

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
 Data File : VD059619.D
 Acq On : 27 Jul 2018 18:52
 Operator : VA/AP
 Sample : VD0727SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Quant Time: Jul 28 01:26:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	126271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	158036	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	128088	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	67803	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	84279	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	5.51	113	75982	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
50) Toluene-d8	8.68	98	158015	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.92	95	75046	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	40145	26.017	ug/l	99
3) Chloromethane	1.44	50	16222	20.555	ug/l #	84
4) Vinyl Chloride	1.52	62	16615	20.231	ug/l	98
5) Bromomethane	1.75	94	3985	25.291	ug/l	90
6) Chloroethane	1.84	64	4796	19.962	ug/l	90
7) Trichlorofluoromethane	2.03	101	32712	23.347	ug/l	95
8) Diethyl Ether	2.31	74	5496	22.428	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.50	101	16603	22.489	ug/l	87
10) Methyl Iodide	2.65	142	19084	21.013	ug/l	96
11) Tert butyl alcohol	3.24	59	8069	127.413	ug/l #	80
12) 1,1-Dichloroethene	2.49	96	11285	21.088	ug/l	90
13) Acrolein	2.44	56	3779	115.826	ug/l	85
14) Allyl chloride	2.88	41	27138	20.915	ug/l	88
15) Acrylonitrile	3.31	53	15547	113.194	ug/l	98
16) Acetone	2.58	43	26952	112.425	ug/l	97
17) Carbon Disulfide	2.71	76	42969	20.216	ug/l #	94
18) Methyl Acetate	2.90	43	10367	21.625	ug/l	93
19) Methyl tert-butyl Ether	3.36	73	40253	22.442	ug/l	95
20) Methylene Chloride	3.03	84	16614	24.305	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	13644	23.645	ug/l	97
22) Diisopropyl ether	4.03	45	71040	20.821	ug/l	94
23) Vinyl Acetate	3.97	43	241690	111.612	ug/l	99
24) 1,1-Dichloroethane	3.92	63	46846	21.749	ug/l	99
25) 2-Butanone	4.81	43	38119	104.269	ug/l	99
26) 2,2-Dichloropropane	4.76	77	46890	21.257	ug/l	96
27) cis-1,2-Dichloroethene	4.77	96	25524	22.145	ug/l	88
28) Bromochloromethane	5.10	49	19156	22.477	ug/l	95
29) Tetrahydrofuran	5.15	42	17491	103.329	ug/l	99
30) Chloroform	5.28	83	59107	22.944	ug/l	94
31) Cyclohexane	5.55	56	31906	19.709	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	54945	22.030	ug/l	97
36) 1,1-Dichloropropene	5.70	75	37942	23.926	ug/l	95
37) Ethyl Acetate	4.88	43	19055	23.359	ug/l	96
38) Carbon Tetrachloride	5.68	117	52482	24.168	ug/l	96

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Quant Time: Jul 28 01:26:22 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)
39) Methylcyclohexane	7.26	83	33138	22.724	ug/l	97
40) Benzene	5.98	78	76737	23.597	ug/l	97
41) Methacrylonitrile	5.09	41	9604	23.592	ug/l	96
42) 1,2-Dichloroethane	6.09	62	44760	22.844	ug/l	99
43) Isopropyl Acetate	7.59	43	25983	22.970	ug/l	98
44) Trichloroethene	6.95	130	27120	22.992	ug/l	98
45) 1,2-Dichloropropane	7.32	63	18902	20.755	ug/l	98
46) Dibromomethane	7.43	93	17834	23.168	ug/l	93
47) Bromodichloromethane	7.72	83	43782	23.813	ug/l	98
48) Methyl methacrylate	7.48	41	16822	22.424	ug/l	95
49) 1,4-Dioxane	7.46	88	3224	471.430	ug/l	96
51) 4-Methyl-2-Pentanone	8.57	43	88445	117.087	ug/l	98
52) Toluene	8.78	92	48219	22.361	ug/l	92
53) t-1,3-Dichloropropene	9.16	75	37099	22.372	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	37083	22.519	ug/l	95
55) 1,1,2-Trichloroethane	9.43	97	18862	23.282	ug/l	94
56) Ethyl methacrylate	9.29	69	21668	23.574	ug/l	96
57) 1,3-Dichloropropane	9.65	76	28321	22.001	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.16	63	45691	105.794	ug/l	97
59) 2-Hexanone	9.76	43	63002	105.005	ug/l	98
60) Dibromochloromethane	9.94	129	30385	22.592	ug/l	95
61) 1,2-Dibromoethane	10.07	107	22058	22.976	ug/l	99
64) Tetrachloroethene	9.49	164	27193	23.427	ug/l	96
65) Chlorobenzene	10.71	112	61371	23.373	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	27513	24.089	ug/l	98
67) Ethyl Benzene	10.85	91	109411	24.240	ug/l	99
68) m/p-Xylenes	10.99	106	70041	46.463	ug/l	96
69) o-Xylene	11.40	106	33745	23.070	ug/l	96
70) Styrene	11.42	104	56913	23.466	ug/l	99
71) Bromoform	11.58	173	20501	22.043	ug/l	99
73) Isopropylbenzene	11.76	105	106861	22.309	ug/l	99
74) N-amyl acetate	11.63	43	35584	21.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	22110	22.609	ug/l	91
76) 1,2,3-Trichloropropane	12.11	75	24406	21.767	ug/l	96
77) Bromobenzene	12.03	156	31135	22.205	ug/l	98
78) n-propylbenzene	12.14	91	122938	21.124	ug/l	99
79) 2-Chlorotoluene	12.20	91	80478	23.194	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	82889	21.918	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	5685	19.831	ug/l	87
82) 4-Chlorotoluene	12.31	91	87760	22.365	ug/l	87
83) tert-Butylbenzene	12.57	119	91705	21.540	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	84374	20.988	ug/l	97
85) sec-Butylbenzene	12.74	105	105986	21.785	ug/l	99
86) p-Isopropyltoluene	12.87	119	88393	21.558	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	53173	22.422	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	49462	21.649	ug/l	96
89) n-Butylbenzene	13.19	91	92355	23.330	ug/l	99
90) Hexachloroethane	13.39	117	22775	20.787	ug/l	85
91) 1,2-Dichlorobenzene	13.19	146	45703	22.968	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4570	23.180	ug/l	91

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Jul 28 01:26:22 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

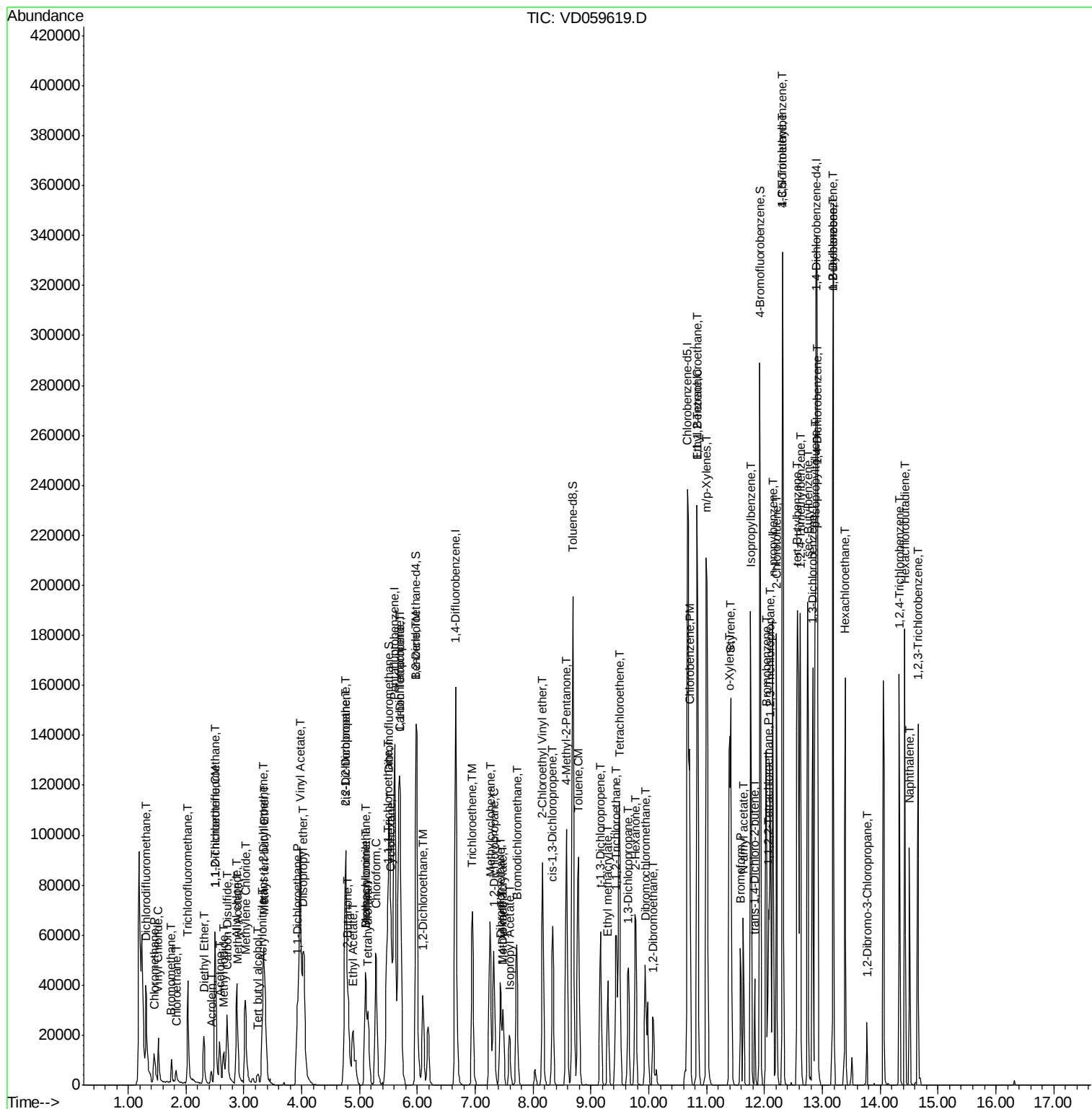
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	36992	22.450	ug/l	98
94) Hexachlorobutadiene	14.43	225	29077	22.371	ug/l	100
95) Naphthalene	14.51	128	52125	22.243	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	32373	21.712	ug/l	99

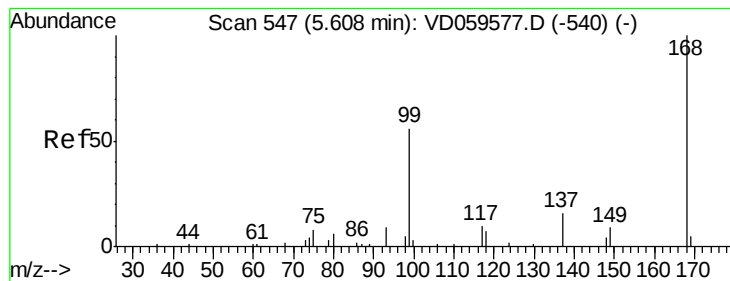
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072718\  
Data File : VD059619.D  
Acq On    : 27 Jul 2018   18:52  
Operator  : VA/AP  
Sample    : VD0727SBS01  
Misc      : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial  : 5      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Quant Time: Jul 28 01:26:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

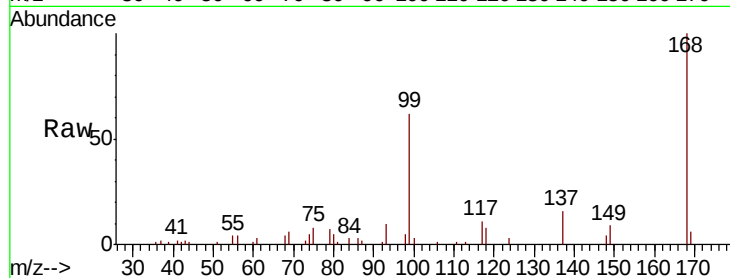
VD0727SBS01

Tot Ion:168 Resp: 126271

Ion Ratio Lower Upper

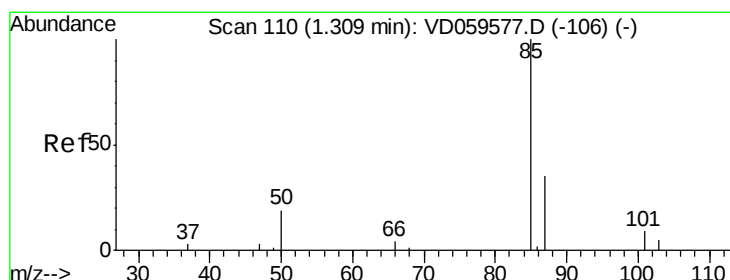
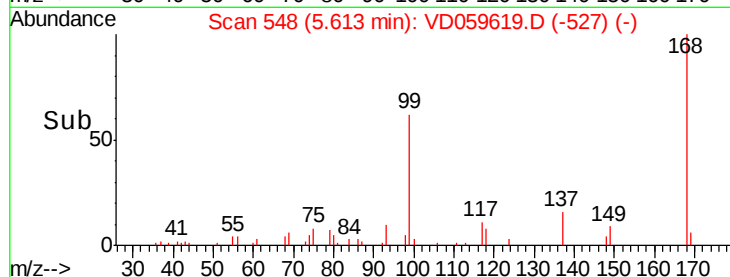
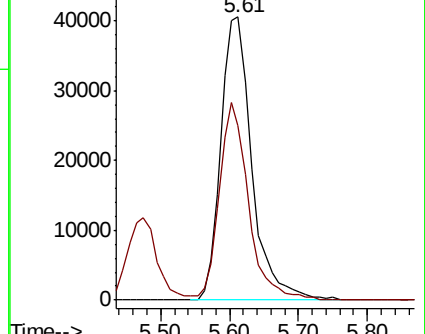
168 100

99 61.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 26.017 ug/l

RT: 1.30 min Scan# 110

Delta R.T. -0.00 min

Lab File: VD059619.D

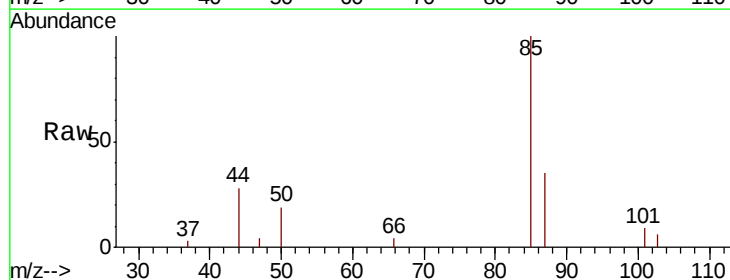
Acq: 27 Jul 2018 18:52

Tgt Ion: 85 Resp: 40145

Ion Ratio Lower Upper

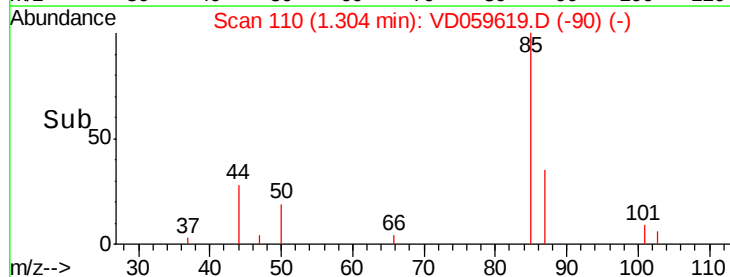
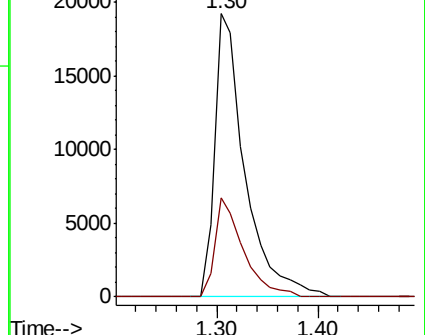
85 100

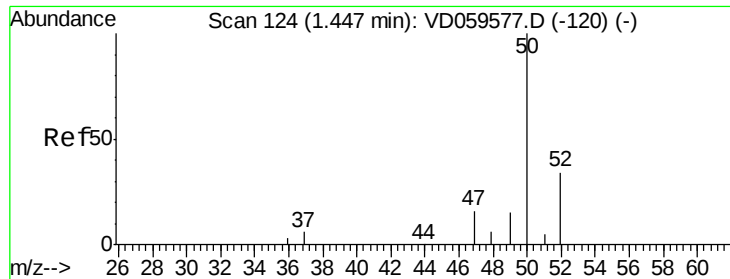
87 35.1 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.555 ug/l

RT: 1.44 min Scan# 124

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

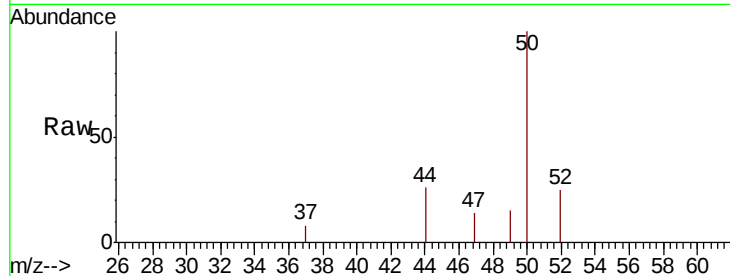
VD0727SBS01

Tot Ion: 50 Resp: 16222

Ion Ratio Lower Upper

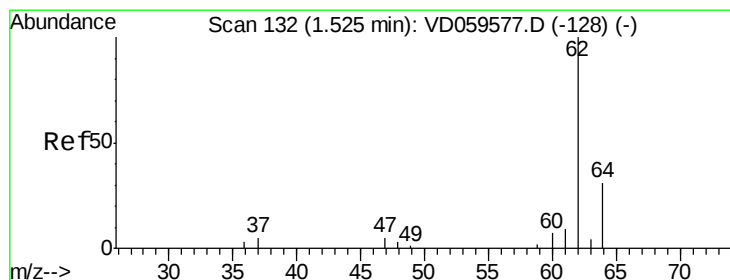
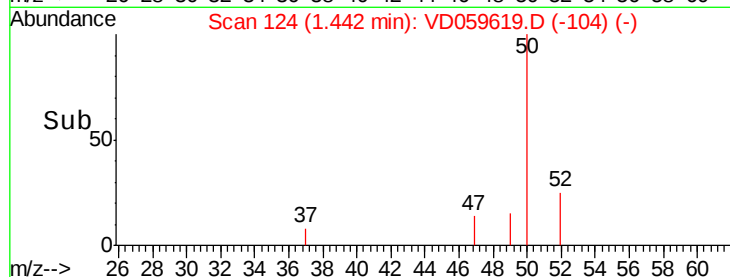
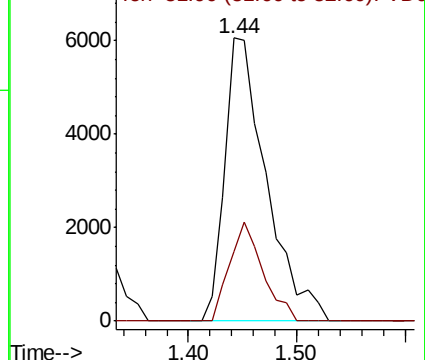
50 100

52 24.7 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: 20.231 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059619.D

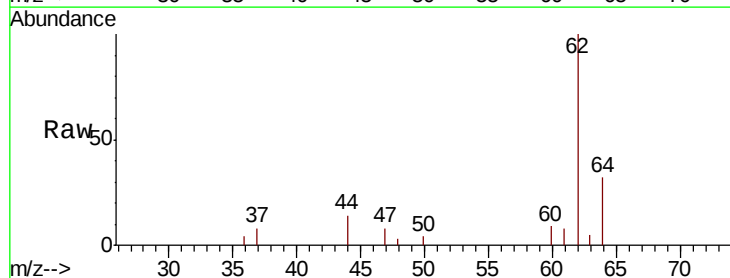
Acq: 27 Jul 2018 18:52

Tgt Ion: 62 Resp: 16615

Ion Ratio Lower Upper

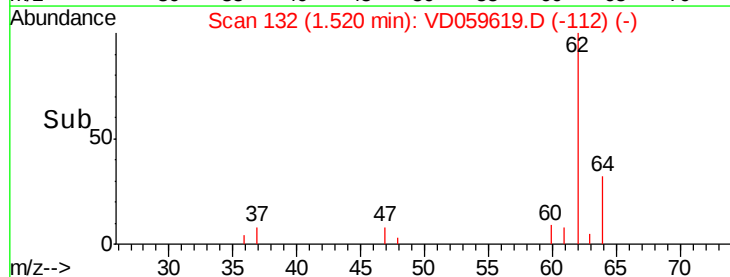
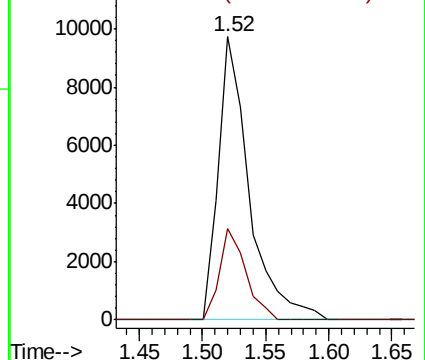
62 100

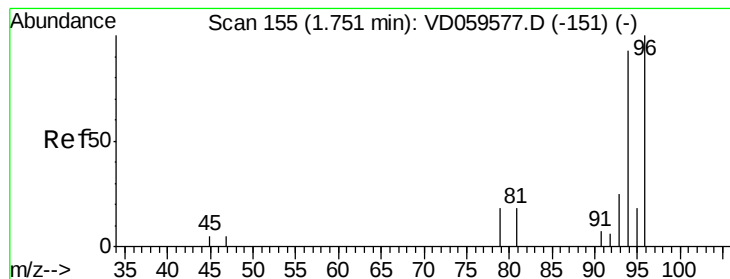
64 32.1 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.291 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

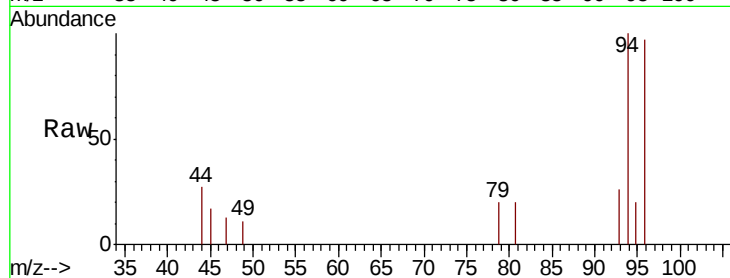
VD0727SBS01

Tot Ion: 94 Resp: 3985

Ion Ratio Lower Upper

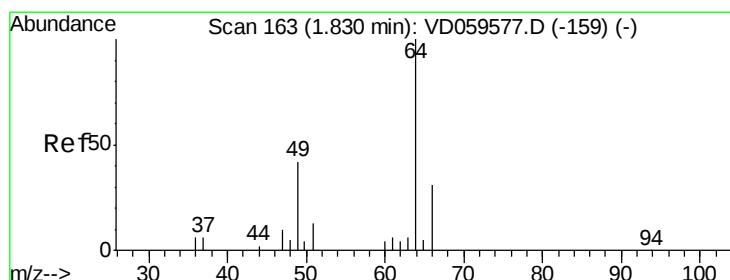
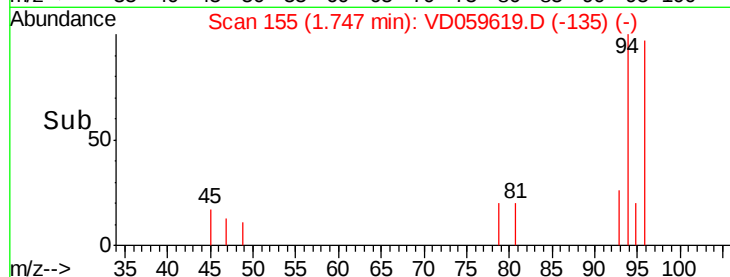
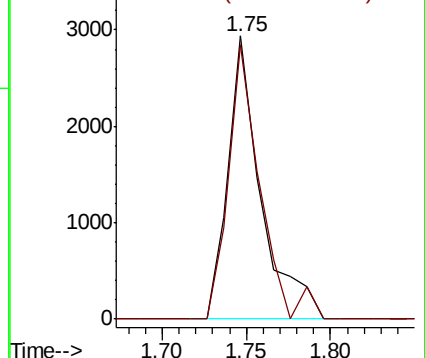
94 100

96 96.9 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: 19.962 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD059619.D

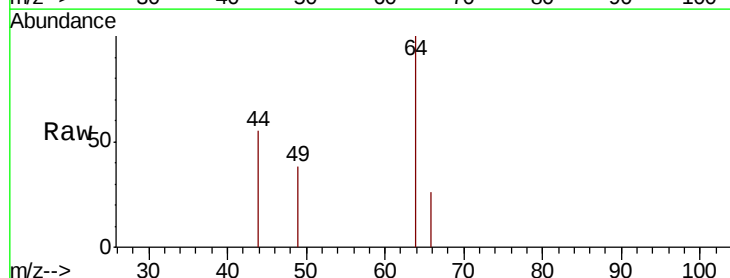
Acq: 27 Jul 2018 18:52

Tgt Ion: 64 Resp: 4796

Ion Ratio Lower Upper

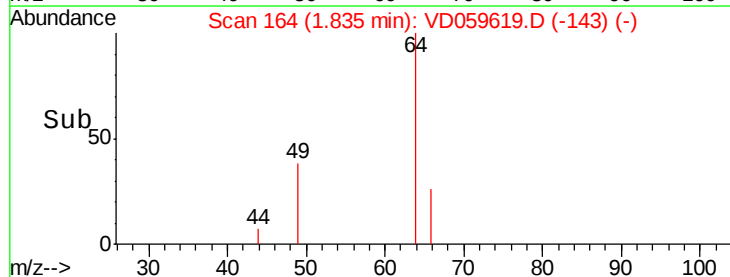
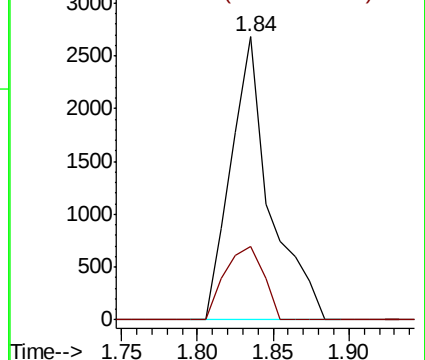
64 100

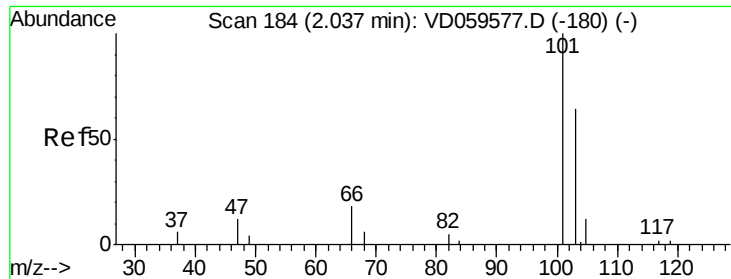
66 25.7 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



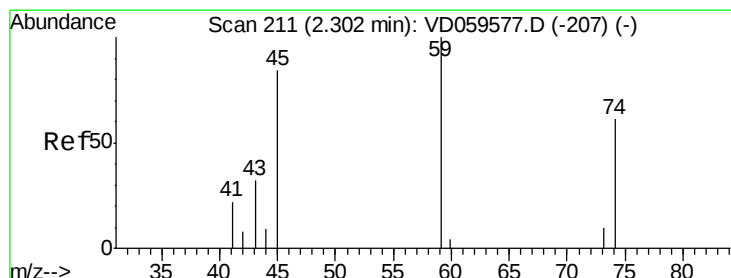
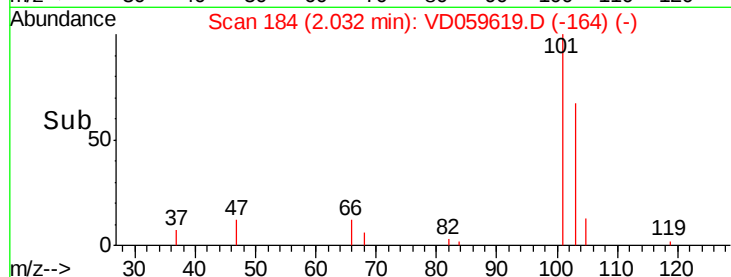
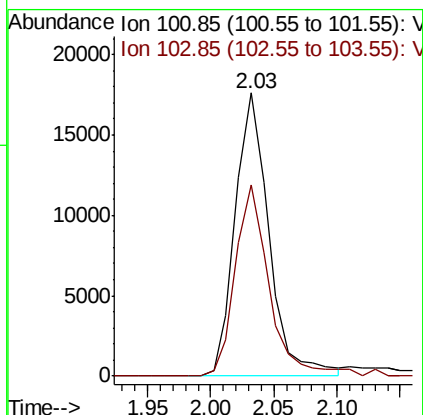
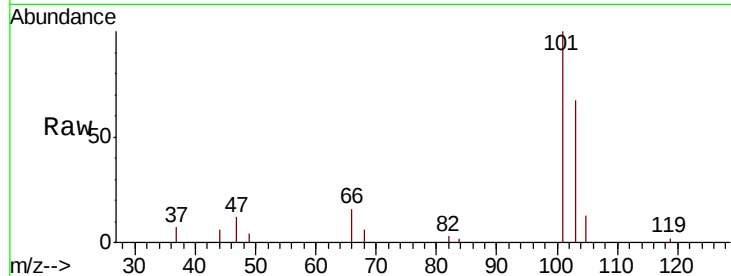


#7

Trichlorofluoromethane
 Concen: 23.347 ug/l
 RT: 2.03 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

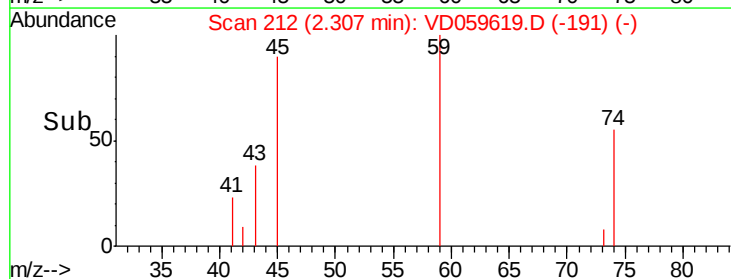
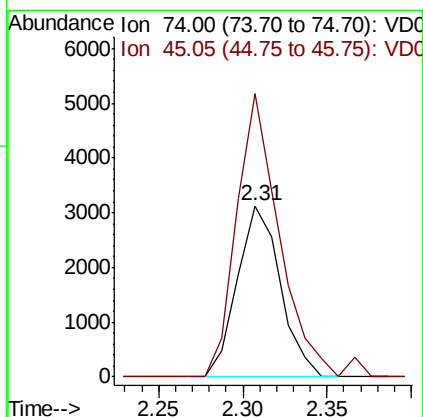
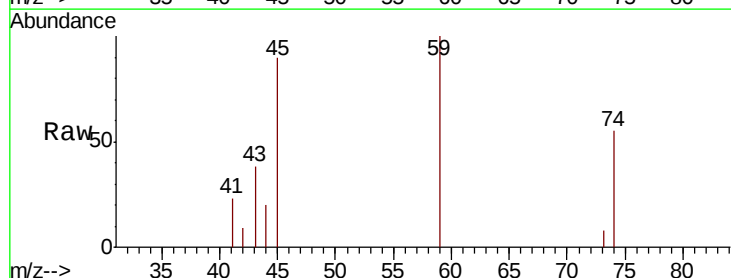
Tot Ion:101 Resp: 32712
 Ion Ratio Lower Upper
 101 100
 103 67.5 50.9 76.3

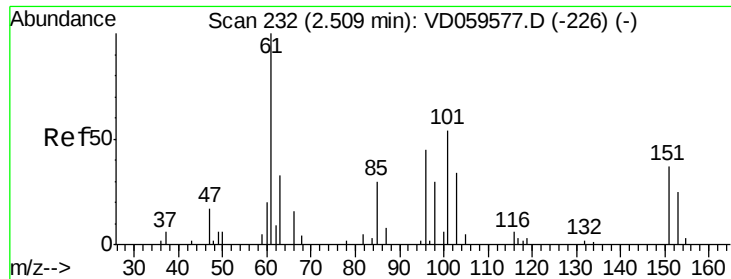


#8

Diethyl Ether
 Concen: 22.428 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 74 Resp: 5496
 Ion Ratio Lower Upper
 74 100
 45 165.4 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.489 ug/l

RT: 2.50 min Scan# 232

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

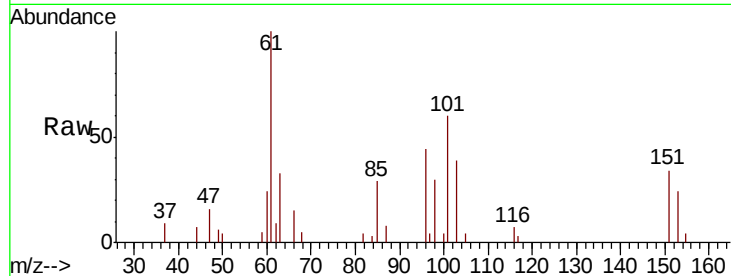
Tot Ion:101 Resp: 16603

Ion Ratio Lower Upper

101 100

85 47.6 44.5 66.7

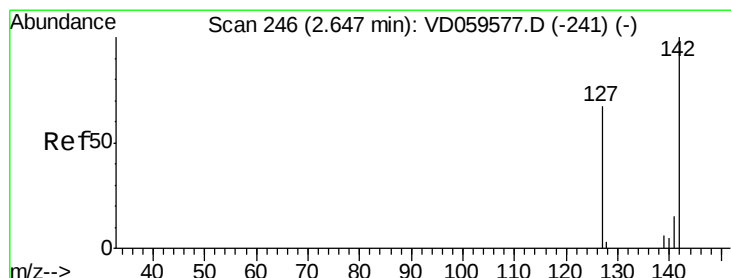
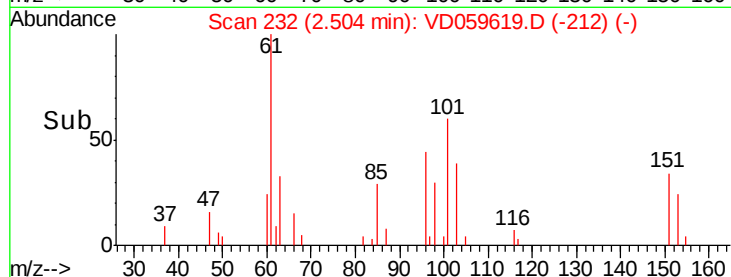
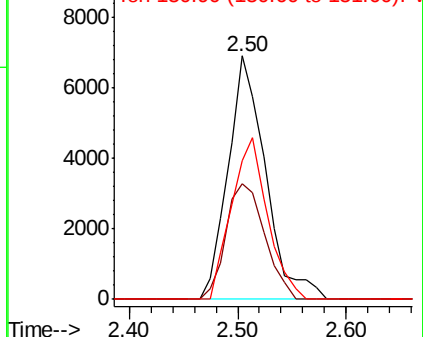
151 56.9 55.4 83.0



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: 21.013 ug/l

RT: 2.65 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

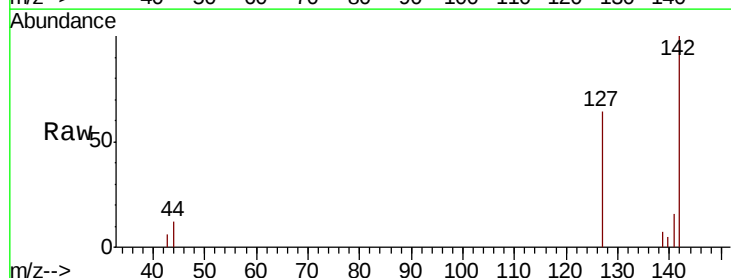
Tgt Ion:142 Resp: 19084

Ion Ratio Lower Upper

142 100

127 64.0 53.6 80.4

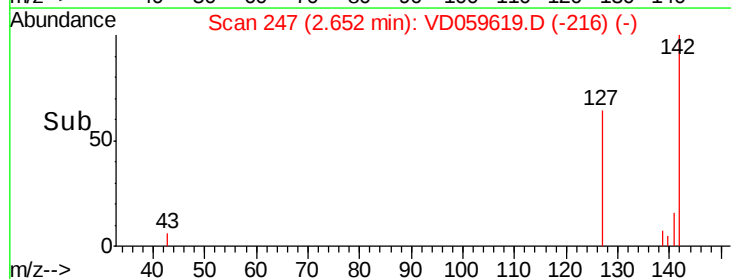
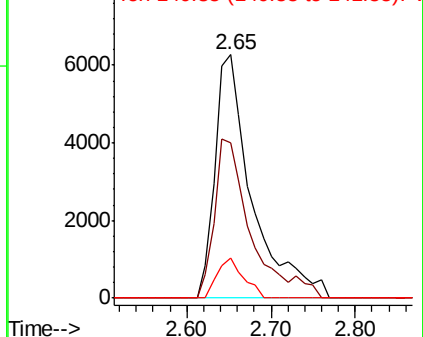
141 16.3 12.2 18.2

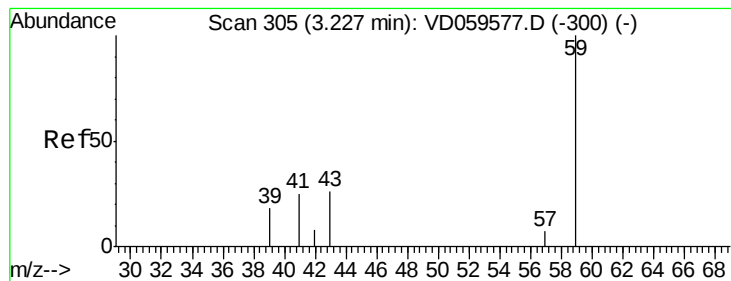


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



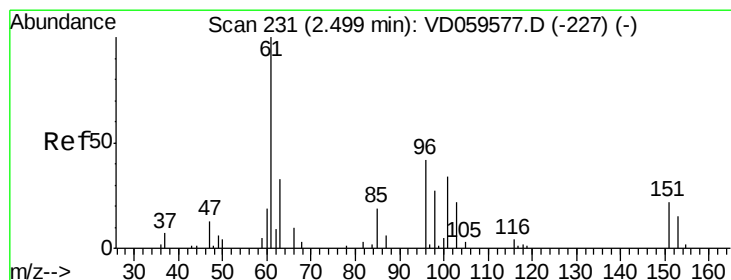
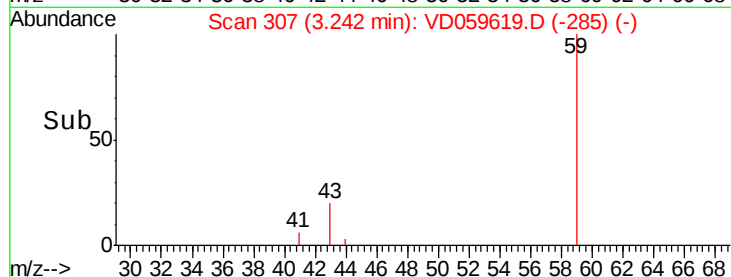
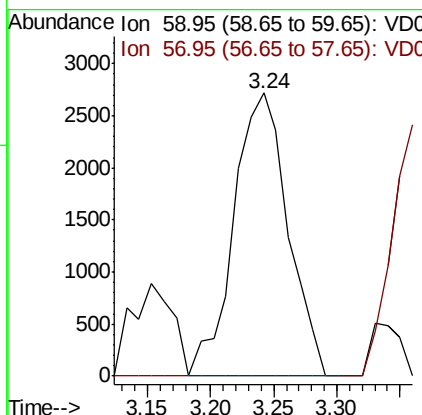
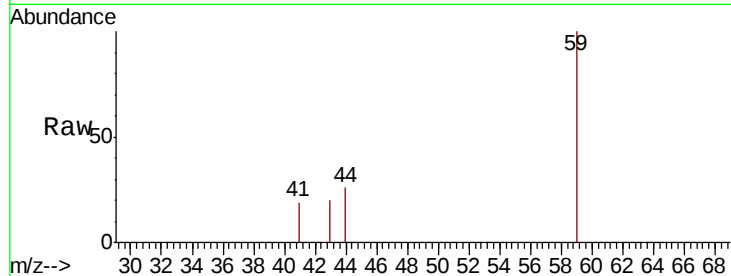


#11

Tert butyl alcohol
 Concen: 127.413 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

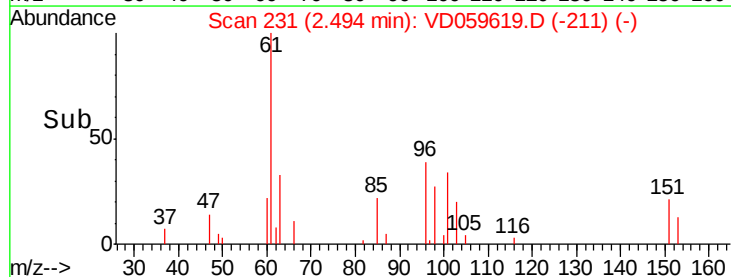
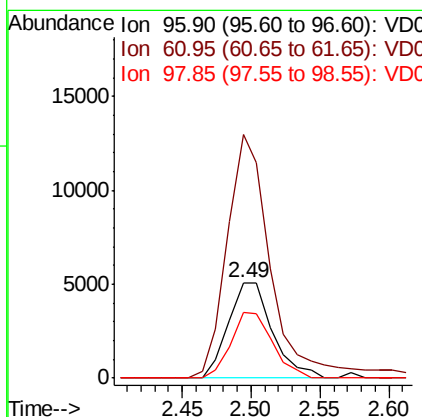
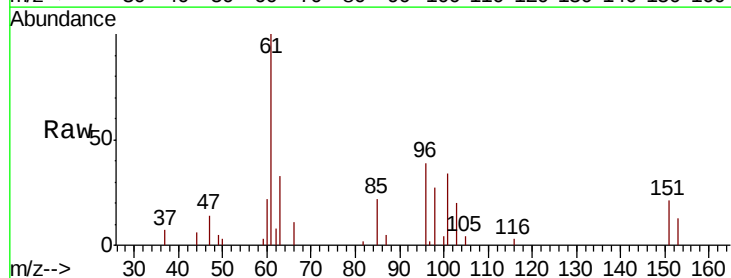
Tot Ion: 59 Resp: 8069
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

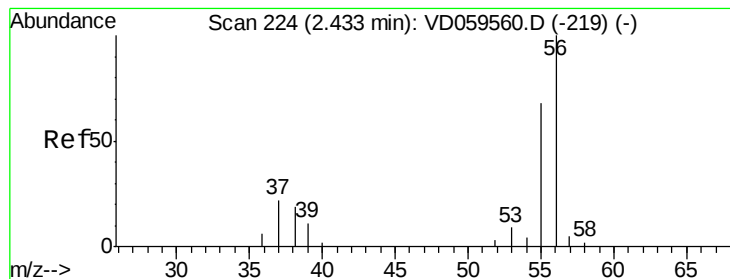


#12

1,1-Dichloroethene
 Concen: 21.088 ug/l
 RT: 2.49 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 96 Resp: 11285
 Ion Ratio Lower Upper
 96 100
 61 254.6 188.8 283.2
 98 68.7 51.4 77.2





#13

Acrolein

Concen: 115.826 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

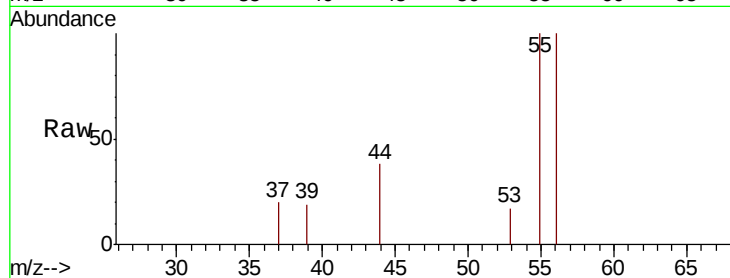
VD0727SBS01

Tot Ion: 56 Resp: 3779

Ion Ratio Lower Upper

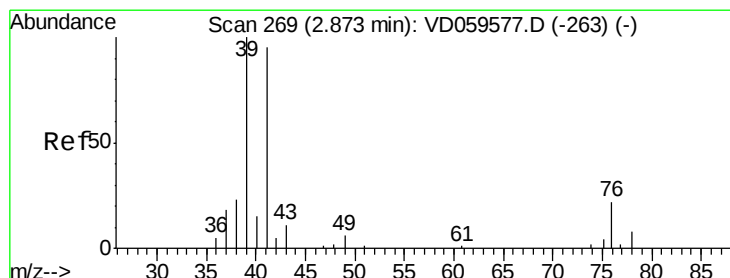
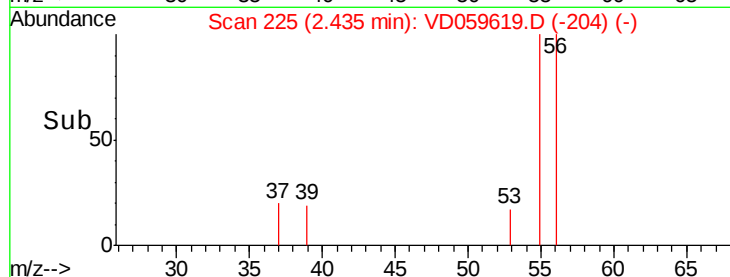
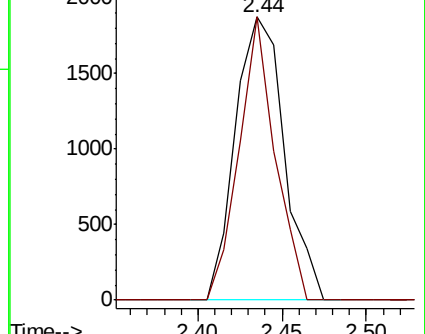
56 100

55 99.9 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.915 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

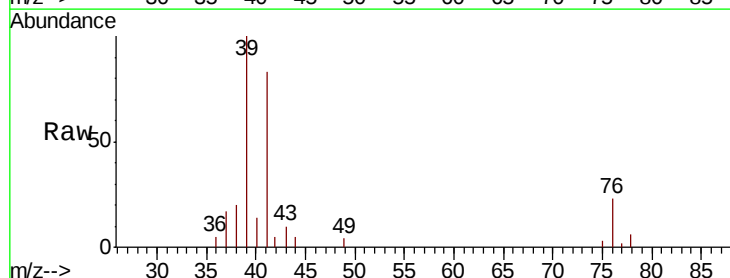
Tgt Ion: 41 Resp: 27138

Ion Ratio Lower Upper

41 100

39 120.2 83.8 125.8

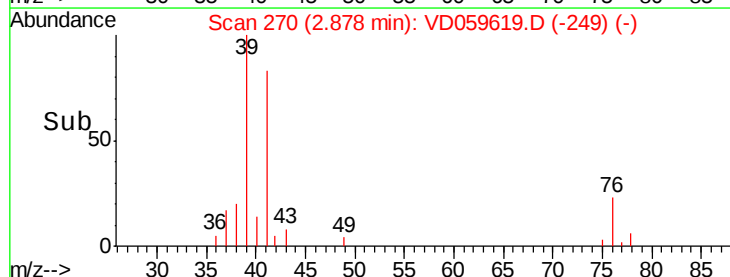
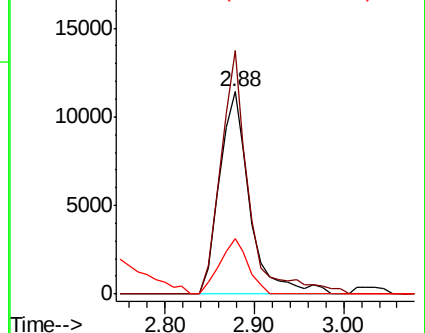
76 27.3 22.2 33.4

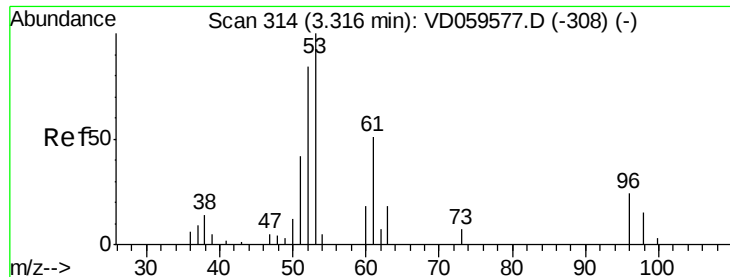


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.194 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

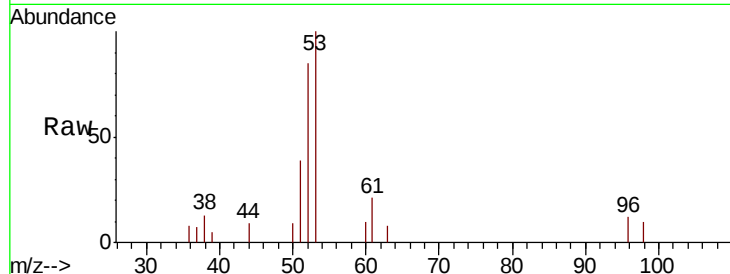
Tot Ion: 53 Resp: 15547

Ion Ratio Lower Upper

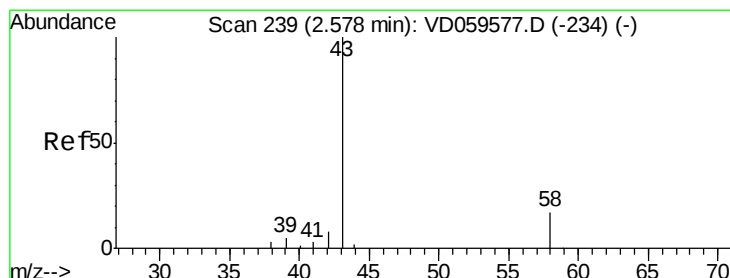
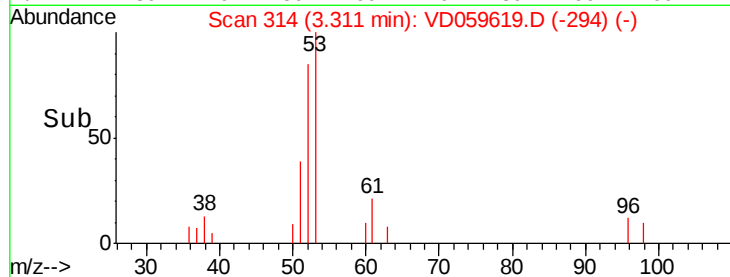
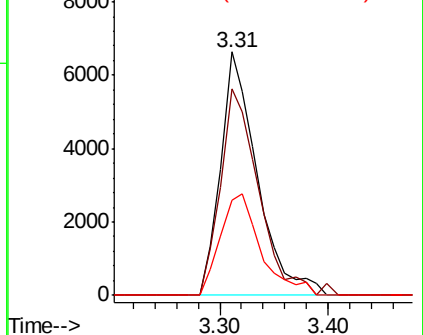
53 100

52 84.7 67.6 101.4

51 39.1 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: 112.425 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059619.D

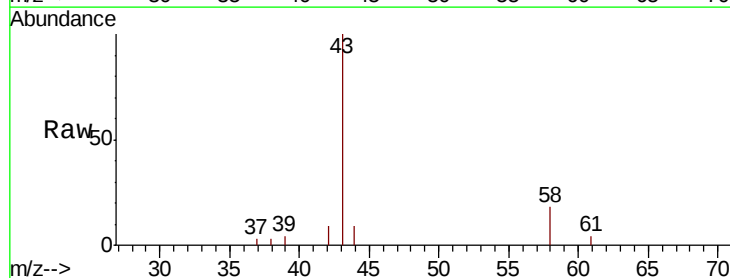
Acq: 27 Jul 2018 18:52

Tgt Ion: 43 Resp: 26952

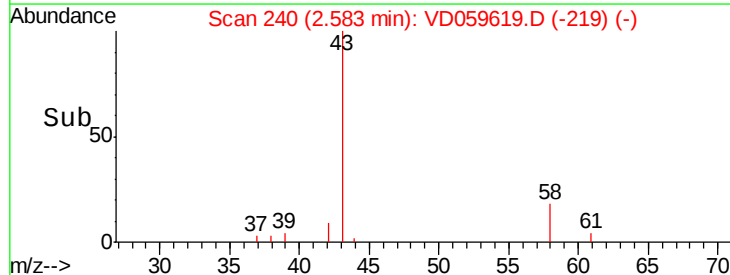
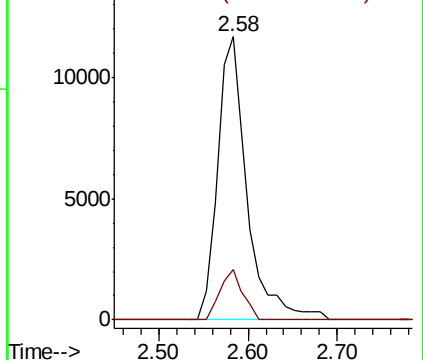
Ion Ratio Lower Upper

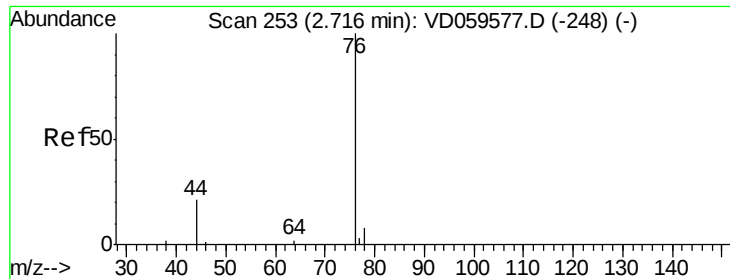
43 100

58 17.9 13.4 20.0



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

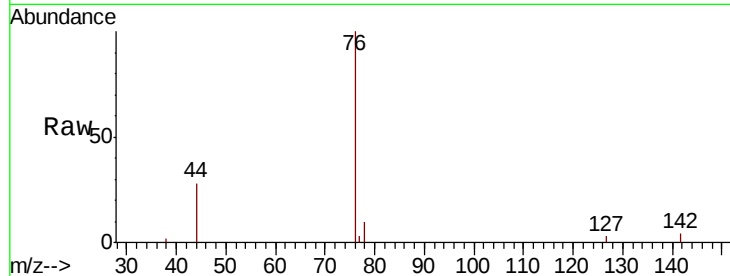




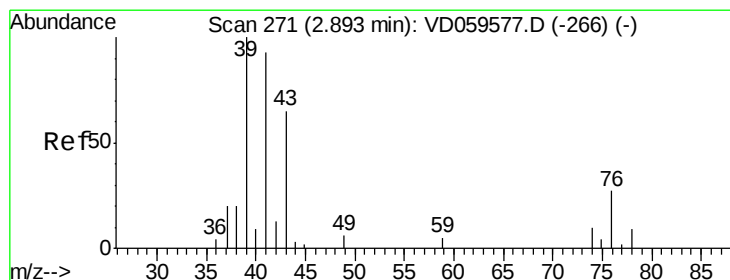
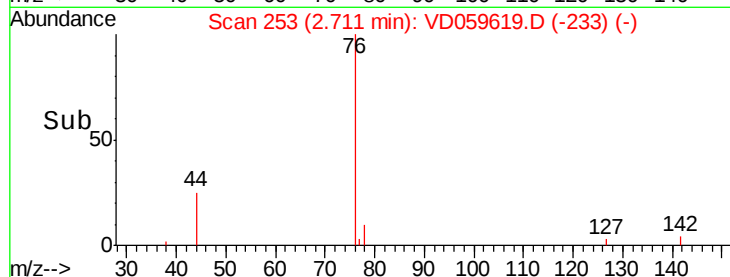
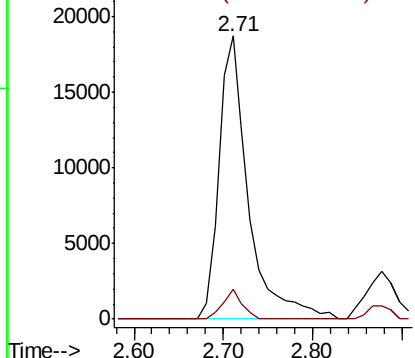
#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 76 Resp: 42969
Ion Ratio Lower Upper
76 100
78 10.5 6.8 10.2#

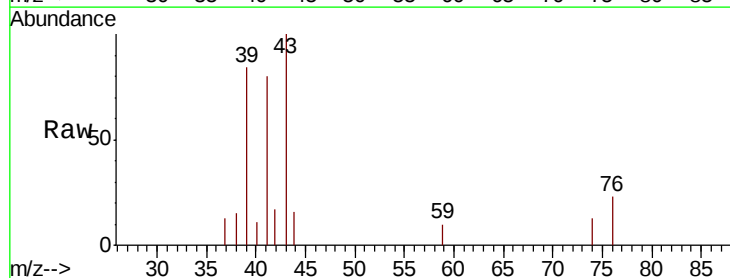


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

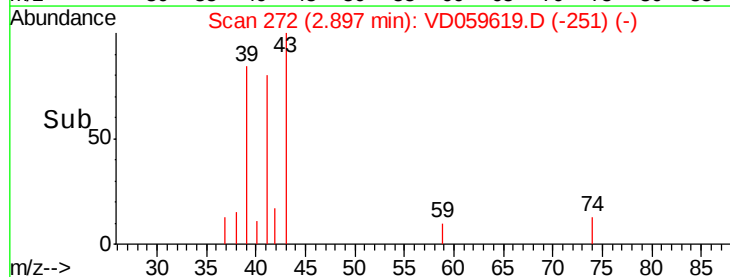
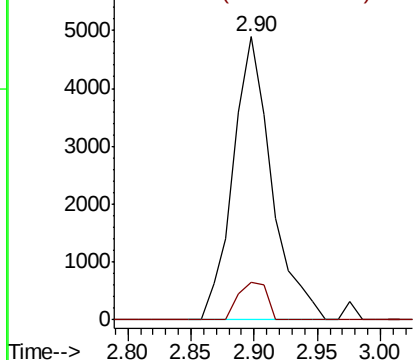


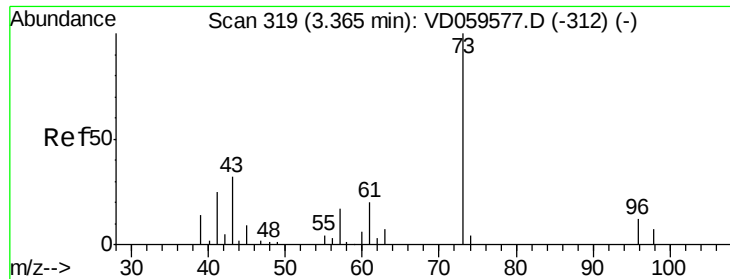
#18
Methyl Acetate
Concen: 21.625 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 43 Resp: 10367
Ion Ratio Lower Upper
43 100
74 13.1 13.0 19.4



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

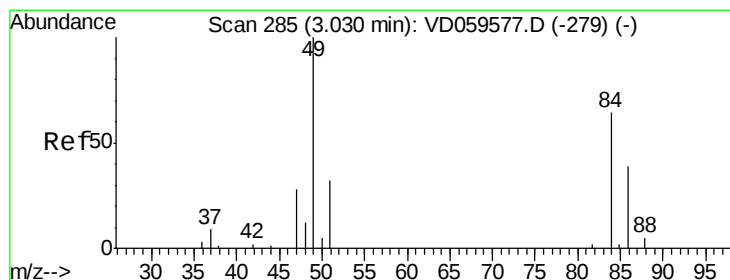
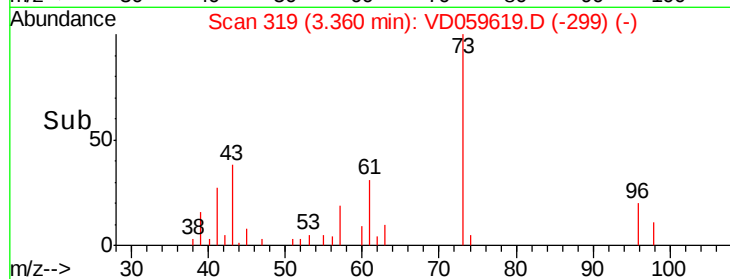
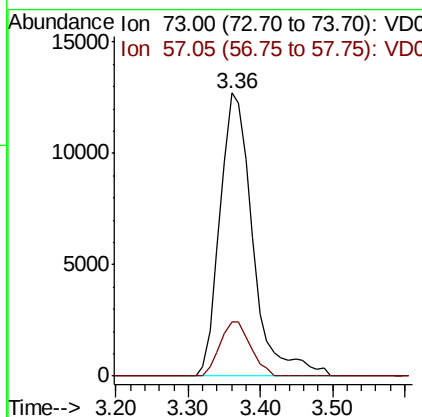
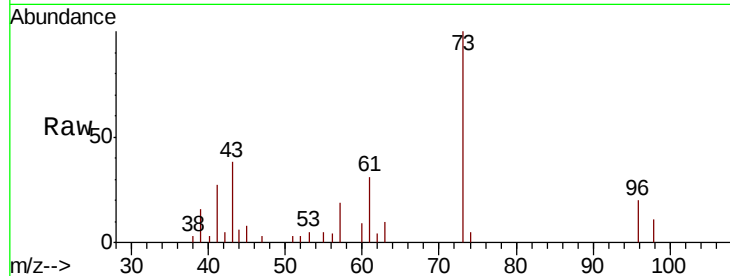




#19
Methyl tert-butyl Ether
Concen: 22.442 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

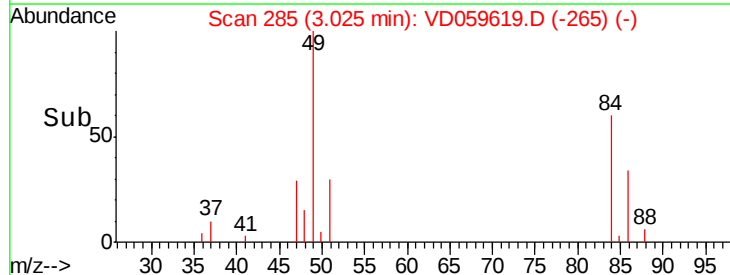
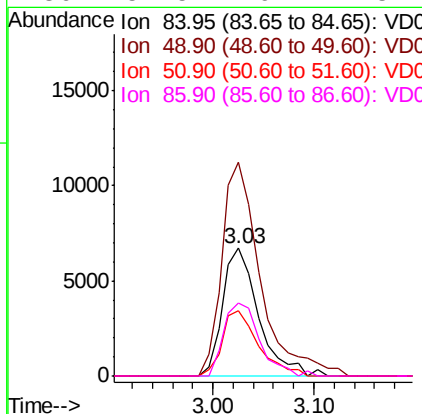
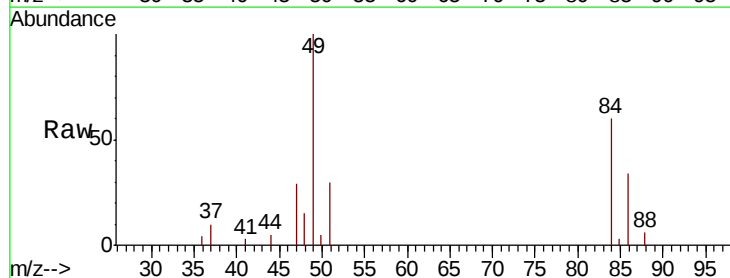
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

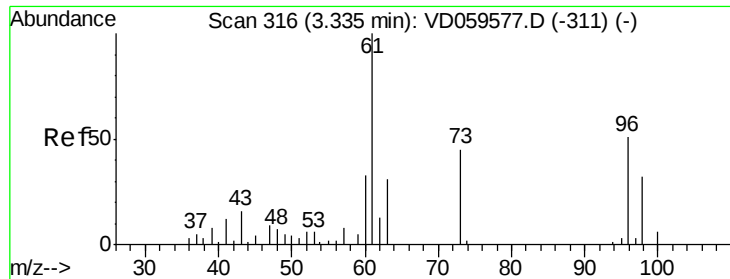
Tot Ion: 73 Resp: 40253
Ion Ratio Lower Upper
73 100
57 19.0 13.4 20.2



#20
Methylene Chloride
Concen: 24.305 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 84 Resp: 16614
Ion Ratio Lower Upper
84 100
49 167.1 125.4 188.2
51 50.9 39.7 59.5
86 57.5 49.1 73.7

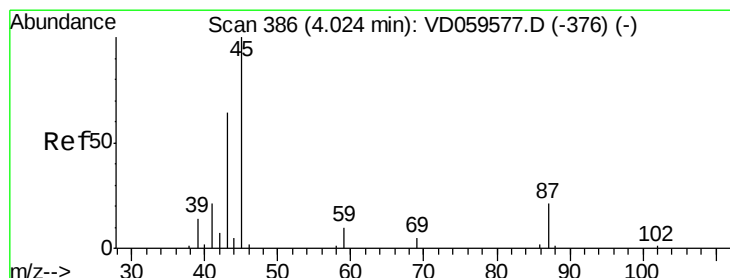
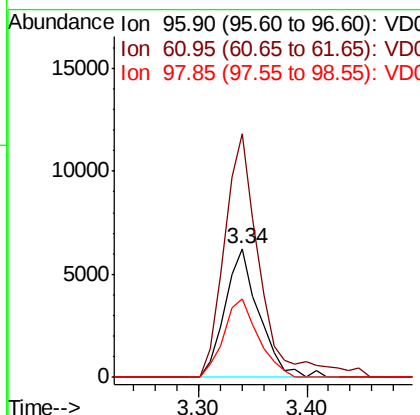
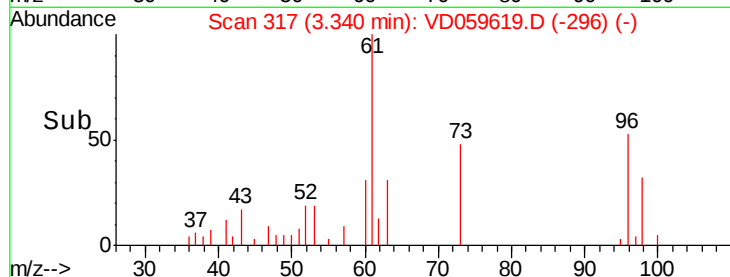
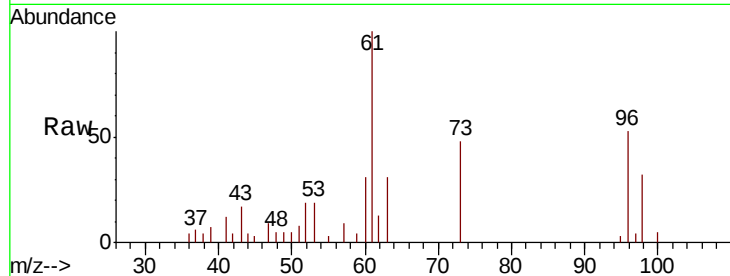




#21
trans-1,2-Dichloroethene
Concen: 23.645 ug/l
RT: 3.34 min Scan# 317
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

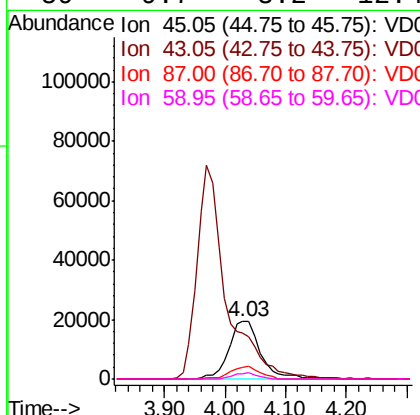
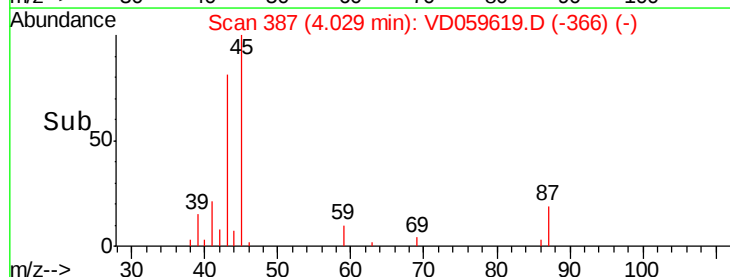
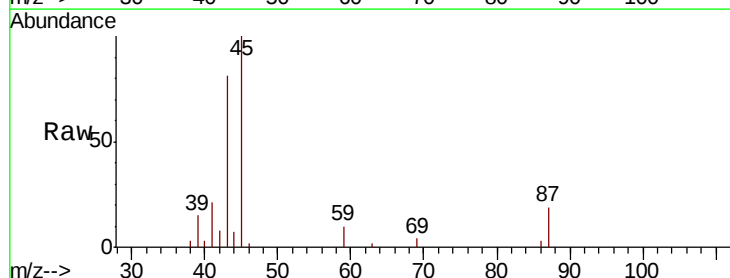
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

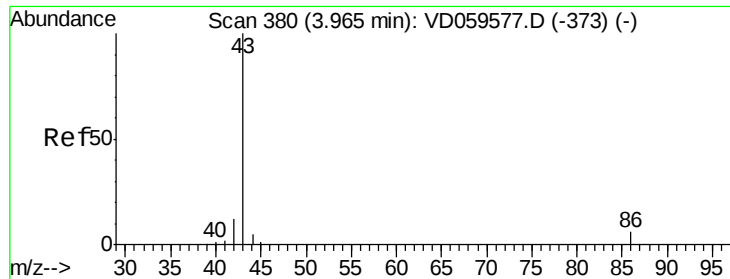
Tot Ion: 96 Resp: 13644
Ion Ratio Lower Upper
96 100
61 189.0 155.8 233.6
98 61.2 49.1 73.7



#22
Diisopropyl ether
Concen: 20.821 ug/l
RT: 4.03 min Scan# 387
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 45 Resp: 71040
Ion Ratio Lower Upper
45 100
43 81.0 59.4 89.2
87 19.3 16.7 25.1
59 9.7 8.2 12.4





#23

Vinyl Acetate

Concen: 111.612 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

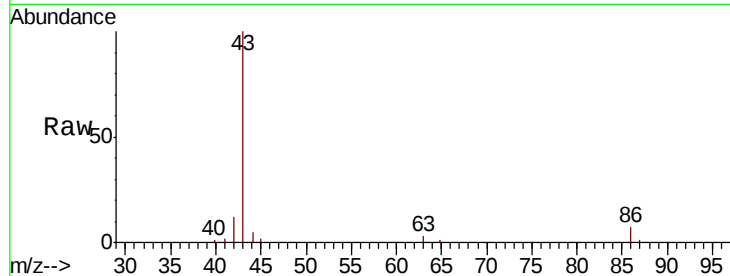
VD0727SBS01

Tot Ion: 43 Resp: 241690

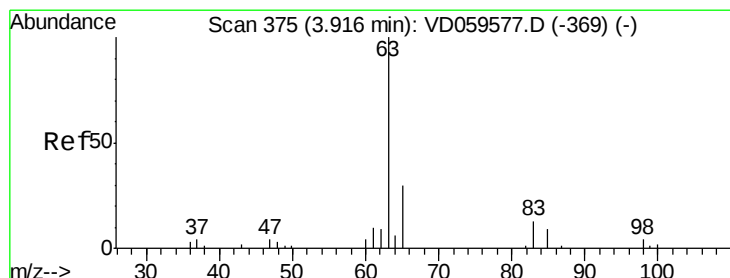
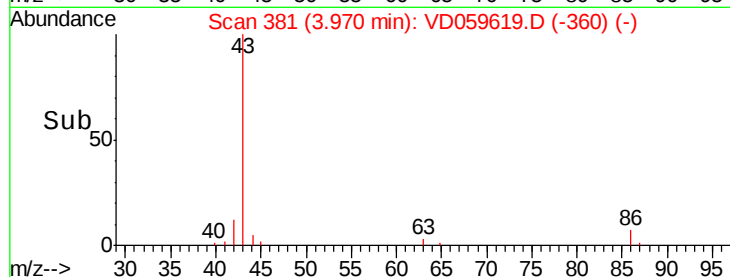
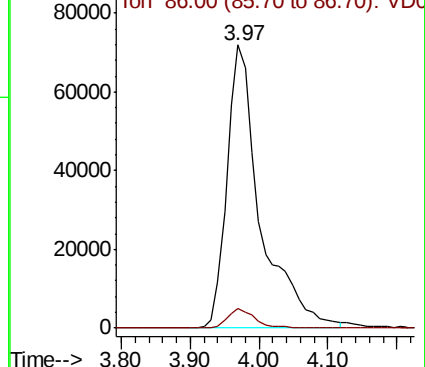
Ion Ratio Lower Upper

43 100

86 6.7 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VD059577.D (-373) (-)



#24

1,1-Dichloroethane

Concen: 21.749 ug/l

RT: 3.92 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

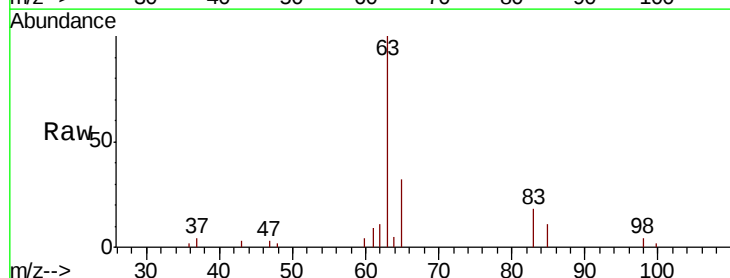
Tgt Ion: 63 Resp: 46846

Ion Ratio Lower Upper

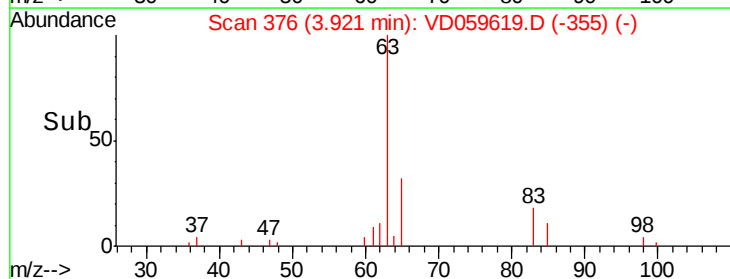
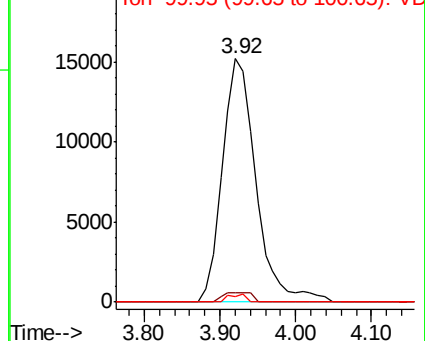
63 100

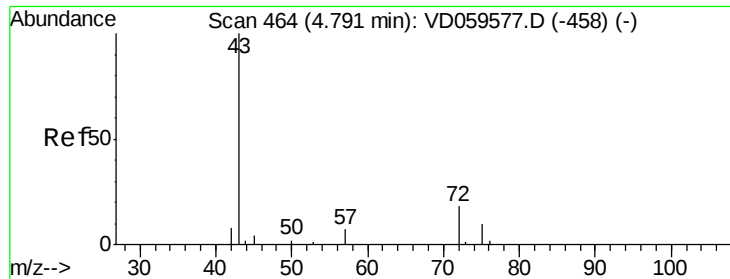
98 4.0 1.8 5.5

100 2.1 1.1 3.3



Abundance Ion 62.95 (62.65 to 63.65): VD059577.D (-369) (-)





#25

2-Butanone

Concen: 104.269 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

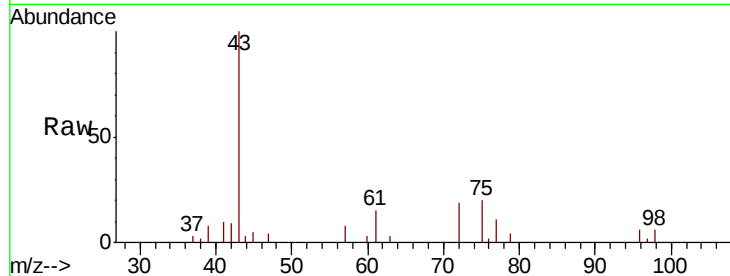
VD0727SBS01

Tot Ion: 43 Resp: 38119

Ion Ratio Lower Upper

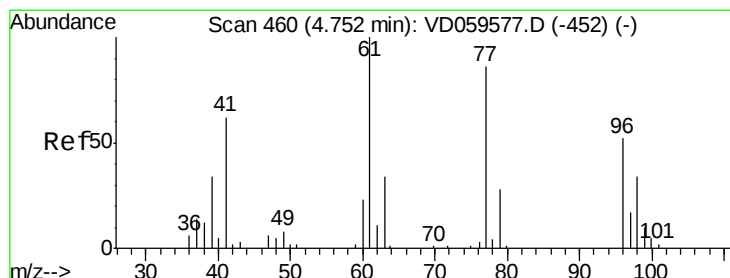
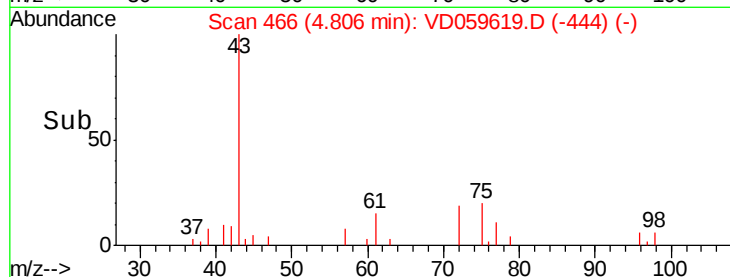
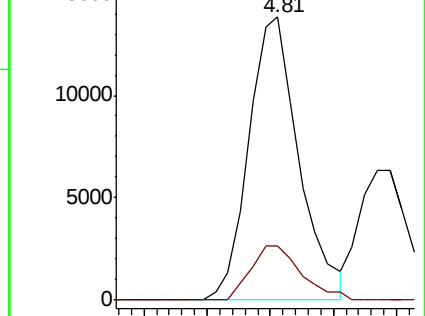
43 100

72 19.1 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: 21.257 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059619.D

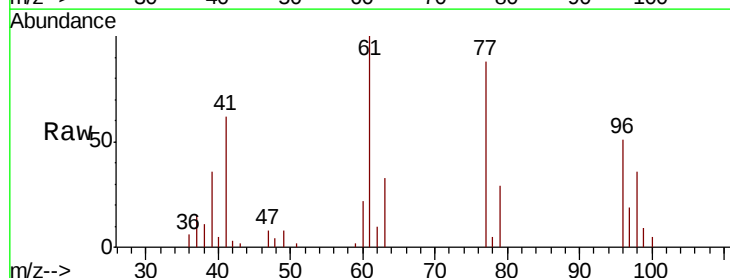
Acq: 27 Jul 2018 18:52

Tgt Ion: 77 Resp: 46890

Ion Ratio Lower Upper

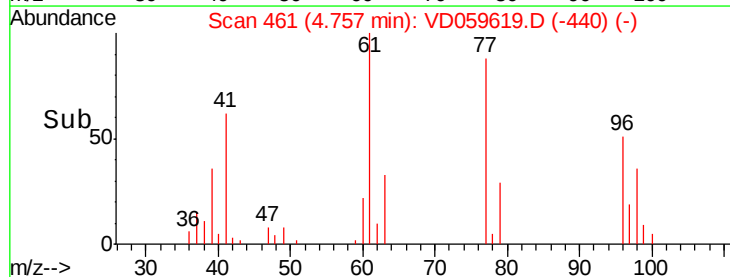
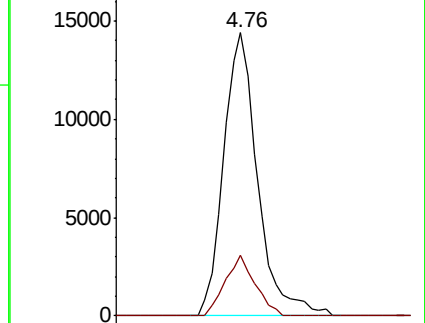
77 100

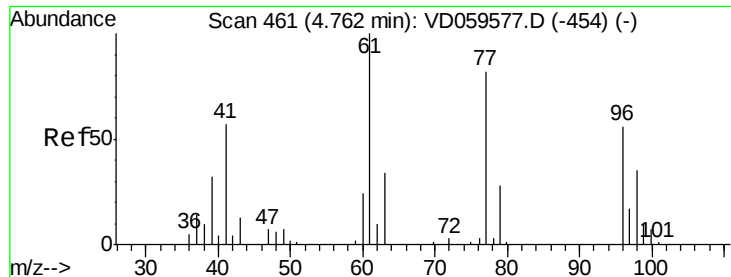
97 21.4 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



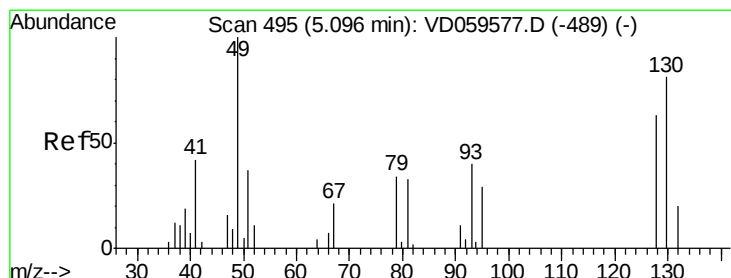
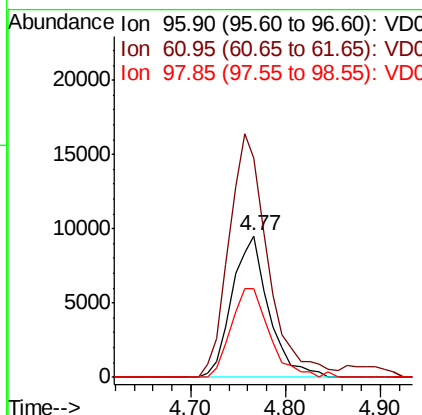
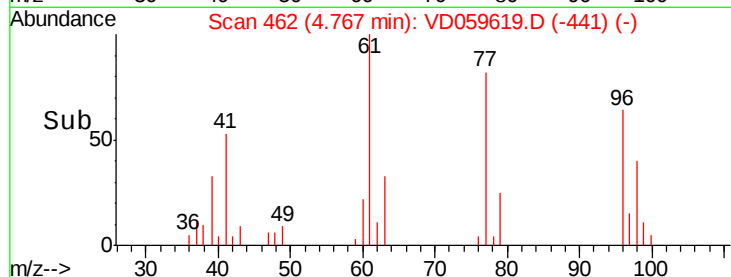
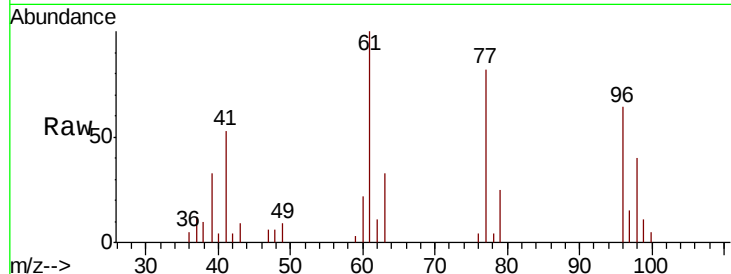


#27

cis-1,2-Dichloroethene
 Concen: 22.145 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

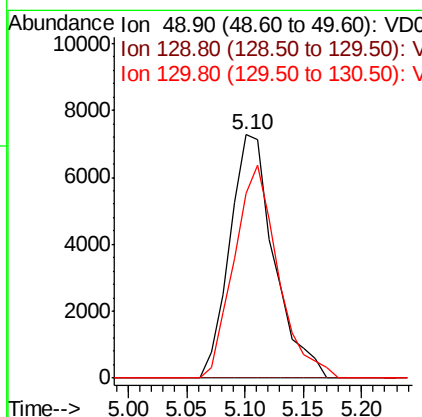
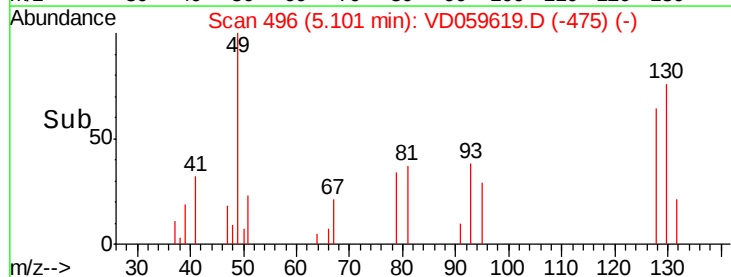
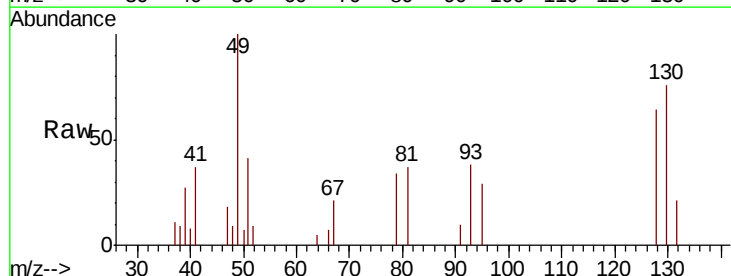
Tot Ion: 96 Resp: 25524
 Ion Ratio Lower Upper
 96 100
 61 155.5 0.0 355.0
 98 62.9 0.0 125.8

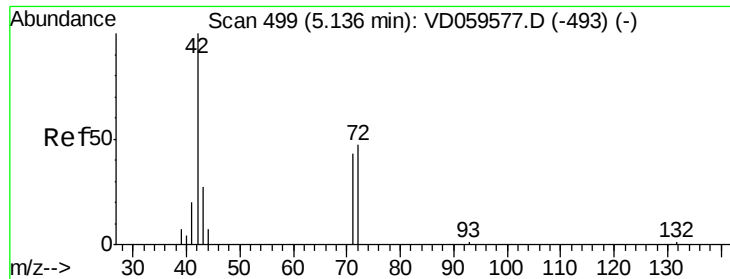


#28

Bromochloromethane
 Concen: 22.477 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 49 Resp: 19156
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 76.1 64.6 96.8





#29

Tetrahydrofuran

Concen: 103.329 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

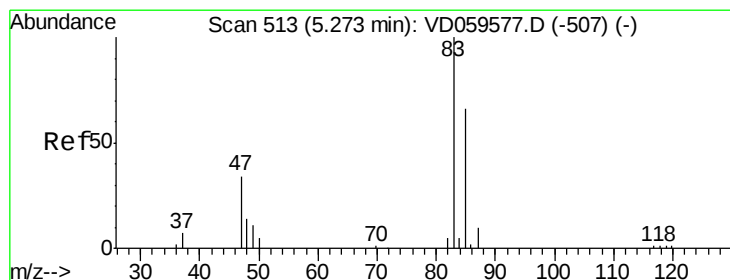
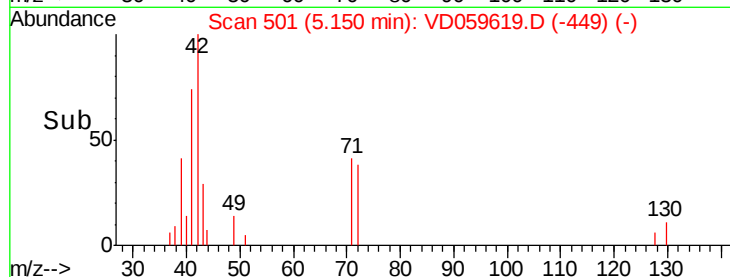
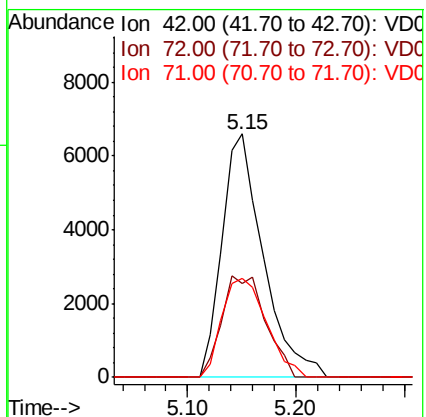
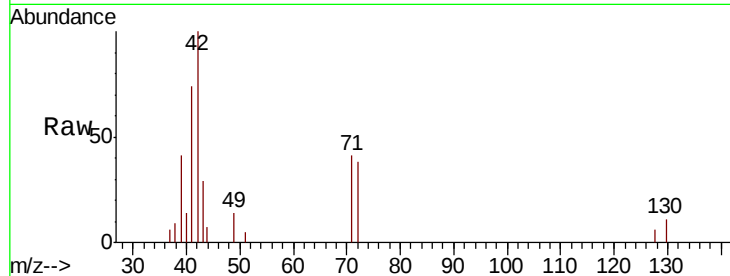
Tot Ion: 42 Resp: 17491

Ion Ratio Lower Upper

42 100

72 44.3 35.0 52.4

71 43.8 34.2 51.2



#30

Chloroform

Concen: 22.944 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059619.D

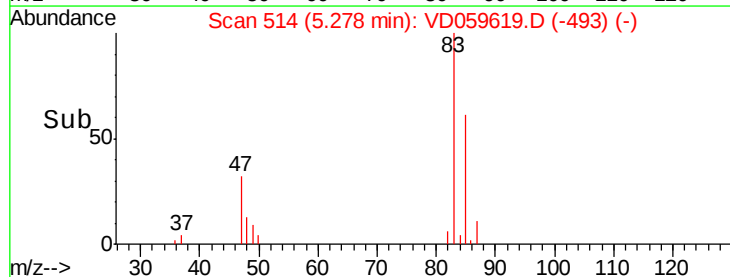
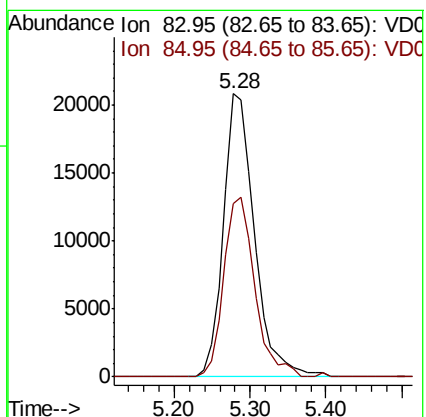
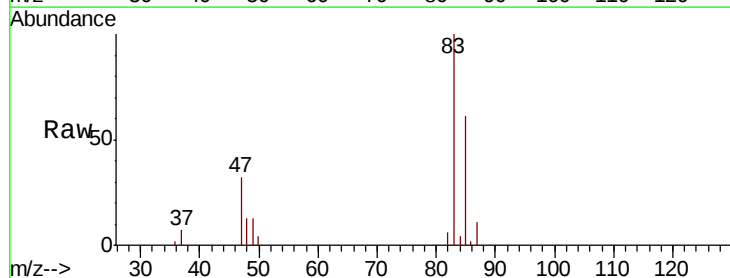
Acq: 27 Jul 2018 18:52

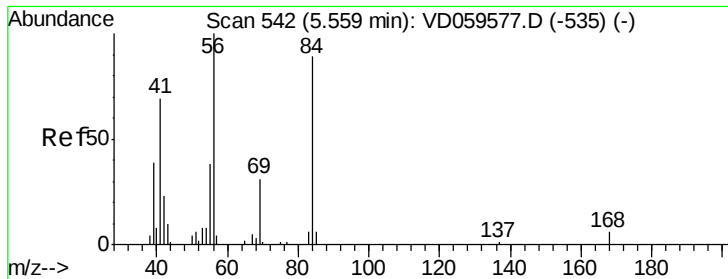
Tgt Ion: 83 Resp: 59107

Ion Ratio Lower Upper

83 100

85 61.3 53.0 79.6

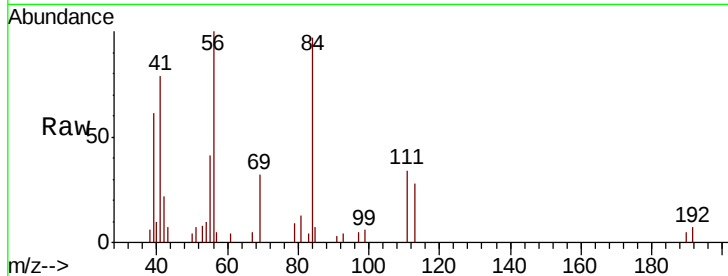




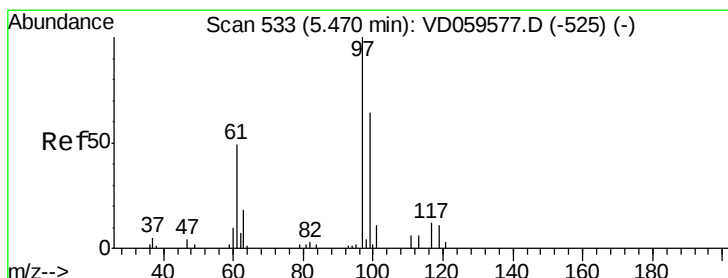
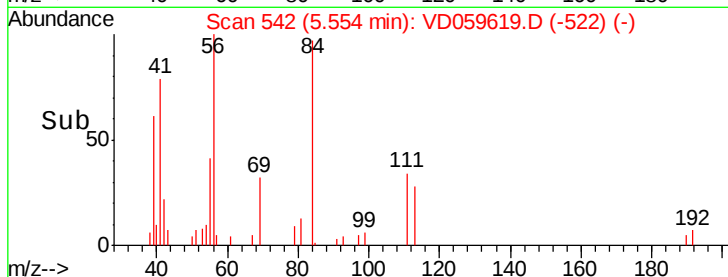
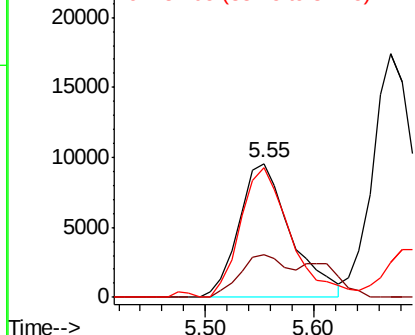
#31
Cyclohexane
Concen: 19.709 ug/l
RT: 5.55 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 56 Resp: 31906
Ion Ratio Lower Upper
56 100
69 31.5 24.6 37.0
84 96.8 72.7 109.1

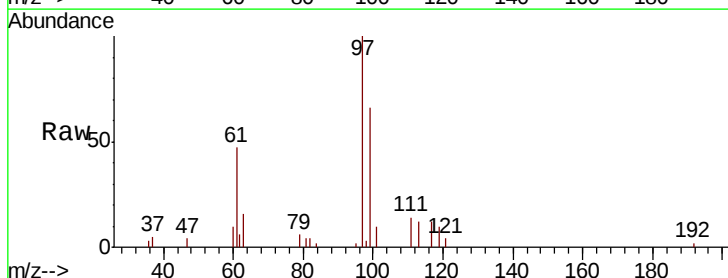


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

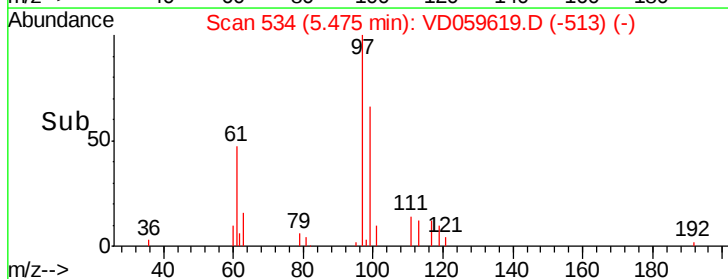
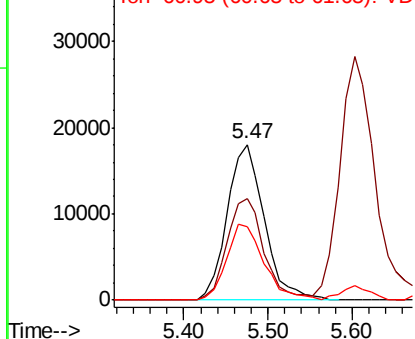


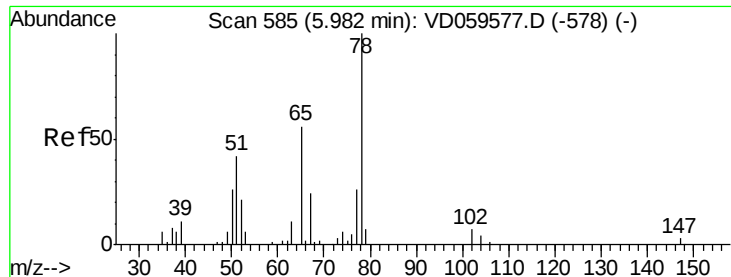
#32
1,1,1-Trichloroethane
Concen: 22.030 ug/l
RT: 5.47 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 97 Resp: 54945
Ion Ratio Lower Upper
97 100
99 65.6 50.9 76.3
61 46.7 39.2 58.8



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

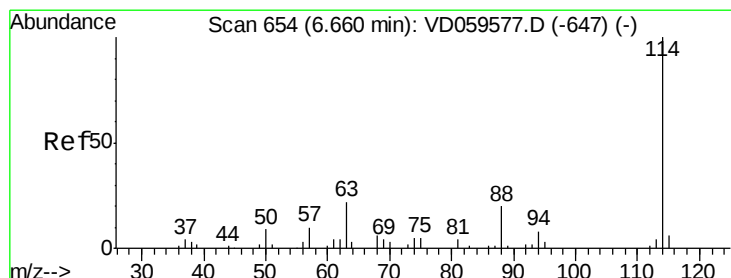
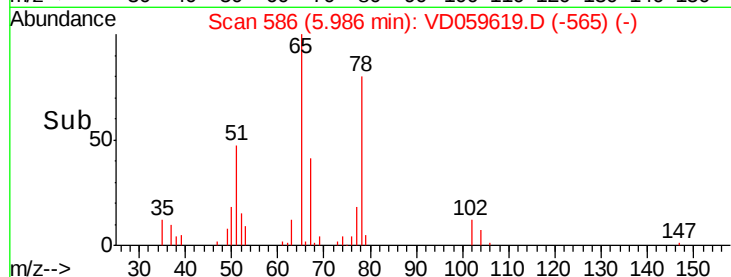
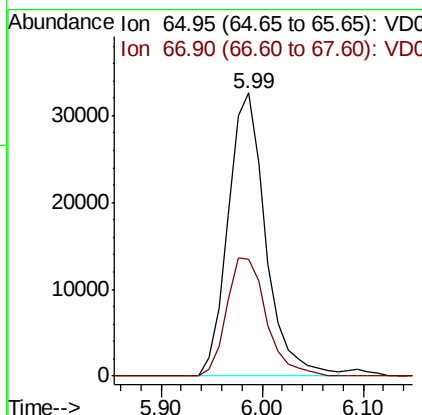
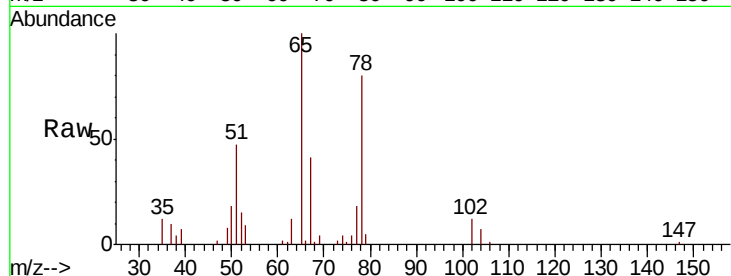




#33
 1,2-Dichloroethane-d4
 Concen: 22.030 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

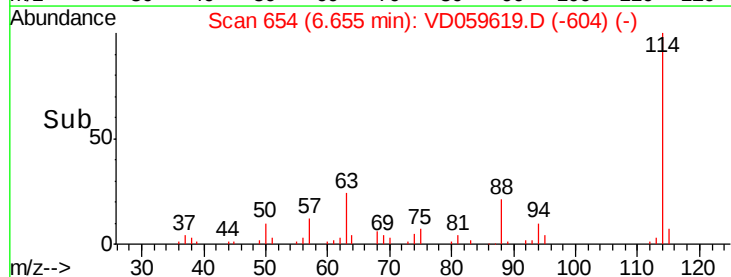
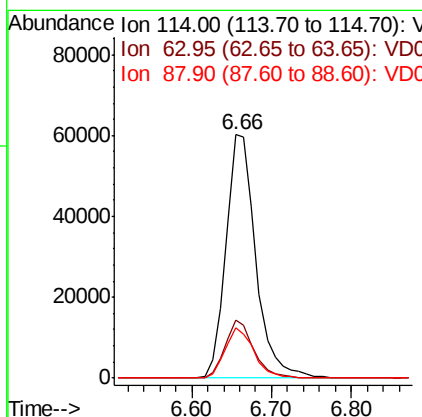
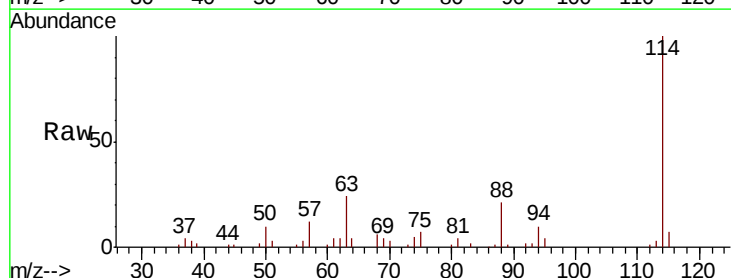
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

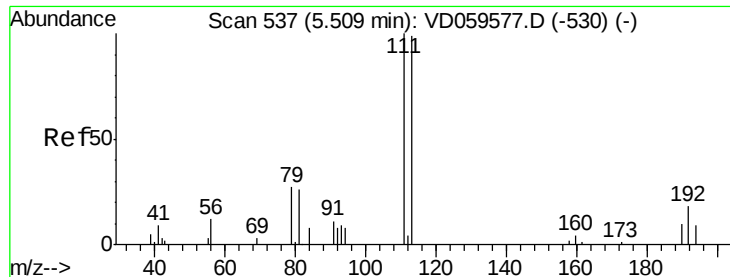
Tot Ion: 65 Resp: 84279
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 114 Resp: 158036
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 43.8
 88 20.5 0.0 39.0

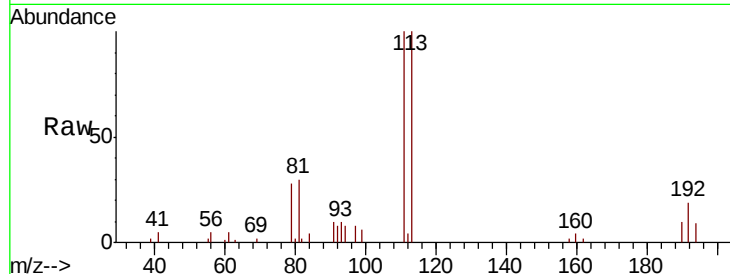




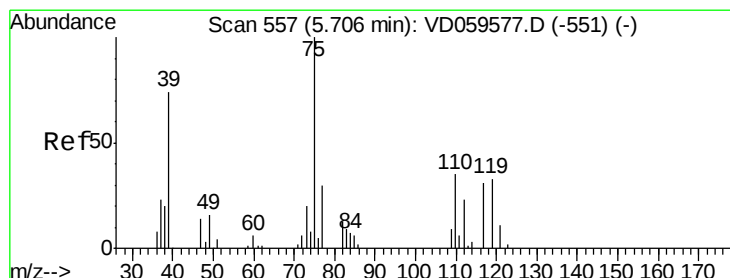
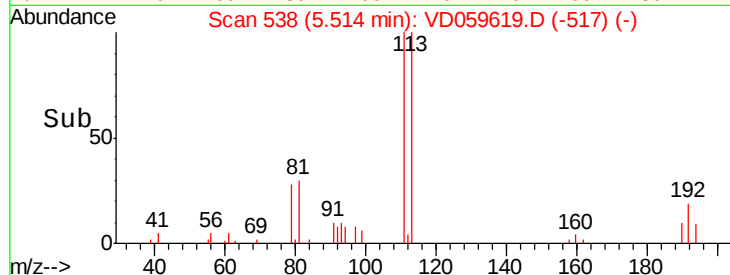
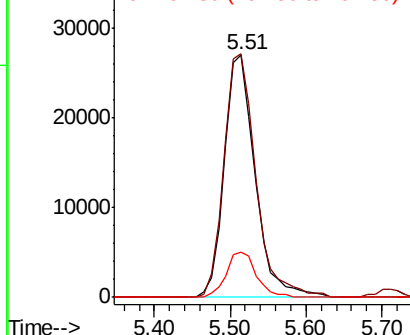
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion:113 Resp: 75982
 Ion Ratio Lower Upper
 113 100
 111 100.5 80.5 120.7
 192 18.8 14.5 21.7

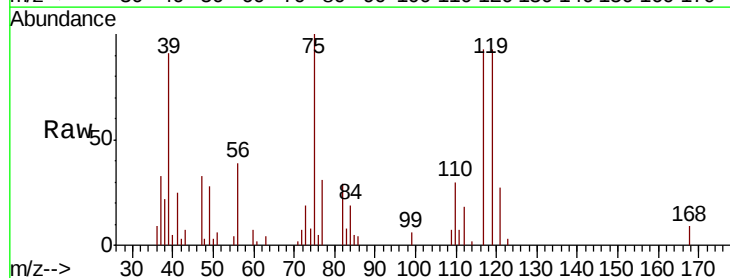


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

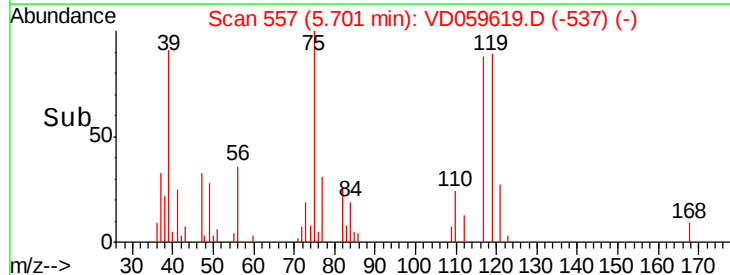
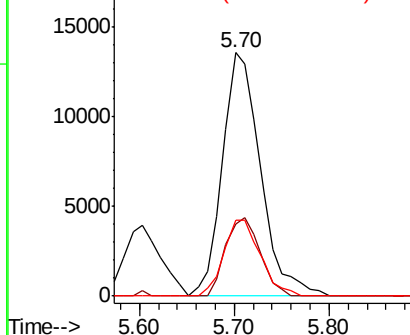


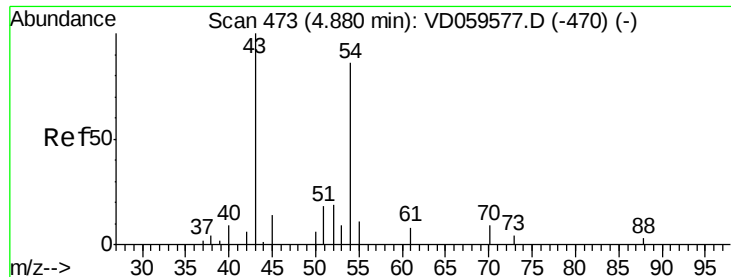
#36
 1,1-Dichloropropene
 Concen: 23.926 ug/l
 RT: 5.70 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 75 Resp: 37942
 Ion Ratio Lower Upper
 75 100
 110 29.9 17.0 50.9
 77 31.1 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

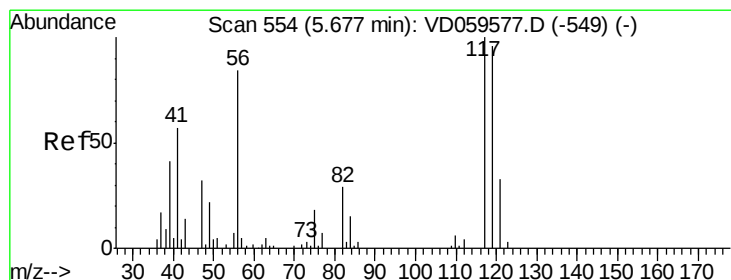
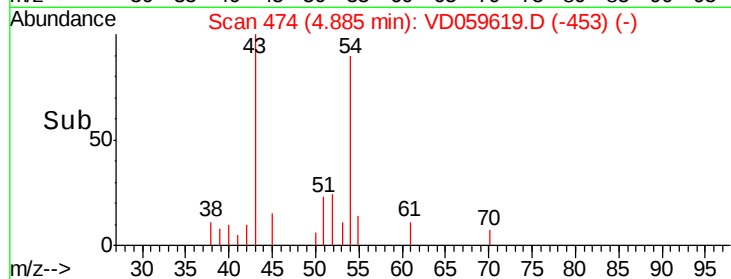
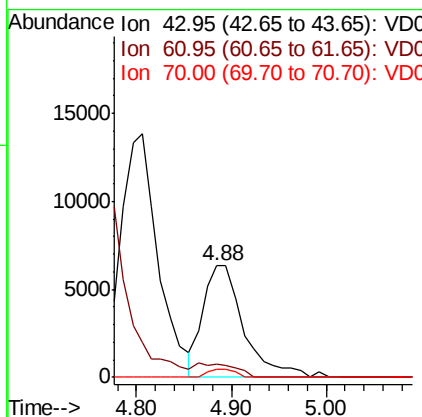
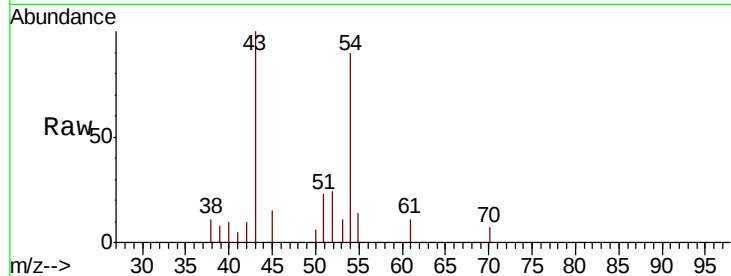




#37
Ethyl Acetate
Concen: 23.359 ug/l
RT: 4.88 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

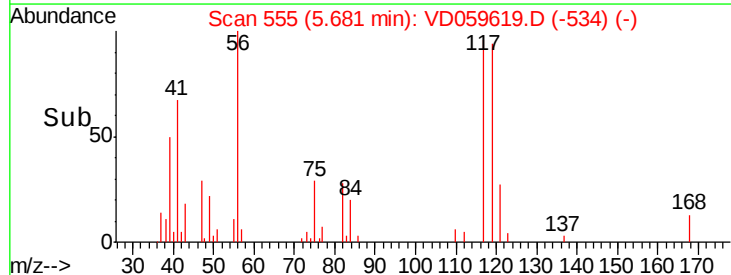
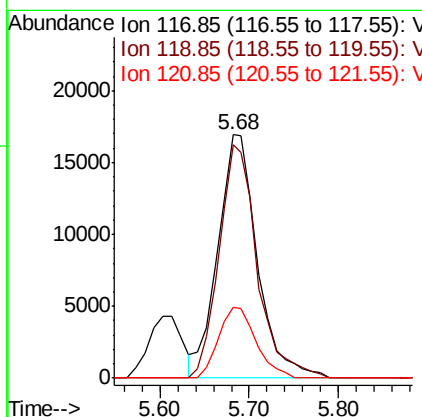
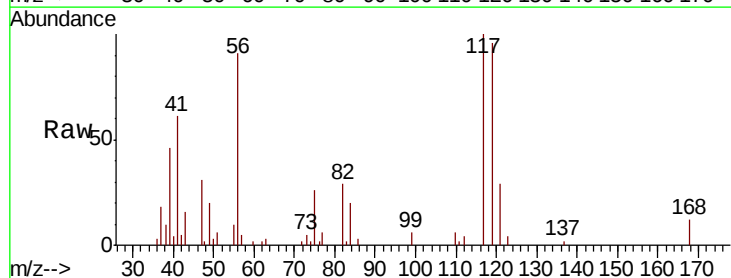
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

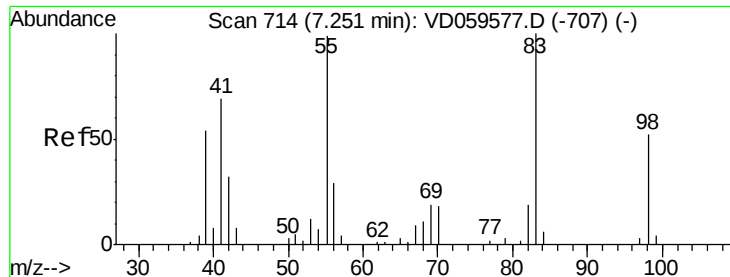
Tot Ion: 43 Resp: 19055
Ion Ratio Lower Upper
43 100
61 11.3 10.7 16.1
70 6.8 5.4 8.0



#38
Carbon Tetrachloride
Concen: 24.168 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 117 Resp: 52482
Ion Ratio Lower Upper
117 100
119 96.0 73.6 110.4
121 29.0 25.0 37.6

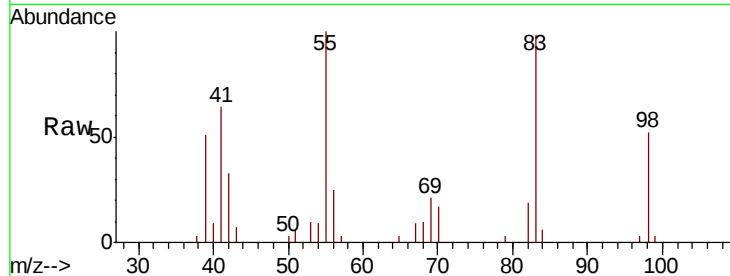




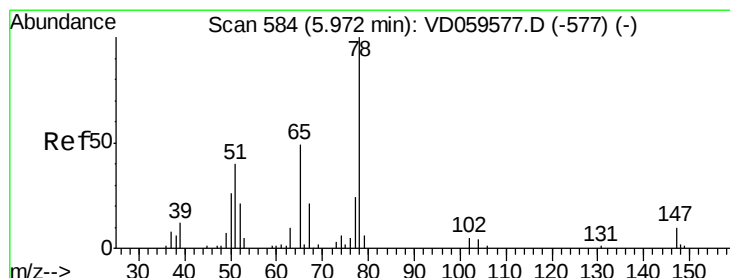
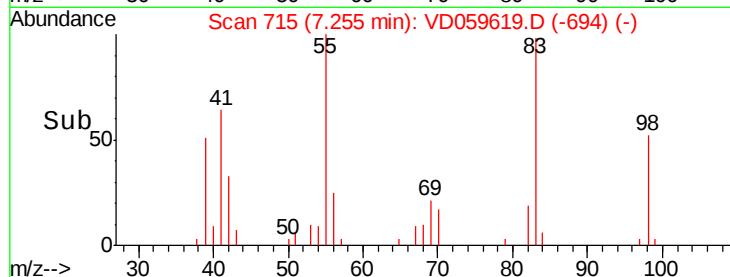
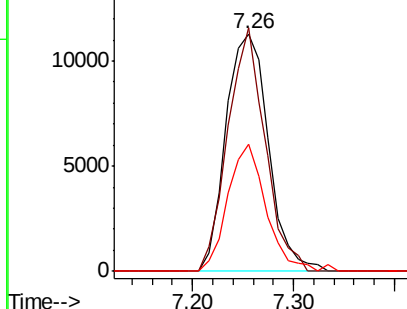
#39
Methvlcvclohexane
Concen: 22.724 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 83 Resp: 33138
Ion Ratio Lower Upper
83 100
55 102.5 79.4 119.0
98 53.8 41.6 62.4

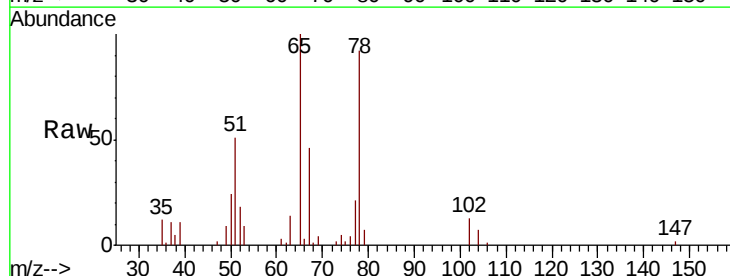


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

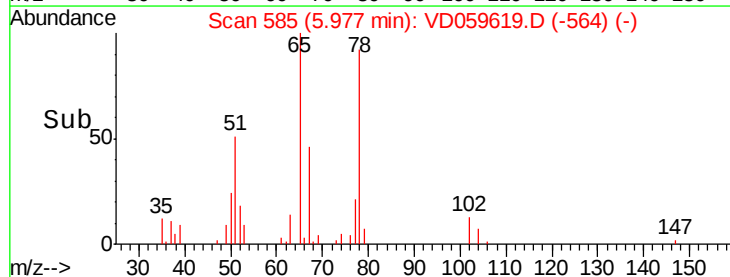
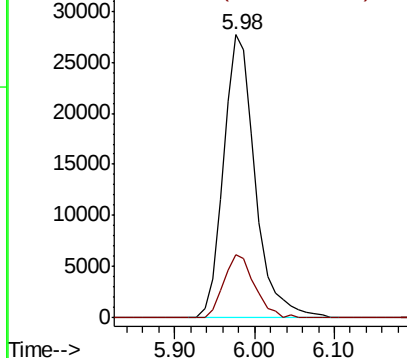


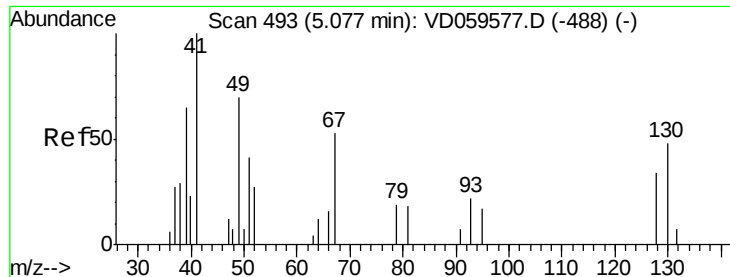
#40
Benzene
Concen: 23.597 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 78 Resp: 76737
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6



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

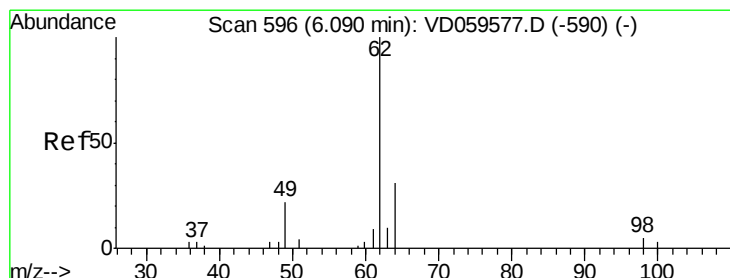
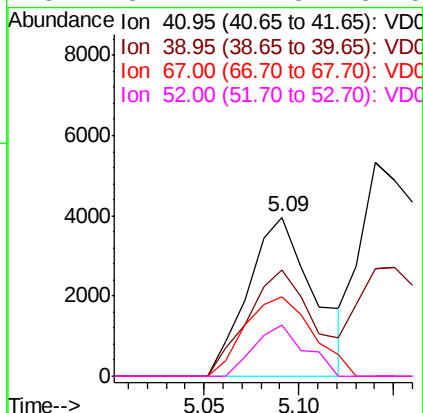
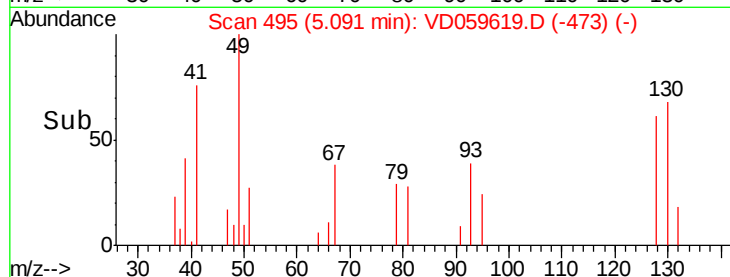
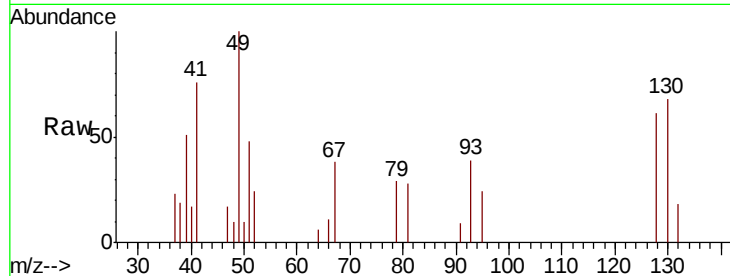




#41
Methacrylonitrile
Concen: 23.592 ug/l
RT: 5.09 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

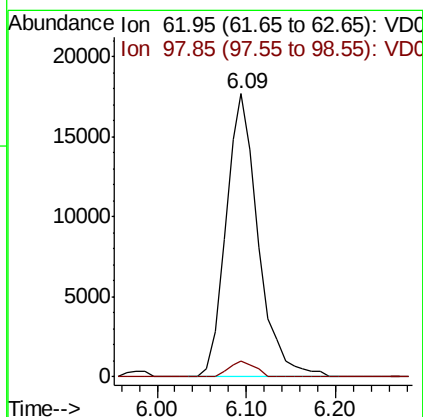
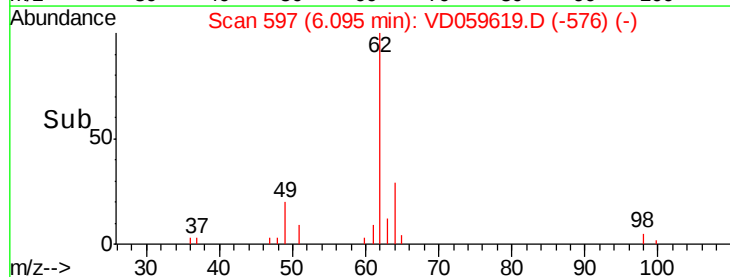
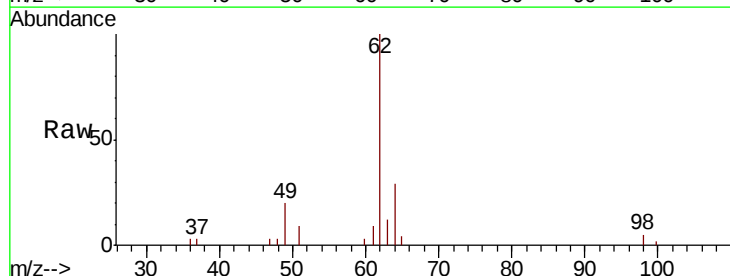
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

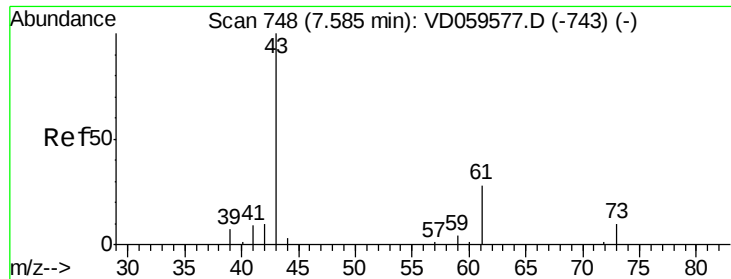
Tot Ion: 41 Resp: 9604
Ion Ratio Lower Upper
41 100
39 67.0 52.1 78.1
67 50.3 42.5 63.7
52 32.4 21.8 32.8



#42
1,2-Dichloroethane
Concen: 22.844 ug/l
RT: 6.09 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 62 Resp: 44760
Ion Ratio Lower Upper
62 100
98 5.5 0.0 10.2



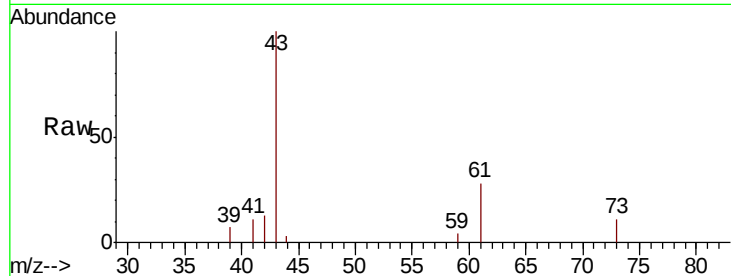


#43

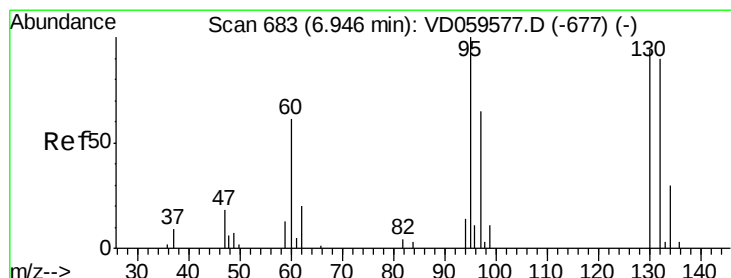
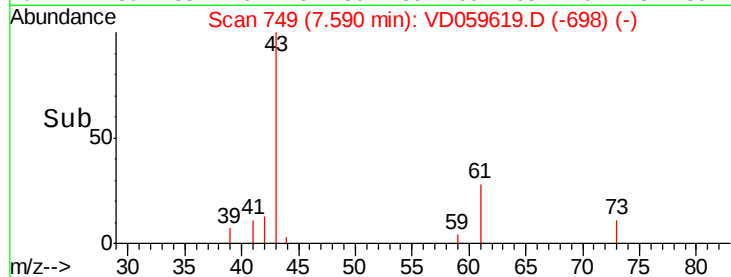
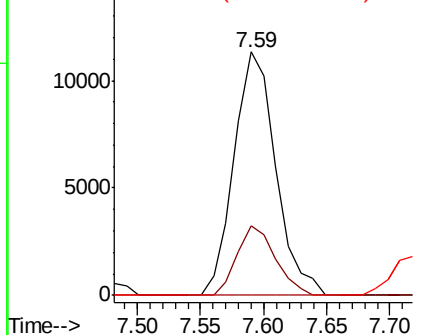
Isopropyl Acetate
 Concen: 22.970 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion: 43 Resp: 25983
 Ion Ratio Lower Upper
 43 100
 61 28.5 22.0 33.0
 87 0.0 0.0 0.0



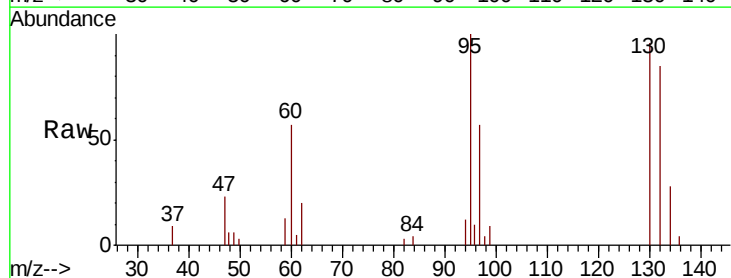
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



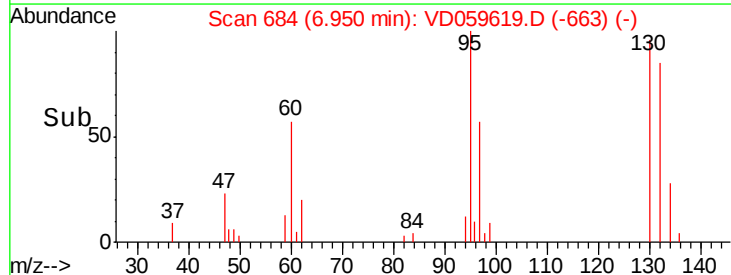
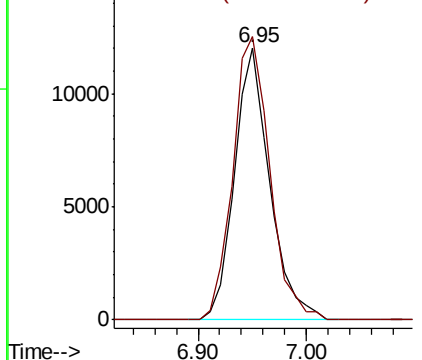
#44

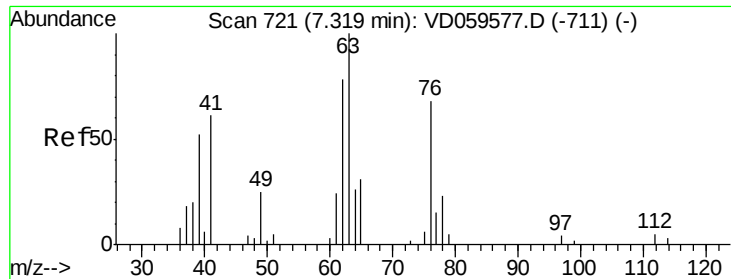
Trichloroethene
 Concen: 22.992 ug/l
 RT: 6.95 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 130 Resp: 27120
 Ion Ratio Lower Upper
 130 100
 95 104.0 0.0 213.2



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

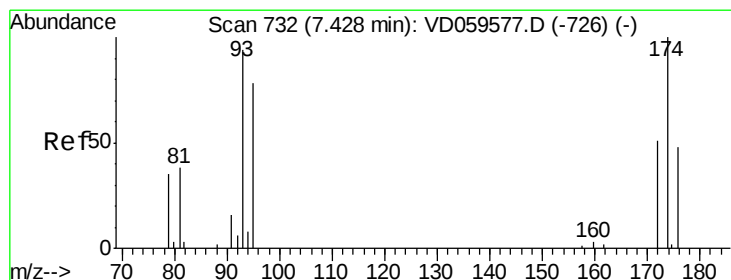
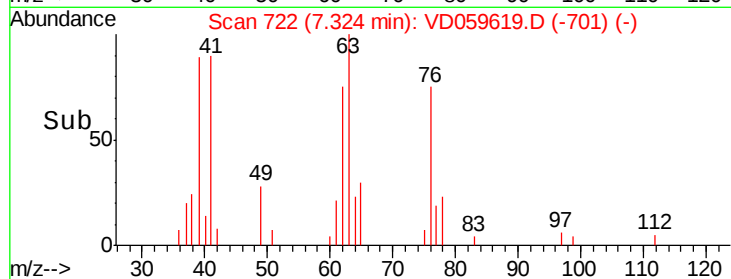
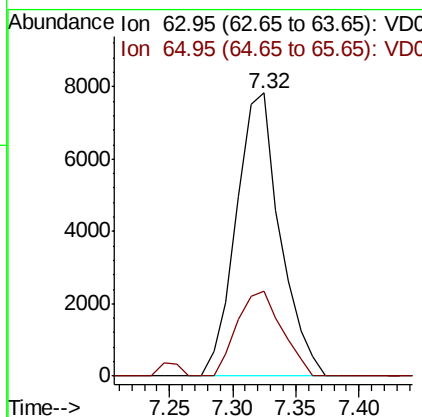
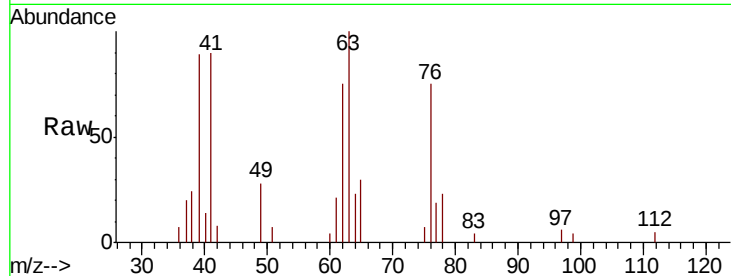




#45
 1,2-Dichloropropane
 Concen: 20.755 ug/l
 RT: 7.32 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

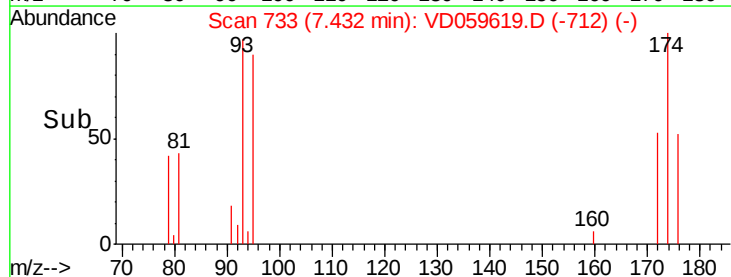
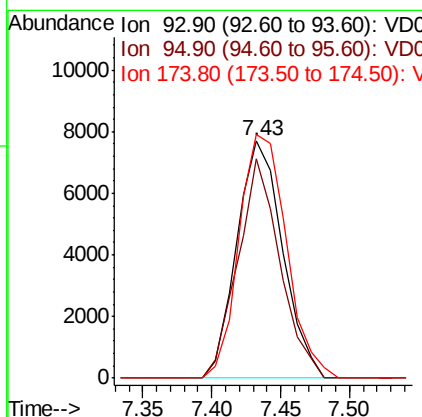
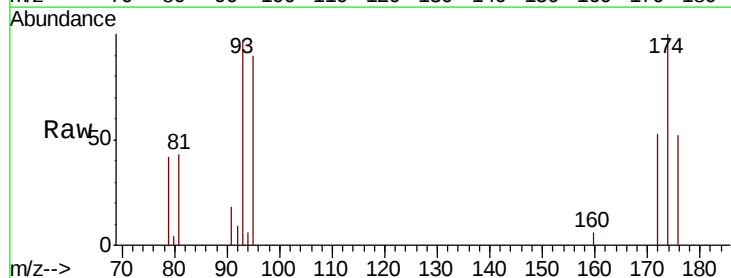
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

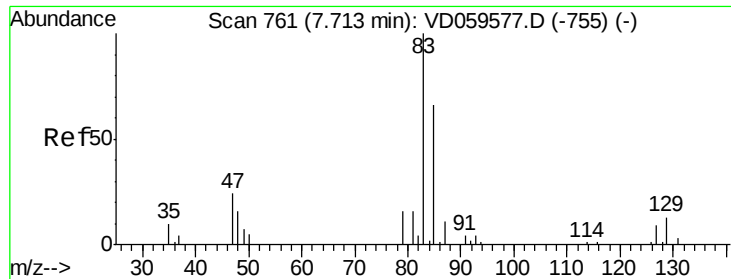
Tot Ion: 63 Resp: 18902
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.9 37.3



#46
 Dibromomethane
 Concen: 23.168 ug/l
 RT: 7.43 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 93 Resp: 17834
 Ion Ratio Lower Upper
 93 100
 95 92.3 65.8 98.8
 174 102.6 84.7 127.1





#47

Bromodichloromethane

Concen: 23.813 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

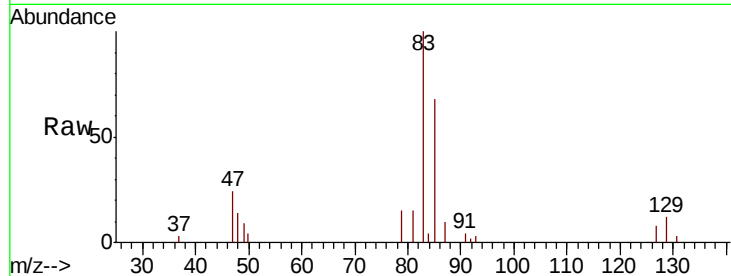
Tot Ion: 83 Resp: 43782

Ion Ratio Lower Upper

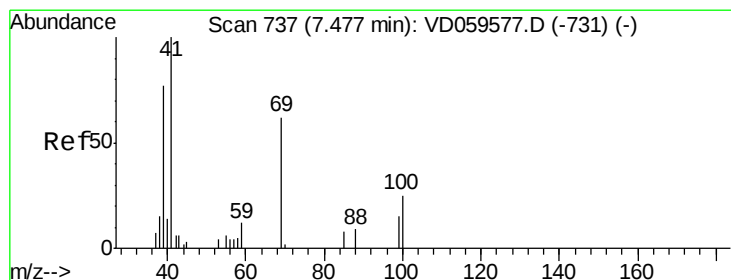
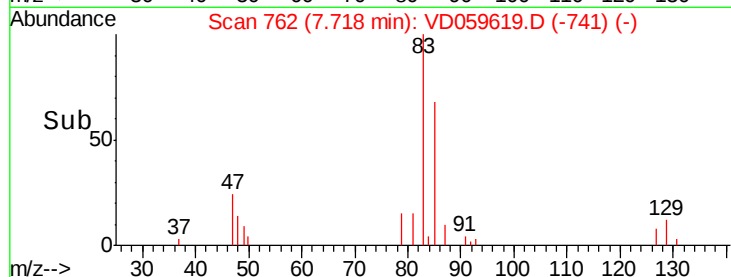
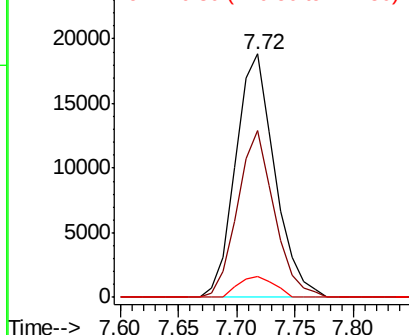
83 100

85 68.3 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: 22.424 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

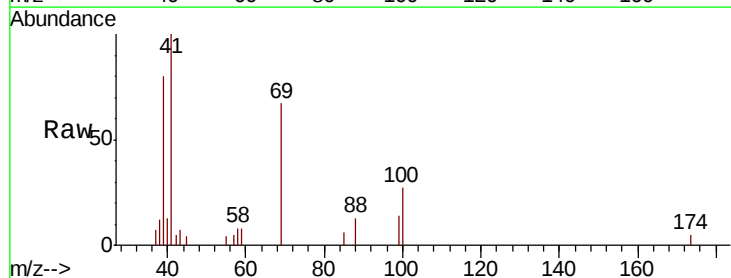
Tgt Ion: 41 Resp: 16822

Ion Ratio Lower Upper

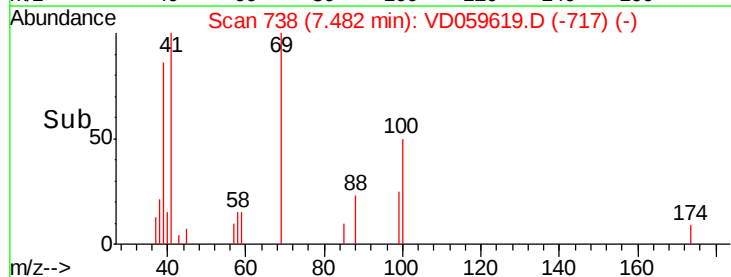
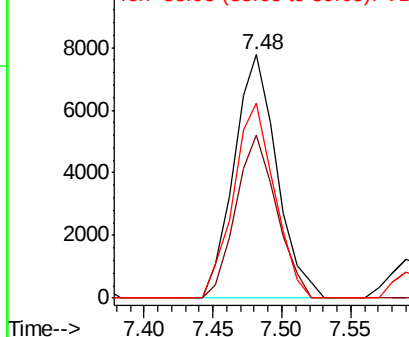
41 100

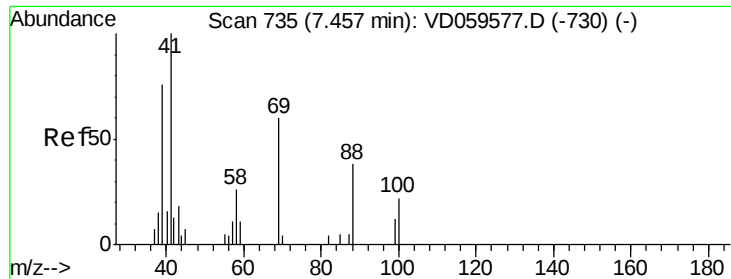
69 66.9 49.4 74.0

39 80.3 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

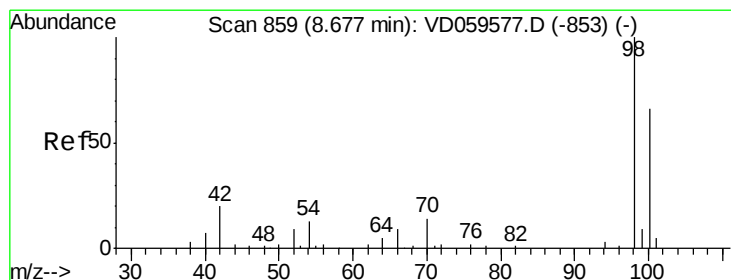
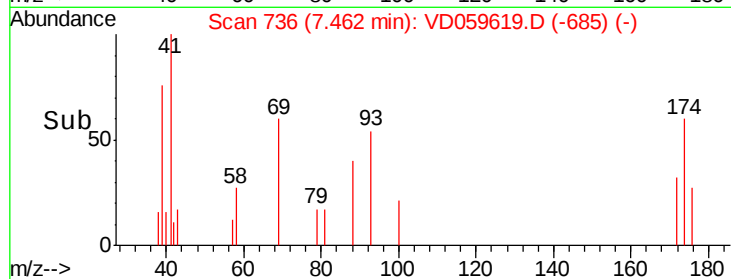
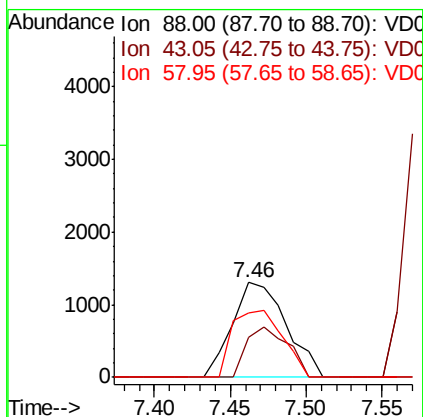
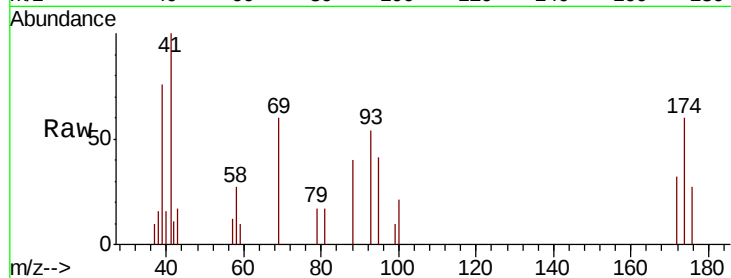




#49
1,4-Dioxane
Concen: 471.430 ug/l
RT: 7.46 min Scan# 736
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

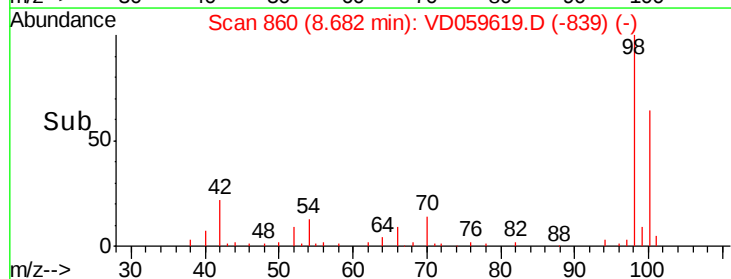
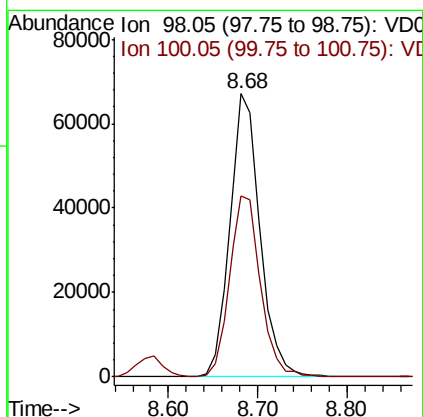
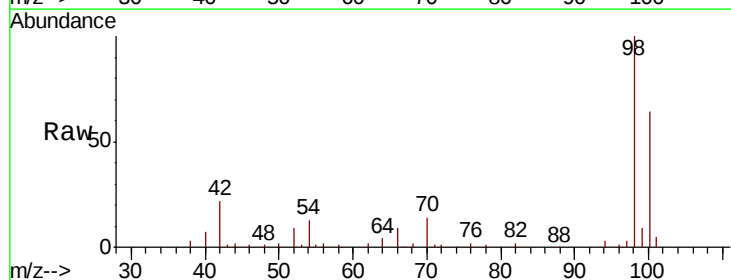
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

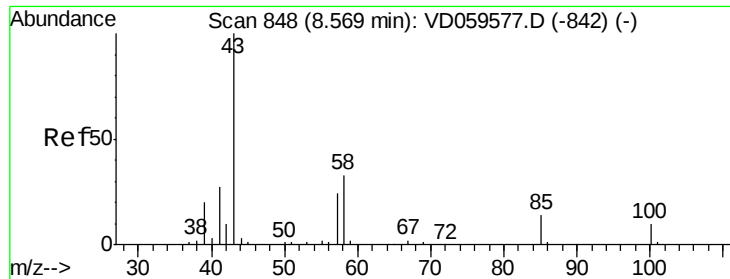
Tot Ion: 88 Resp: 3224
Ion Ratio Lower Upper
88 100
43 42.7 37.4 56.2
58 67.4 55.6 83.4



#50
Toluene-d8
Concen: 471.430 ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 98 Resp: 158015
Ion Ratio Lower Upper
98 100
100 63.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 117.087 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

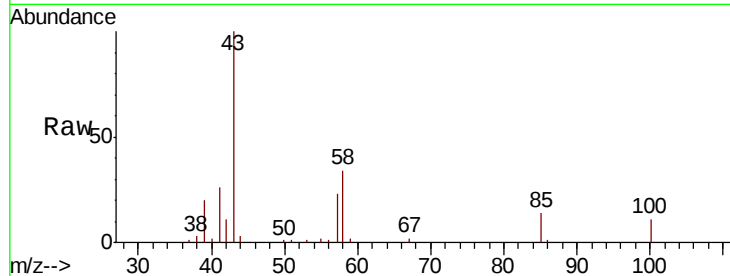
VD0727SBS01

Tot Ion: 43 Resp: 88445

Ion Ratio Lower Upper

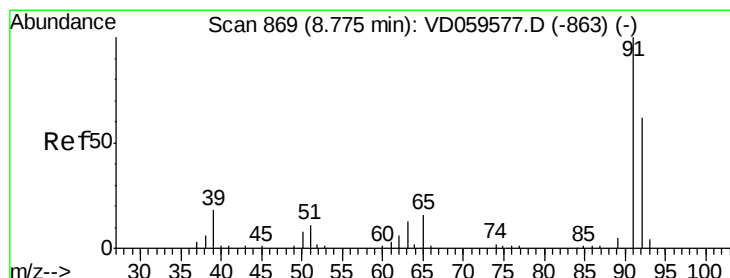
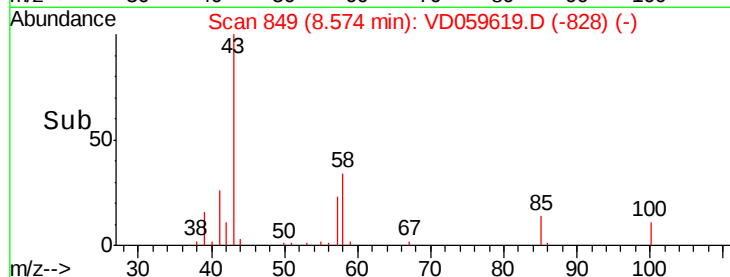
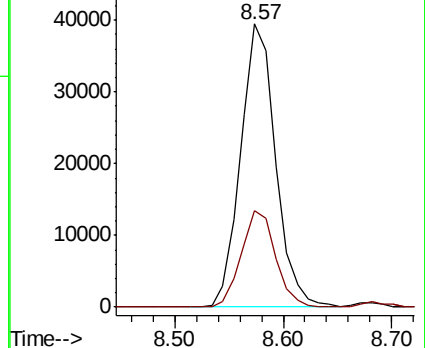
43 100

58 33.9 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: 22.361 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.00 min

Lab File: VD059619.D

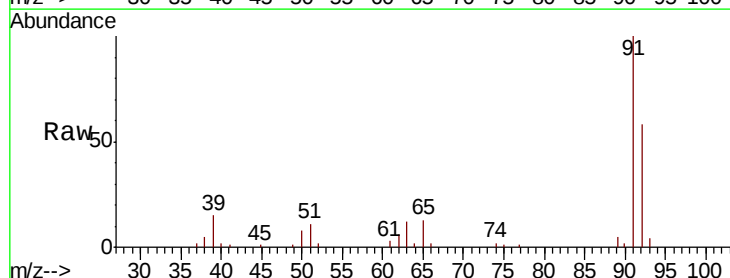
Acq: 27 Jul 2018 18:52

Tgt Ion: 92 Resp: 48219

Ion Ratio Lower Upper

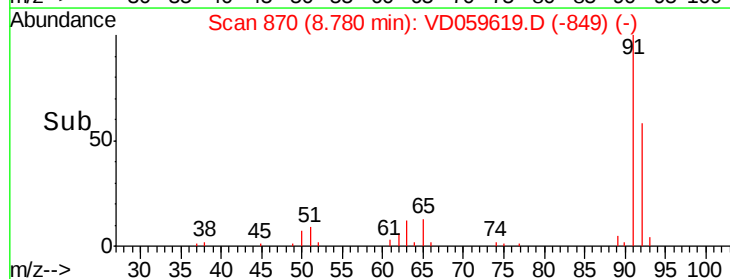
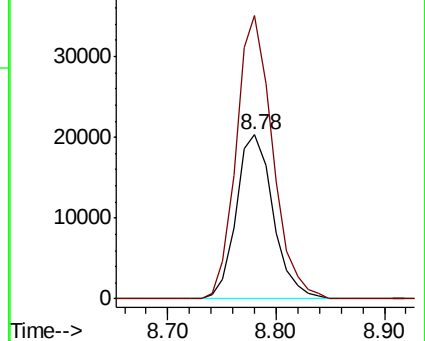
92 100

91 172.7 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

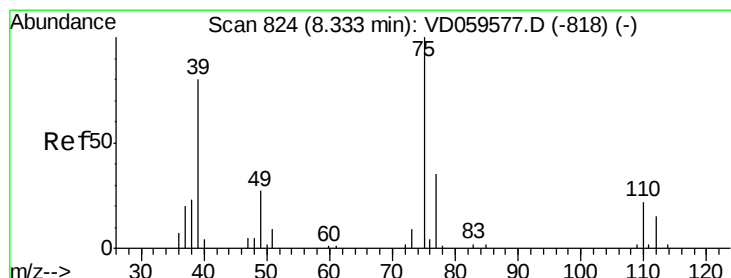
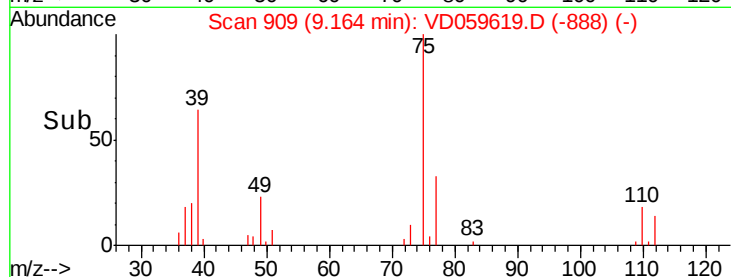
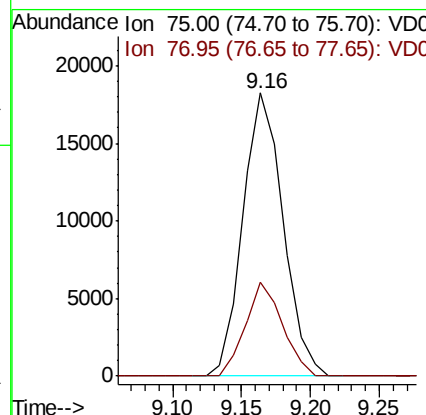
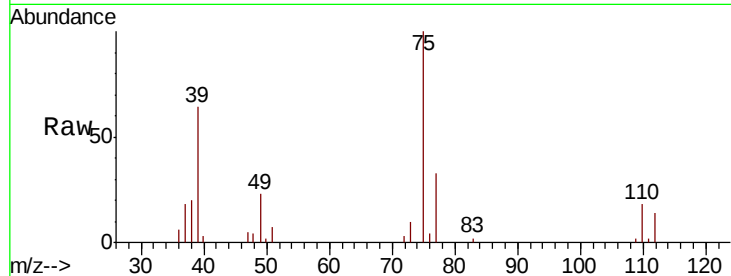




#53
t-1,3-Dichloropropene
Concen: 22.372 ug/l
RT: 9.16 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

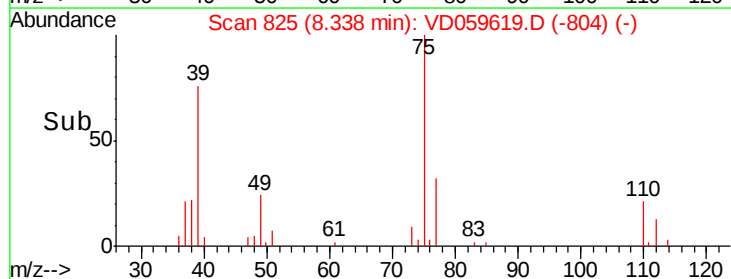
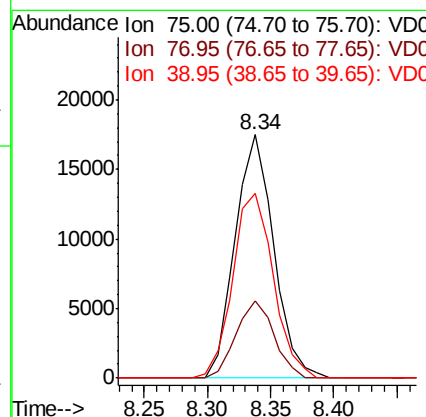
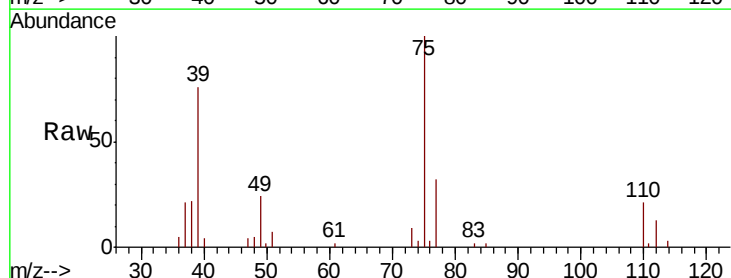
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

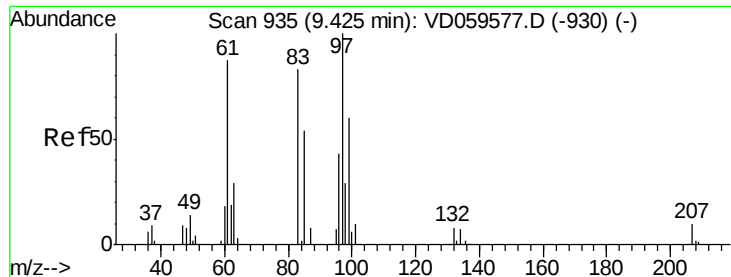
Tot Ion: 75 Resp: 37099
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 22.519 ug/l
RT: 8.34 min Scan# 825
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 75 Resp: 37083
Ion Ratio Lower Upper
75 100
77 31.7 27.7 41.5
39 75.6 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 23.282 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 97 Resp: 18862

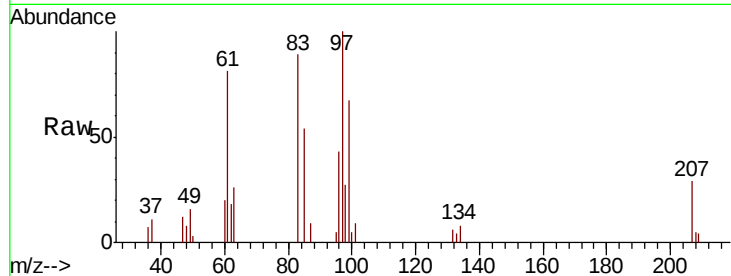
Ion Ratio Lower Upper

97 100

83 88.9 66.3 99.5

85 53.6 43.0 64.6

99 67.0 47.7 71.5

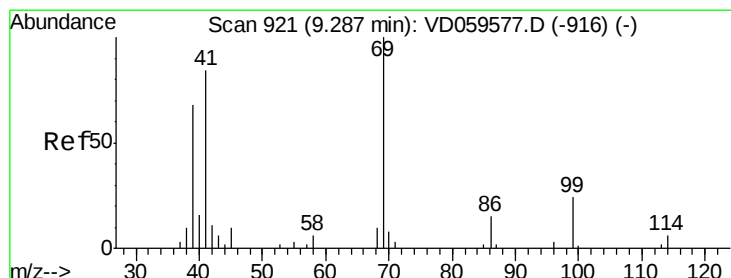
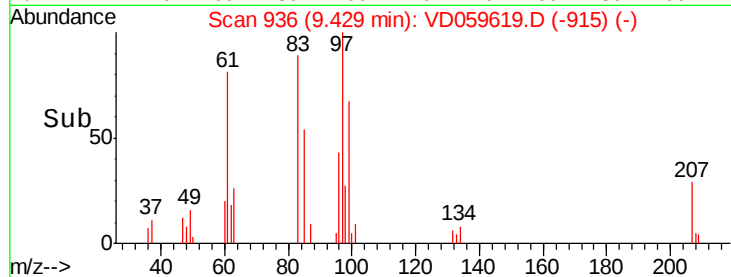
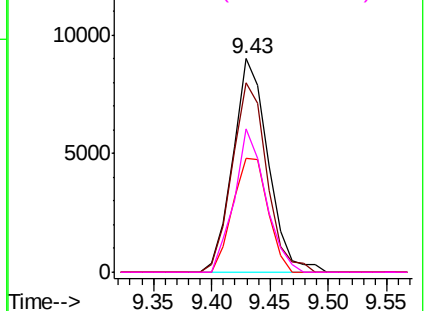


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.574 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

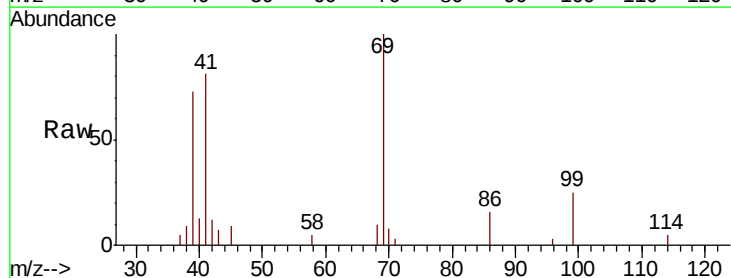
Tgt Ion: 69 Resp: 21668

Ion Ratio Lower Upper

69 100

41 80.8 66.8 100.2

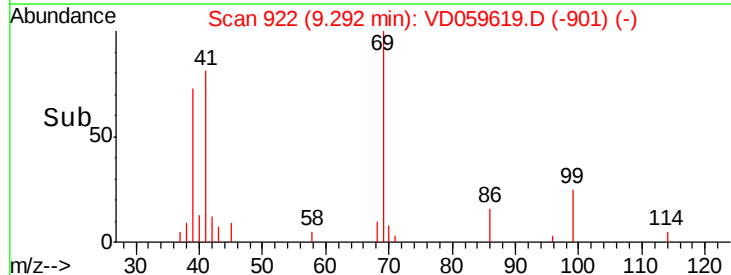
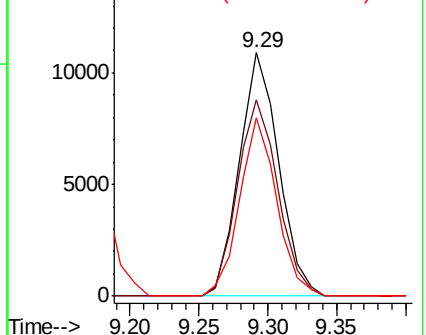
39 73.5 54.7 82.1

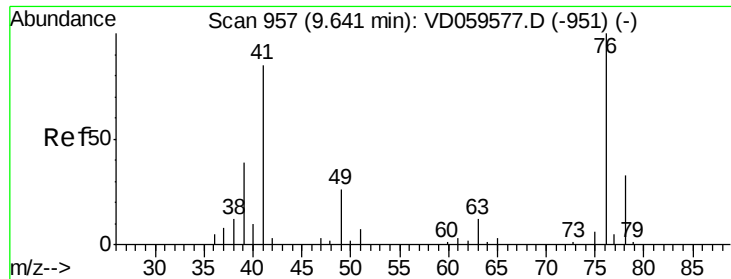


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.001 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

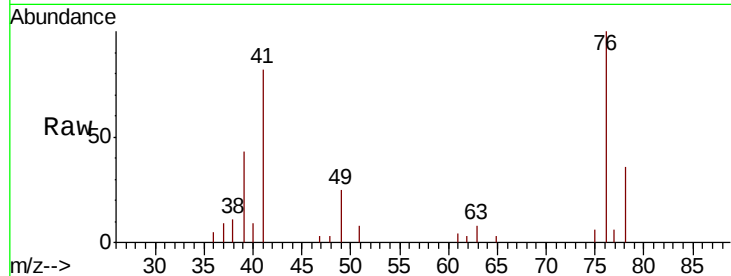
VD0727SBS01

Tot Ion: 76 Resp: 28321

Ion Ratio Lower Upper

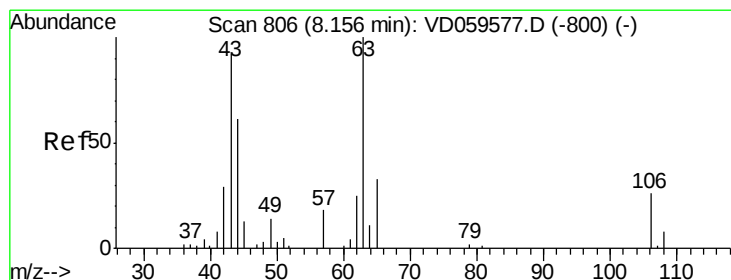
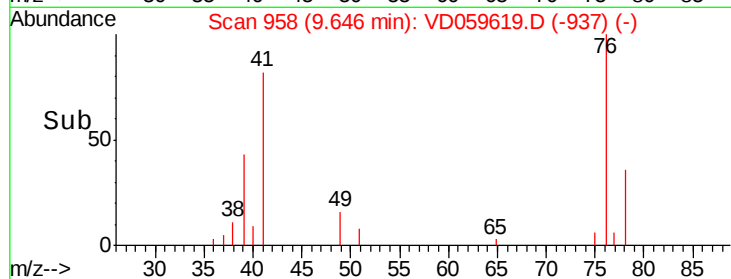
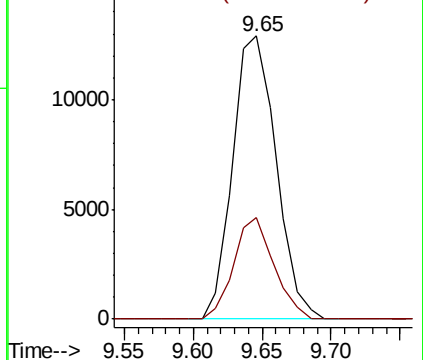
76 100

78 35.9 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.794 ug/l

RT: 8.16 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD059619.D

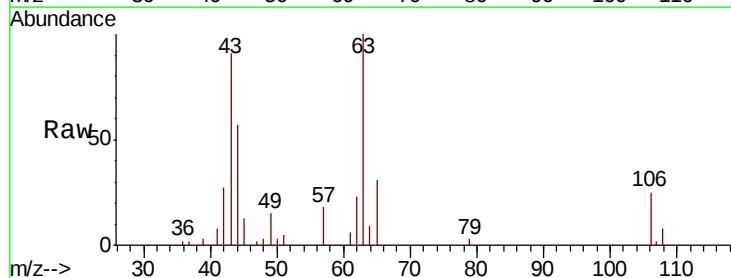
Acq: 27 Jul 2018 18:52

Tgt Ion: 63 Resp: 45691

Ion Ratio Lower Upper

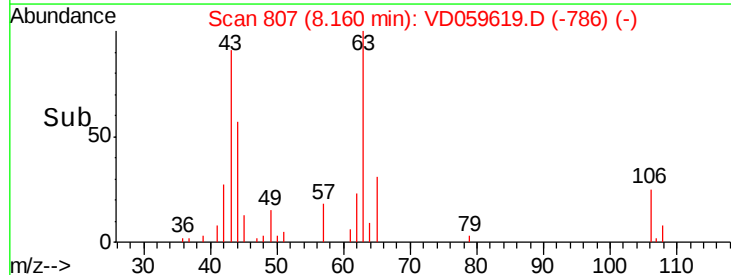
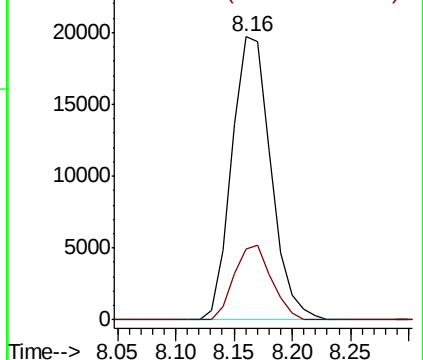
63 100

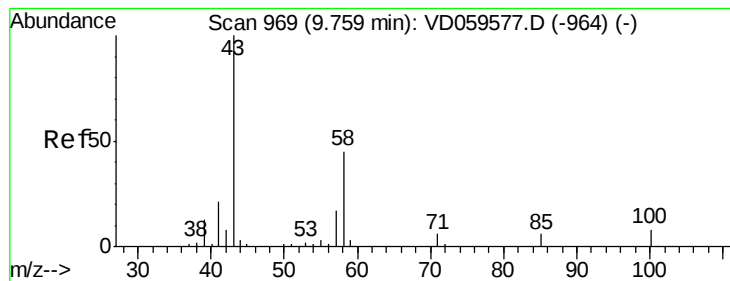
106 24.9 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 105.005 ug/l

RT: 9.76 min Scan# 970

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

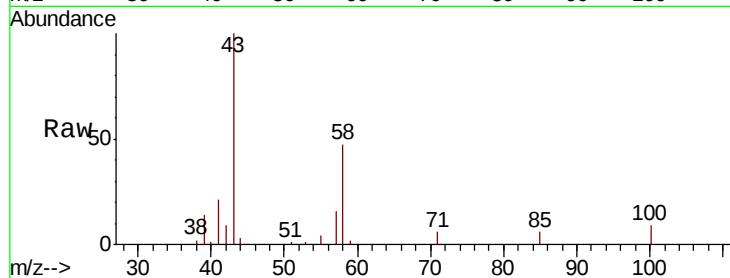
VD0727SBS01

Tot Ion: 43 Resp: 63002

Ion Ratio Lower Upper

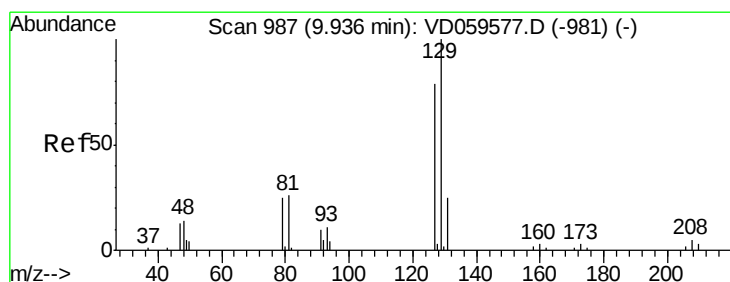
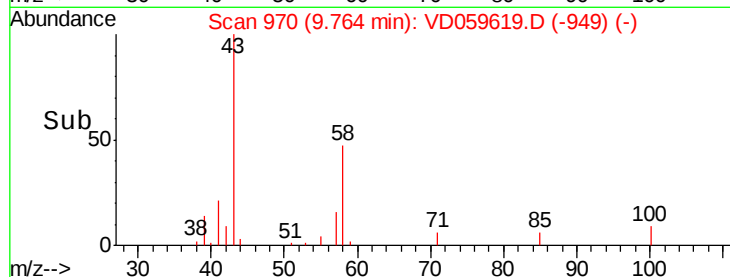
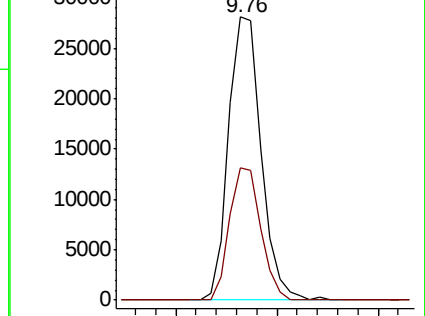
43 100

58 46.9 22.7 68.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.592 ug/l

RT: 9.94 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD059619.D

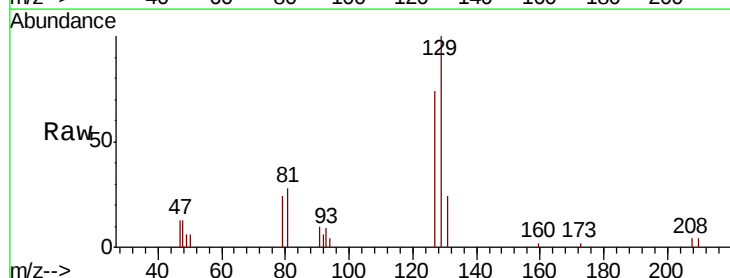
Acq: 27 Jul 2018 18:52

Tgt Ion:129 Resp: 30385

Ion Ratio Lower Upper

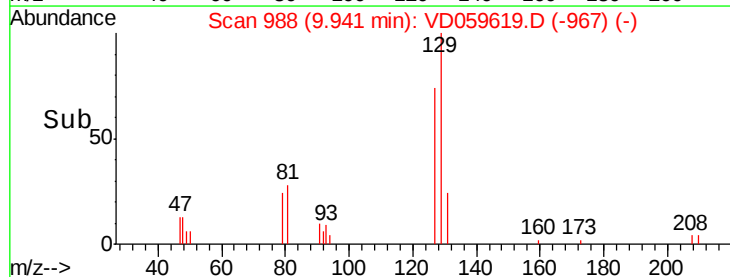
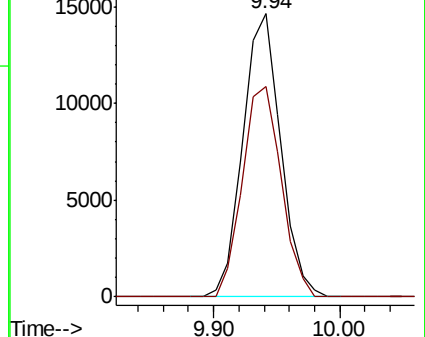
129 100

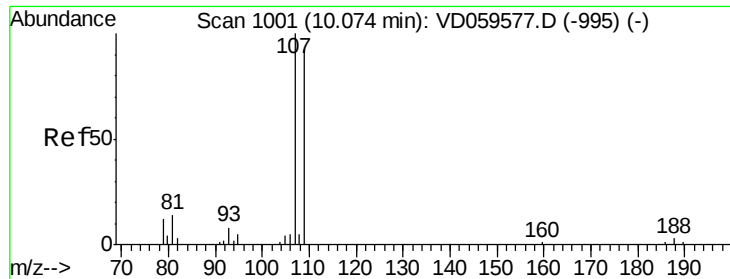
127 74.4 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.976 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

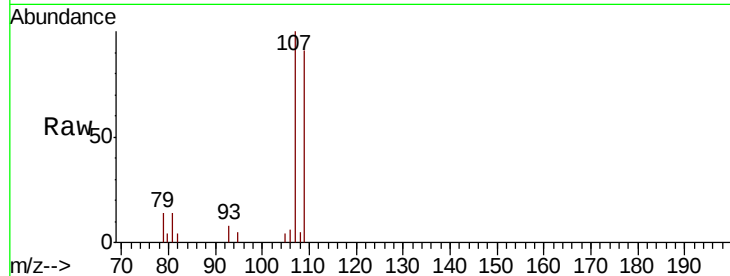
VD0727SBS01

Tot Ion:107 Resp: 22058

Ion Ratio Lower Upper

107 100

109 91.0 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.07

12000

10000

8000

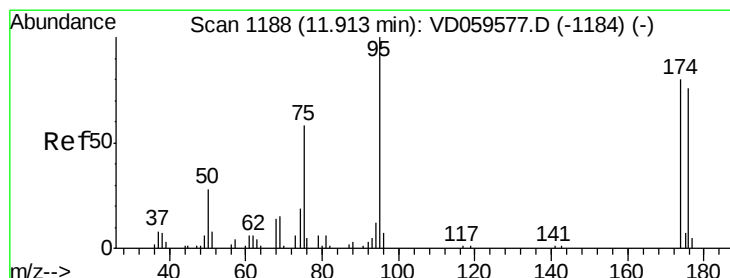
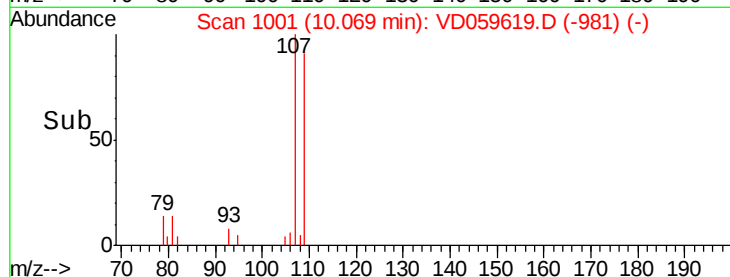
6000

4000

2000

0

Time--> 10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 22.976 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

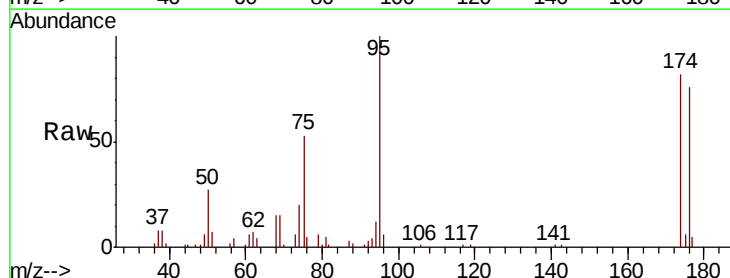
Tgt Ion: 95 Resp: 75046

Ion Ratio Lower Upper

95 100

174 81.8 0.0 160.6

176 76.2 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

11.92

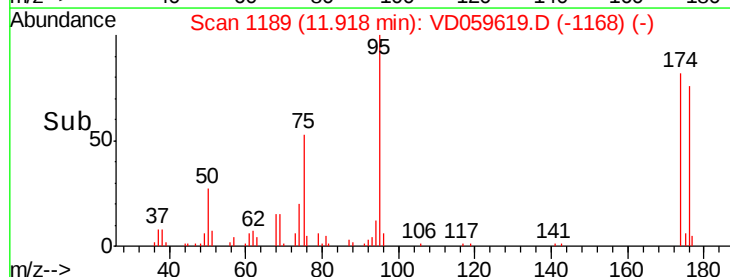
60000

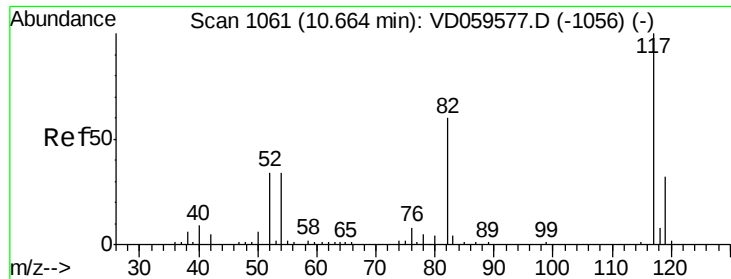
40000

20000

0

Time--> 11.85 11.90 11.95 12.00

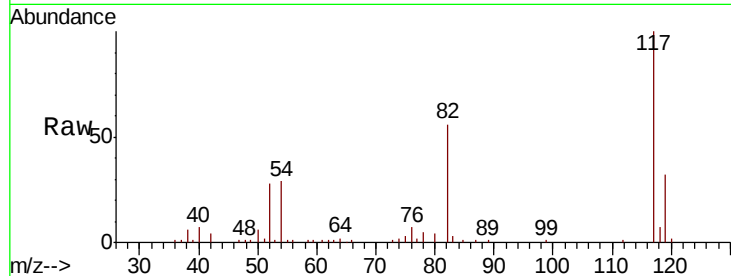




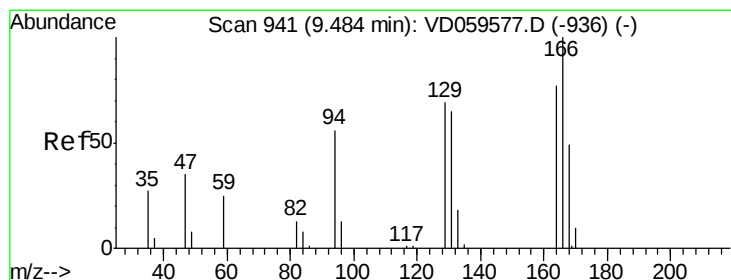
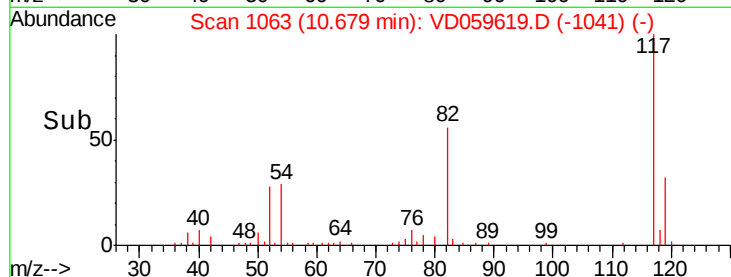
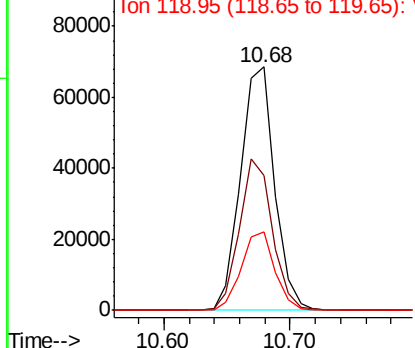
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion:117 Resp: 128088
Ion Ratio Lower Upper
117 100
82 55.5 48.2 72.2
119 32.4 25.4 38.2

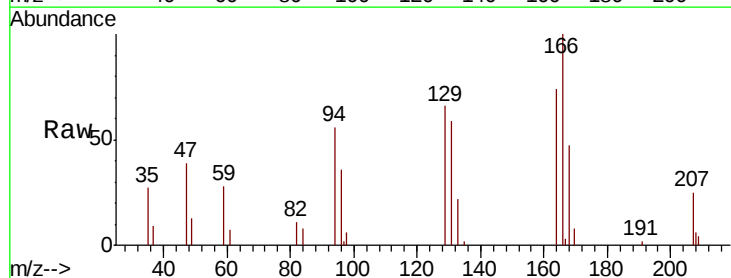


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

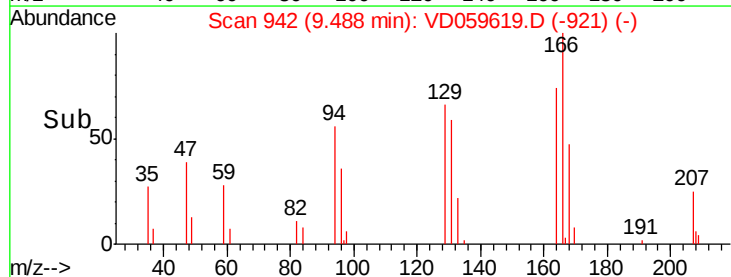
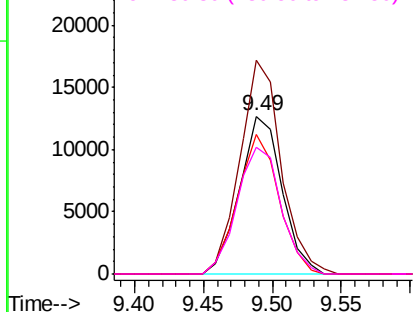


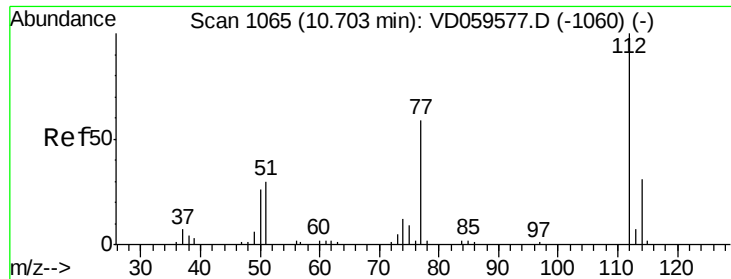
#64
Tetrachloroethene
Concen: 23.427 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion:164 Resp: 27193
Ion Ratio Lower Upper
164 100
166 135.5 104.0 156.0
129 88.9 72.2 108.4
131 80.5 67.7 101.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

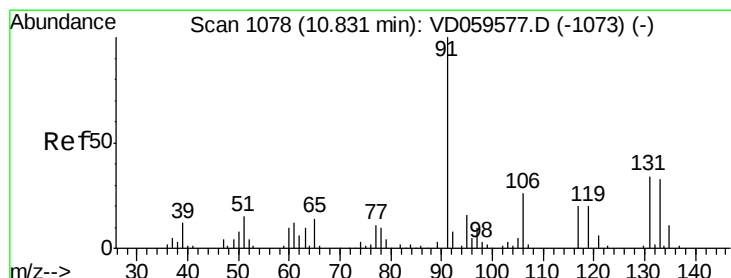
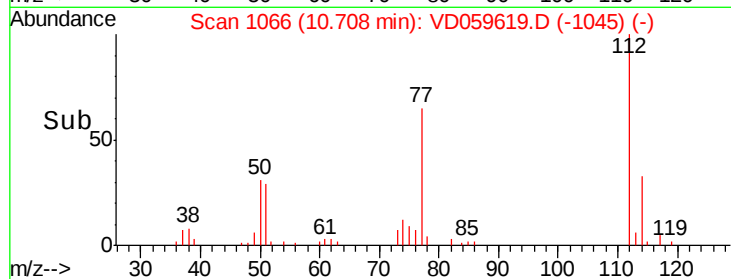
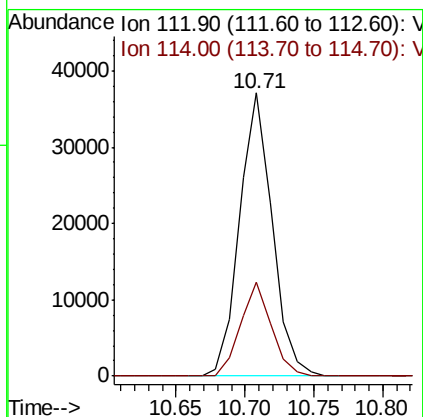
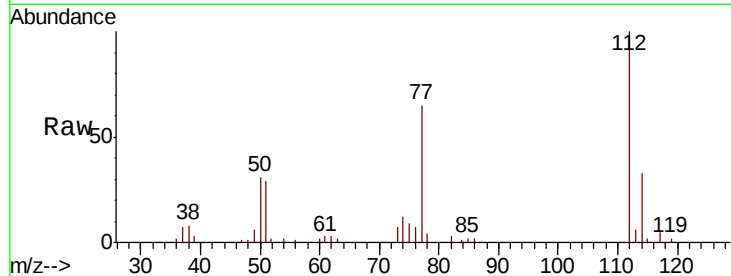




#65
Chlorobenzene
Concen: 23.373 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

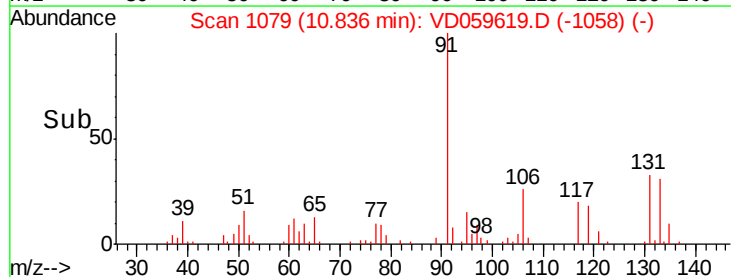
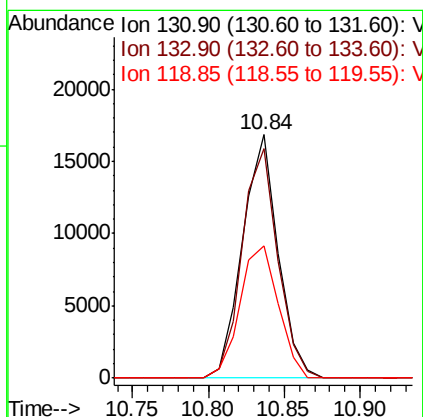
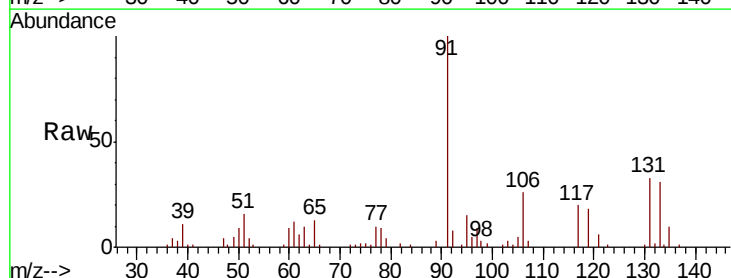
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

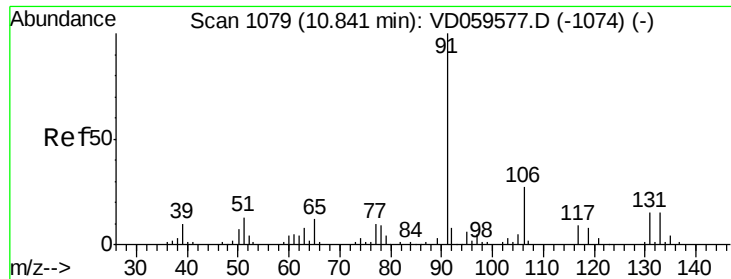
Tot Ion:112 Resp: 61371
Ion Ratio Lower Upper
112 100
114 33.4 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 24.089 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion:131 Resp: 27513
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 54.2 28.7 86.1

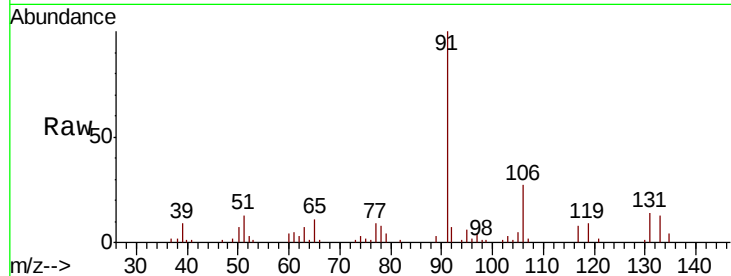




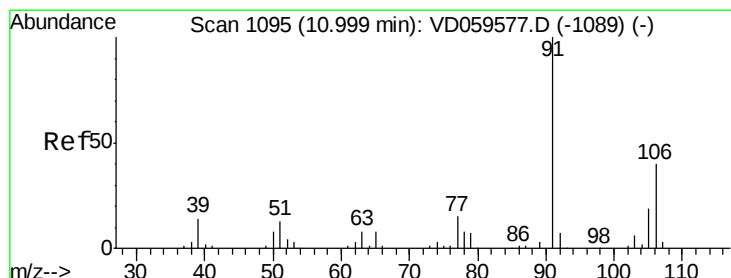
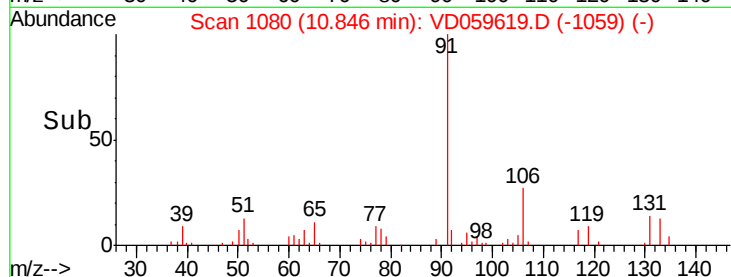
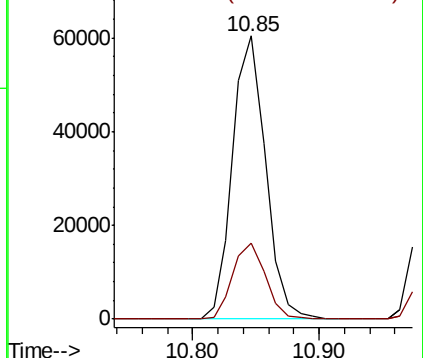
#67
Ethyl Benzene
Concen: 24.240 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 91 Resp: 109411
Ion Ratio Lower Upper
91 100
106 26.7 21.6 32.4

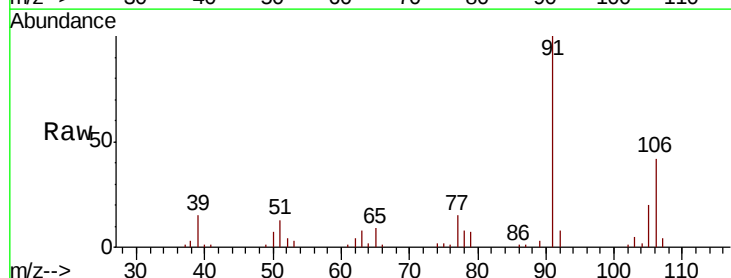


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

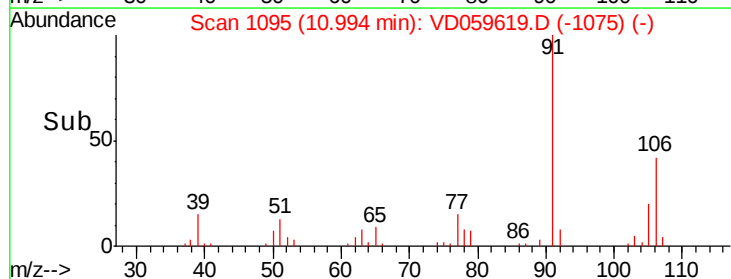
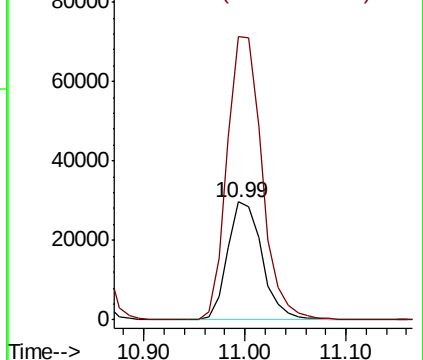


#68
m/p-Xylenes
Concen: 46.463 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 106 Resp: 70041
Ion Ratio Lower Upper
106 100
91 240.6 198.2 297.4



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

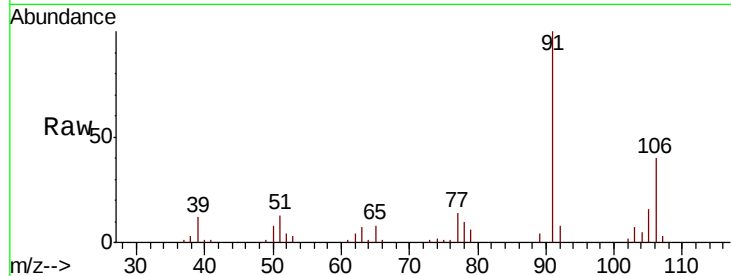




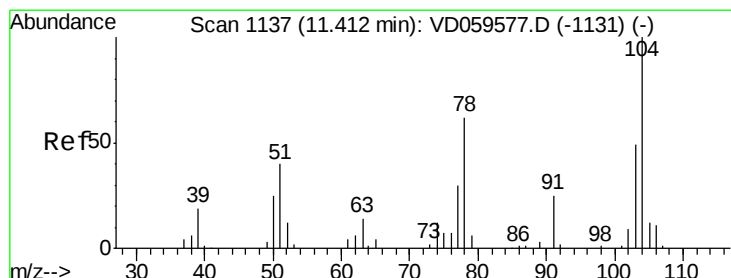
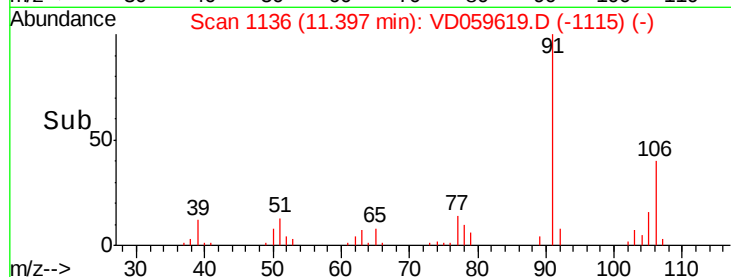
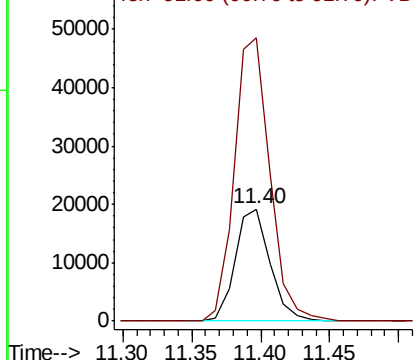
#69
o-Xylene
Concen: 23.070 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion:106 Resp: 33745
Ion Ratio Lower Upper
106 100
91 252.4 122.7 368.1

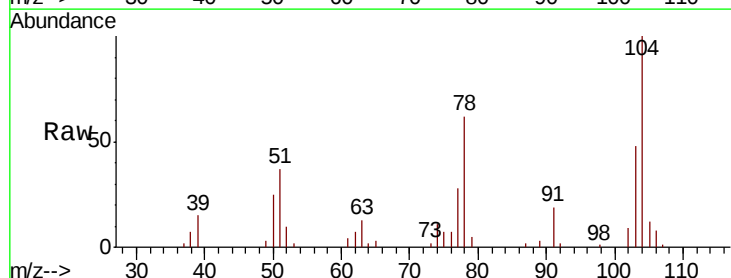


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

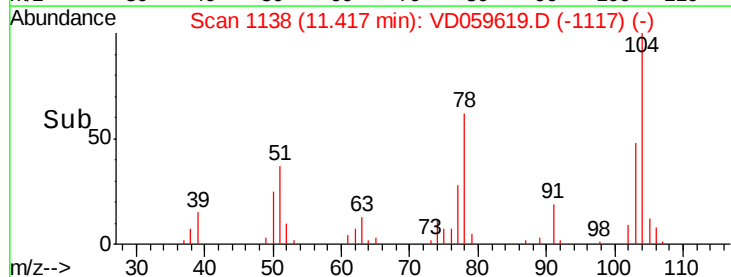
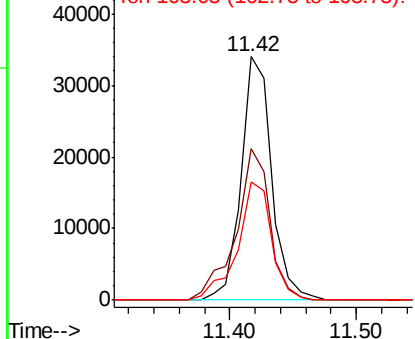


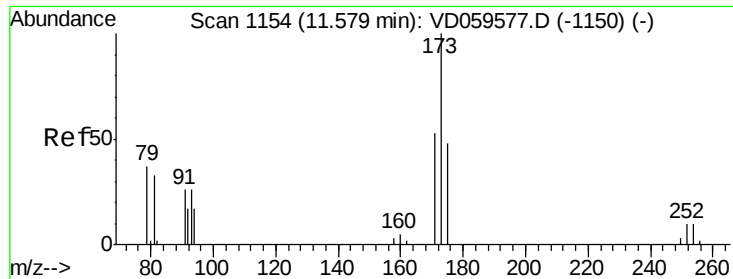
#70
Styrene
Concen: 23.466 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion:104 Resp: 56913
Ion Ratio Lower Upper
104 100
78 62.1 49.4 74.0
103 48.3 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: 22.043 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

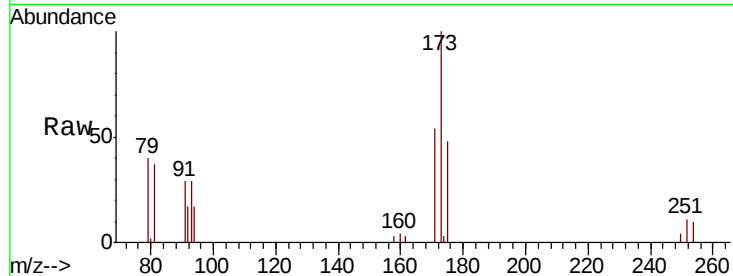
Tot Ion:173 Resp: 20501

Ion Ratio Lower Upper

173 100

175 48.3 23.8 71.4

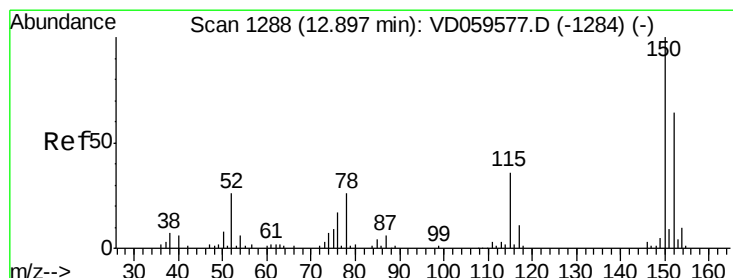
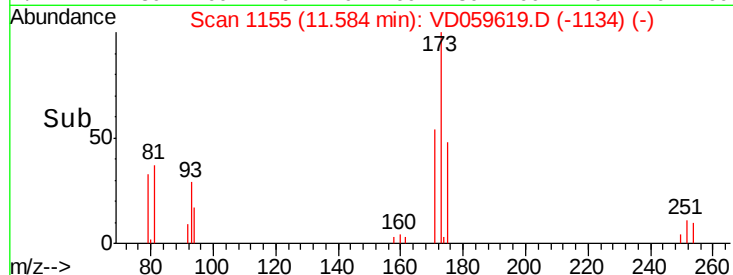
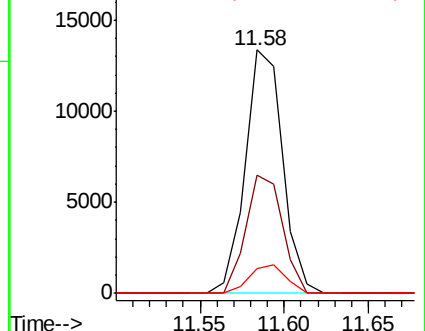
254 10.0 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

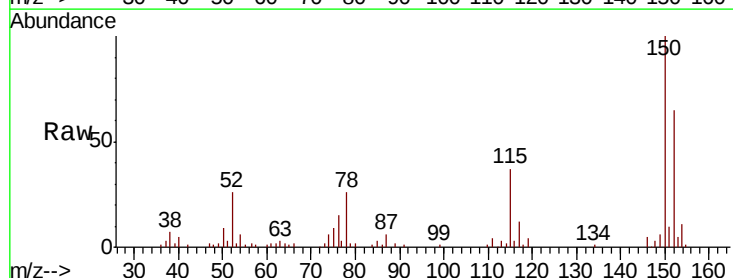
Tgt Ion:152 Resp: 67803

Ion Ratio Lower Upper

152 100

115 56.7 29.5 88.6

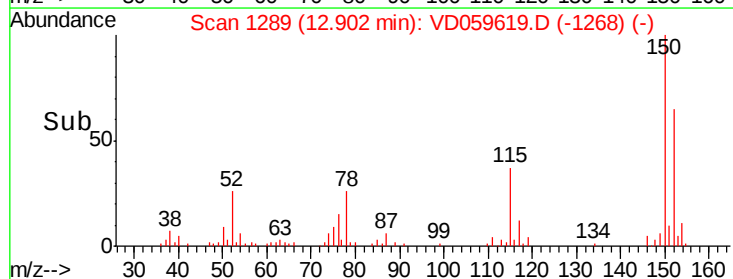
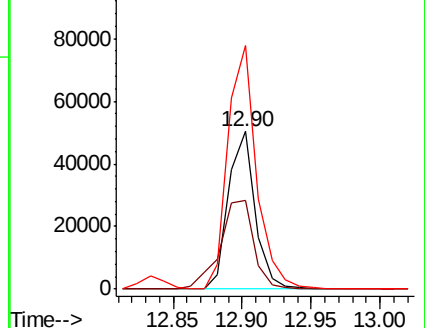
150 154.7 0.0 314.4

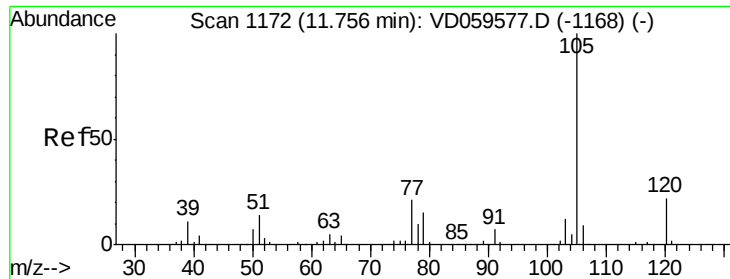


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.309 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

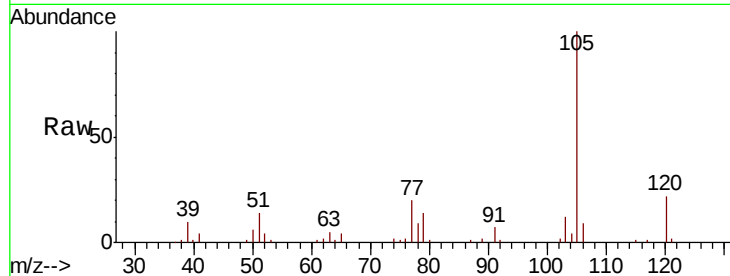
VD0727SBS01

Tot Ion:105 Resp: 106861

Ion Ratio Lower Upper

105 100

120 22.5 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

80000

60000

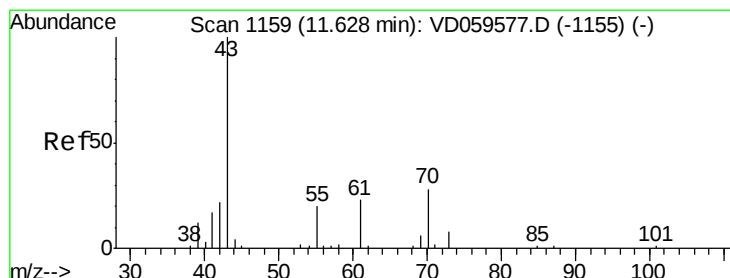
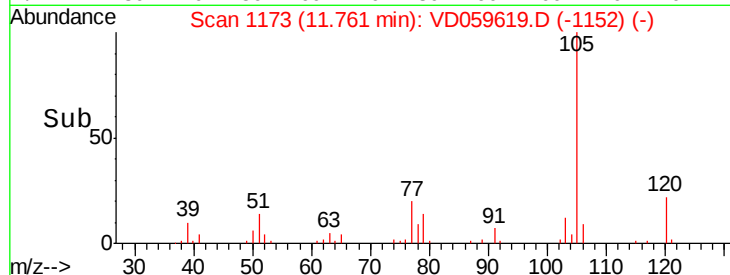
40000

20000

0

11.70 11.75 11.80 11.85

Time-->



#74

N-ethyl acetate

Concen: 21.682 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Tgt Ion: 43 Resp: 35584

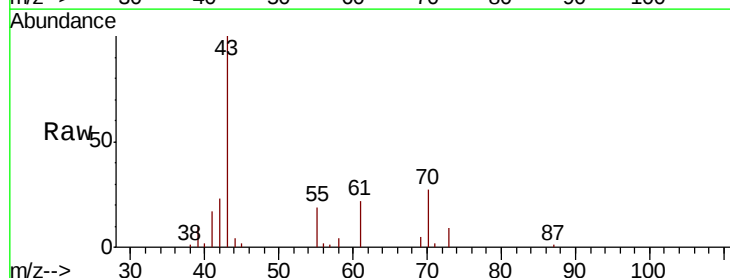
Ion Ratio Lower Upper

43 100

70 26.6 22.0 33.0

55 19.2 16.2 24.2

61 22.3 18.6 27.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

40000

30000

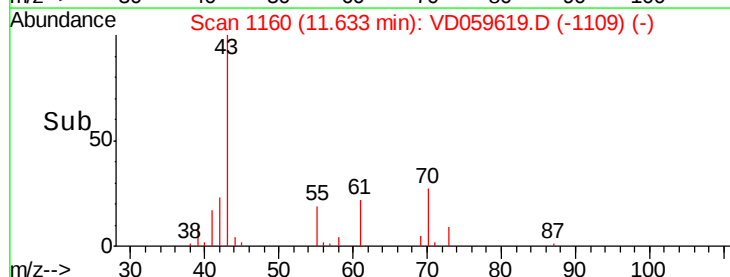
20000

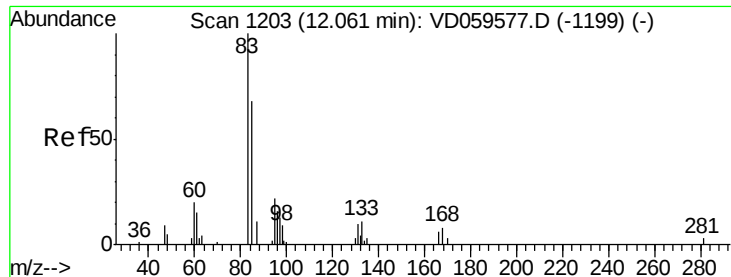
10000

0

11.55 11.60 11.65 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.609 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

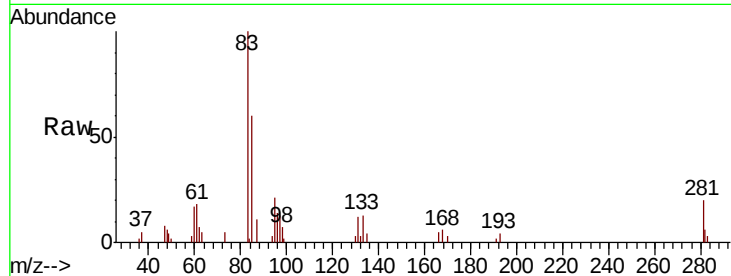
Tot Ion: 83 Resp: 22110

Ion Ratio Lower Upper

83 100

131 11.7 5.1 15.2

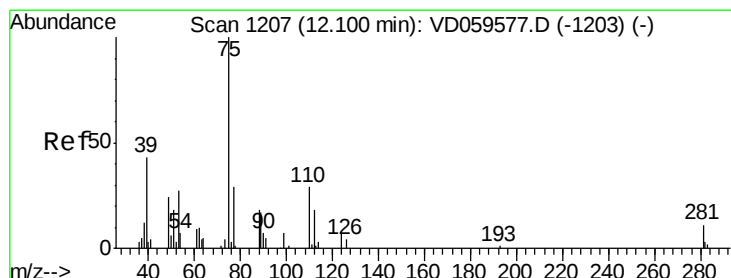
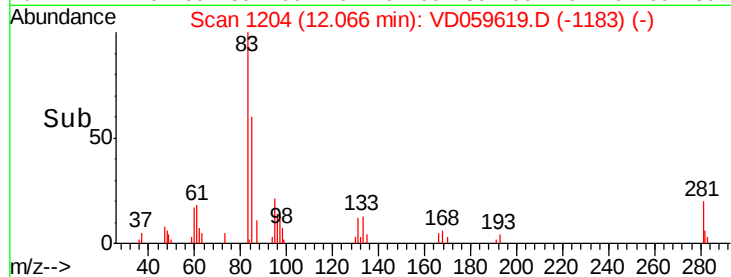
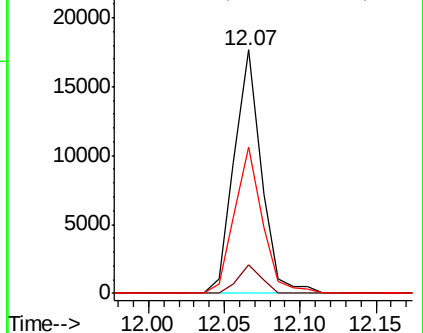
85 60.1 34.1 102.3



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: 21.767 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059619.D

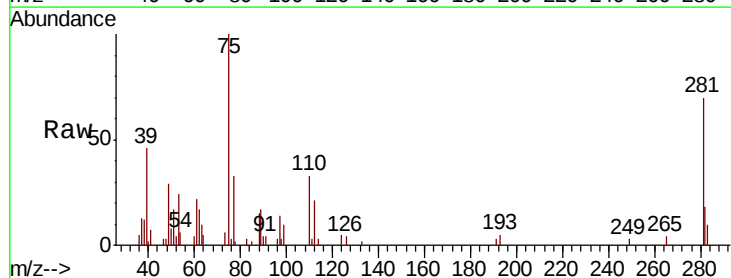
Acq: 27 Jul 2018 18:52

Tgt Ion: 75 Resp: 24406

Ion Ratio Lower Upper

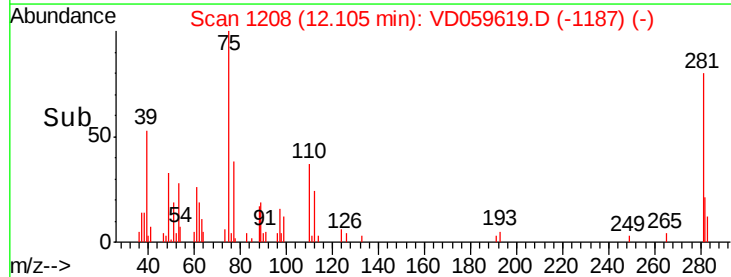
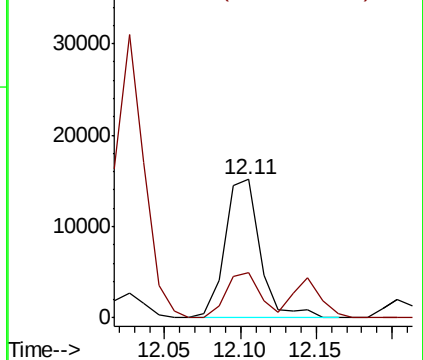
75 100

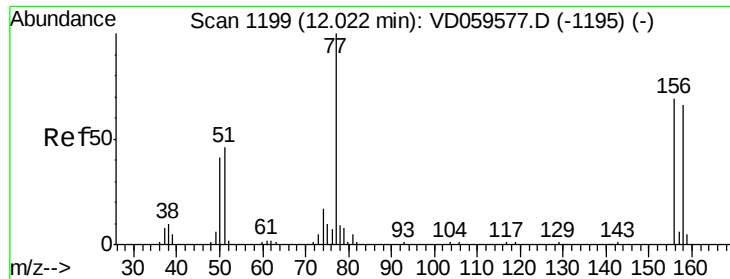
77 33.2 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.205 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

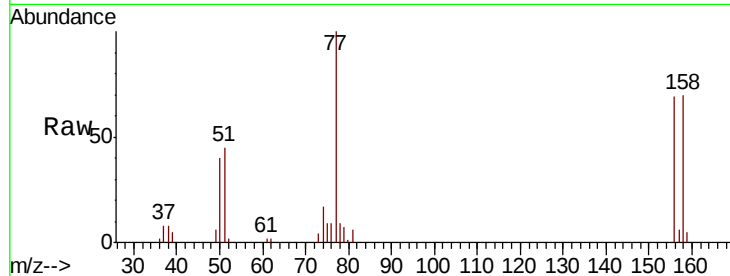
Tot Ion:156 Resp: 31135

Ion Ratio Lower Upper

156 100

77 144.2 72.4 217.2

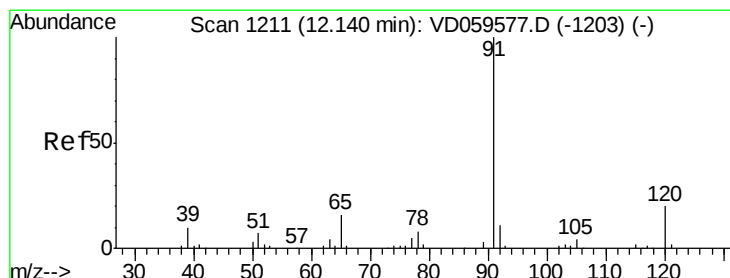
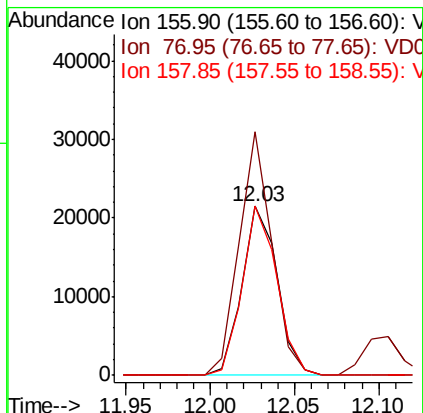
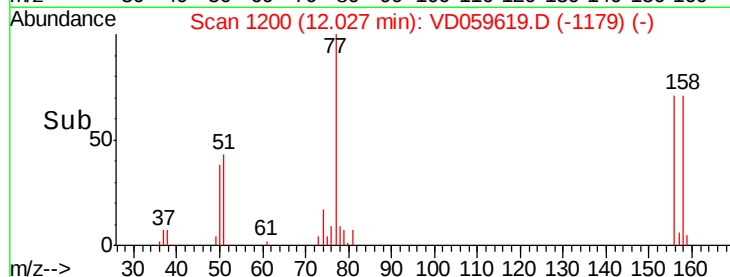
158 100.6 48.0 144.2



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: 21.124 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059619.D

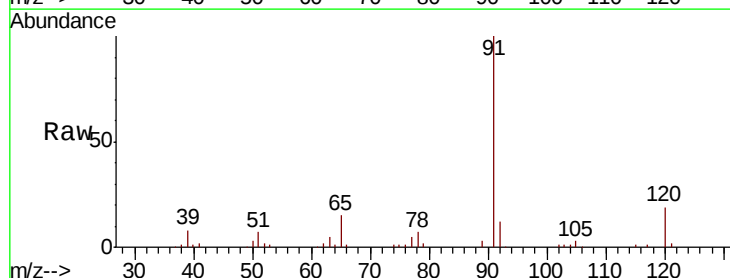
Acq: 27 Jul 2018 18:52

Tgt Ion: 91 Resp: 122938

Ion Ratio Lower Upper

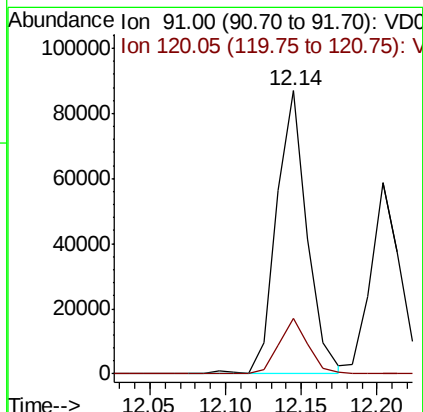
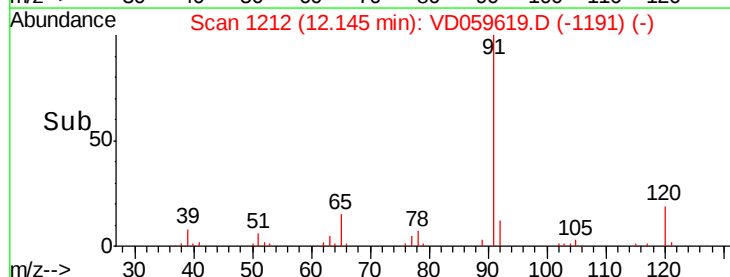
91 100

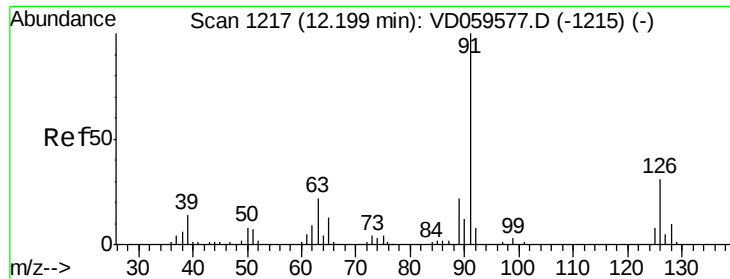
120 19.5 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

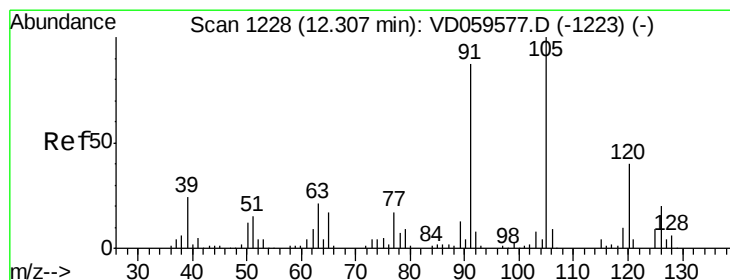
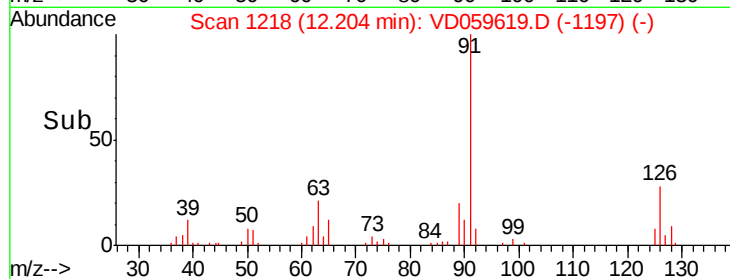
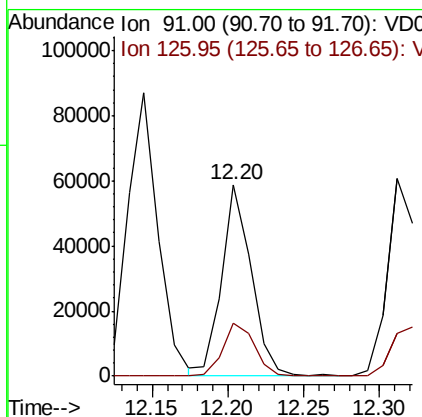
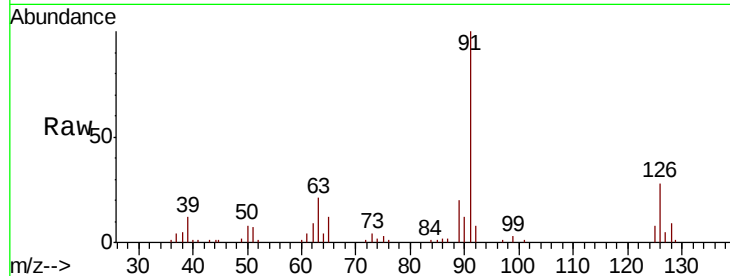




#79
 2-Chlorotoluene
 Concen: 23.194 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

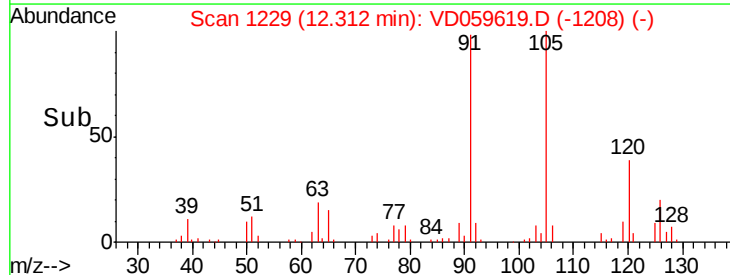
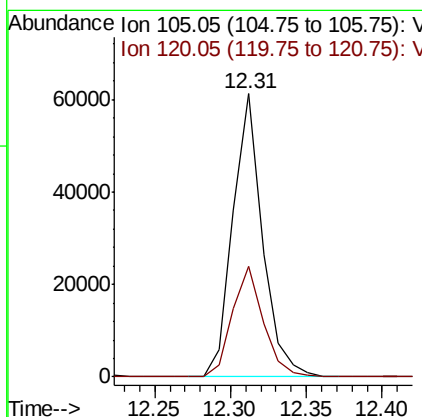
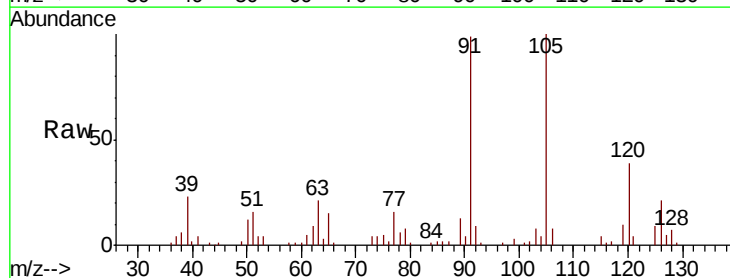
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

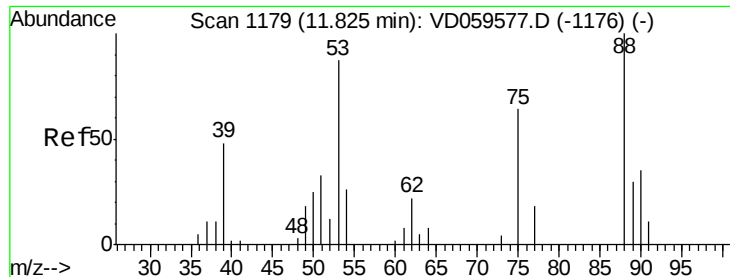
Tot Ion: 91 Resp: 80478
 Ion Ratio Lower Upper
 91 100
 126 27.5 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.918 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 105 Resp: 82889
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.831 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

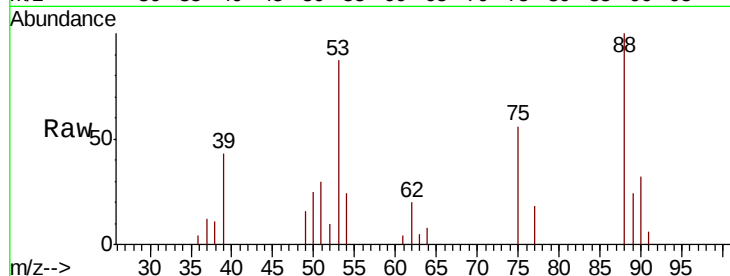
Tot Ion: 75 Resp: 5685

Ion Ratio Lower Upper

75 100

53 153.6 107.7 161.5

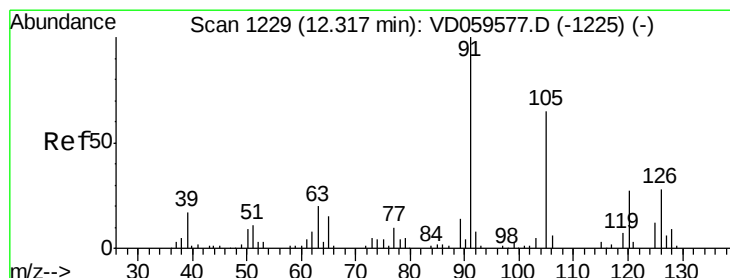
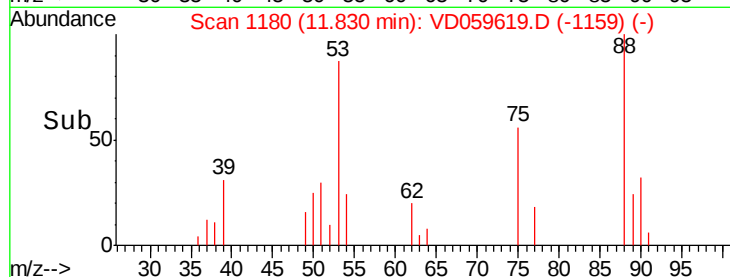
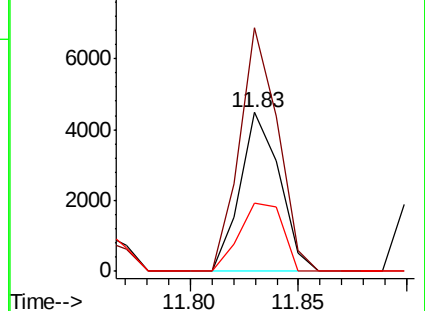
89 43.0 37.3 55.9



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: 22.365 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059619.D

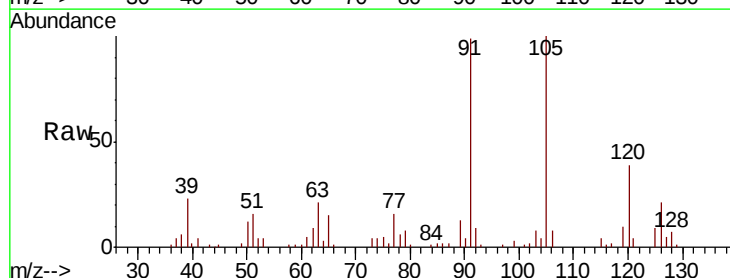
Acq: 27 Jul 2018 18:52

Tgt Ion: 91 Resp: 87760

Ion Ratio Lower Upper

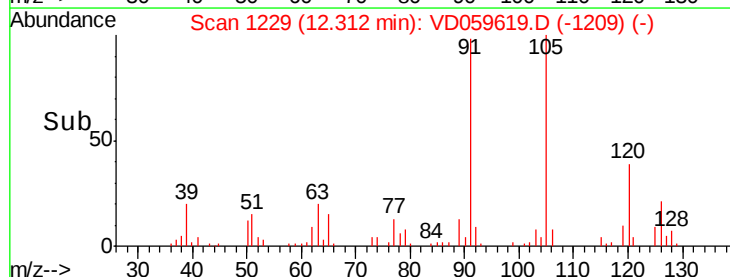
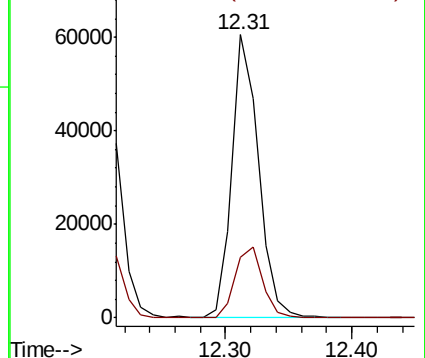
91 100

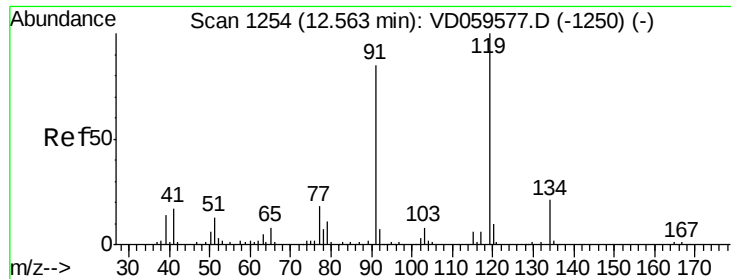
126 21.4 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

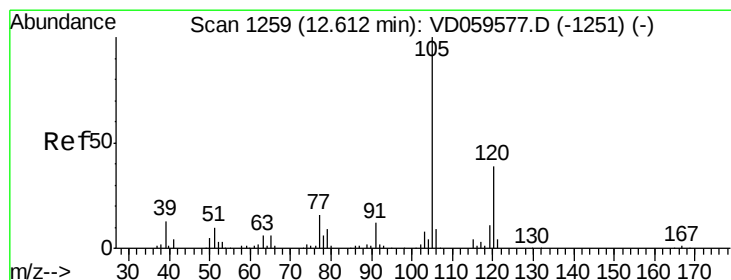
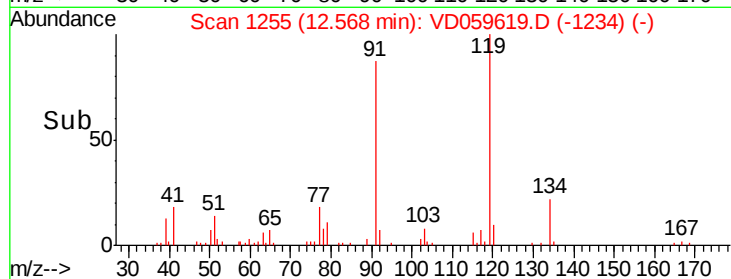
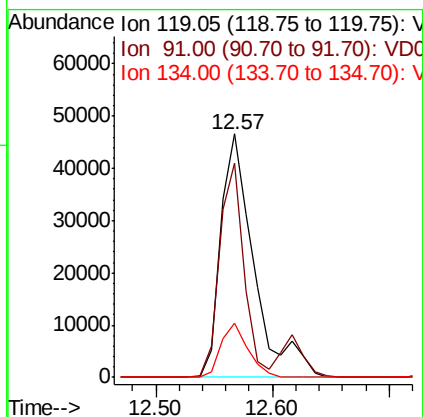
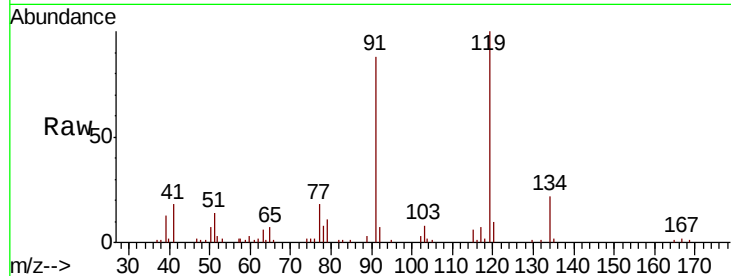




#83
tert-Butylbenzene
Concen: 21.540 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

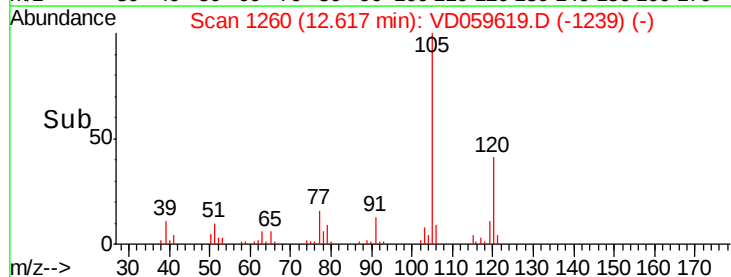
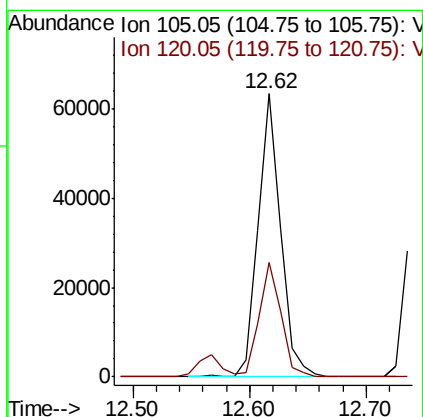
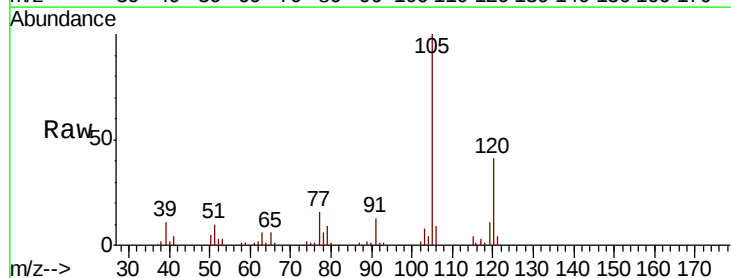
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

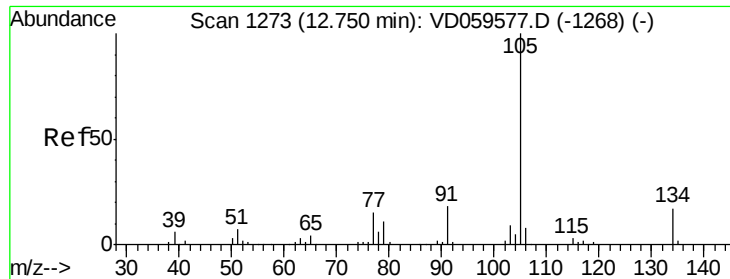
Tot Ion:119 Resp: 91705
Ion Ratio Lower Upper
119 100
91 88.0 42.5 127.5
134 22.4 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 20.988 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion:105 Resp: 84374
Ion Ratio Lower Upper
105 100
120 40.6 19.3 57.9





#85

sec-Butylbenzene

Concen: 21.785 ug/l

RT: 12.74 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

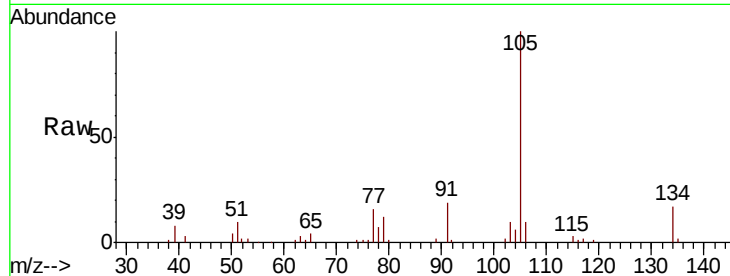
VD0727SBS01

Tot Ion:105 Resp: 105986

Ion Ratio Lower Upper

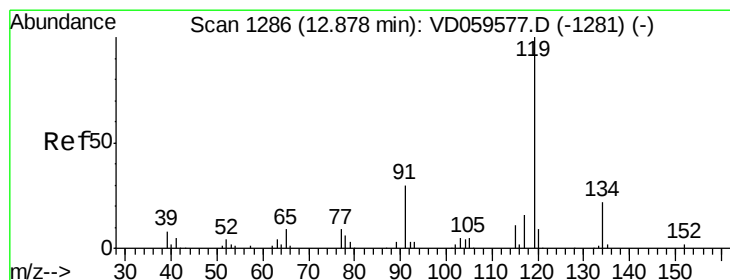
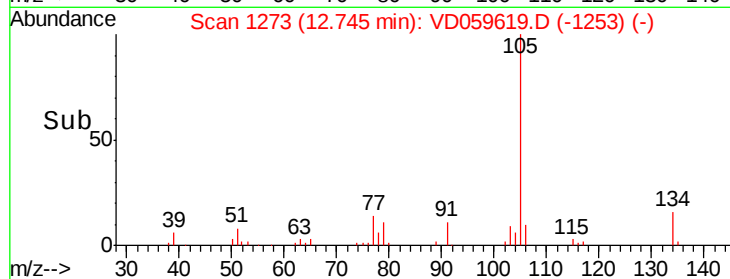
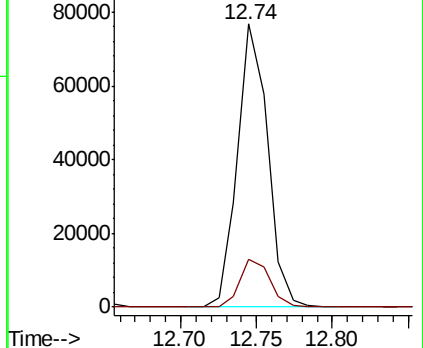
105 100

134 16.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.558 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059619.D

Acq: 27 Jul 2018 18:52

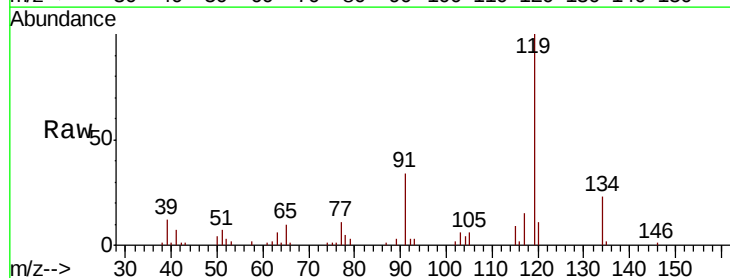
Tgt Ion:119 Resp: 88393

Ion Ratio Lower Upper

119 100

134 22.7 11.2 33.6

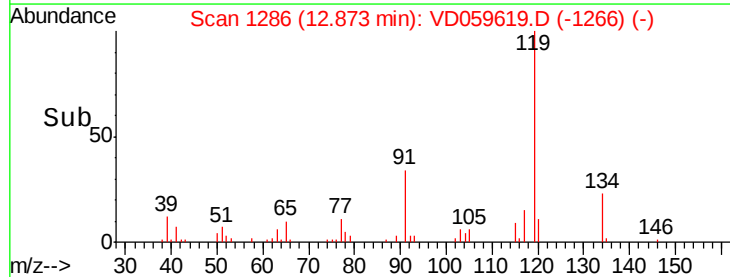
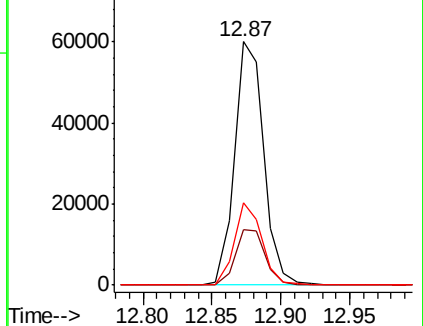
91 33.9 15.0 45.1

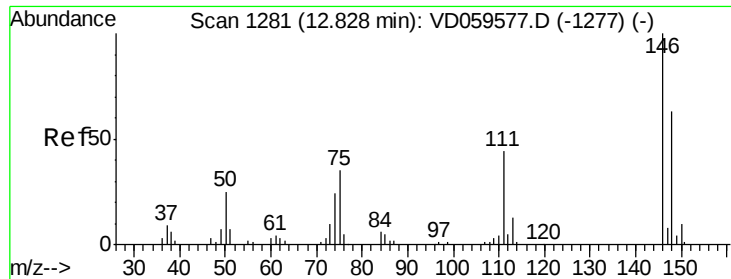


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

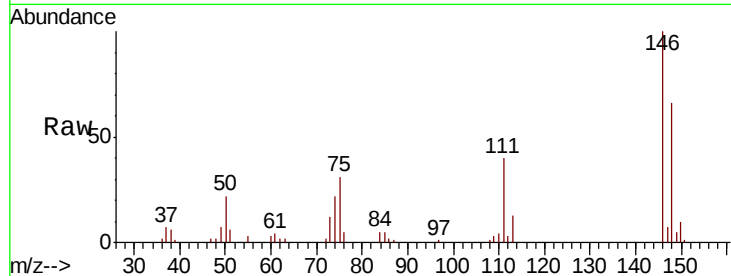




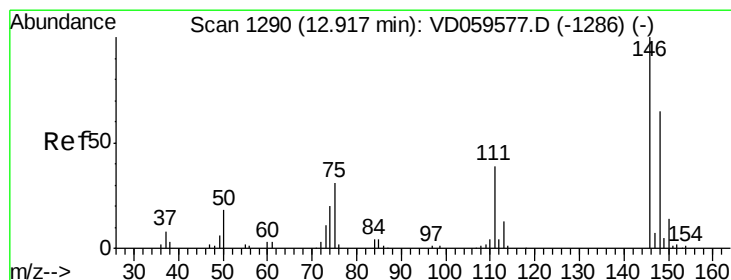
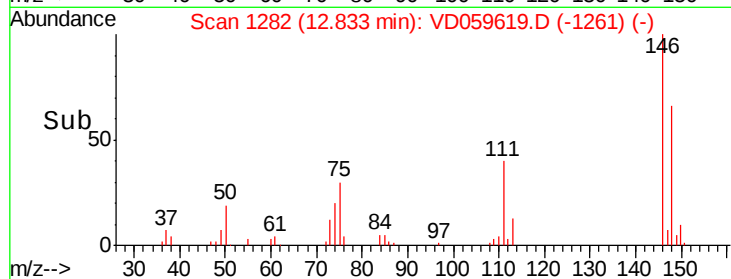
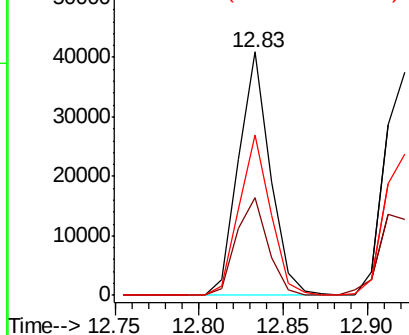
#87
 1,3-Dichlorobenzene
 Concen: 22.422 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion:146 Resp: 53173
 Ion Ratio Lower Upper
 146 100
 111 40.0 22.2 66.6
 148 66.0 31.8 95.3

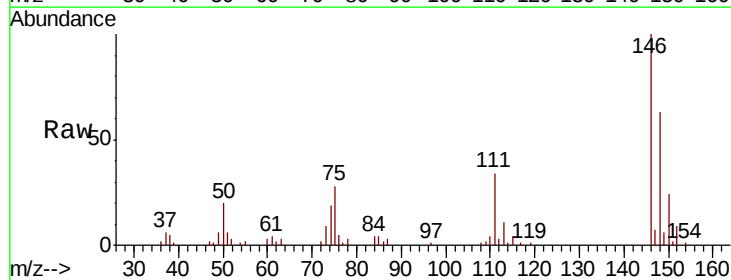


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

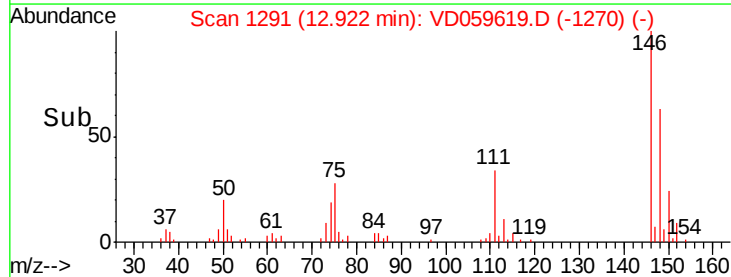
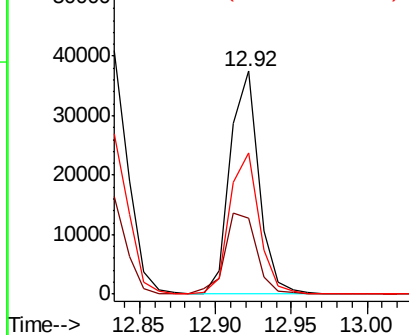


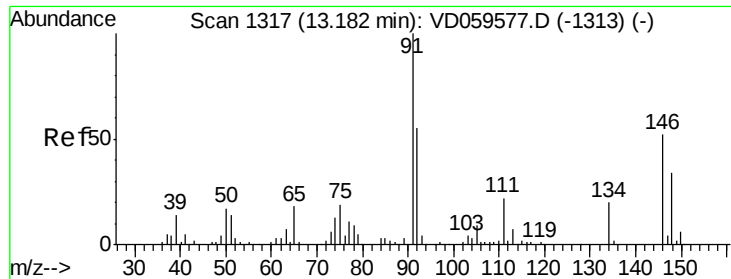
#88
 1,4-Dichlorobenzene
 Concen: 21.649 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion:146 Resp: 49462
 Ion Ratio Lower Upper
 146 100
 111 33.8 19.3 57.9
 148 63.3 32.4 97.2



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

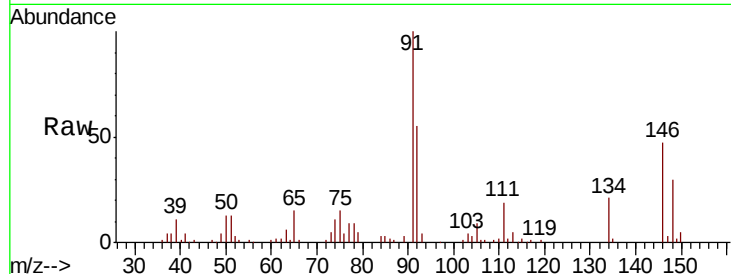




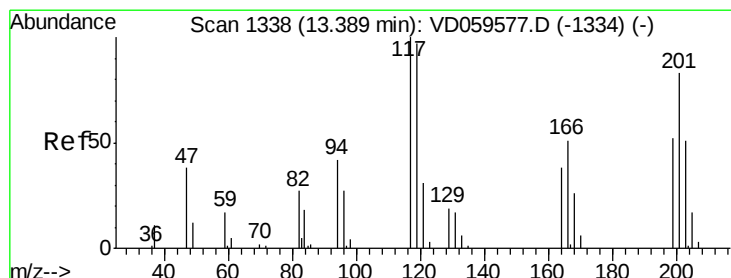
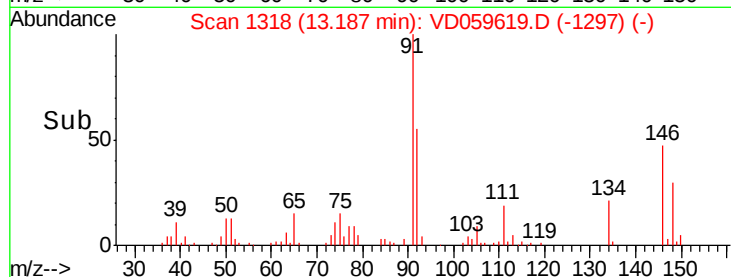
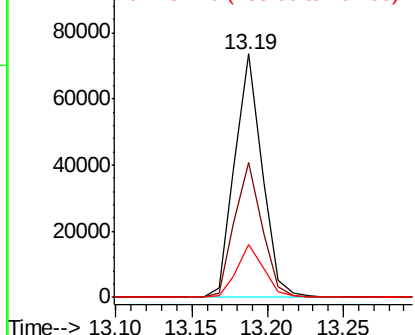
#89
n-Butylbenzene
Concen: 23.330 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleID :
VD0727SBS01

Tot Ion: 91 Resp: 92355
Ion Ratio Lower Upper
91 100
92 55.2 27.6 82.7
134 21.5 10.1 30.3

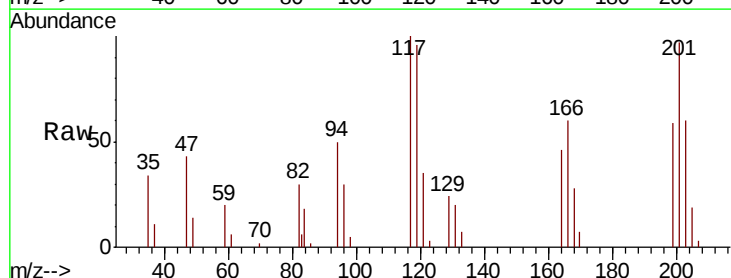


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

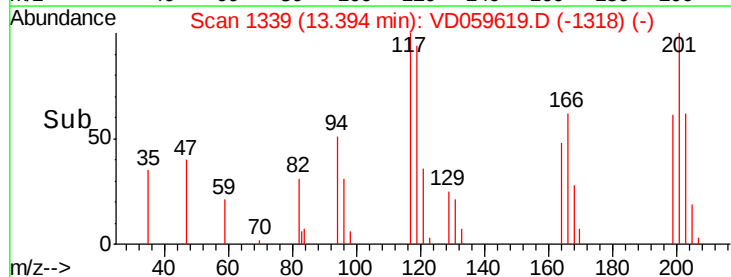
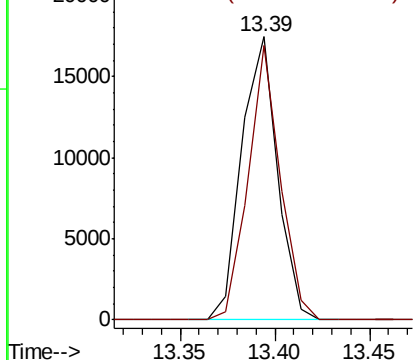


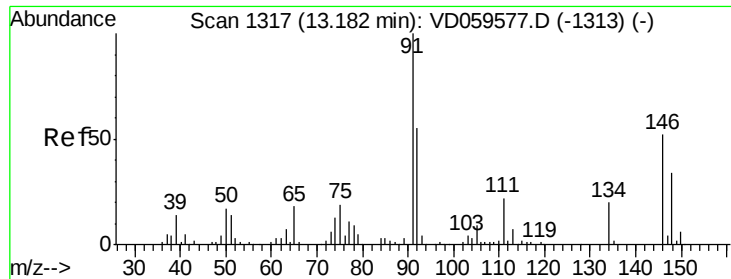
#90
Hexachloroethane
Concen: 20.787 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion: 117 Resp: 22775
Ion Ratio Lower Upper
117 100
201 96.8 41.5 124.5



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

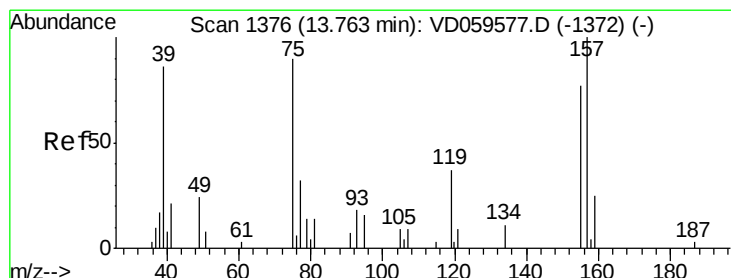
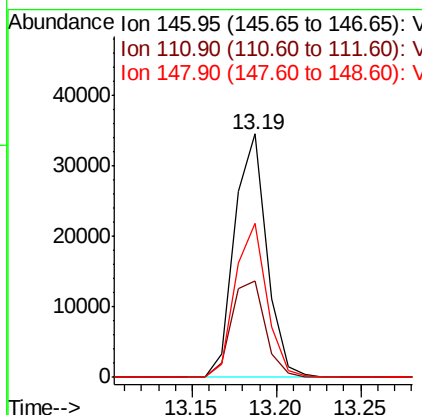
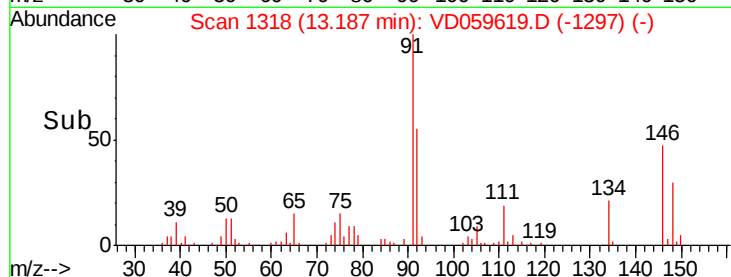
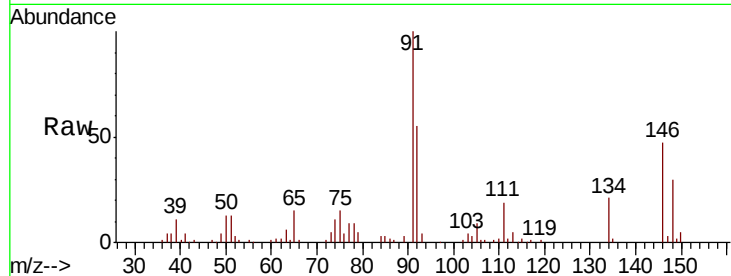




#91
 1,2-Dichlorobenzene
 Concen: 22.968 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

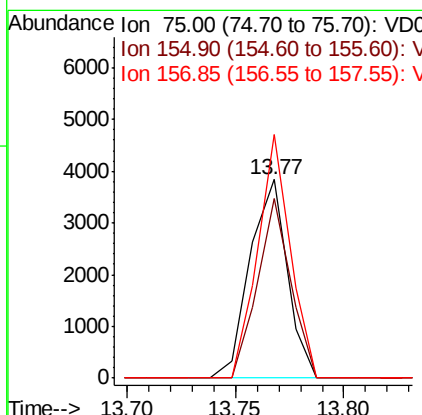
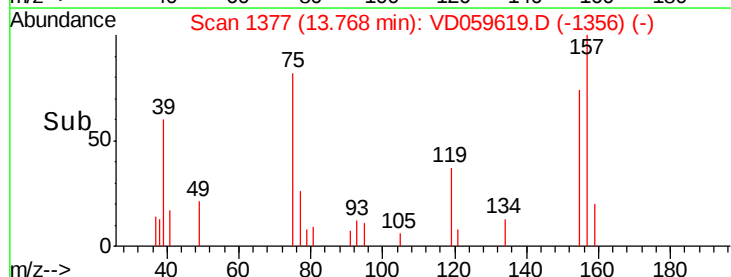
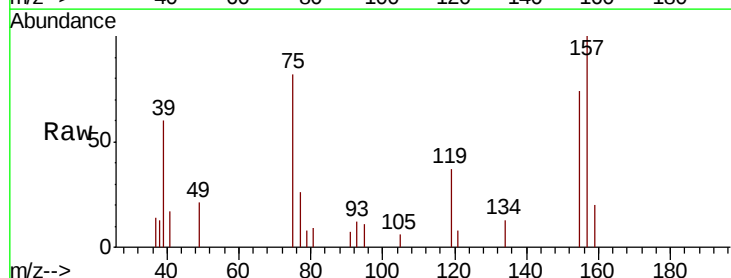
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

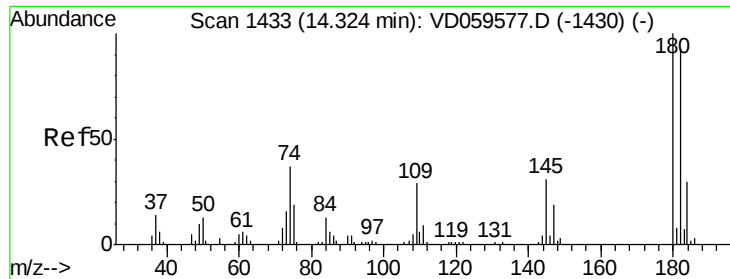
Tot Ion:146 Resp: 45703
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.4 64.3
 148 63.2 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.180 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion: 75 Resp: 4570
 Ion Ratio Lower Upper
 75 100
 155 90.3 42.5 127.5
 157 122.6 55.5 166.3

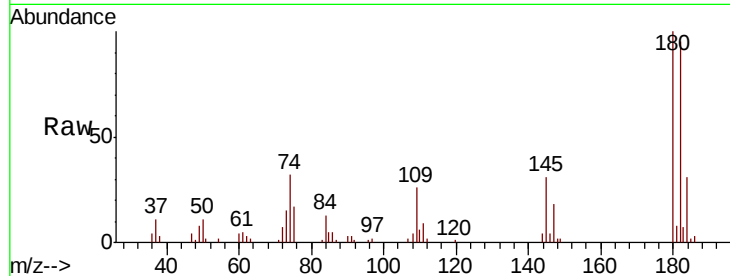




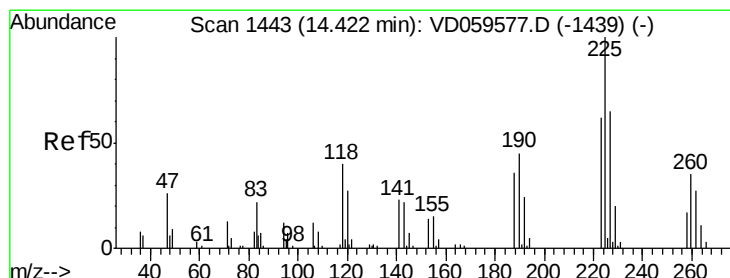
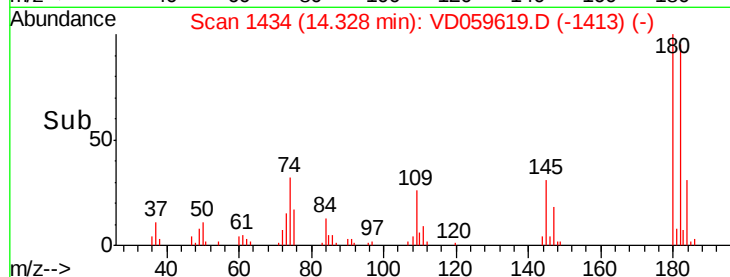
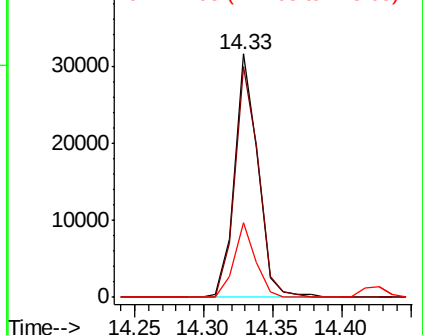
#93
 1,2,4-Trichlorobenzene
 Concen: 22.450 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion:180 Resp: 36992
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.4 139.2
 145 30.5 15.7 47.0

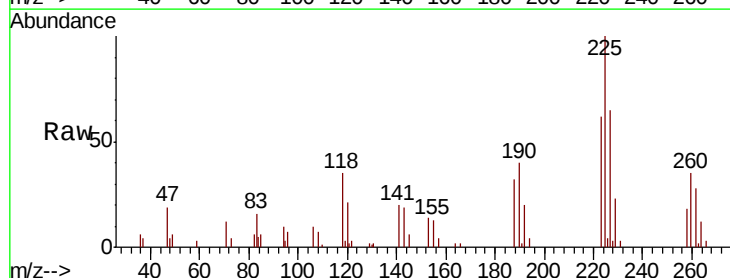


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

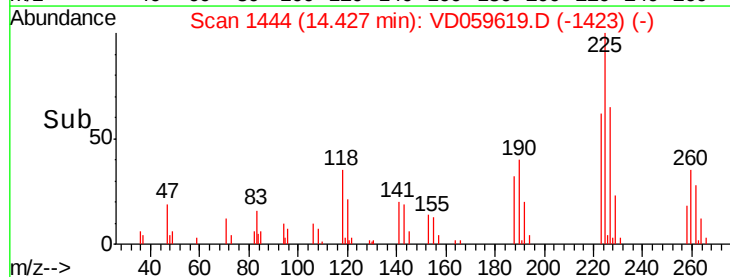
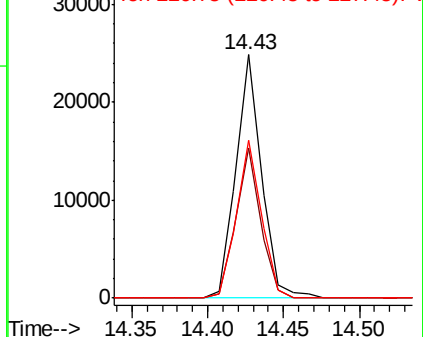


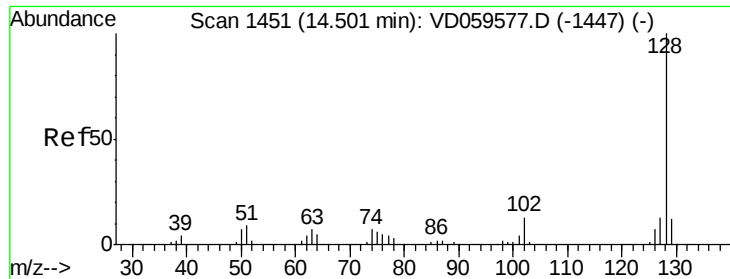
#94
 Hexachlorobutadiene
 Concen: 22.371 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059619.D
 Acq: 27 Jul 2018 18:52

Tgt Ion:225 Resp: 29077
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.5
 227 64.9 32.4 97.2



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

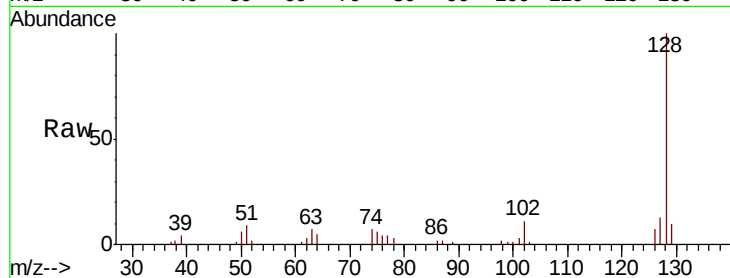




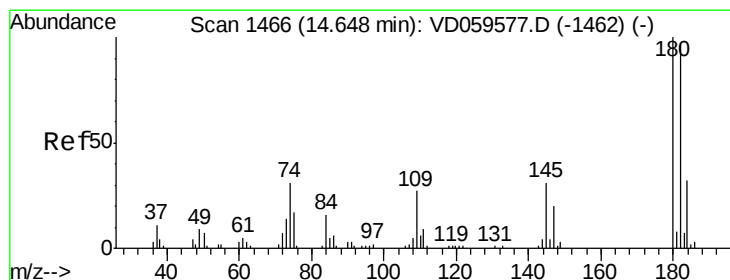
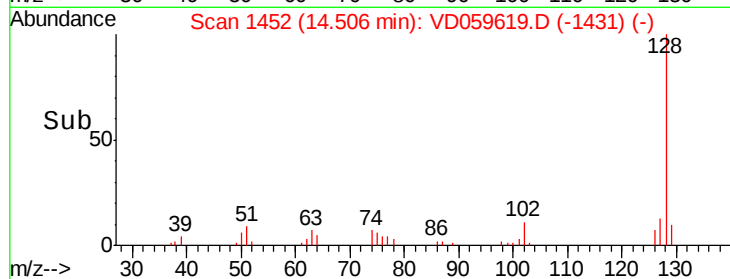
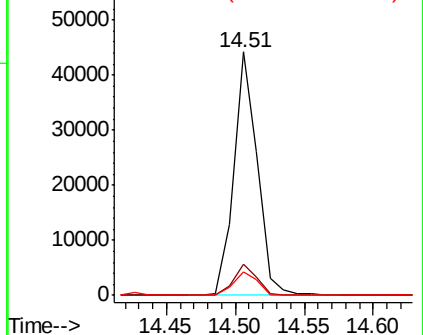
#95
Naphthalene
Concen: 22.243 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion:128 Resp: 52125
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 9.8 9.3 13.9

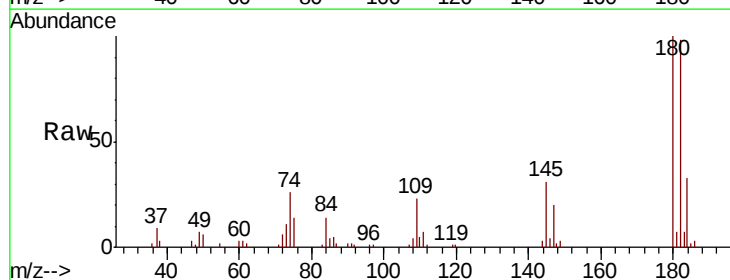


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.712 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059619.D
Acq: 27 Jul 2018 18:52

Tgt Ion:180 Resp: 32373
Ion Ratio Lower Upper
180 100
182 97.8 48.6 145.9
145 30.7 15.6 46.7



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

