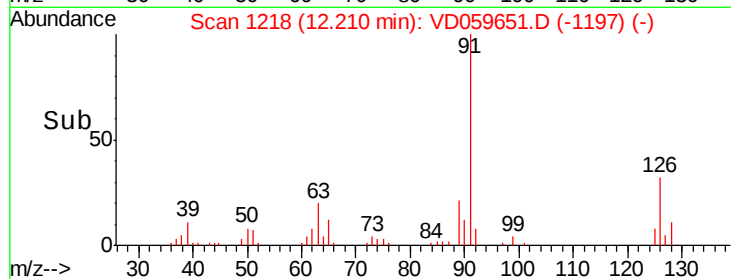
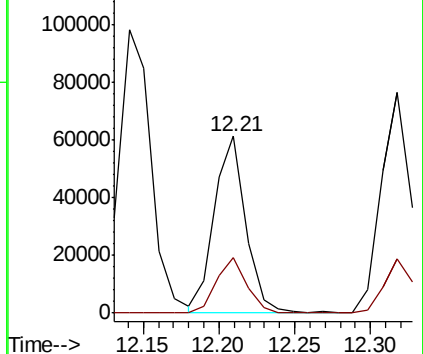
#79
 2-Chlorotoluene
 Concen: 21.806 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion: 91 Resp: 89027
 Ion Ratio Lower Upper
 91 100
 126 31.7 14.5 43.6

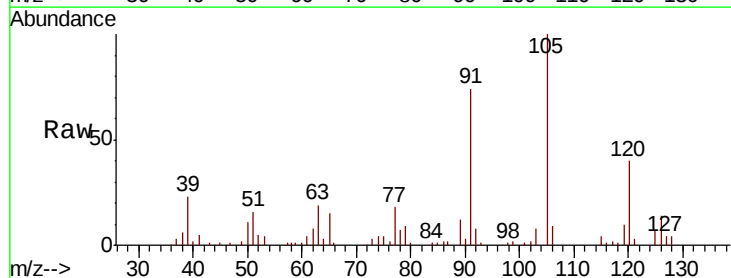


Abundance Ion 91.00 (90.70 to 91.70): VD059577.D (-1215) (-)
 Ion 125.95 (125.65 to 126.65): VD059577.D (-1215) (-)

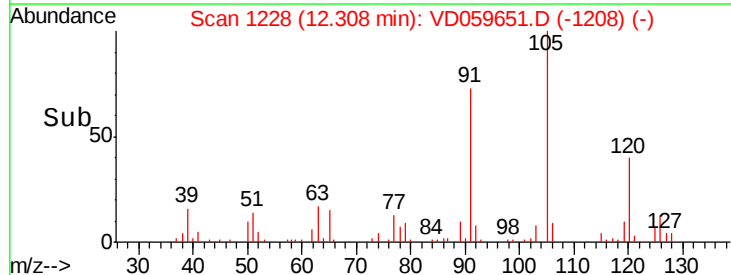
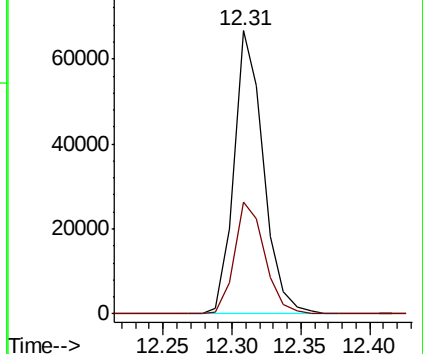


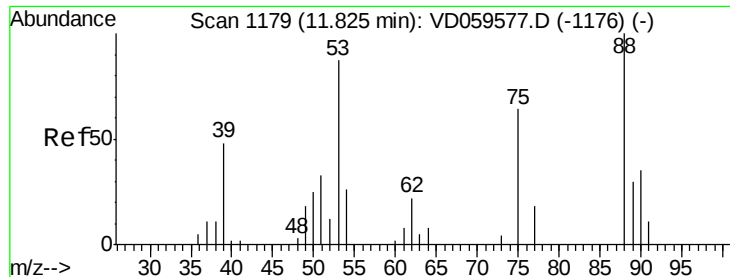
#80
 1,3,5-Trimethylbenzene
 Concen: 22.215 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 105 Resp: 98850
 Ion Ratio Lower Upper
 105 100
 120 39.6 19.9 59.6



Abundance Ion 105.05 (104.75 to 105.75): VD059577.D (-1223) (-)
 Ion 120.05 (119.75 to 120.75): VD059577.D (-1223) (-)

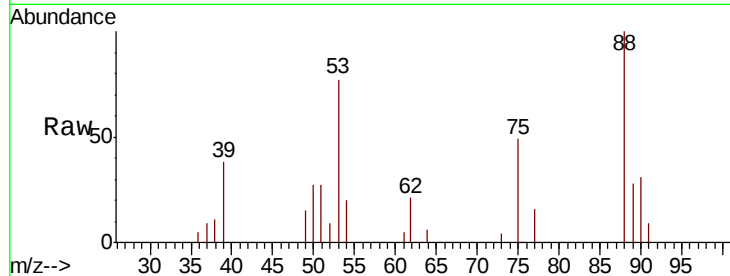




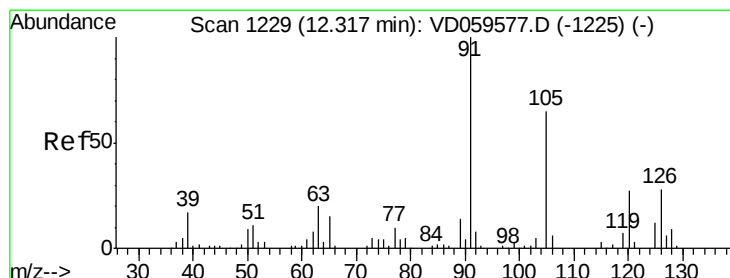
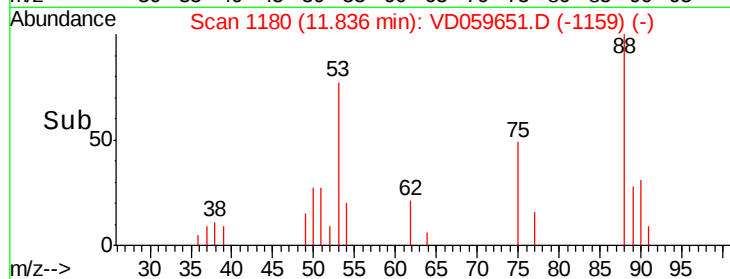
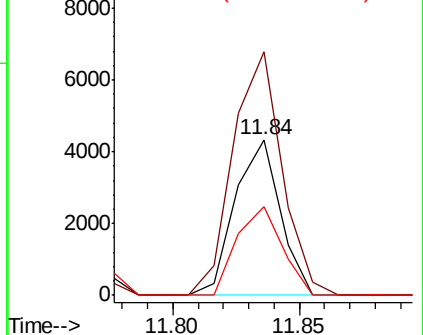
#81
trans-1,4-Dichloro-2-butene
Concen: 16.009 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion: 75 Resp: 5400
Ion Ratio Lower Upper
75 100
53 156.4 107.7 161.5
89 57.2 37.3 55.9#

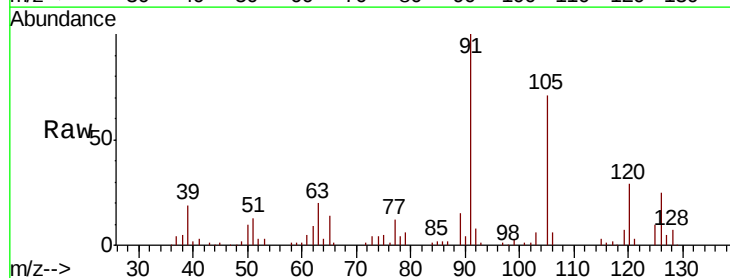


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

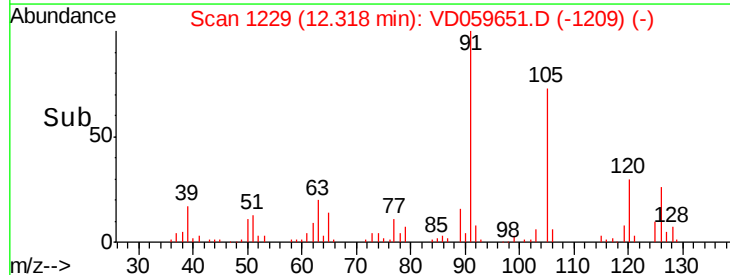
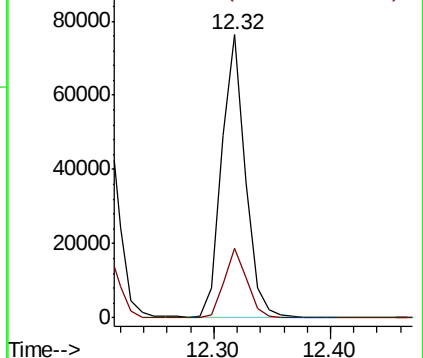


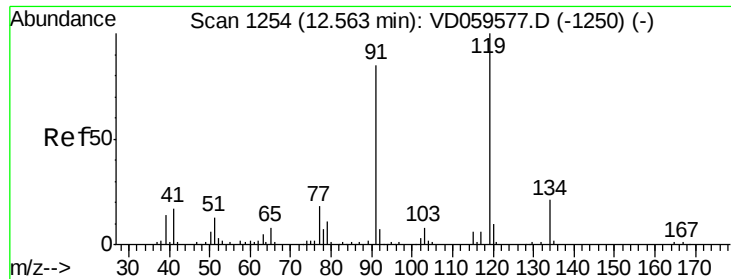
#82
4-Chlorotoluene
Concen: 23.287 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 91 Resp: 107516
Ion Ratio Lower Upper
91 100
126 24.7 14.1 42.4



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





#83

tert-Butylbenzene

Concen: 21.182 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. 0.00 min

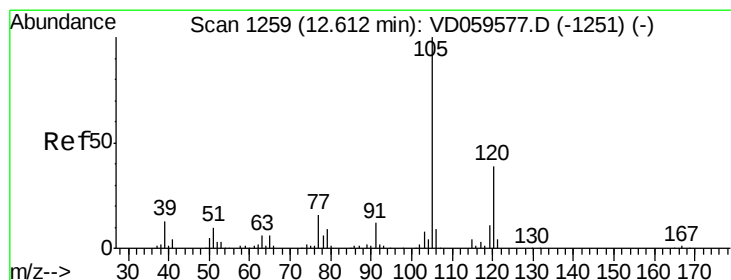
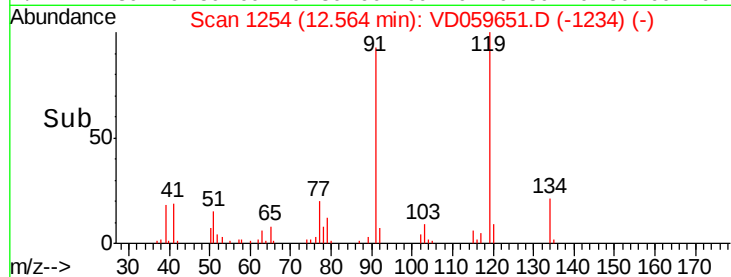
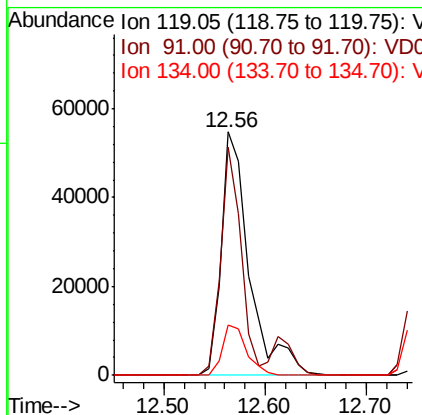
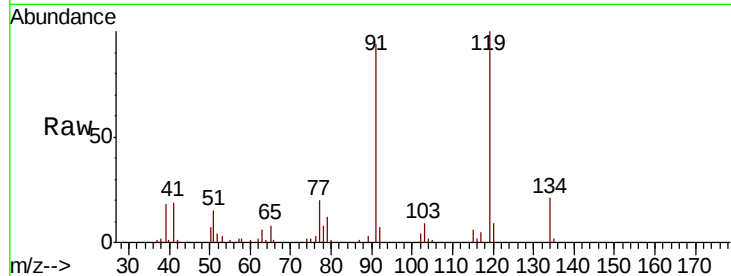
Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion:119 Resp: 106111

Ion	Ratio	Lower	Upper
119	100		
91	94.0	42.5	127.5
134	20.7	10.5	31.6



#84

1,2,4-Trimethylbenzene

Concen: 20.677 ug/l

RT: 12.61 min Scan# 1259

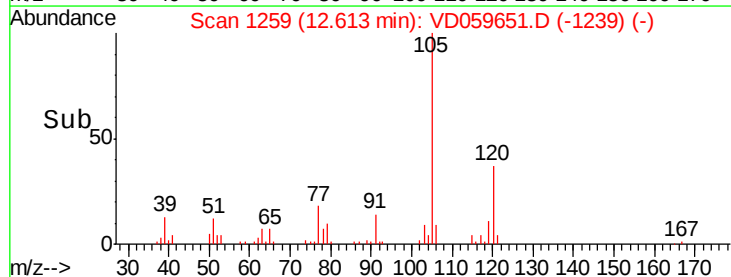
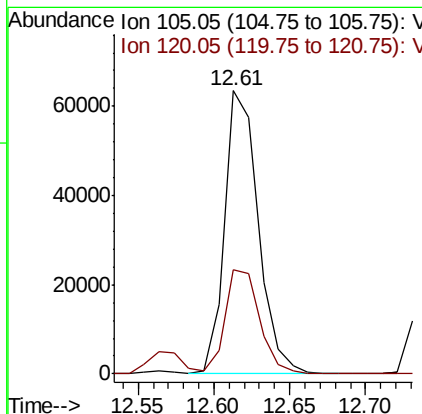
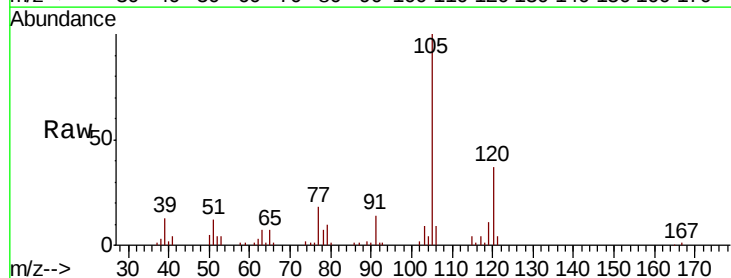
Delta R.T. 0.00 min

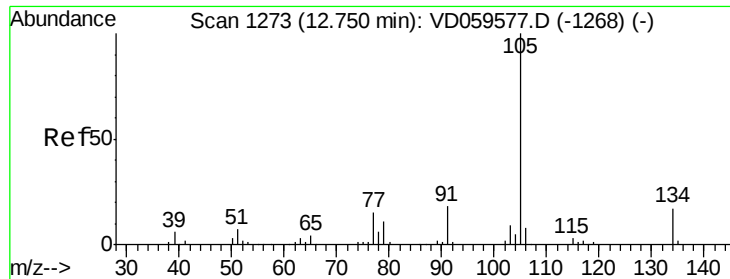
Lab File: VD059651.D

Acq: 31 Jul 2018 13:58

Tgt Ion:105 Resp: 97803

Ion	Ratio	Lower	Upper
105	100		
120	37.0	19.3	57.9

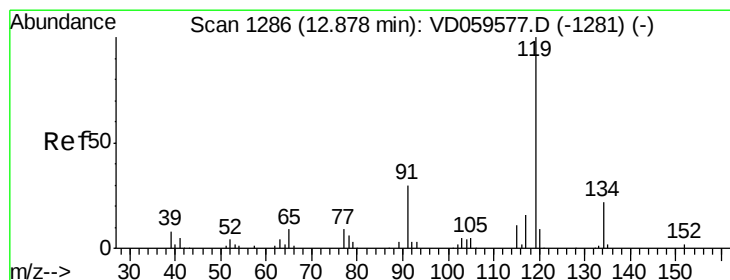
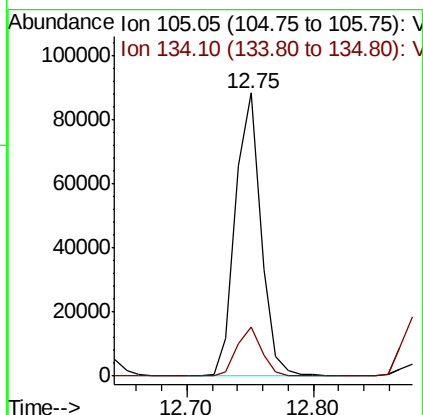
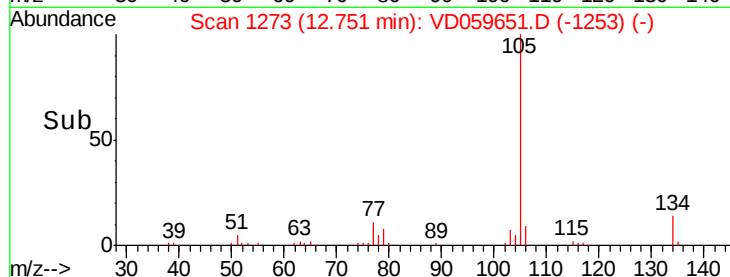
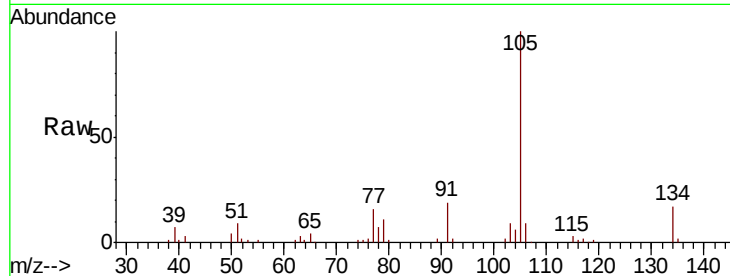




#85
 sec-Butylbenzene
 Concen: 21.528 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

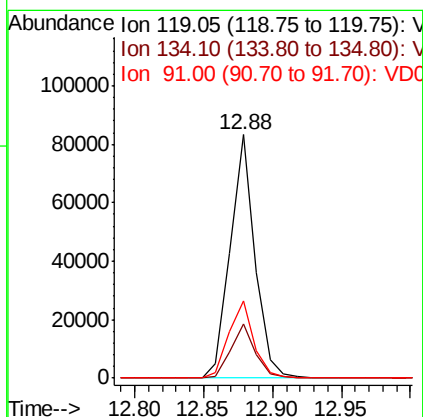
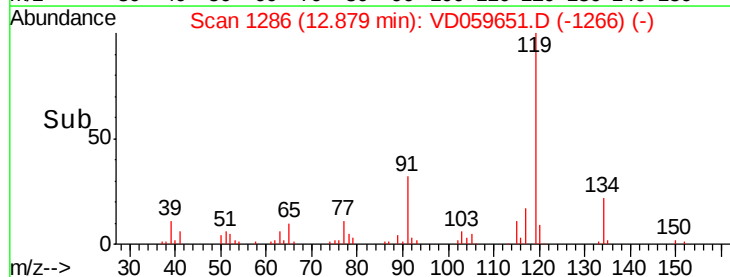
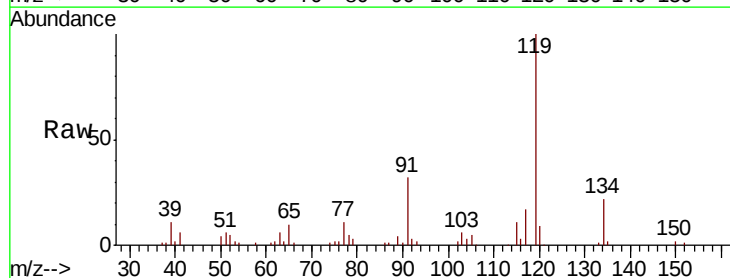
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

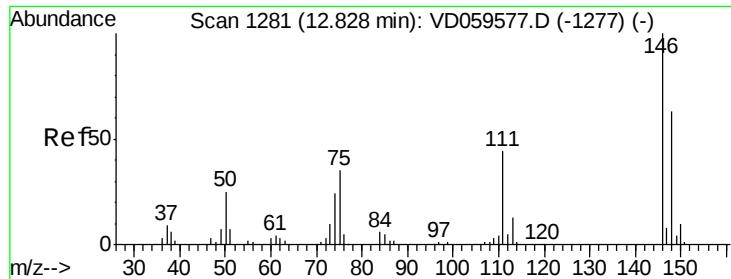
Tot Ion:105 Resp: 123232
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 21.518 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion:119 Resp: 103812
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.2 33.6
 91 31.6 15.0 45.1

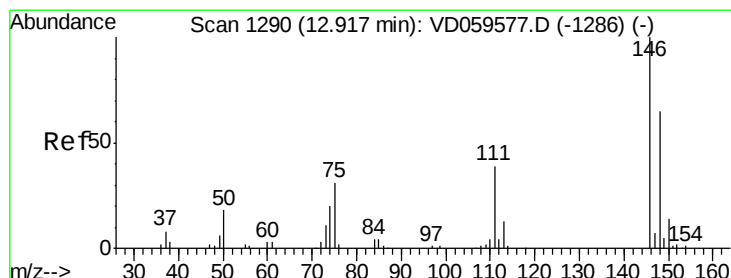
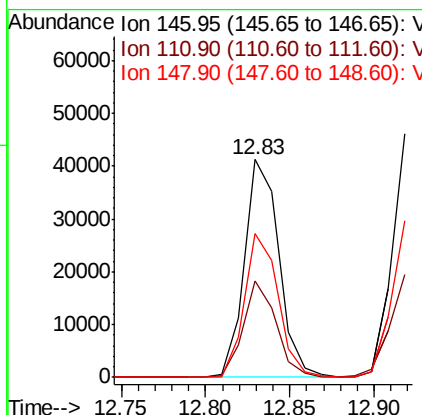
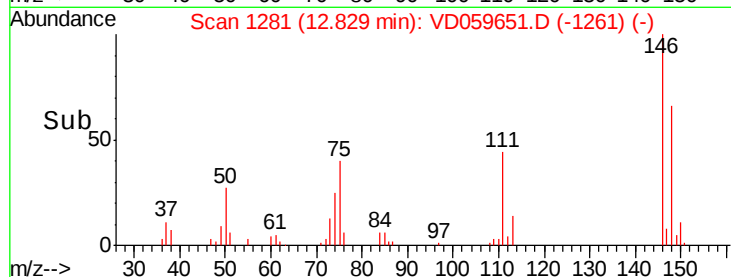
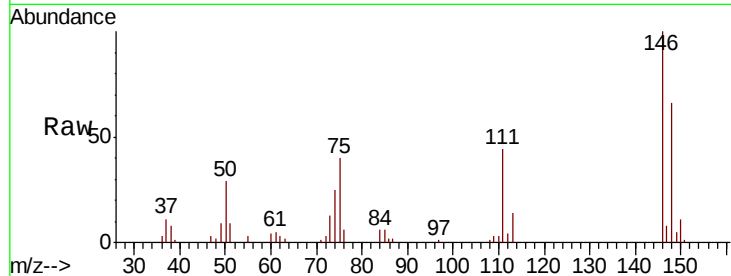




#87
 1,3-Dichlorobenzene
 Concen: 20.965 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

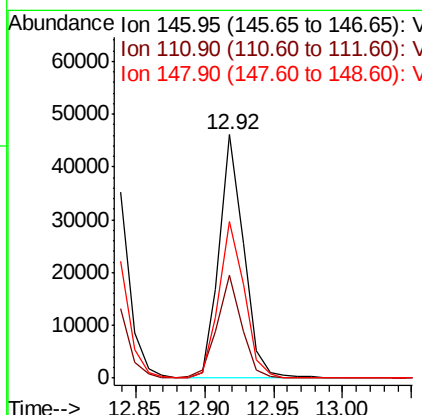
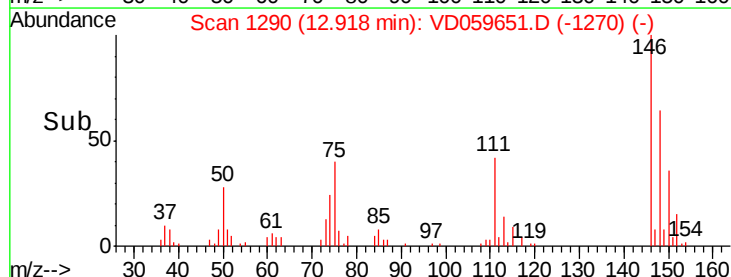
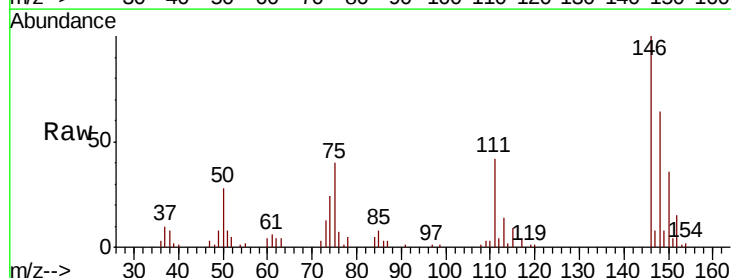
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

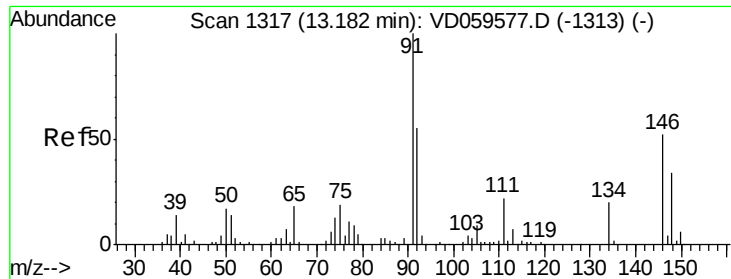
Tot Ion:146 Resp: 58499
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.2 66.6
 148 66.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.283 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion:146 Resp: 57215
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.3 57.9
 148 64.1 32.4 97.2

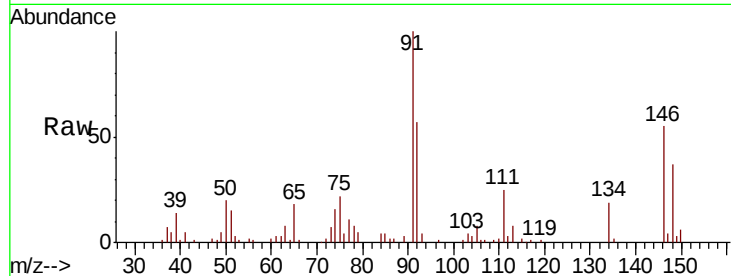




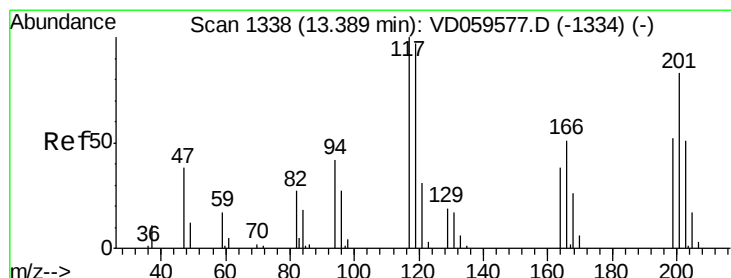
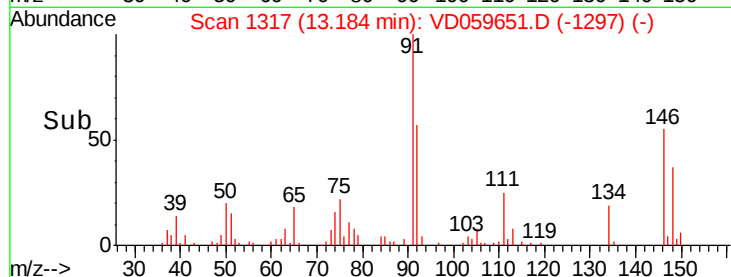
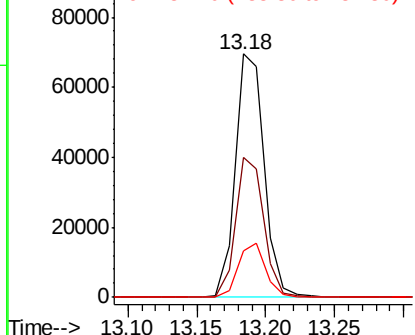
#89
n-Butylbenzene
Concen: 21.731 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion: 91 Resp: 101219
Ion Ratio Lower Upper
91 100
92 57.4 27.6 82.7
134 19.1 10.1 30.3

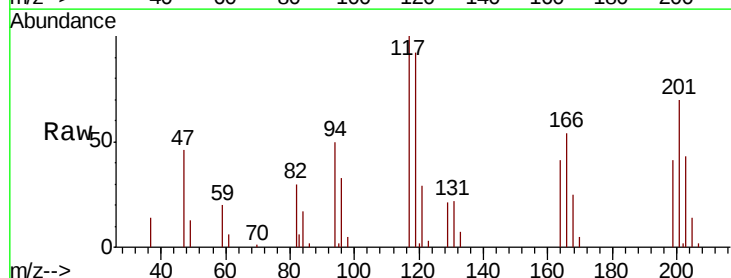


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

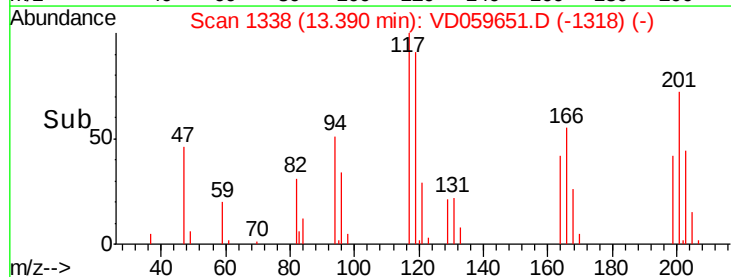
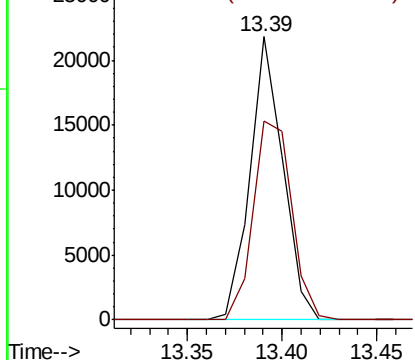


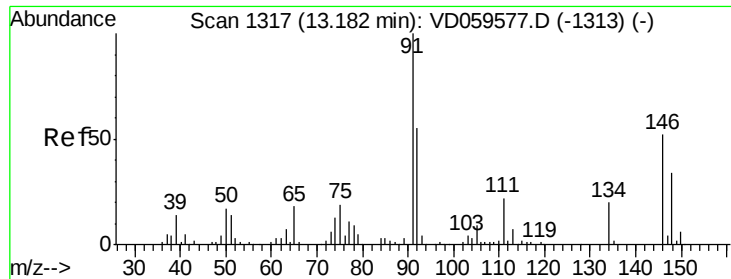
#90
Hexachloroethane
Concen: 20.341 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion: 117 Resp: 26222
Ion Ratio Lower Upper
117 100
201 70.3 41.5 124.5



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

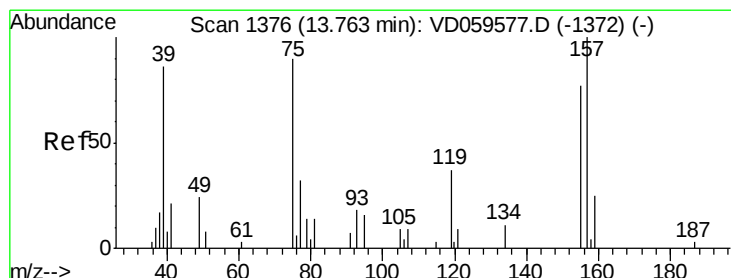
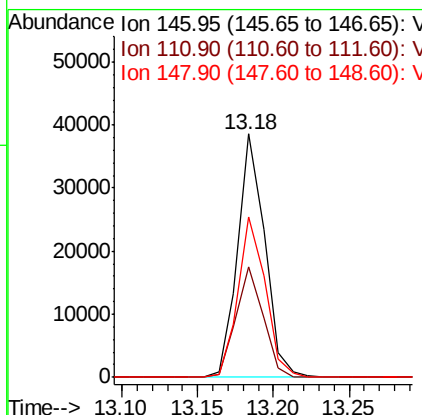
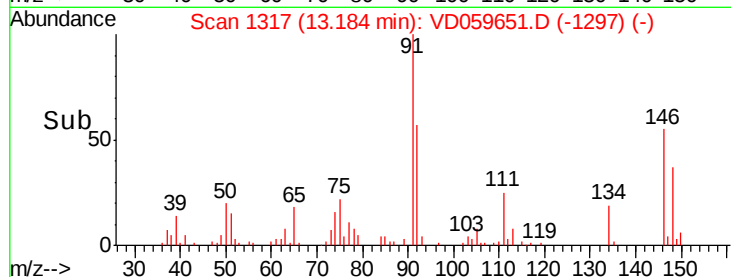
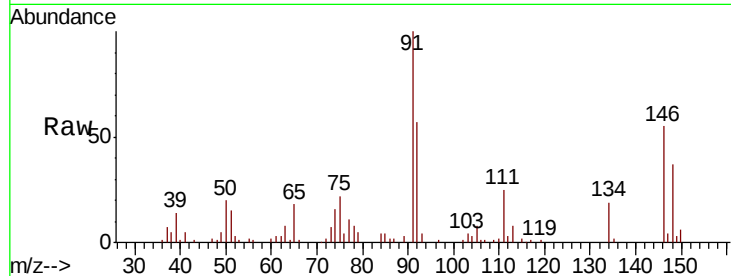




#91
 1,2-Dichlorobenzene
 Concen: 20.499 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

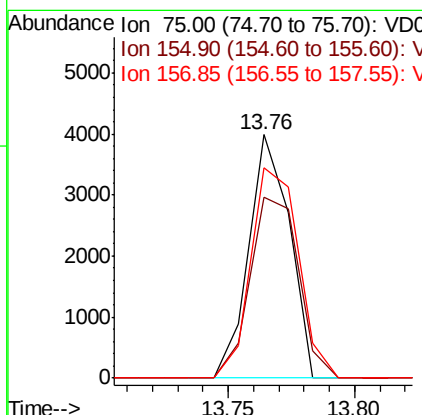
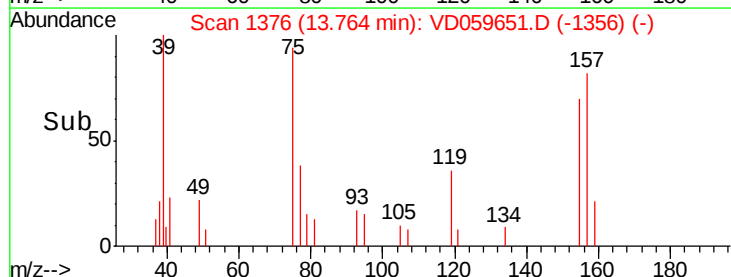
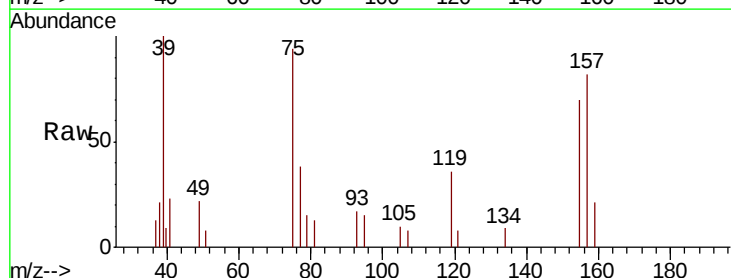
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

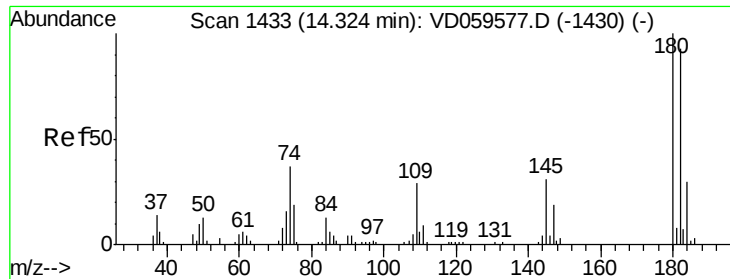
Tot Ion:146 Resp: 47994
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.4 64.3
 148 66.0 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.321 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion: 75 Resp: 4482
 Ion Ratio Lower Upper
 75 100
 155 74.3 42.5 127.5
 157 86.6 55.5 166.3

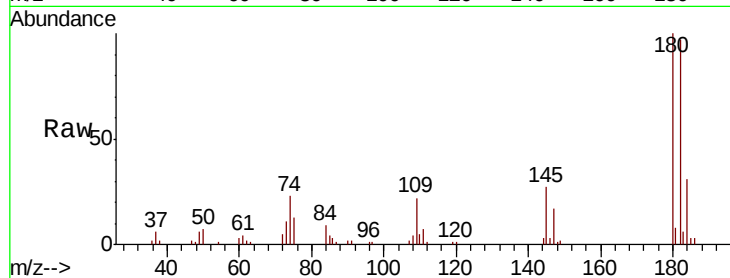




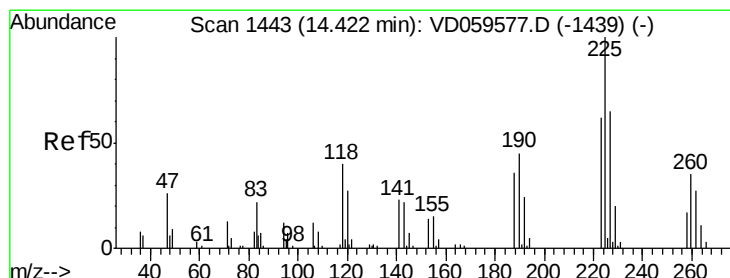
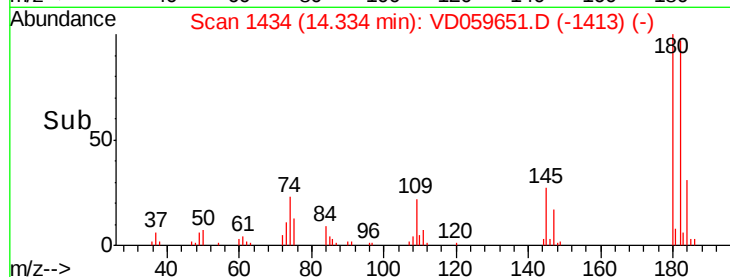
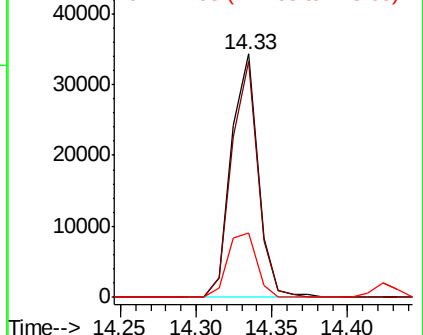
#93
 1,2,4-Trichlorobenzene
 Concen: 21.698 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion:180 Resp: 42068
 Ion Ratio Lower Upper
 180 100
 182 96.9 46.4 139.2
 145 26.7 15.7 47.0

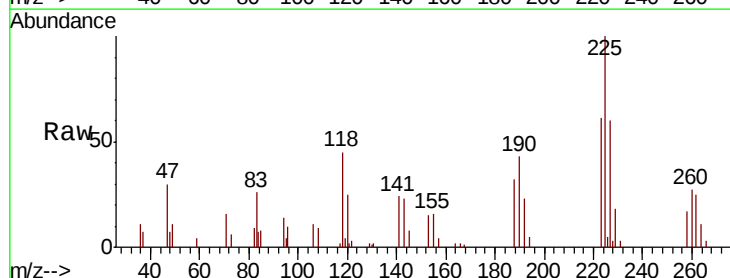


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

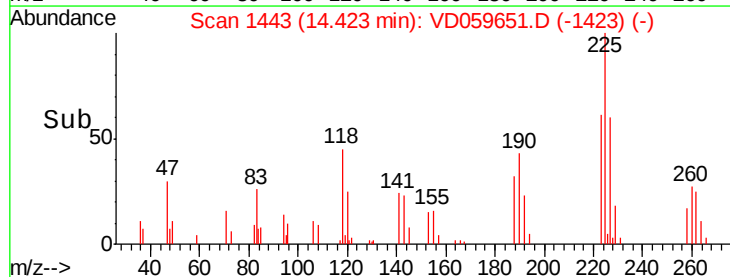
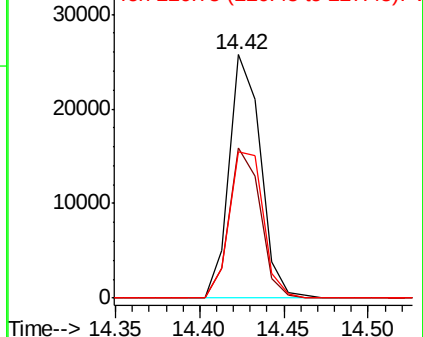


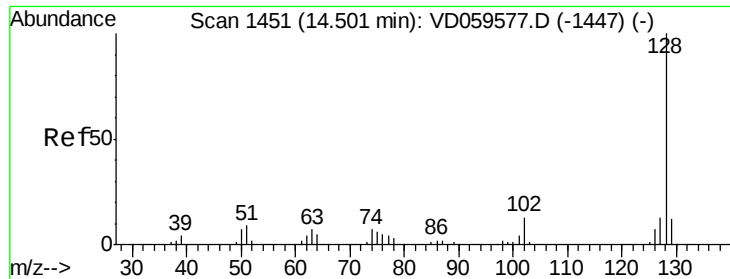
#94
 Hexachlorobutadiene
 Concen: 21.842 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059651.D
 Acq: 31 Jul 2018 13:58

Tgt Ion:225 Resp: 33404
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 60.4 32.4 97.2



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

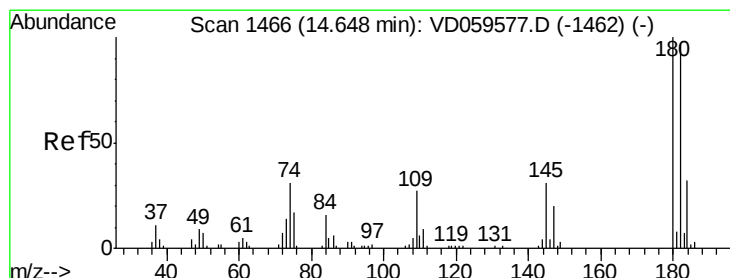
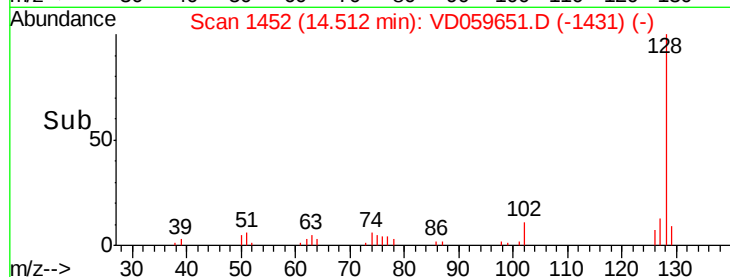
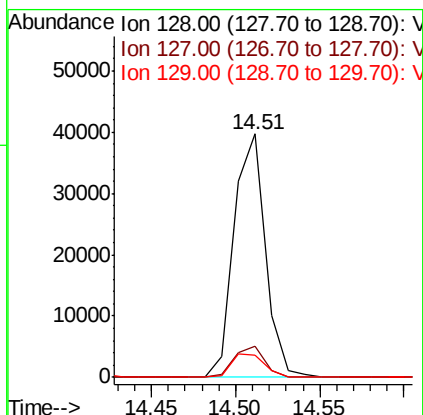
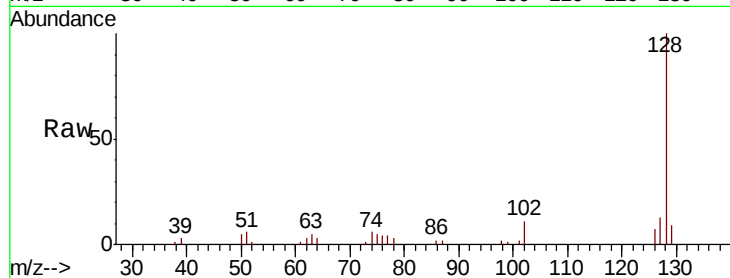




#95
Naphthalene
Concen: 18.634 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

Tot Ion:128 Resp: 51381
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 9.3 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.434 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059651.D
Acq: 31 Jul 2018 13:58

Tgt Ion:180 Resp: 35850
Ion Ratio Lower Upper
180 100
182 97.4 48.6 145.9
145 35.6 15.6 46.7

