

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059627.D
 Acq On : 30 Jul 2018 19:13
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 05:16:53 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	137354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	171971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	150429	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	76149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	90992	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	5.51	113	81552	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	8.69	98	167470	50.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.91	95	80243	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	44935	26.97	ug/l	96
3) Chloromethane	1.46	50	18080	21.06	ug/l	98
4) Vinyl Chloride	1.53	62	19524	21.85	ug/l	99
5) Bromomethane	1.75	94	4346	25.36	ug/l	94
6) Chloroethane	1.84	64	4997	19.12	ug/l #	85
7) Trichlorofluoromethane	2.04	101	39881	26.17	ug/l	96
8) Diethyl Ether	2.31	74	6285	23.43	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.51	101	20134	25.07	ug/l	94
10) Methyl Iodide	2.66	142	22455	22.58	ug/l	95
11) Tert butyl alcohol	3.25	59	8153	118.35	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	13940	23.95	ug/l	95
13) Acrolein	2.45	56	3875	109.18	ug/l #	75
14) Allyl chloride	2.88	41	31532	22.34	ug/l	99
15) Acrylonitrile	3.33	53	19848	132.85	ug/l	95
16) Acetone	2.59	43	30865	118.36	ug/l	96
17) Carbon Disulfide	2.72	76	48318	20.90	ug/l	100
18) Methyl Acetate	2.90	43	12307	23.60	ug/l	95
19) Methyl tert-butyl Ether	3.38	73	61646	31.60	ug/l	94
20) Methylene Chloride	3.03	84	18449	24.81	ug/l	98
21) trans-1,2-Dichloroethene	3.35	96	17852	28.44	ug/l	94
22) Diisopropyl ether	4.03	45	77647	20.92	ug/l	97
23) Vinyl Acetate	3.98	43	265507	112.72	ug/l	98
24) 1,1-Dichloroethane	3.93	63	54186	23.13	ug/l	99
25) 2-Butanone	4.80	43	43604	109.65	ug/l	92
26) 2,2-Dichloropropane	4.76	77	54460	22.70	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	29126	23.23	ug/l	94
28) Bromochloromethane	5.11	49	19925	21.49	ug/l	94
29) Tetrahydrofuran	5.15	42	19596	106.42	ug/l	98
30) Chloroform	5.28	83	65852	23.50	ug/l	97
31) Cyclohexane	5.55	56	33811	19.04	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	61594	22.70	ug/l	97
36) 1,1-Dichloropropene	5.71	75	41881	24.27	ug/l	94
37) Ethyl Acetate	4.89	43	18636	20.99	ug/l #	93
38) Carbon Tetrachloride	5.69	117	56481	23.90	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	37634	23.72	ug/l	98
40) Benzene	5.98	78	83687	23.65	ug/l	97
41) Methacrylonitrile	5.09	41	9755	22.02	ug/l	96
42) 1,2-Dichloroethane	6.09	62	51713	24.25	ug/l	97
43) Isopropyl Acetate	7.60	43	26988	21.92	ug/l	98
44) Trichloroethene	6.95	130	30593	23.83	ug/l	98
45) 1,2-Dichloropropane	7.32	63	20825	21.01	ug/l	94
46) Dibromomethane	7.44	93	19273	23.01	ug/l	95
47) Bromodichloromethane	7.71	83	49220	24.60	ug/l	96
48) Methyl methacrylate	7.48	41	18727	22.94	ug/l	84
49) 1,4-Dioxane	7.46	88	3562	478.31	ug/l #	91
51) 4-Methyl-2-Pentanone	8.58	43	97118	118.15	ug/l	98
52) Toluene	8.78	92	55579	23.69	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	42261	23.42	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	41270	23.03	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	20015	22.70	ug/l	98
56) Ethyl methacrylate	9.29	69	23941	23.94	ug/l	95
57) 1,3-Dichloropropane	9.64	76	31408	22.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.17	63	48692	103.61	ug/l	97
59) 2-Hexanone	9.76	43	74934	114.77	ug/l	98
60) Dibromochloromethane	9.94	129	35008	23.92	ug/l	95
61) 1,2-Dibromoethane	10.07	107	25525	24.43	ug/l	98
64) Tetrachloroethene	9.48	164	29582	21.70	ug/l	97
65) Chlorobenzene	10.70	112	65751	21.32	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	30555	22.78	ug/l	93
67) Ethyl Benzene	10.84	91	121548	22.93	ug/l	99
68) m/p-Xylenes	11.00	106	78112	44.12	ug/l	99
69) o-Xylene	11.39	106	36118	21.02	ug/l	84
70) Styrene	11.42	104	63171	22.18	ug/l	94
71) Bromoform	11.59	173	23468	21.49	ug/l #	98
73) Isopropylbenzene	11.76	105	113393	21.08	ug/l	97
74) N-amyl acetate	11.63	43	38521	20.90	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	24567	22.37	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	27844	22.11	ug/l	98
77) Bromobenzene	12.02	156	33852	21.50	ug/l	99
78) n-propylbenzene	12.14	91	148397	22.70	ug/l	98
79) 2-Chlorotoluene	12.20	91	88482	22.71	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	90893	21.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	6516	20.24	ug/l	97
82) 4-Chlorotoluene	12.32	91	98654	22.39	ug/l	100
83) tert-Butylbenzene	12.56	119	106753	22.33	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	96571	21.39	ug/l	100
85) sec-Butylbenzene	12.75	105	115518	21.14	ug/l	97
86) p-Isopropyltoluene	12.88	119	98952	21.49	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	56775	21.32	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	55514	21.63	ug/l	98
89) n-Butylbenzene	13.18	91	100276	22.55	ug/l	99
90) Hexachloroethane	13.39	117	26433	21.48	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	50211	22.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4842	21.87	ug/l	91

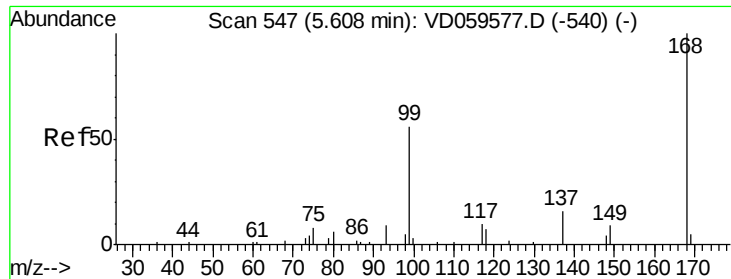
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	41591	22.47	ug/l	99
94) Hexachlorobutadiene	14.42	225	33988	23.28	ug/l	99
95) Naphthalene	14.50	128	58910	22.38	ug/l	96
96) 1,2,3-Trichlorobenzene	14.65	180	37135	22.18	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

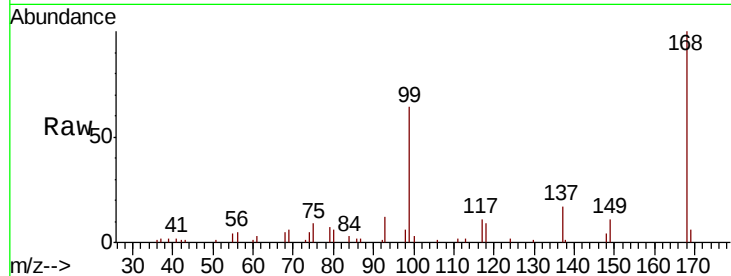
VD0730SBS01

Tot Ion:168 Resp: 137354

Ion Ratio Lower Upper

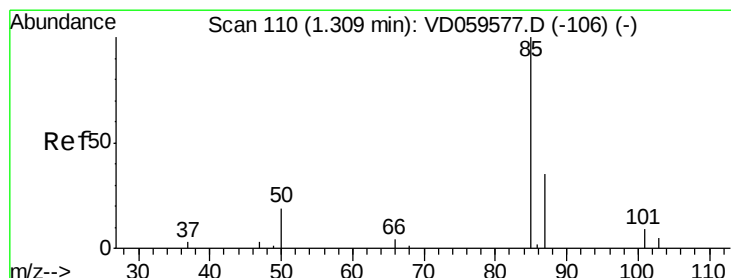
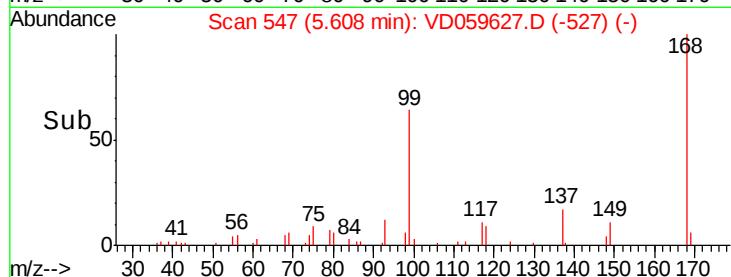
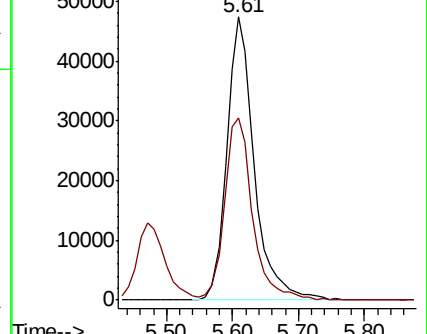
168 100

99 64.4 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: 26.97 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059627.D

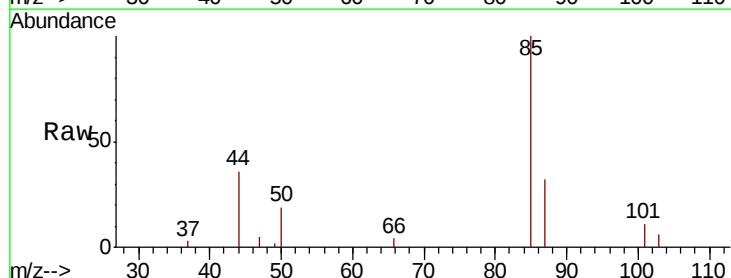
Acq: 30 Jul 2018 19:13

Tgt Ion: 85 Resp: 44935

Ion Ratio Lower Upper

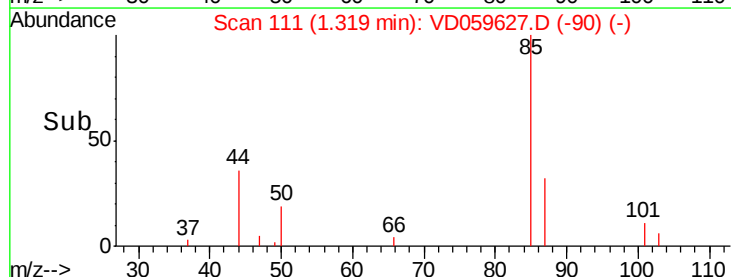
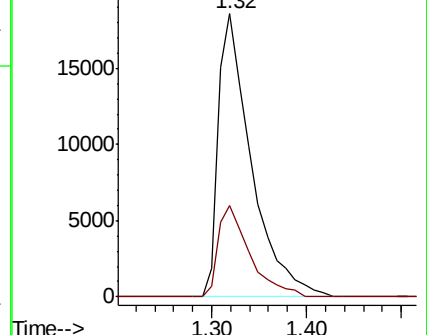
85 100

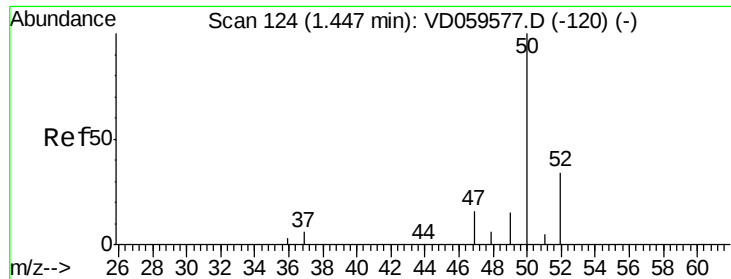
87 32.4 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.06 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

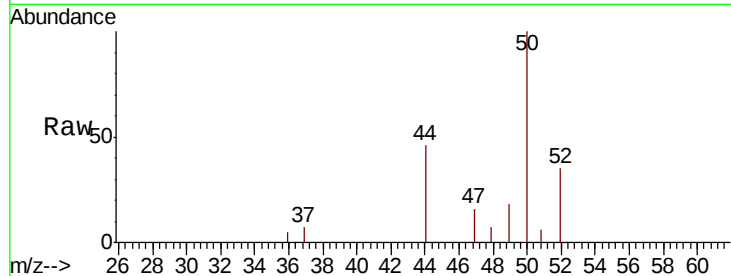
VD0730SBS01

Tot Ion: 50 Resp: 18080

Ion Ratio Lower Upper

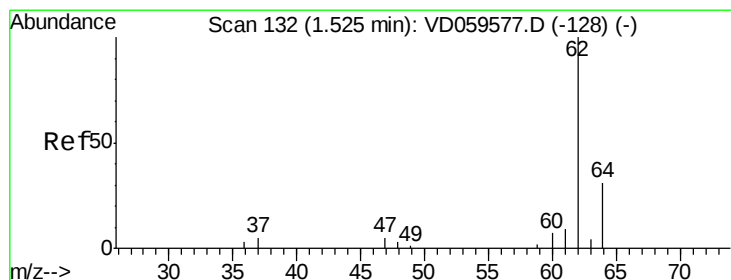
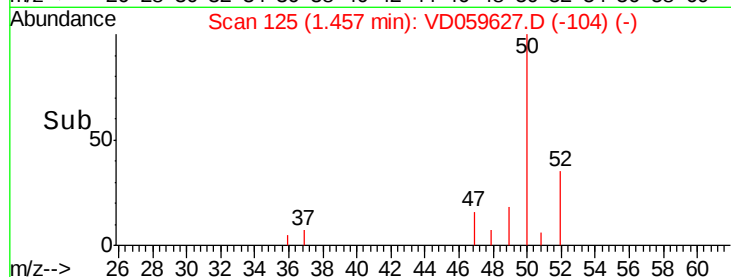
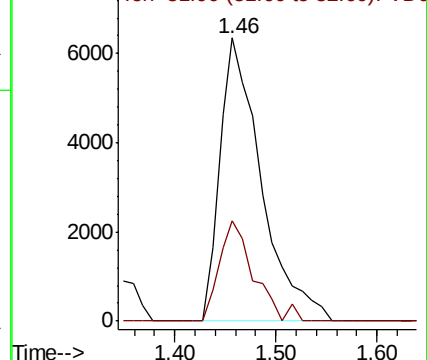
50 100

52 35.4 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: 21.85 ug/l

RT: 1.53 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059627.D

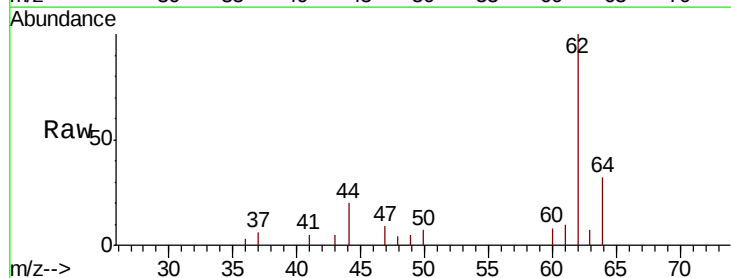
Acq: 30 Jul 2018 19:13

Tgt Ion: 62 Resp: 19524

Ion Ratio Lower Upper

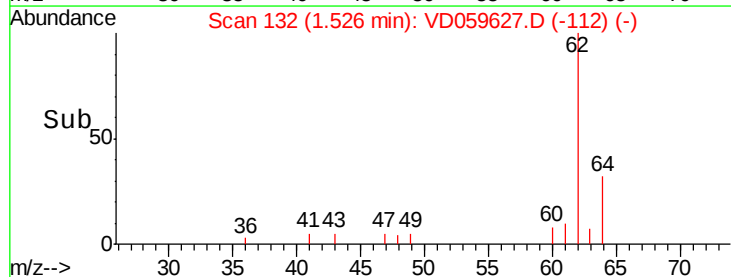
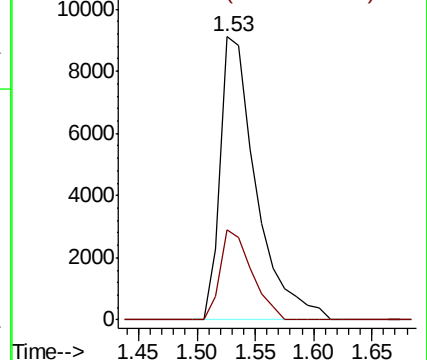
62 100

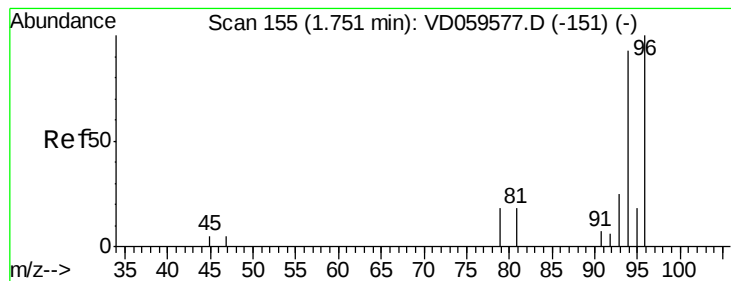
64 31.6 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.36 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

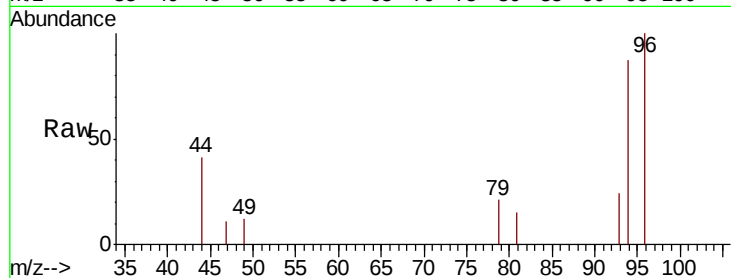
VD0730SBS01

Tot Ion: 94 Resp: 4346

Ion Ratio Lower Upper

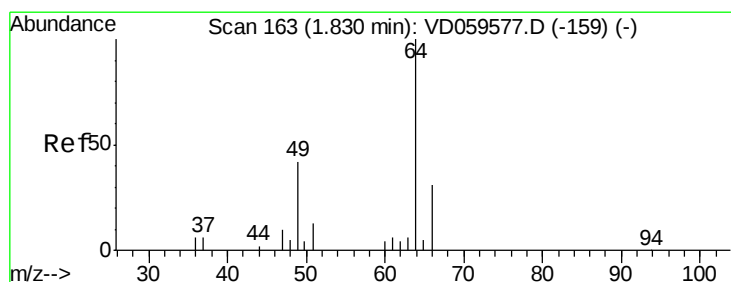
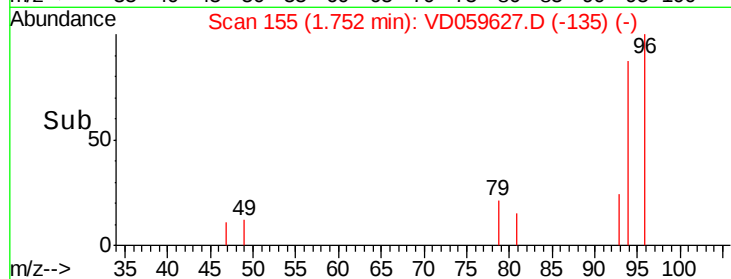
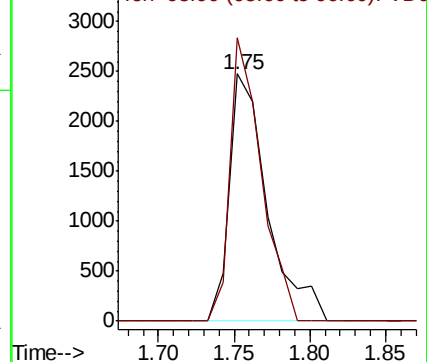
94 100

96 114.5 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.12 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059627.D

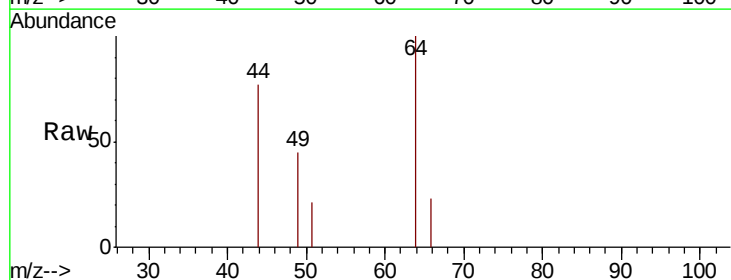
Acq: 30 Jul 2018 19:13

Tgt Ion: 64 Resp: 4997

Ion Ratio Lower Upper

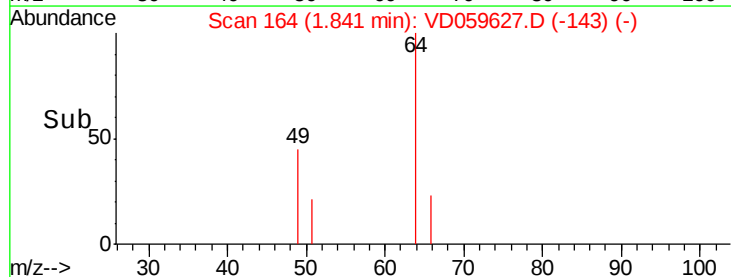
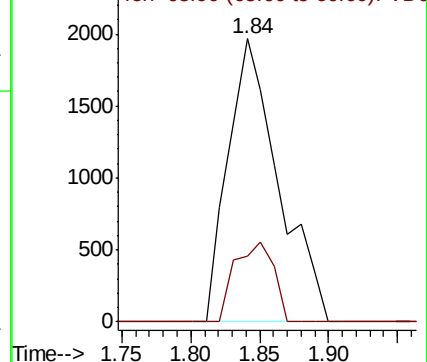
64 100

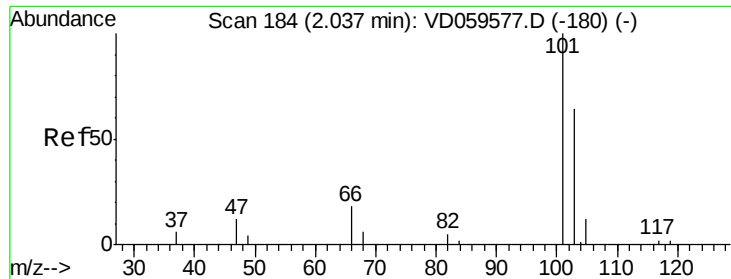
66 23.3 25.2 37.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



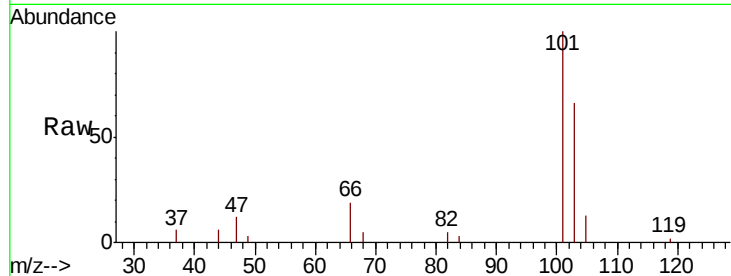


#7

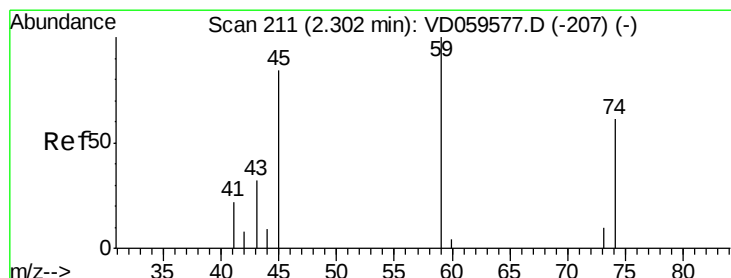
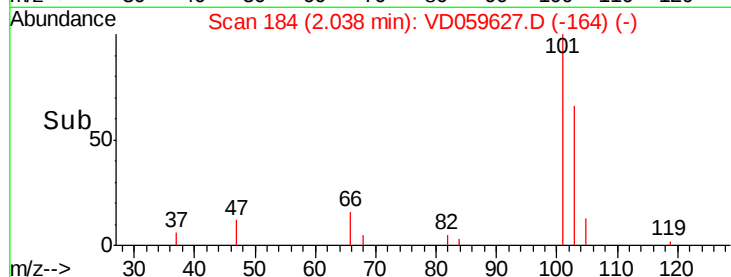
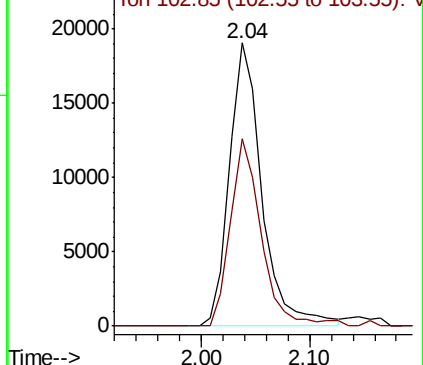
Trichlorofluoromethane
 Concen: 26.17 ug/l
 RT: 2.04 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:101 Resp: 39881
 Ion Ratio Lower Upper
 101 100
 103 66.3 50.9 76.3



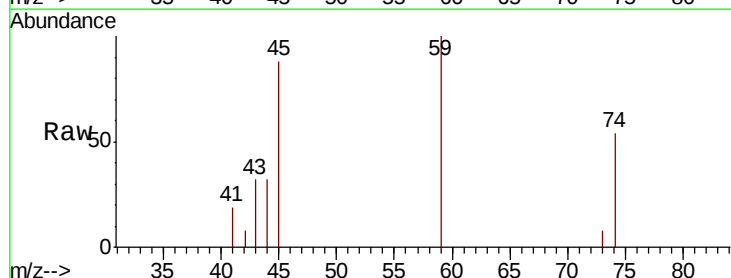
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



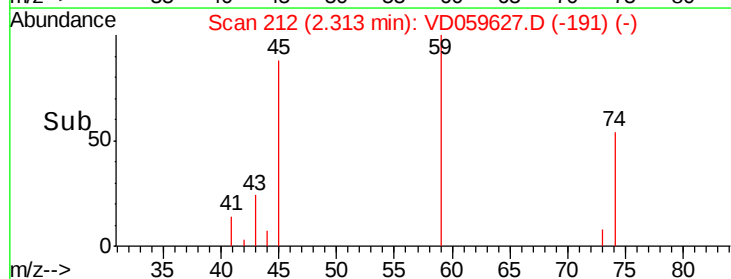
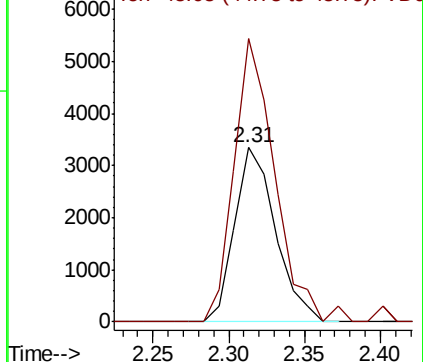
#8

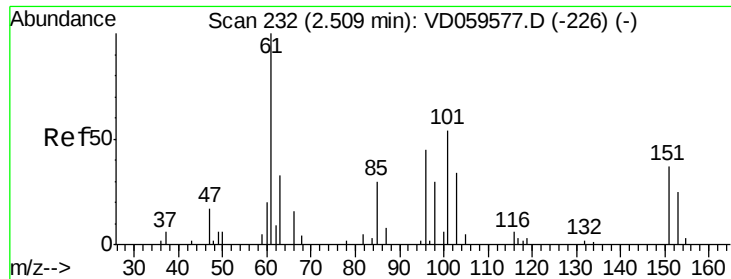
Diethyl Ether
 Concen: 23.43 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 74 Resp: 6285
 Ion Ratio Lower Upper
 74 100
 45 162.6 69.0 207.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.07 ug/l

RT: 2.51 min Scan# 232

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

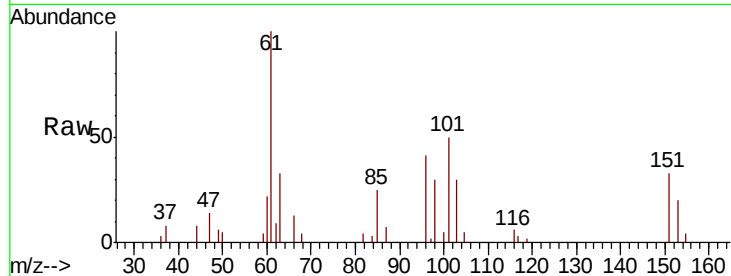
Tot Ion:101 Resp: 20134

Ion Ratio Lower Upper

101 100

85 50.6 44.5 66.7

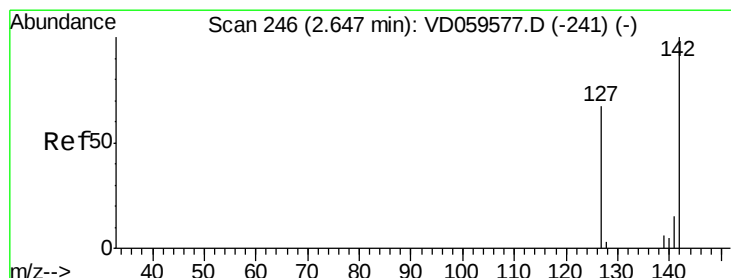
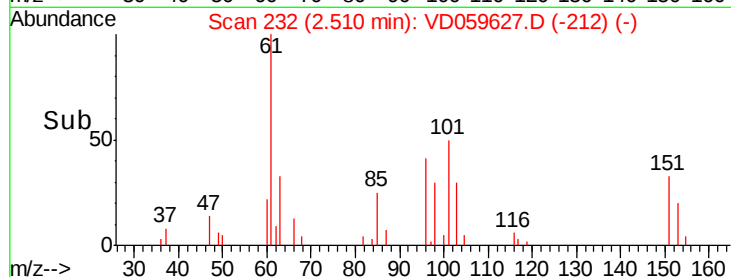
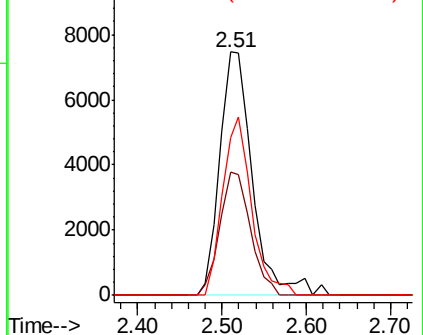
151 64.9 55.4 83.0



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: 22.58 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

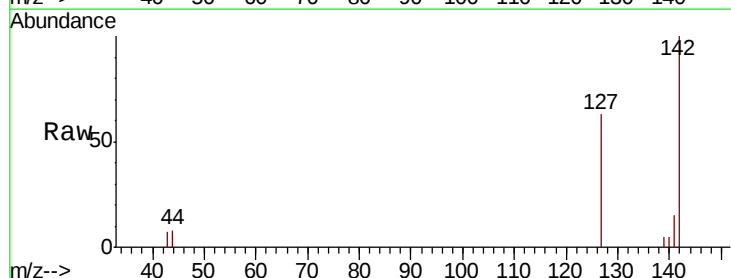
Tgt Ion:142 Resp: 22455

Ion Ratio Lower Upper

142 100

127 62.6 53.6 80.4

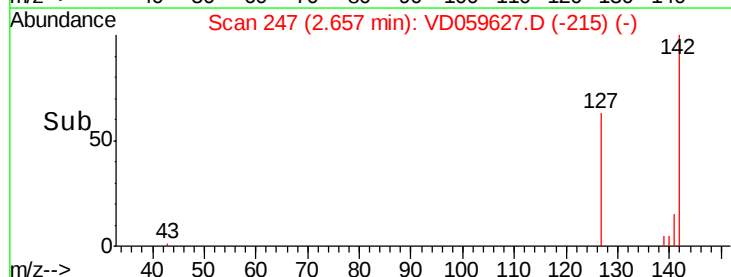
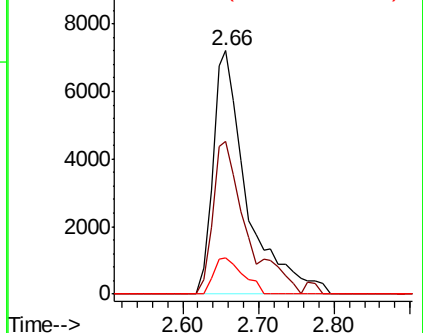
141 14.9 12.2 18.2

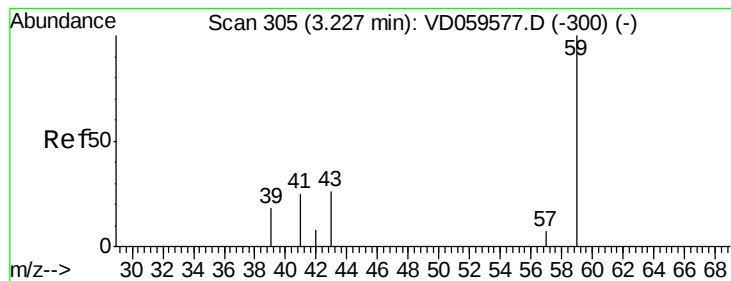


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



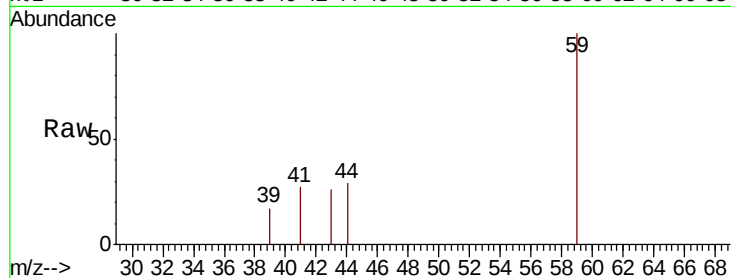


#11

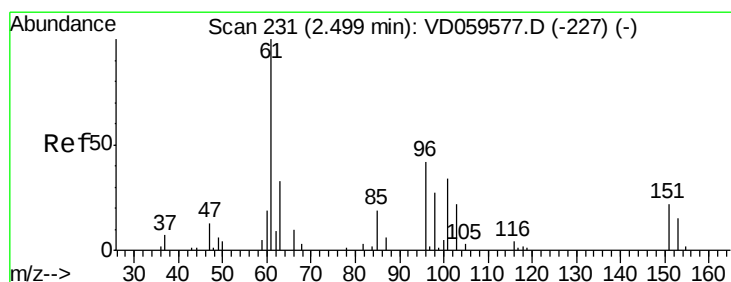
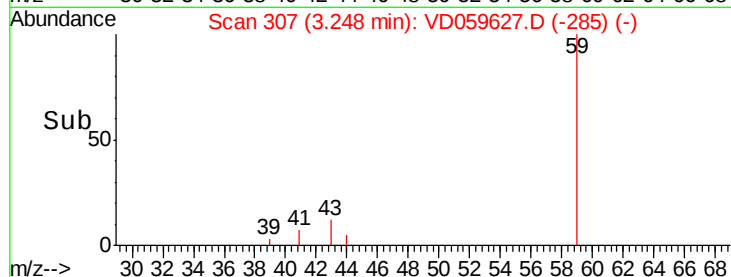
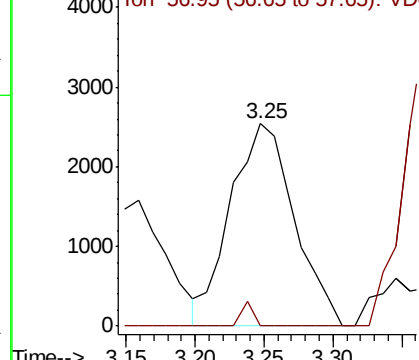
Tert butyl alcohol
 Concen: 118.35 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 59 Resp: 8153
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#



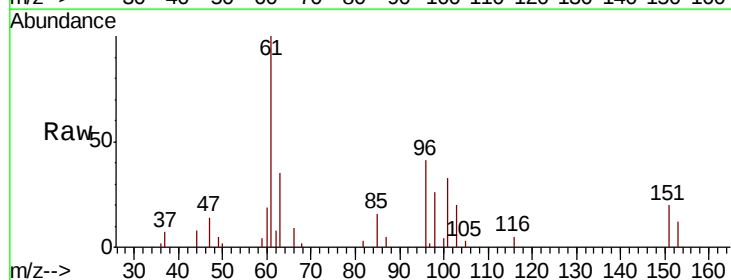
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



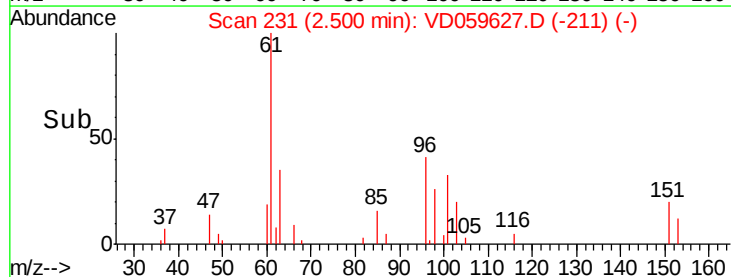
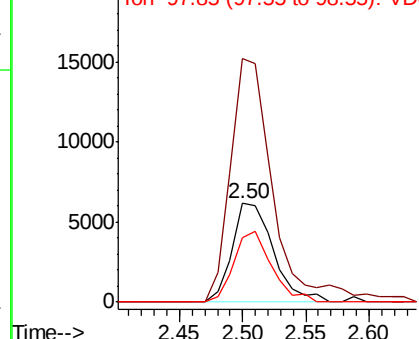
#12

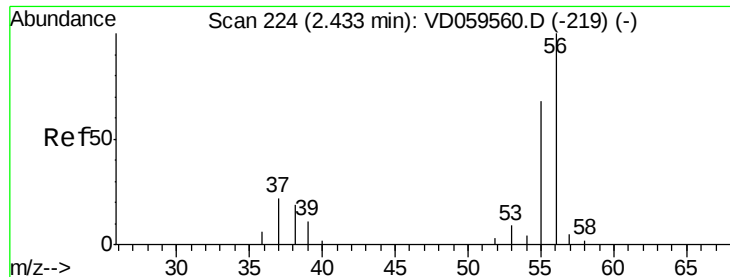
1,1-Dichloroethene
 Concen: 23.95 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 96 Resp: 13940
 Ion Ratio Lower Upper
 96 100
 61 246.3 188.8 283.2
 98 65.0 51.4 77.2



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





#13

Acrolein

Concen: 109.18 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

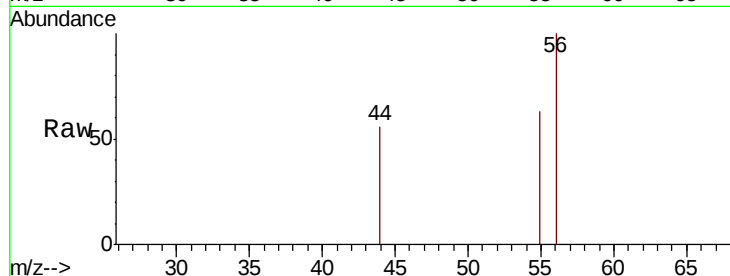
VD0730SBS01

Tot Ion: 56 Resp: 3875

Ion Ratio Lower Upper

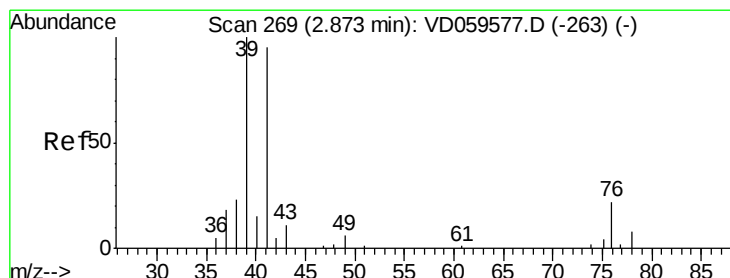
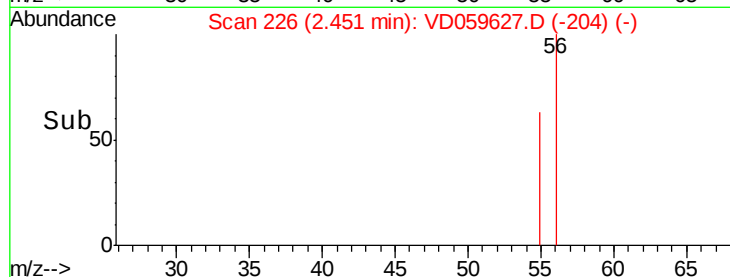
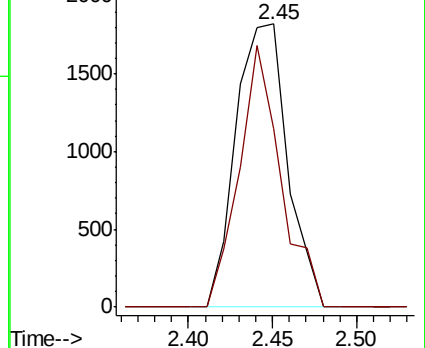
56 100

55 63.1 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: 22.34 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

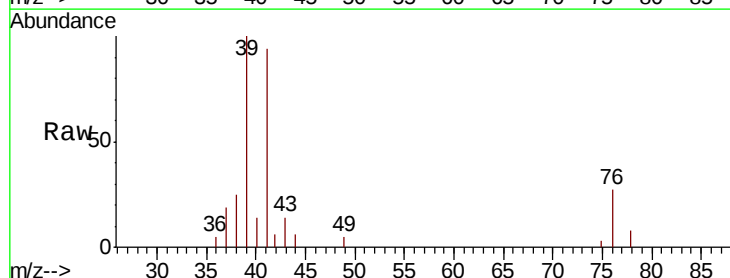
Tgt Ion: 41 Resp: 31532

Ion Ratio Lower Upper

41 100

39 106.0 83.8 125.8

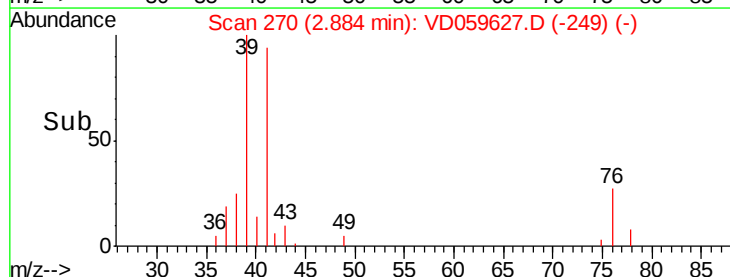
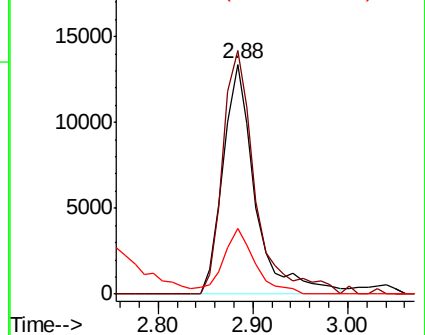
76 28.7 22.2 33.4

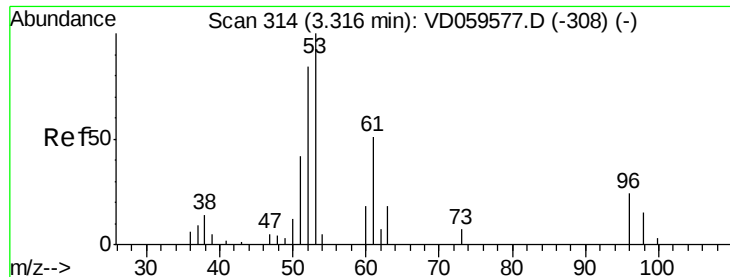


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 132.85 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

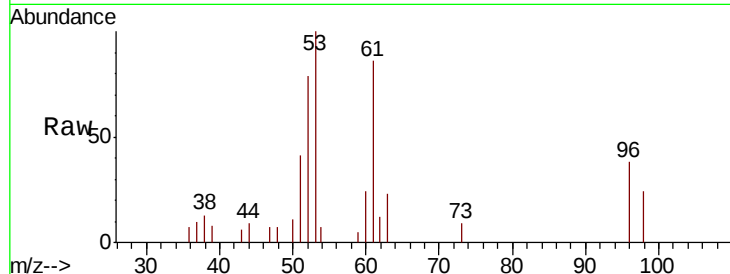
Tot Ion: 53 Resp: 19848

Ion Ratio Lower Upper

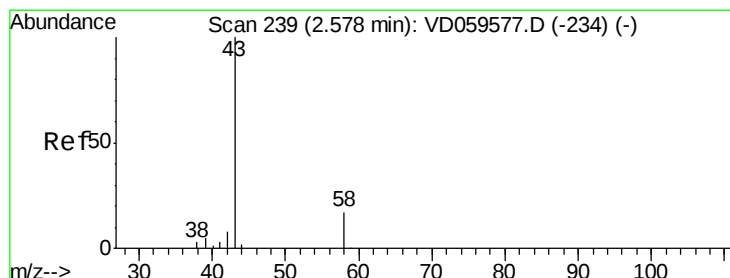
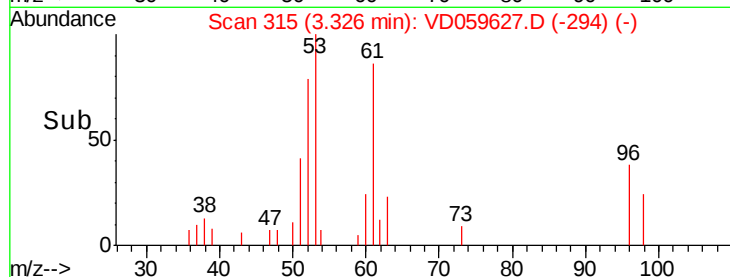
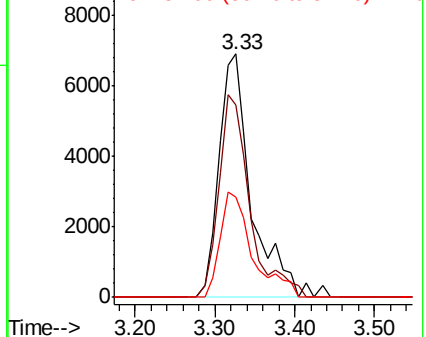
53 100

52 79.0 67.6 101.4

51 41.0 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: 118.36 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059627.D

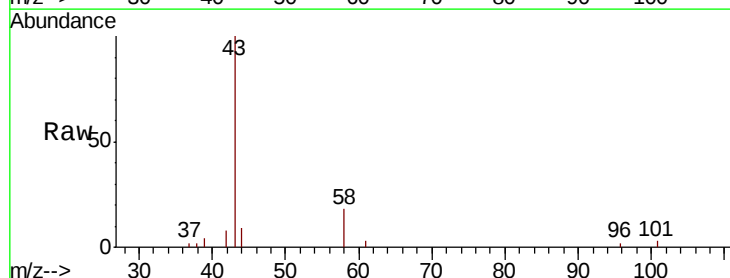
Acq: 30 Jul 2018 19:13

Tgt Ion: 43 Resp: 30865

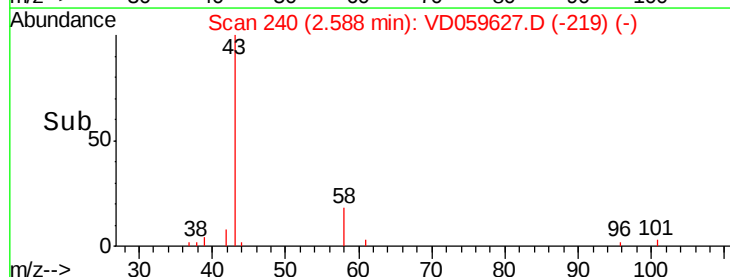
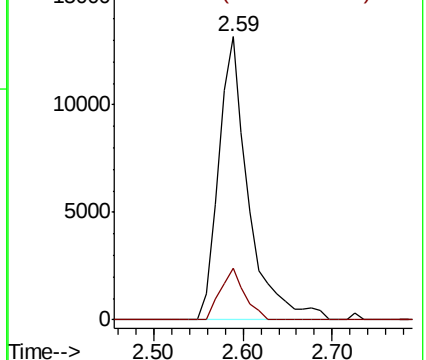
Ion Ratio Lower Upper

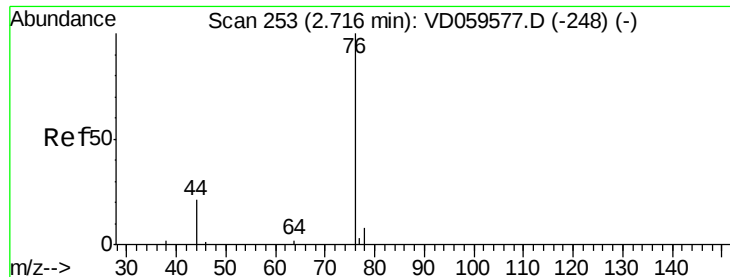
43 100

58 18.3 13.4 20.0



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

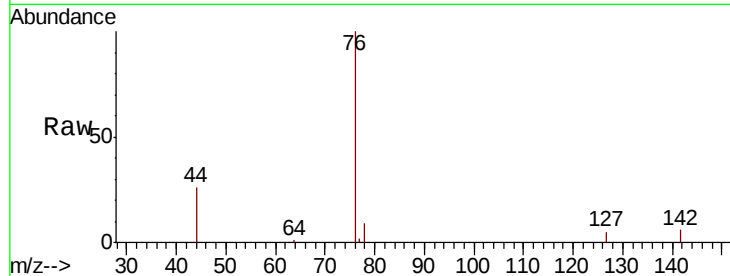




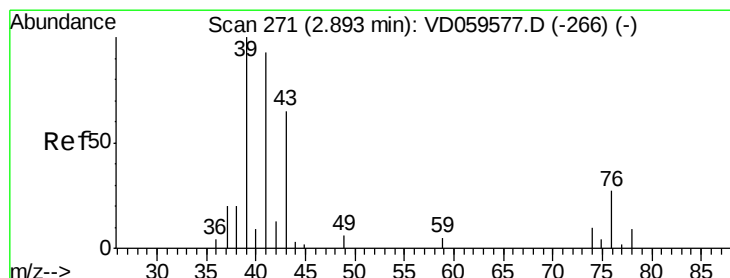
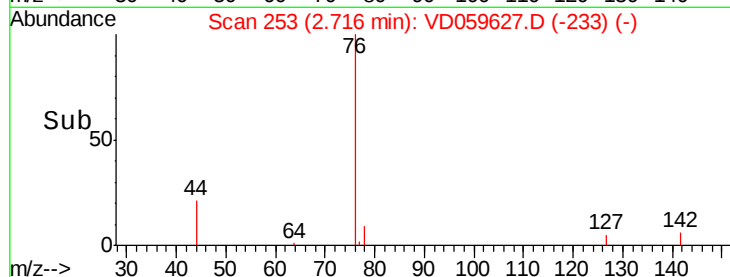
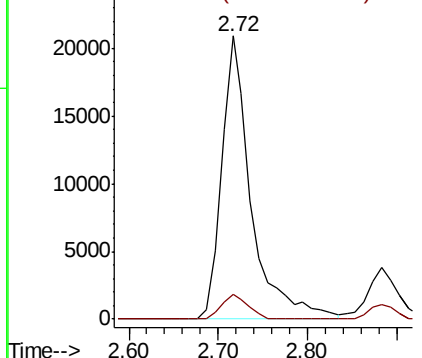
#17
Carbon Disulfide
Concen: 20.90 ug/l
RT: 2.72 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 76 Resp: 48318
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2

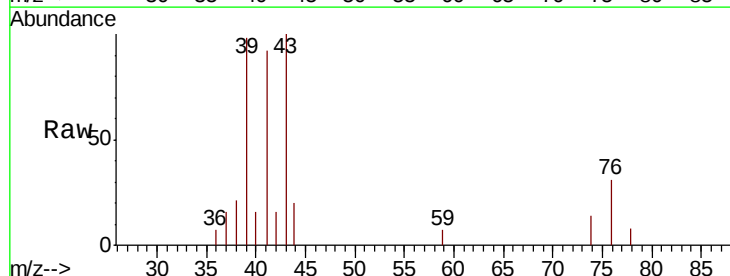


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

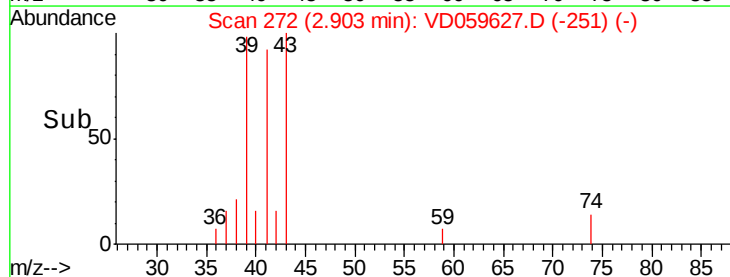
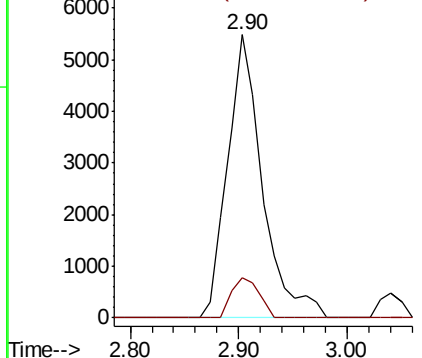


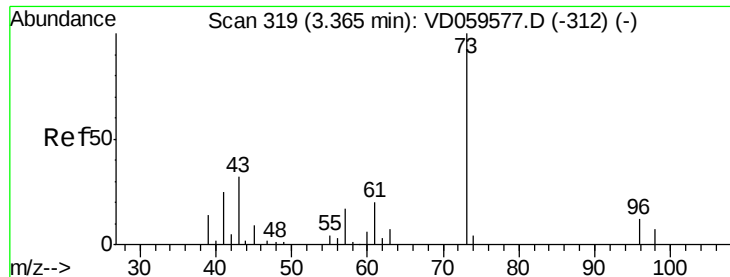
#18
Methyl Acetate
Concen: 23.60 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 43 Resp: 12307
Ion Ratio Lower Upper
43 100
74 14.2 13.0 19.4



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

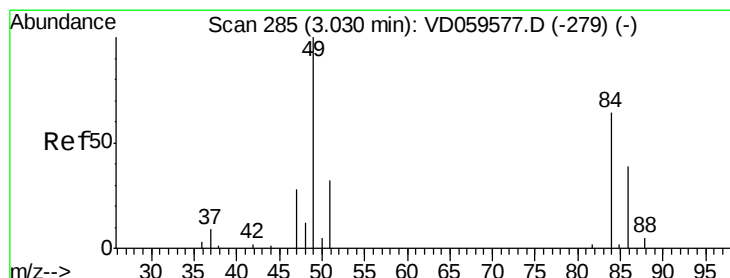
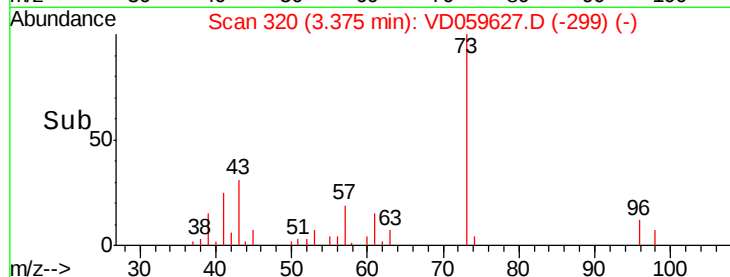
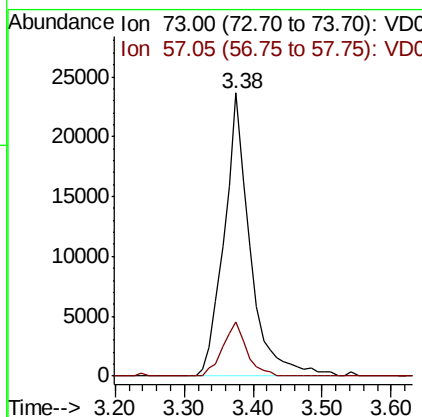
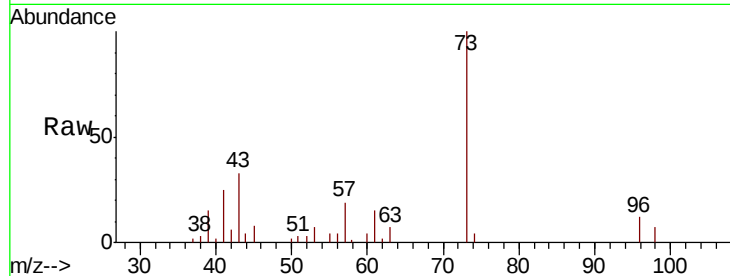




#19
Methyl tert-butyl Ether
Concen: 31.60 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

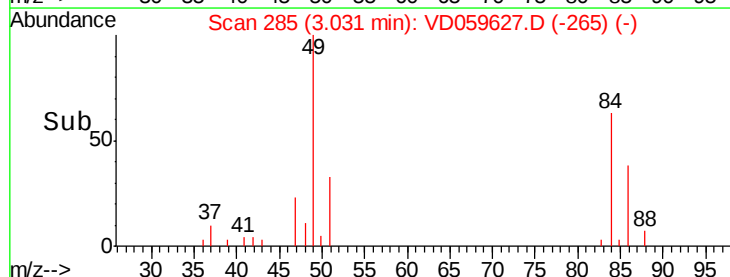
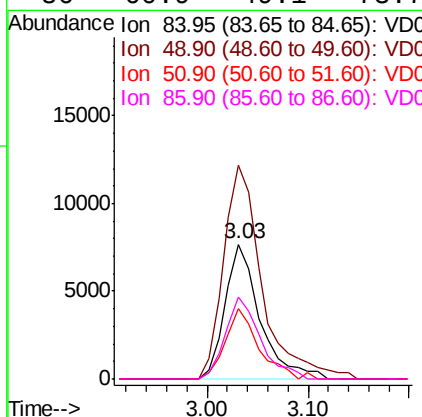
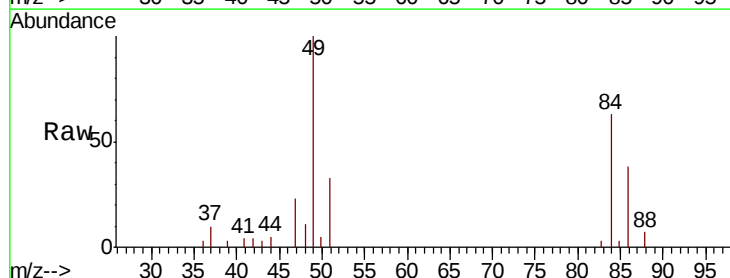
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

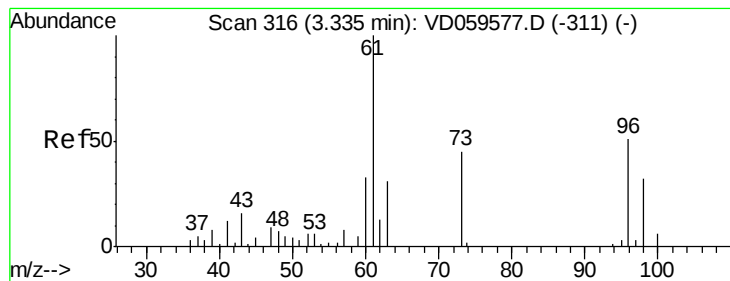
Tot Ion: 73 Resp: 61646
Ion Ratio Lower Upper
73 100
57 19.4 13.4 20.2



#20
Methylene Chloride
Concen: 24.81 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 84 Resp: 18449
Ion Ratio Lower Upper
84 100
49 158.4 125.4 188.2
51 52.6 39.7 59.5
86 60.9 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 28.44 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

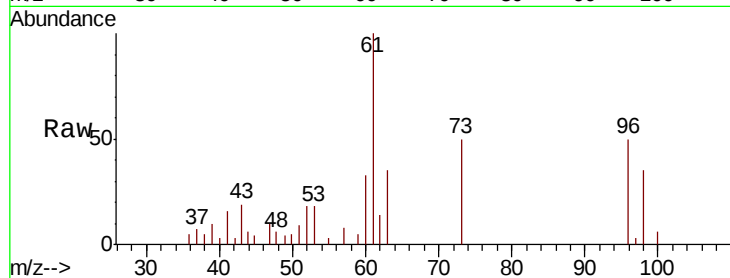
Tot Ion: 96 Resp: 17852

Ion Ratio Lower Upper

96 100

61 200.6 155.8 233.6

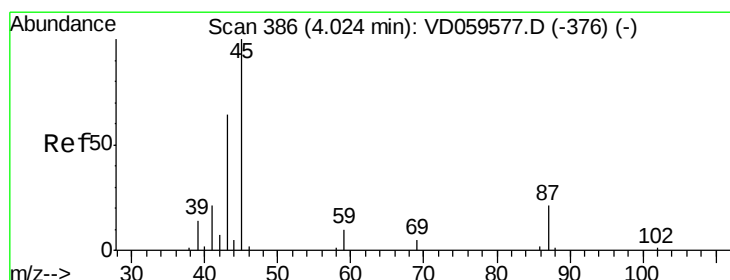
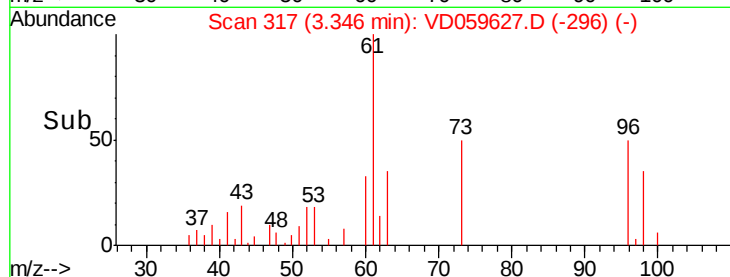
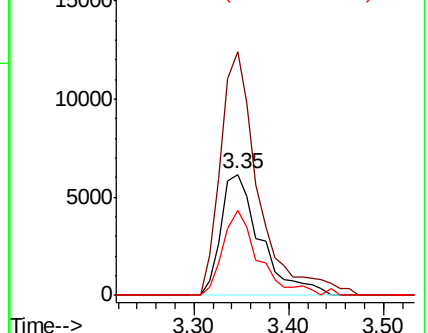
98 70.1 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.92 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Tgt Ion: 45 Resp: 77647

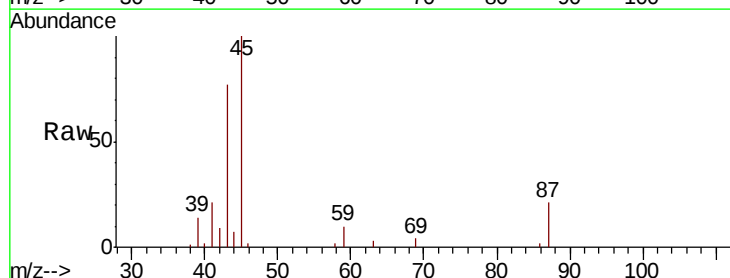
Ion Ratio Lower Upper

45 100

43 77.3 59.4 89.2

87 21.0 16.7 25.1

59 9.9 8.2 12.4

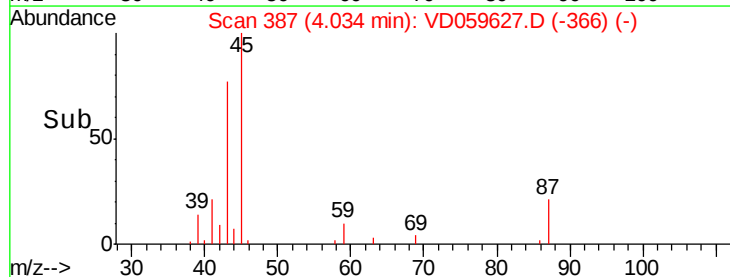
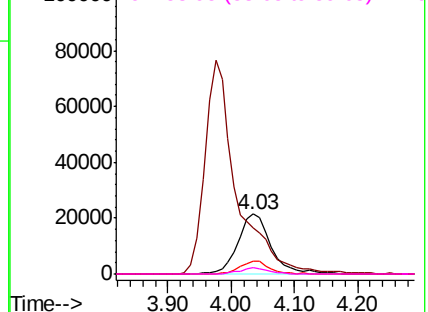


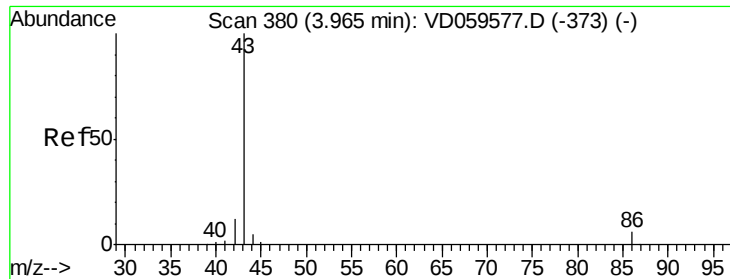
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

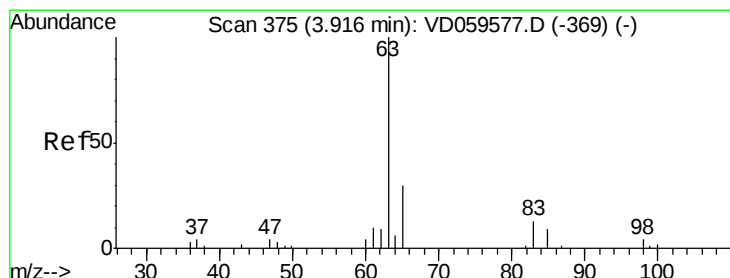
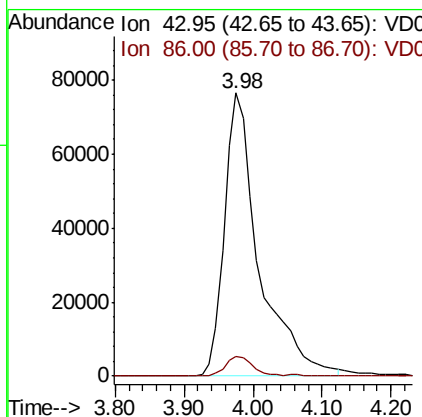
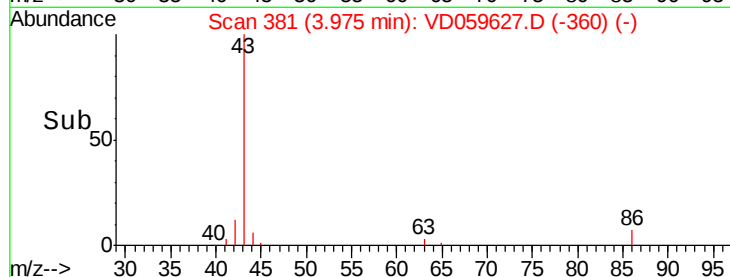
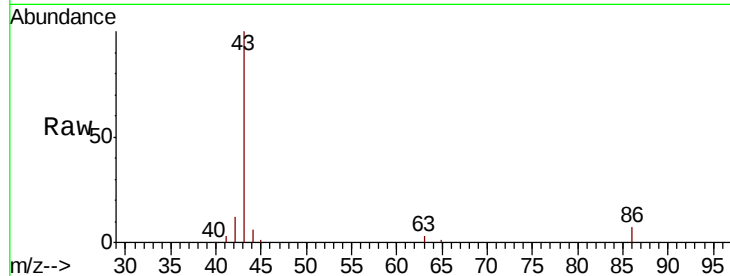




#23
 Vinyl Acetate
 Concen: 112.72 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

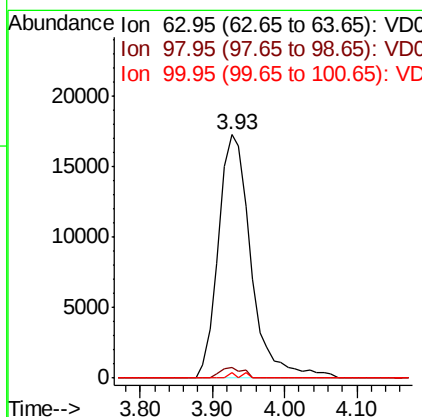
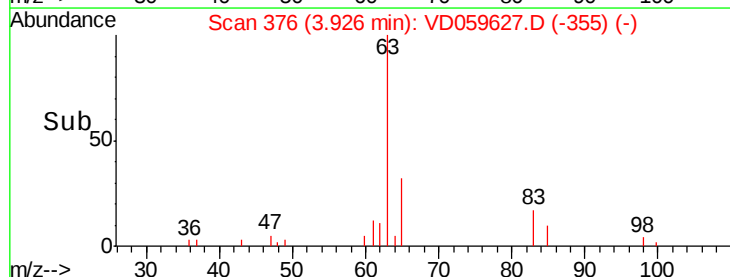
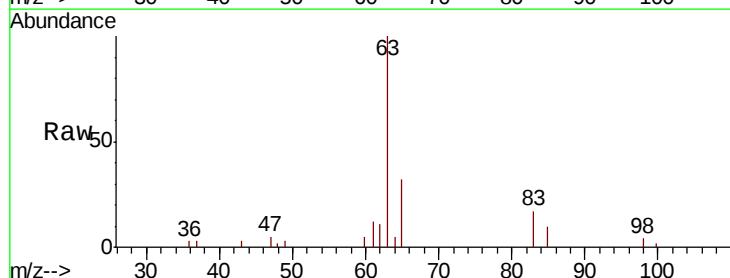
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

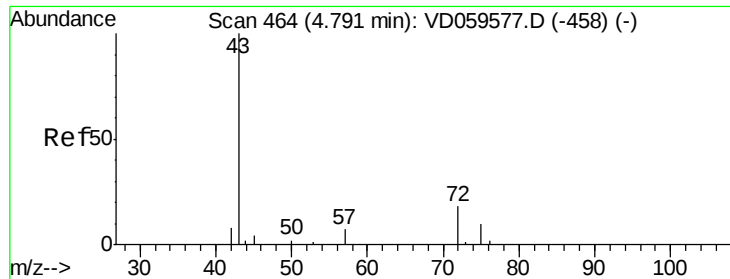
Tot Ion: 43 Resp: 265507
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 23.13 ug/l
 RT: 3.93 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 63 Resp: 54186
 Ion Ratio Lower Upper
 63 100
 98 4.2 1.8 5.5
 100 2.1 1.1 3.3





#25

2-Butanone

Concen: 109.65 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

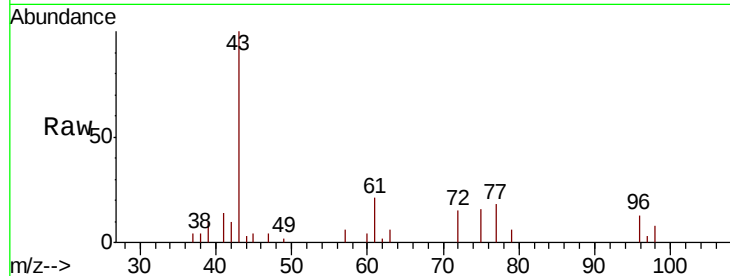
VD0730SBS01

Tot Ion: 43 Resp: 43604

Ion Ratio Lower Upper

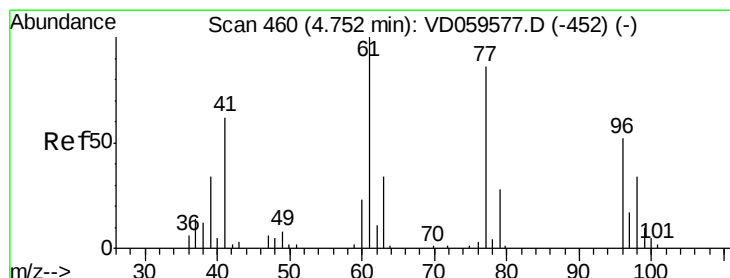
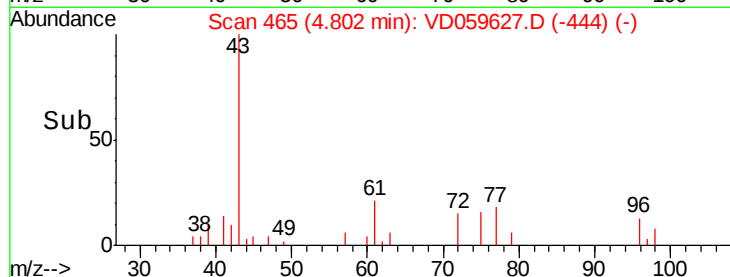
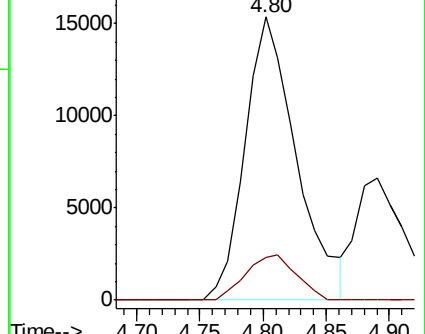
43 100

72 14.9 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.70 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059627.D

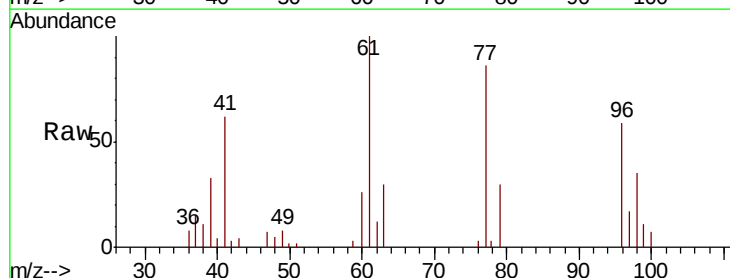
Acq: 30 Jul 2018 19:13

Tgt Ion: 77 Resp: 54460

Ion Ratio Lower Upper

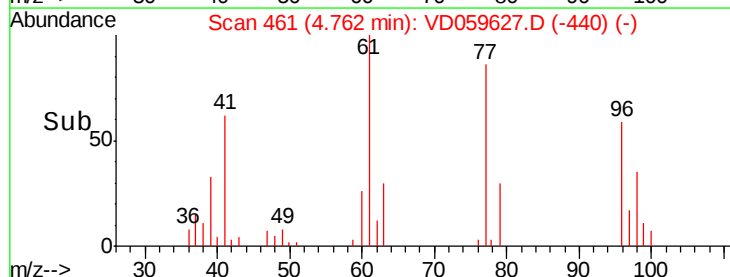
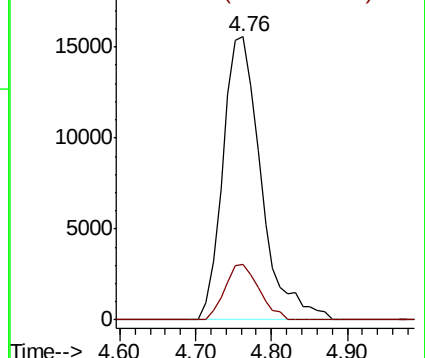
77 100

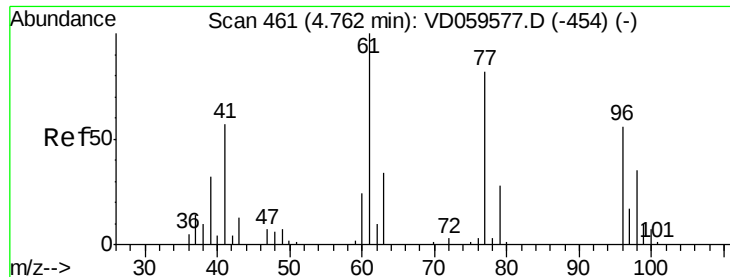
97 19.7 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



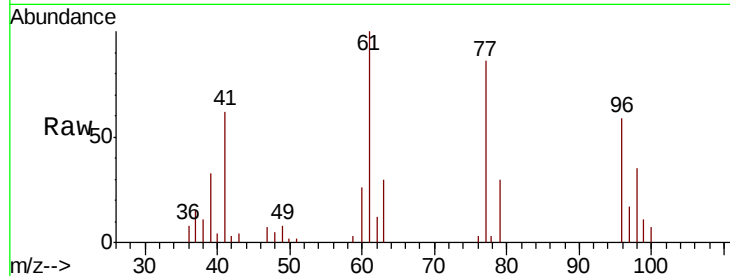


#27

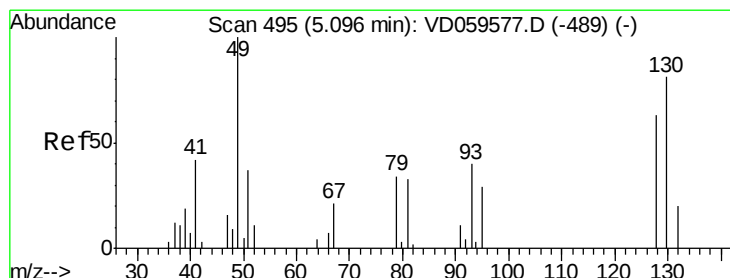
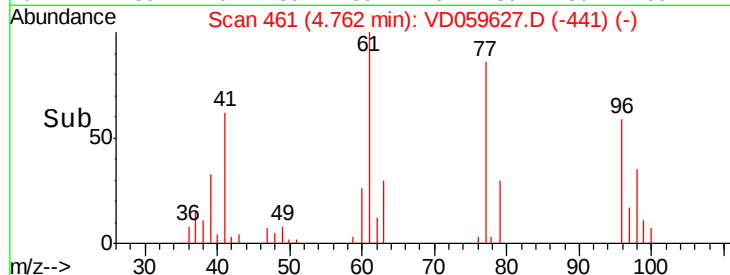
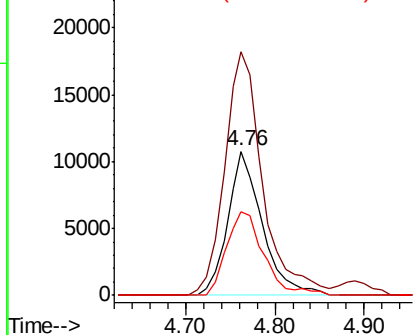
cis-1,2-Dichloroethene
 Concen: 23.23 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 96 Resp: 29126
 Ion Ratio Lower Upper
 96 100
 61 168.7 0.0 355.0
 98 58.4 0.0 125.8



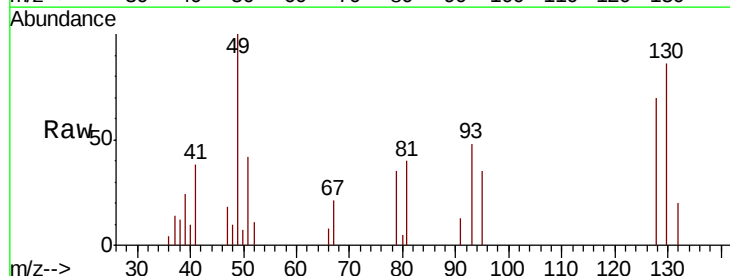
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



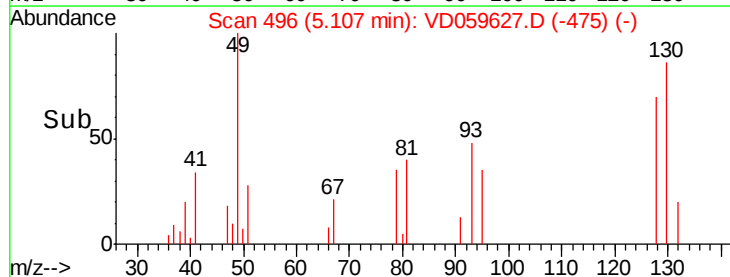
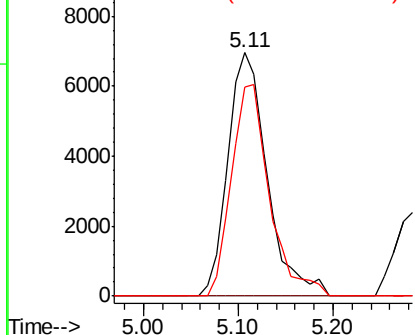
#28

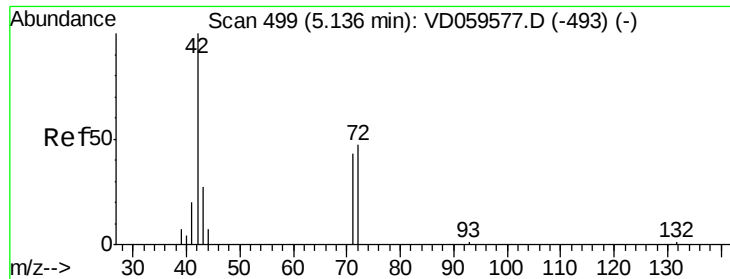
Bromochloromethane
 Concen: 21.49 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 49 Resp: 19925
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 85.9 64.6 96.8



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

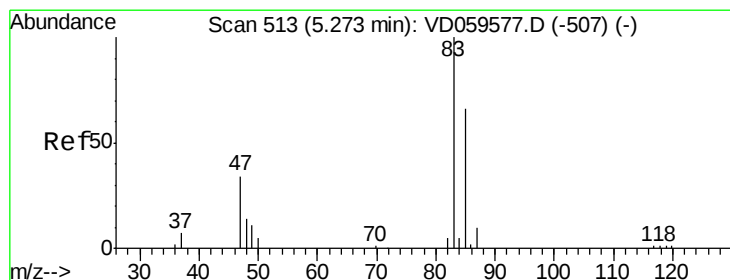
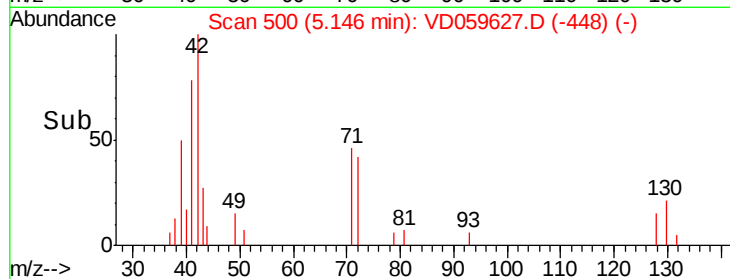
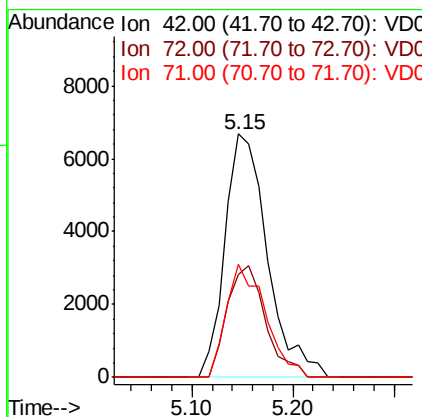
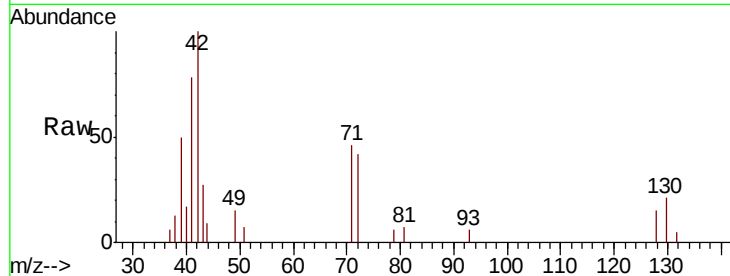




#29
Tetrahydrofuran
Concen: 106.42 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

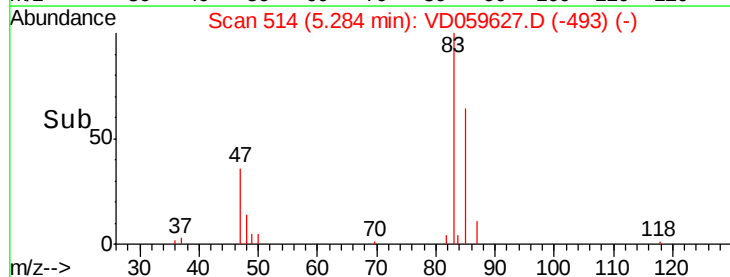
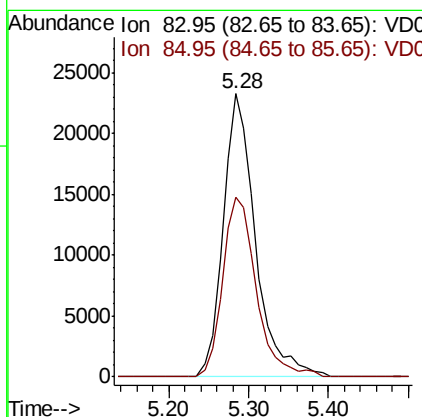
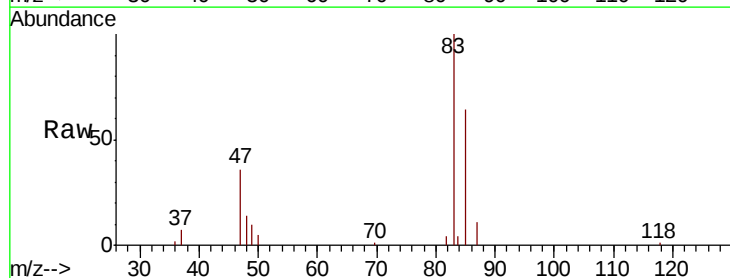
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

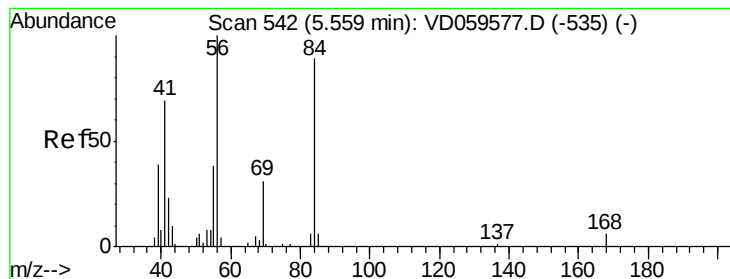
Tot Ion: 42 Resp: 19596
Ion Ratio Lower Upper
42 100
72 41.6 35.0 52.4
71 42.6 34.2 51.2



#30
Chloroform
Concen: 23.50 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 83 Resp: 65852
Ion Ratio Lower Upper
83 100
85 63.6 53.0 79.6





#31

Cyclohexane

Concen: 19.04 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

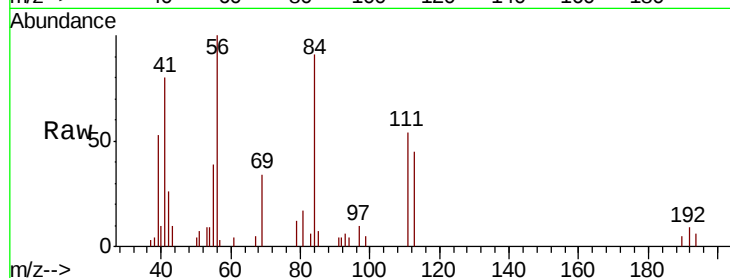
Tot Ion: 56 Resp: 33811

Ion Ratio Lower Upper

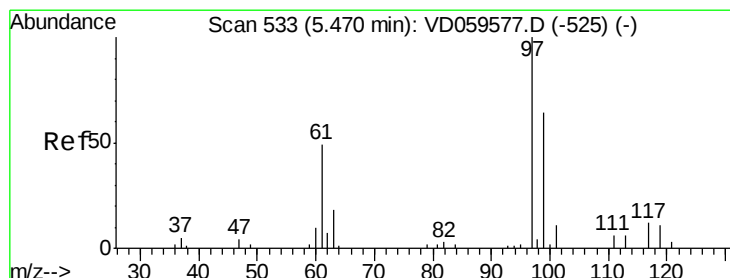
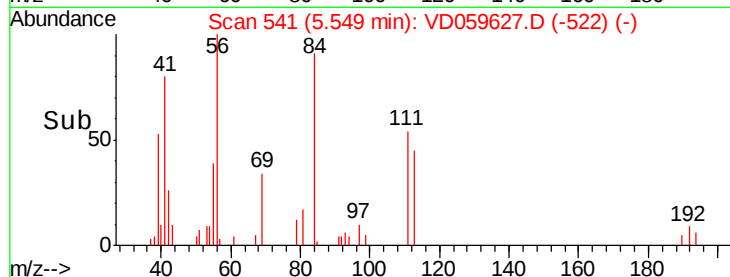
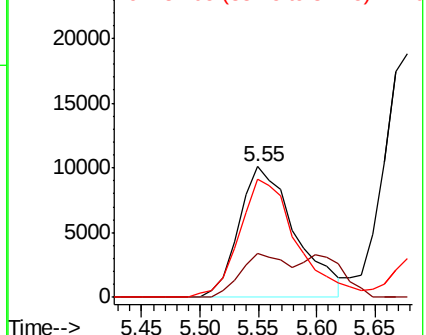
56 100

69 34.1 24.6 37.0

84 91.1 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 22.70 ug/l

RT: 5.47 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

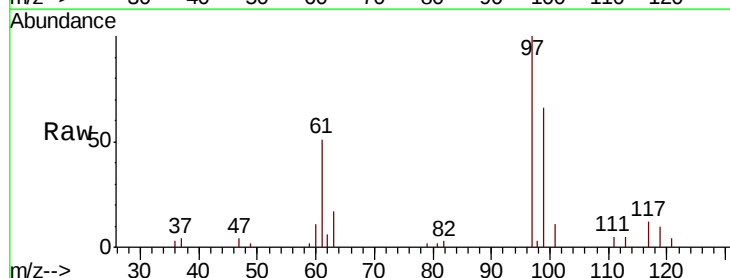
Tgt Ion: 97 Resp: 61594

Ion Ratio Lower Upper

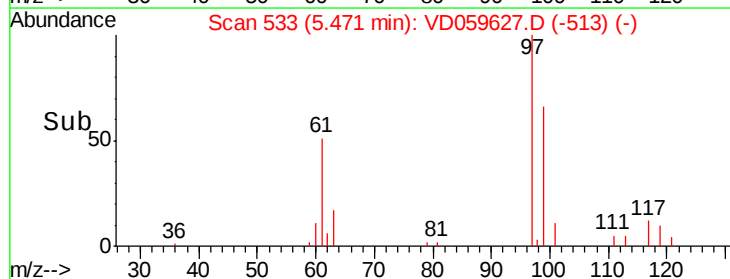
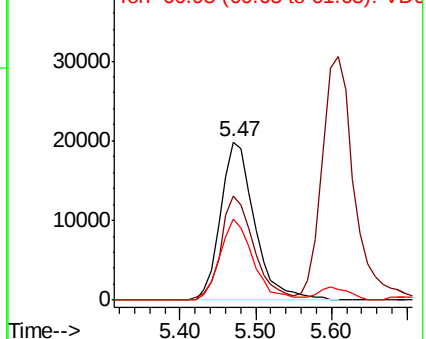
97 100

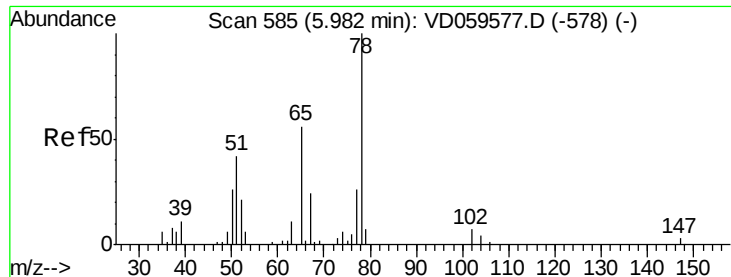
99 65.8 50.9 76.3

61 51.3 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

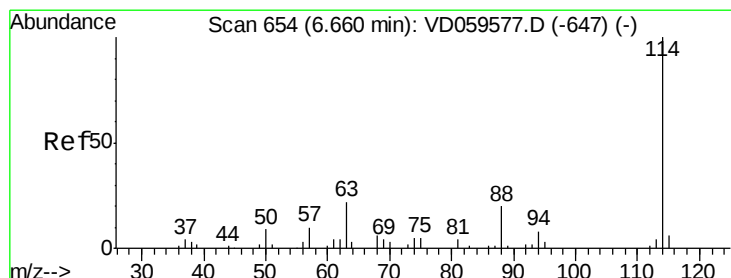
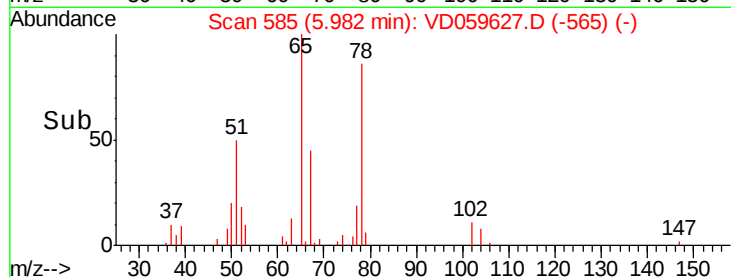
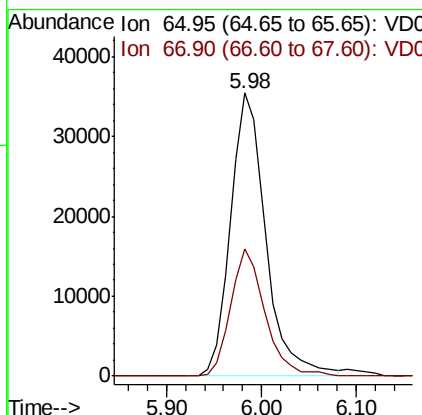
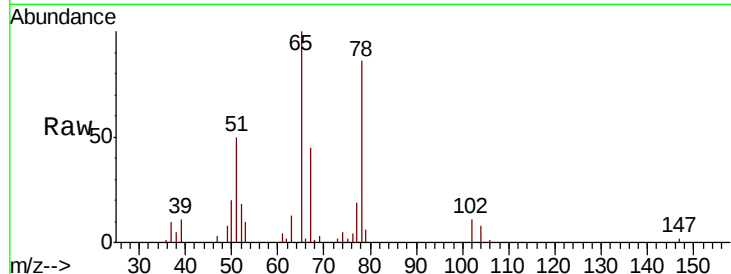




#33
 1,2-Dichloroethane-d4
 Concen: 22.70 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

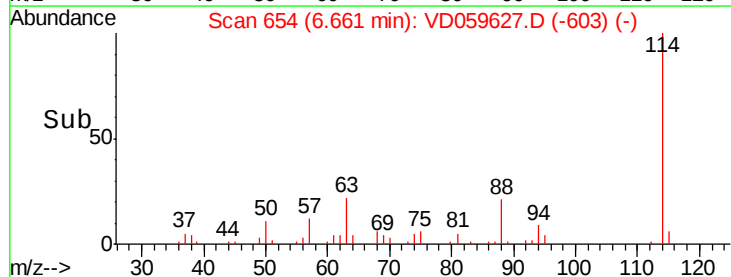
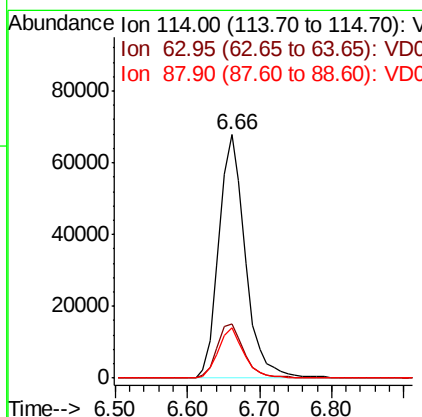
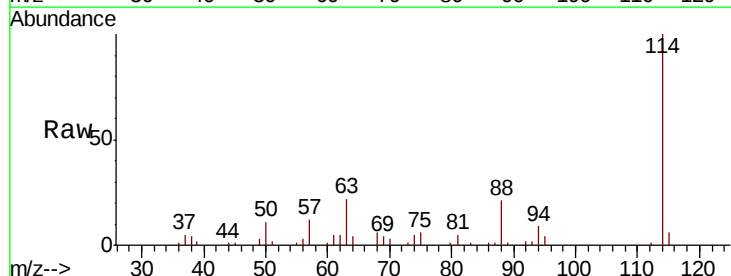
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

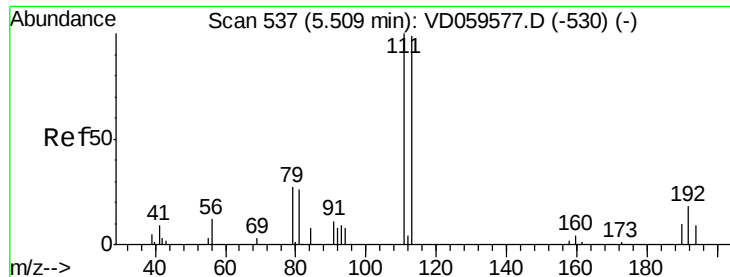
Tot Ion: 65 Resp: 90992
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 114 Resp: 171971
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 20.6 0.0 39.0

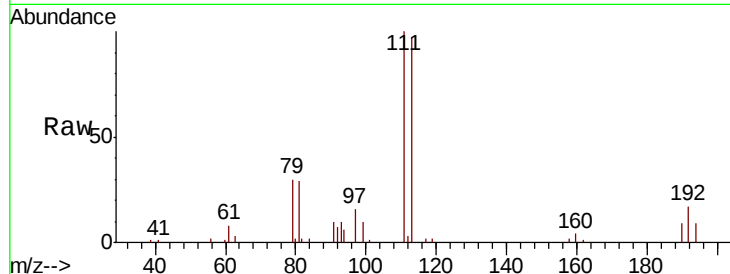




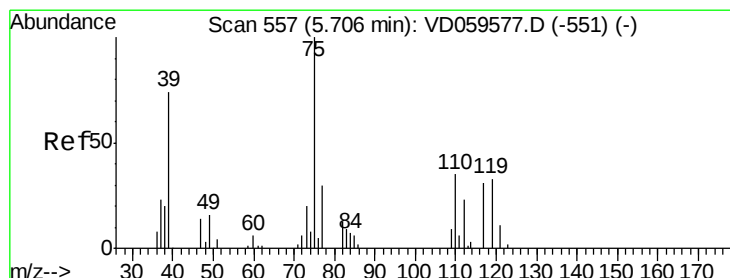
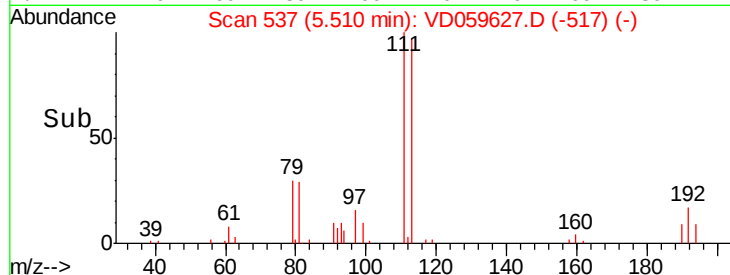
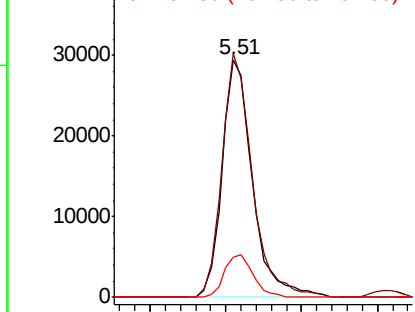
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.5	120.7
192	17.0	14.5	21.7

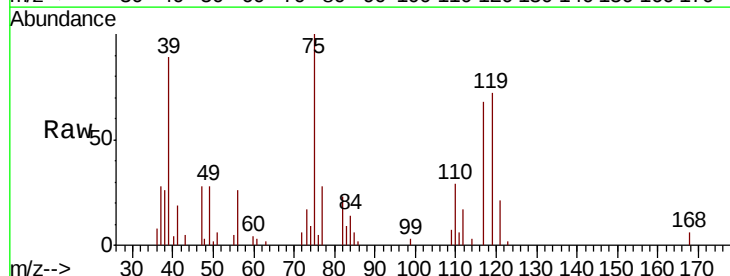


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

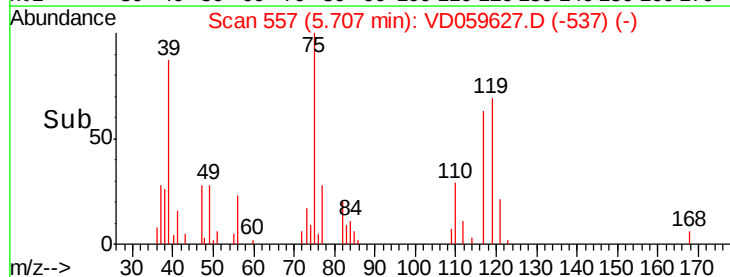
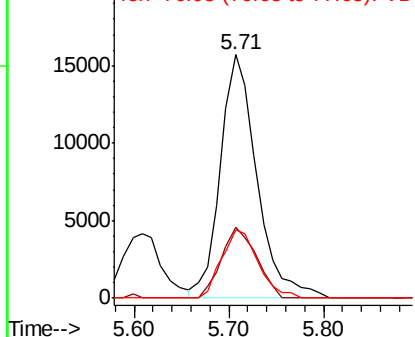


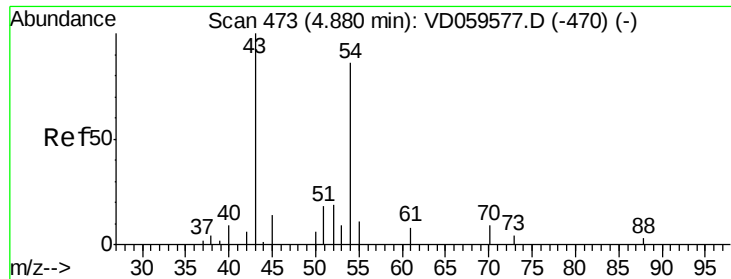
#36
 1,1-Dichloropropene
 Concen: 24.27 ug/l
 RT: 5.71 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	17.0	50.9
77	28.3	23.6	35.4



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





#37

Ethyl Acetate

Concen: 20.99 ug/l

RT: 4.89 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

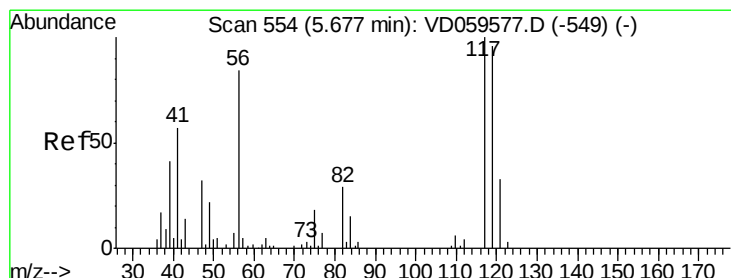
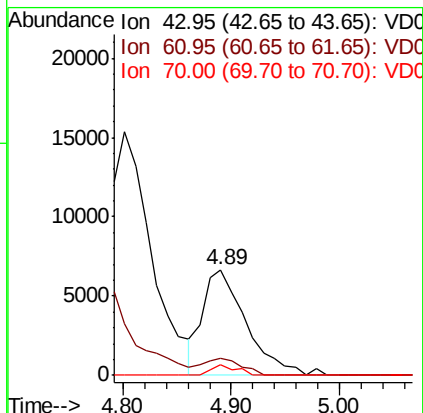
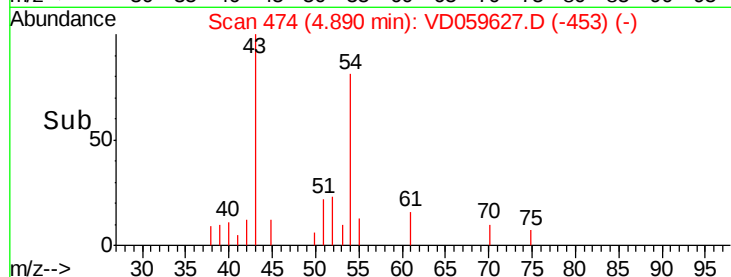
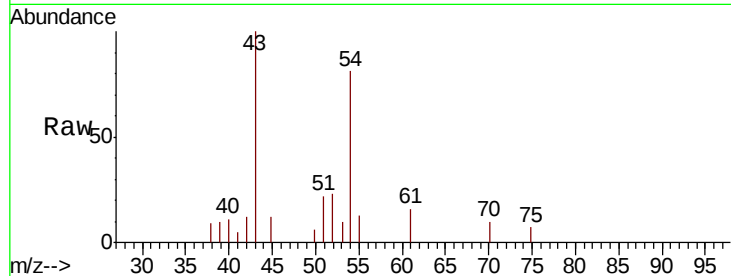
Tot Ion: 43 Resp: 18636

Ion Ratio Lower Upper

43 100

61 15.6 10.7 16.1

70 10.2 5.4 8.0#



#38

Carbon Tetrachloride

Concen: 23.90 ug/l

RT: 5.69 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

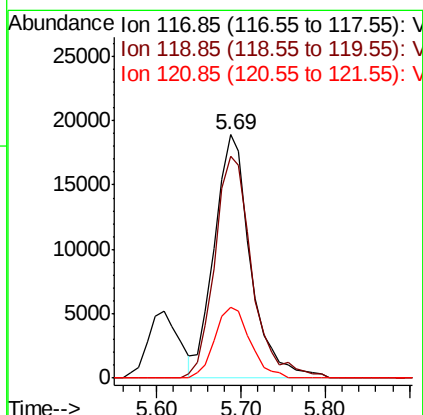
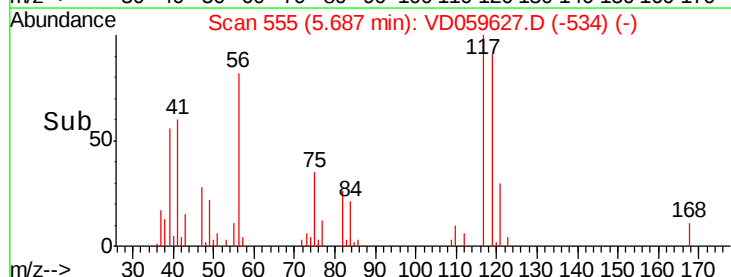
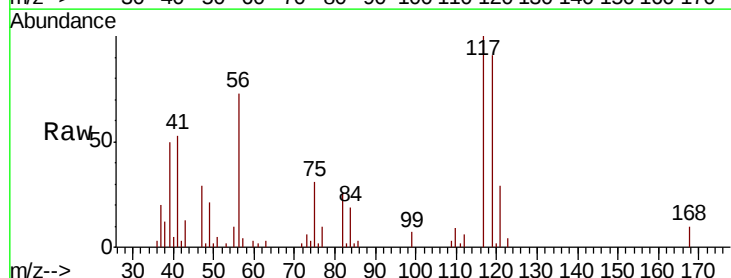
Tgt Ion: 117 Resp: 56481

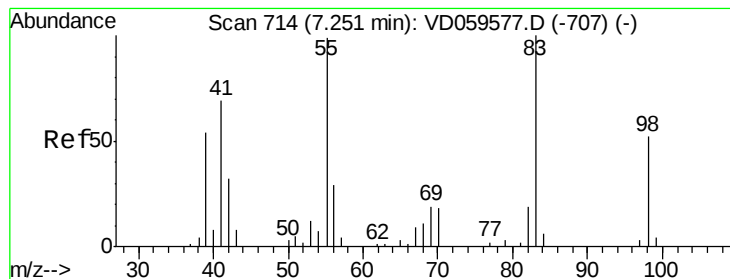
Ion Ratio Lower Upper

117 100

119 91.2 73.6 110.4

121 29.2 25.0 37.6





#39

Methvlcvclohexane

Concen: 23.72 ug/l

RT: 7.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

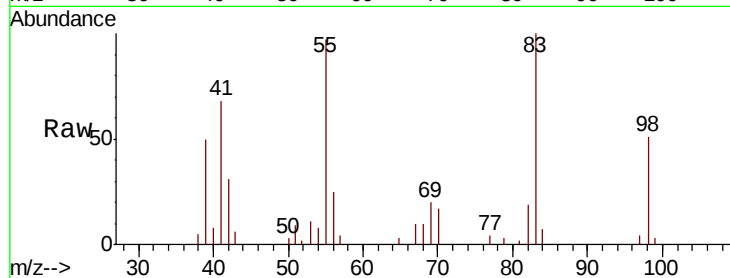
Tot Ion: 83 Resp: 37634

Ion Ratio Lower Upper

83 100

55 97.1 79.4 119.0

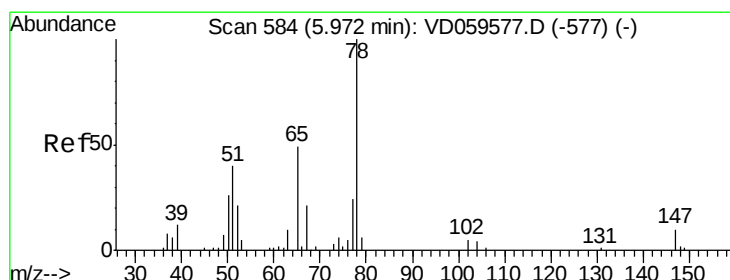
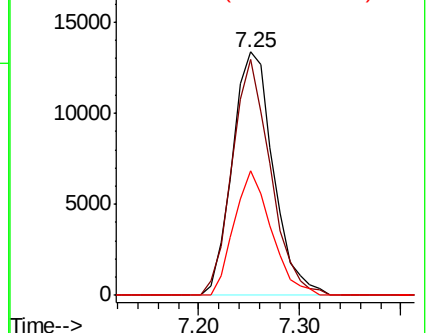
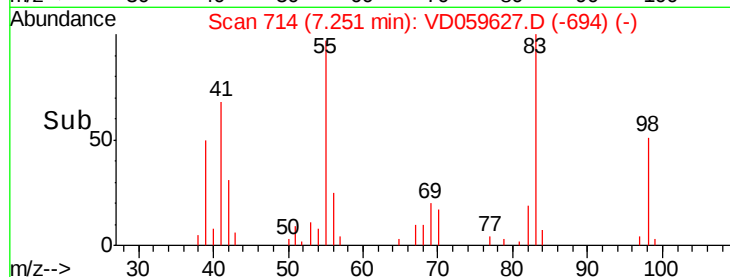
98 51.1 41.6 62.4



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: 23.65 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059627.D

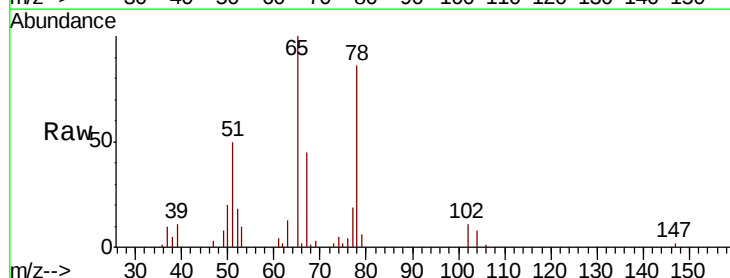
Acq: 30 Jul 2018 19:13

Tgt Ion: 78 Resp: 83687

Ion Ratio Lower Upper

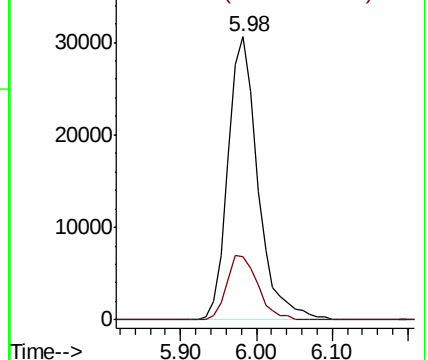
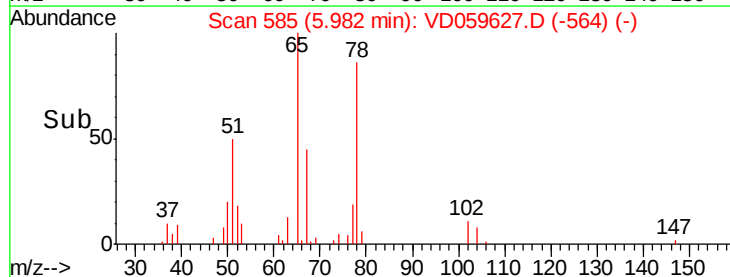
78 100

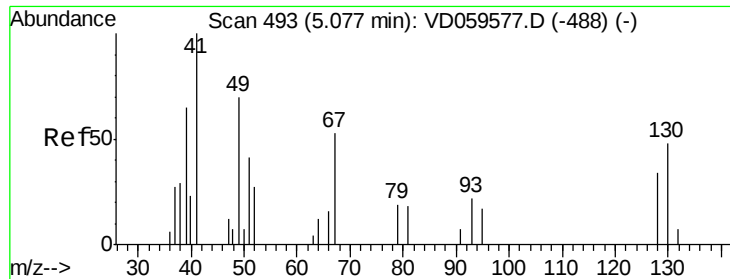
77 22.5 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.02 ug/l

RT: 5.09 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 41 Resp: 9755

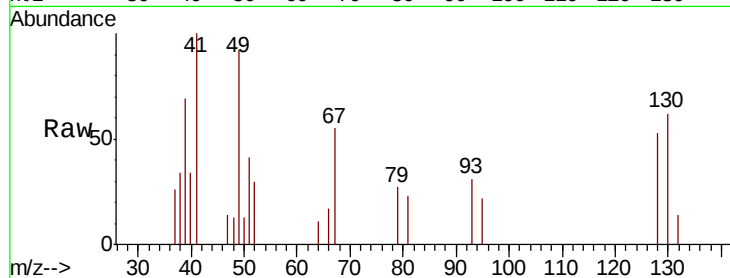
Ion Ratio Lower Upper

41 100

39 69.5 52.1 78.1

67 54.9 42.5 63.7

52 30.3 21.8 32.8

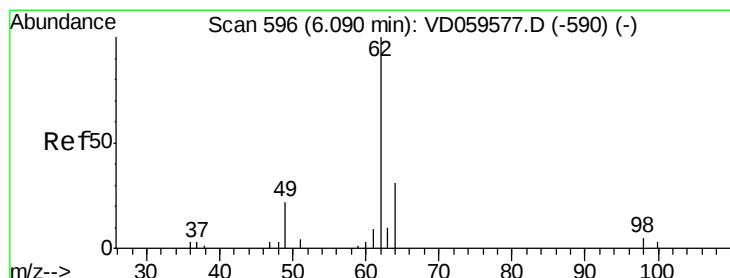
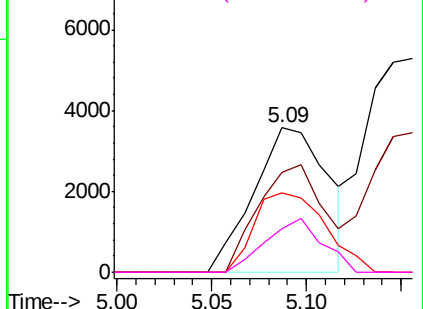
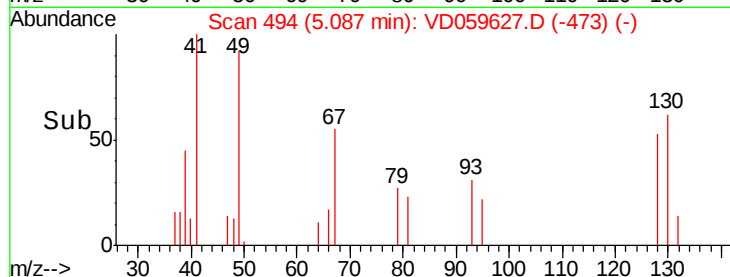


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.25 ug/l

RT: 6.09 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD059627.D

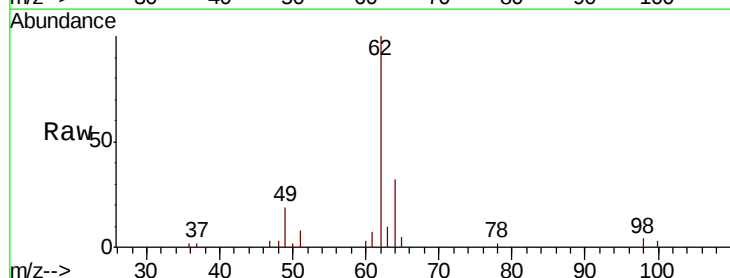
Acq: 30 Jul 2018 19:13

Tgt Ion: 62 Resp: 51713

Ion Ratio Lower Upper

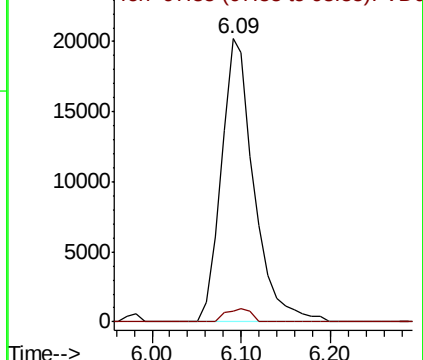
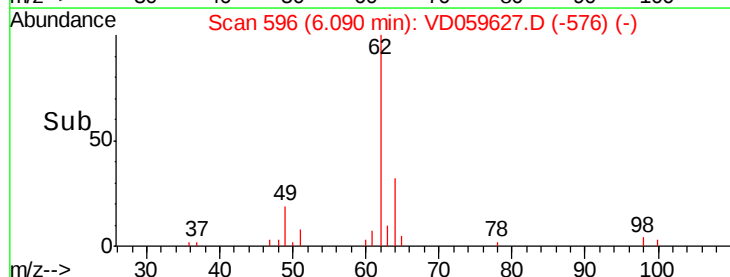
62 100

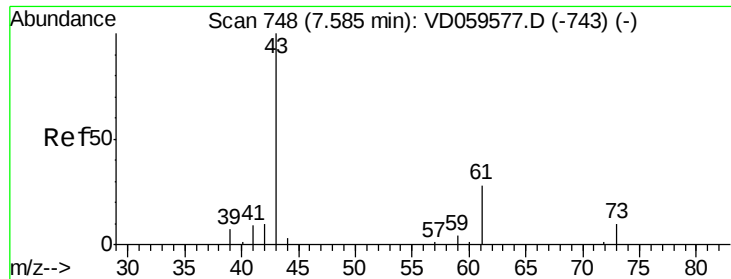
98 4.0 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



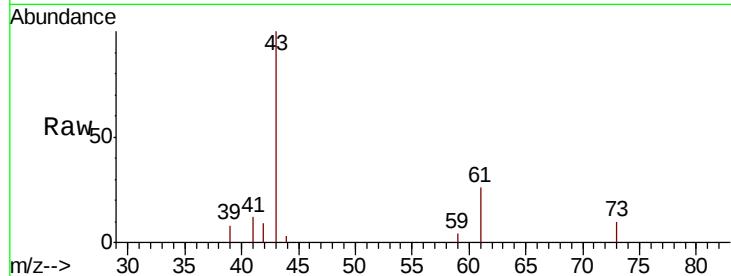


#43

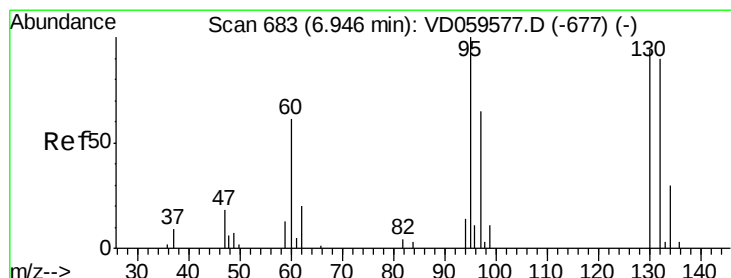
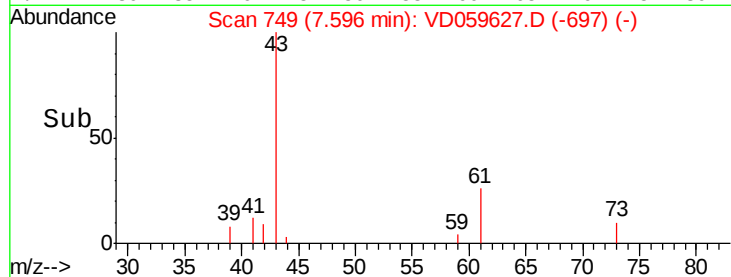
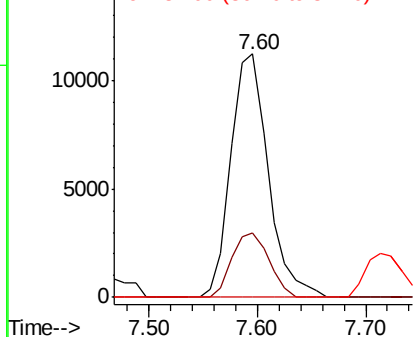
Isopropyl Acetate
 Concen: 21.92 ug/l
 RT: 7.60 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 43 Resp: 26988
 Ion Ratio Lower Upper
 43 100
 61 26.4 22.0 33.0
 87 0.0 0.0 0.0



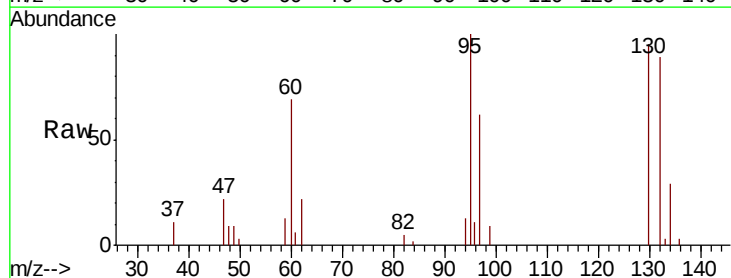
Abundance Ion 42.95 (42.65 to 43.65): VD0
 15000 Ion 60.95 (60.65 to 61.65): VD0
 Ion 87.00 (86.70 to 87.70): VD0



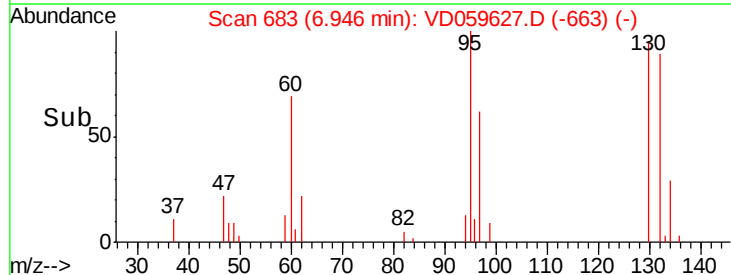
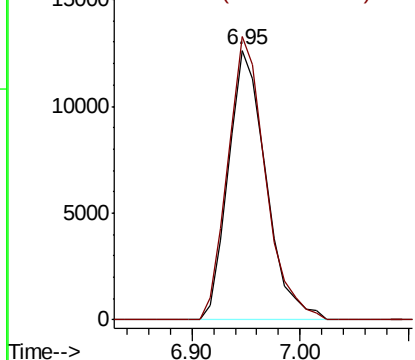
#44

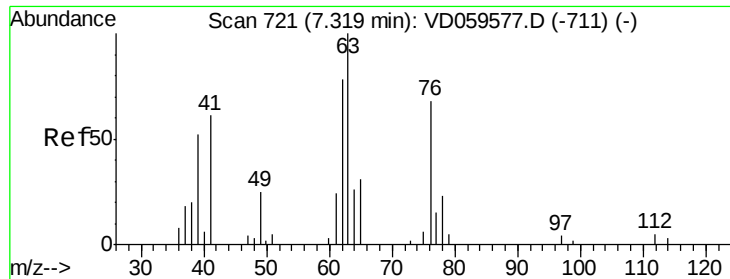
Trichloroethene
 Concen: 23.83 ug/l
 RT: 6.95 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 130 Resp: 30593
 Ion Ratio Lower Upper
 130 100
 95 105.0 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): V
 15000 Ion 94.90 (94.60 to 95.60): VD0





#45

1,2-Dichloropropane

Concen: 21.01 ug/l

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

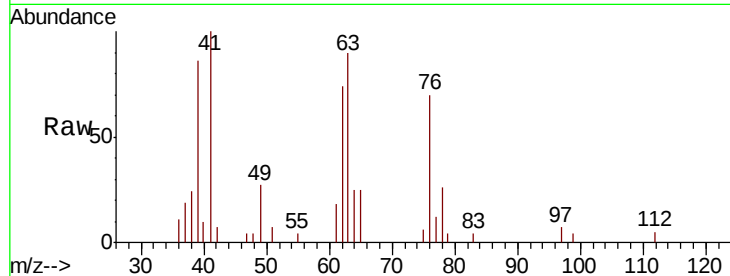
VD0730SBS01

Tot Ion: 63 Resp: 20825

Ion Ratio Lower Upper

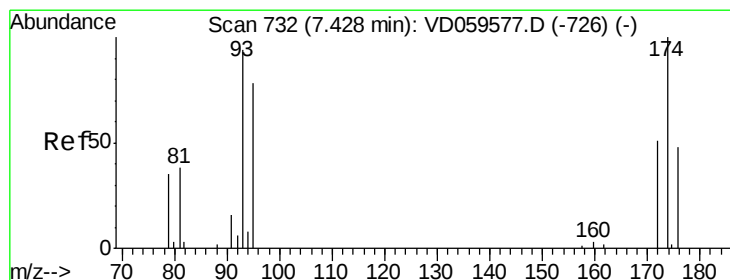
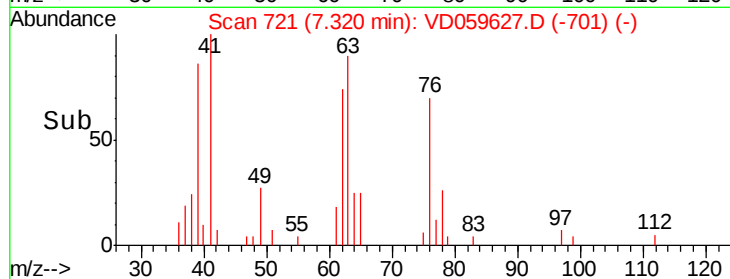
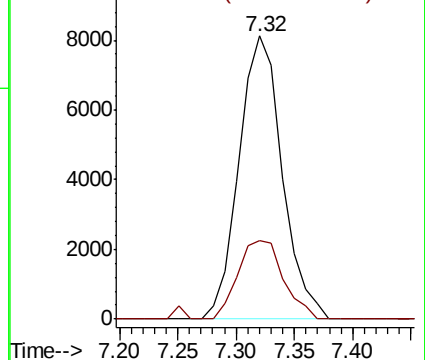
63 100

65 27.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.01 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

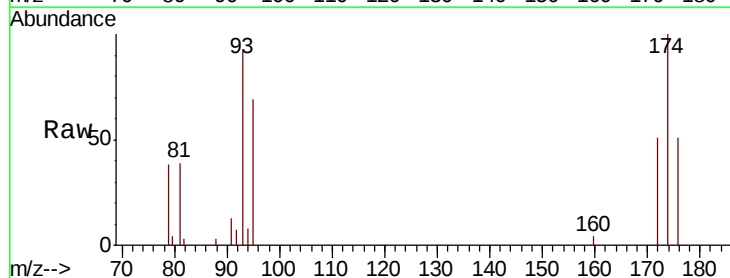
Tgt Ion: 93 Resp: 19273

Ion Ratio Lower Upper

93 100

95 74.3 65.8 98.8

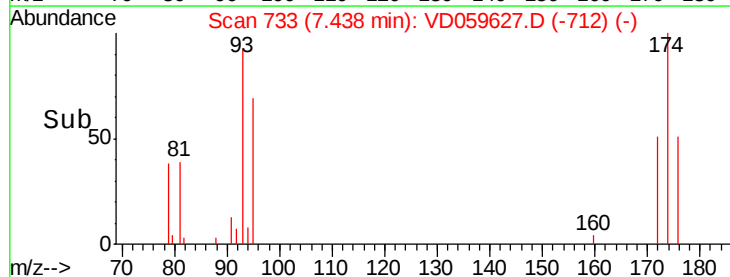
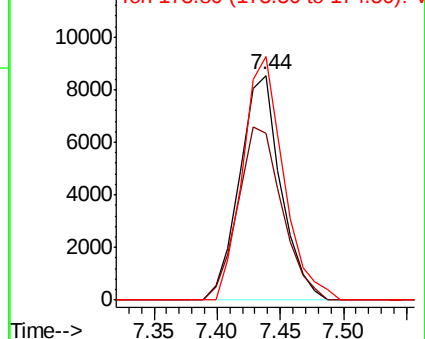
174 108.4 84.7 127.1

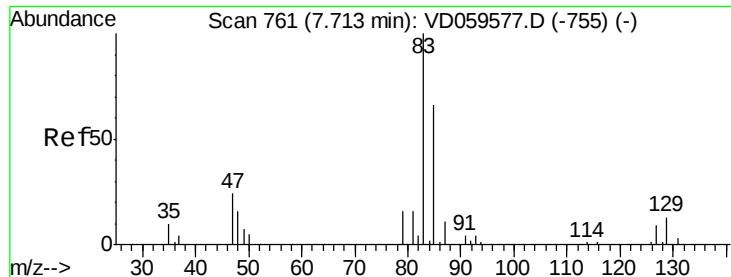


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.60 ug/l

RT: 7.71 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

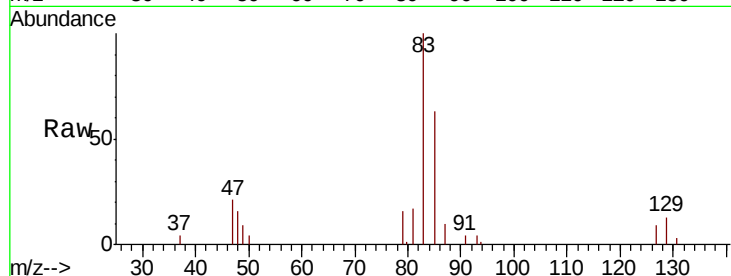
Tot Ion: 83 Resp: 49220

Ion Ratio Lower Upper

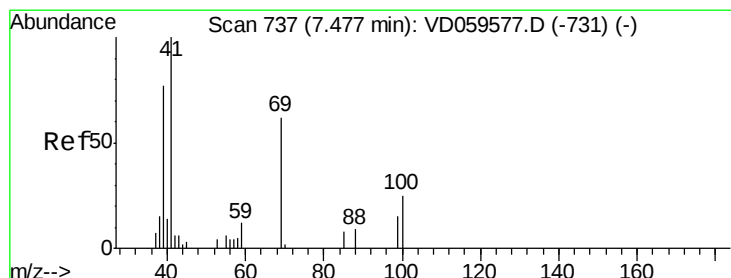
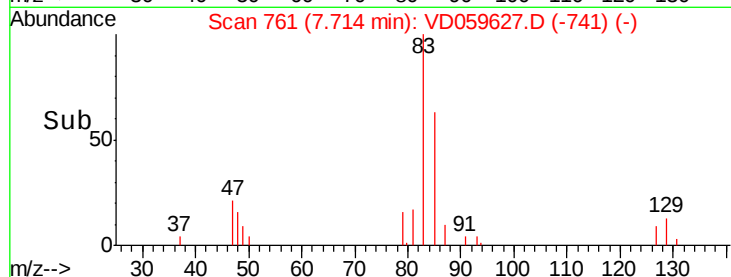
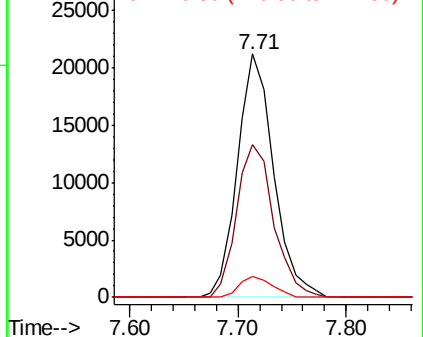
83 100

85 62.8 53.1 79.7

127 8.7 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: 22.94 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

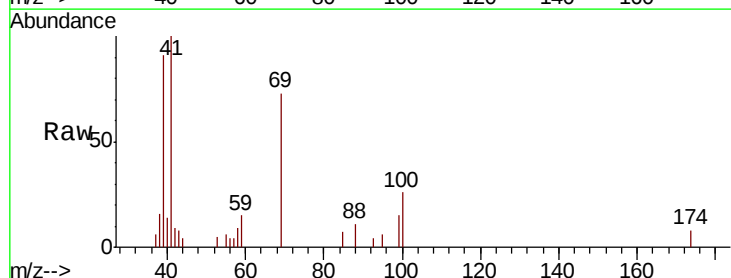
Tgt Ion: 41 Resp: 18727

Ion Ratio Lower Upper

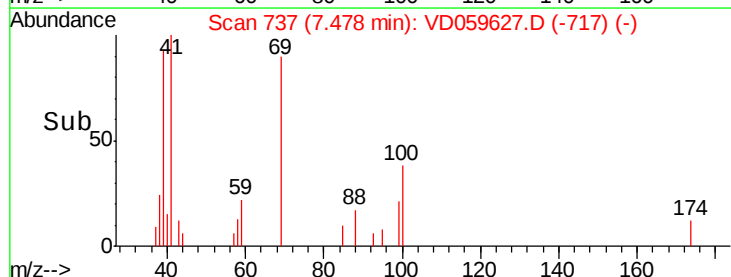
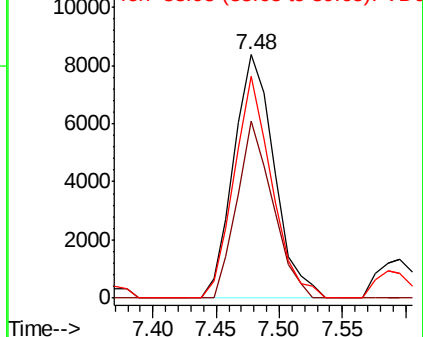
41 100

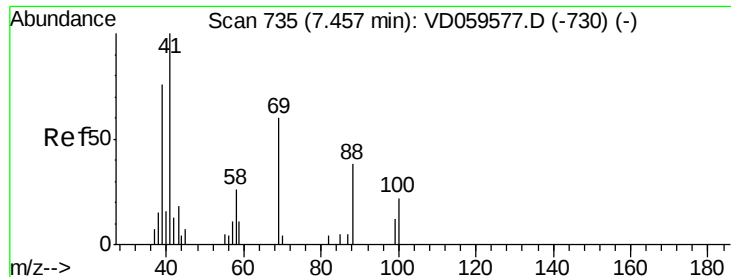
69 72.8 49.4 74.0

39 91.2 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

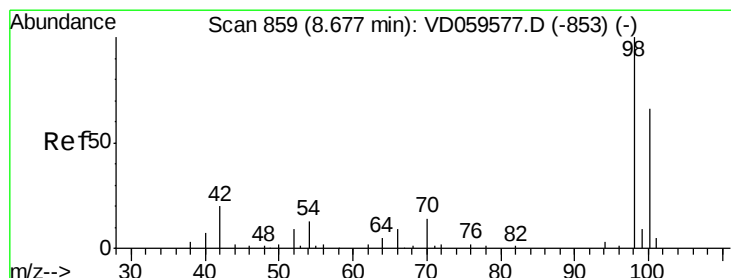
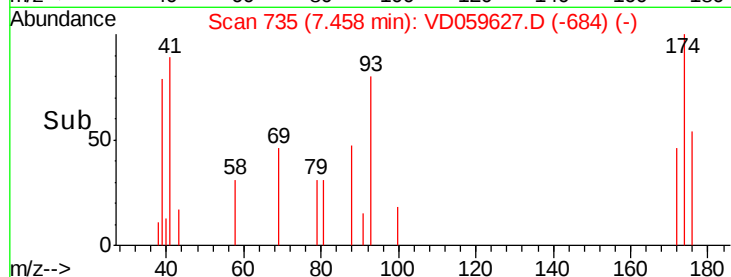
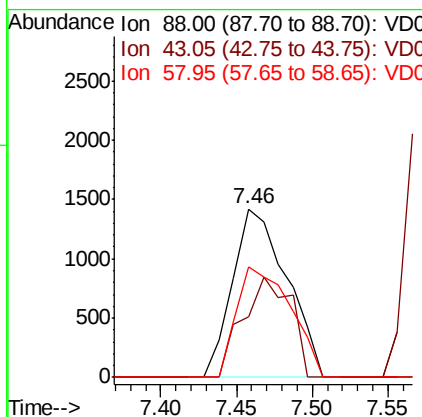
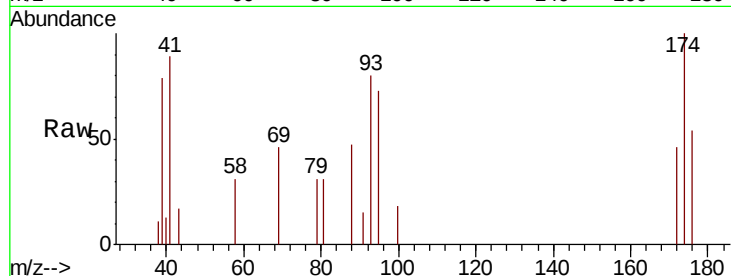




#49
1,4-Dioxane
Concen: 478.31 ug/l
RT: 7.46 min Scan# 735
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

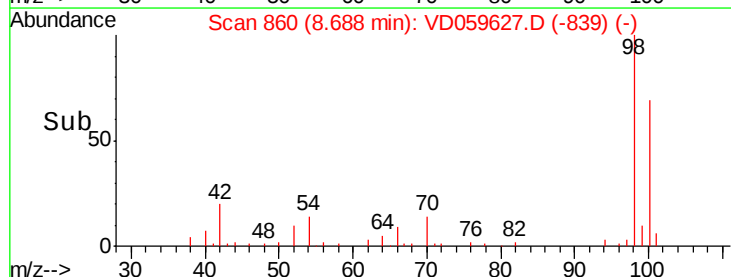
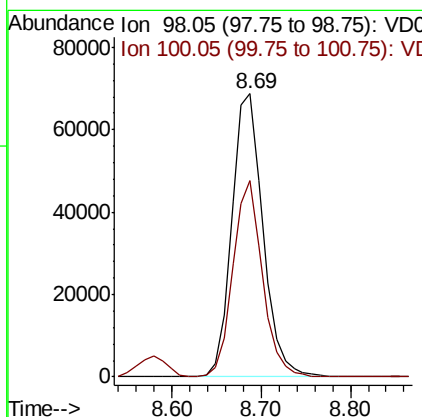
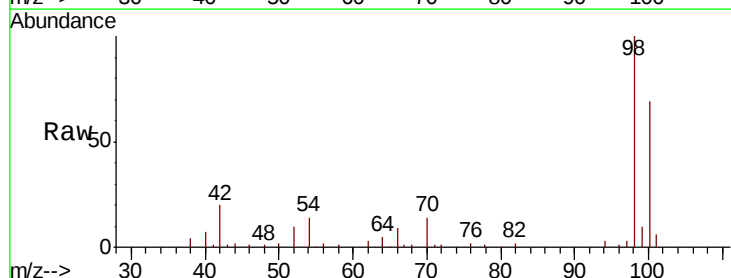
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

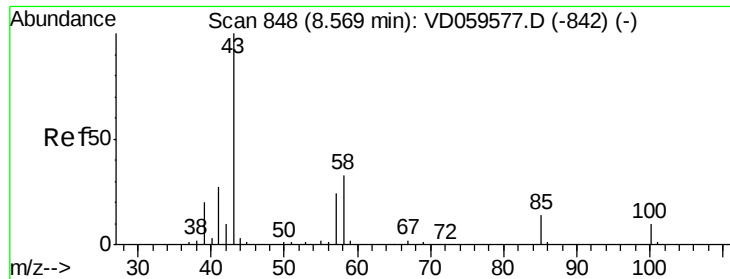
Tot Ion: 88 Resp: 3562
Ion Ratio Lower Upper
88 100
43 35.7 37.4 56.2#
58 65.8 55.6 83.4



#50
Toluene-d8
Concen: 478.31 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 98 Resp: 167470
Ion Ratio Lower Upper
98 100
100 69.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 118.15 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

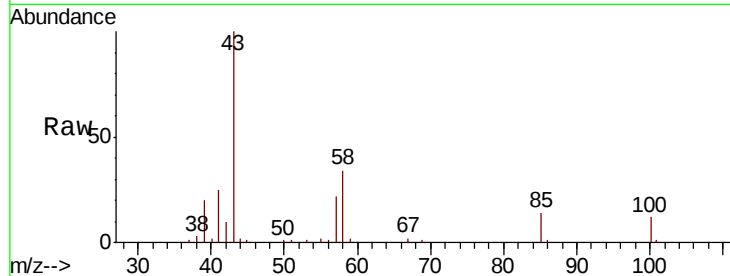
VD0730SBS01

Tot Ion: 43 Resp: 97118

Ion Ratio Lower Upper

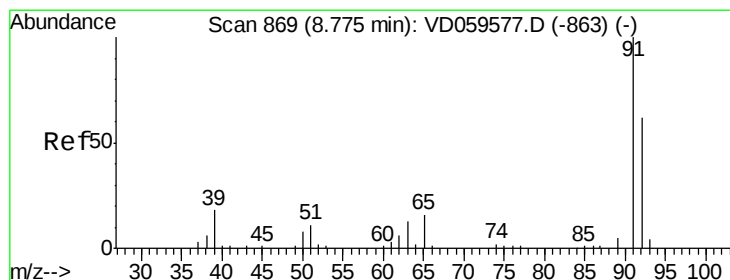
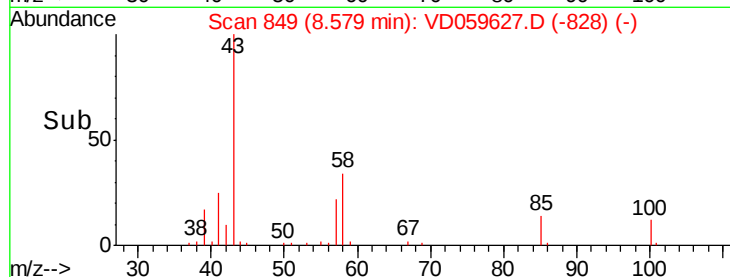
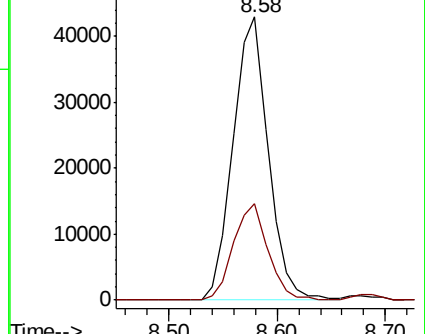
43 100

58 34.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.69 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059627.D

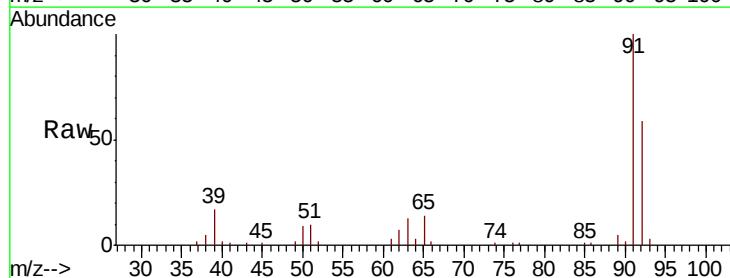
Acq: 30 Jul 2018 19:13

Tgt Ion: 92 Resp: 55579

Ion Ratio Lower Upper

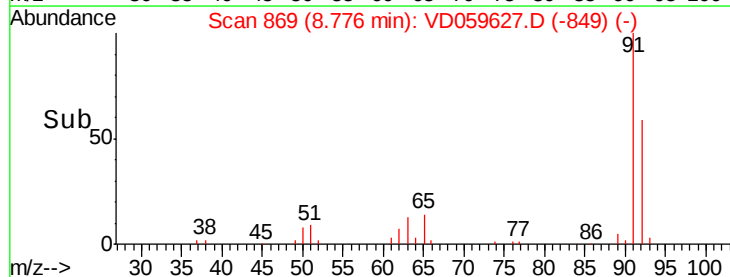
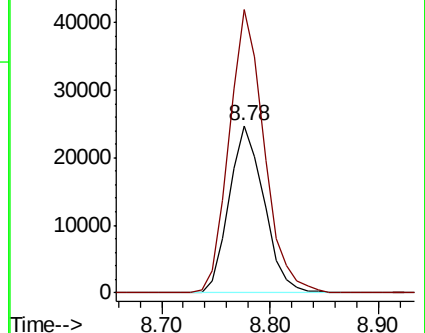
92 100

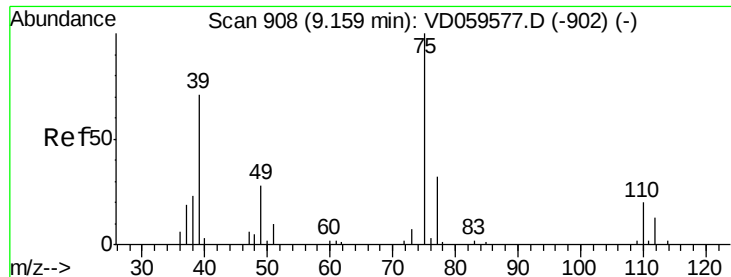
91 168.9 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

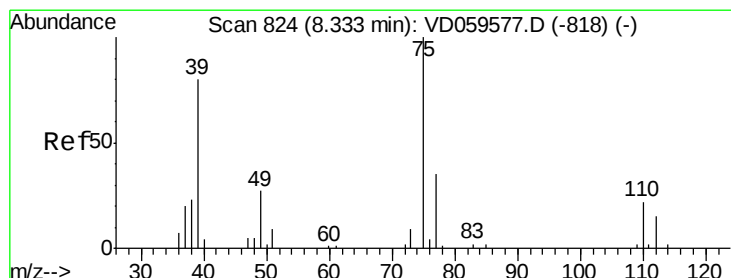
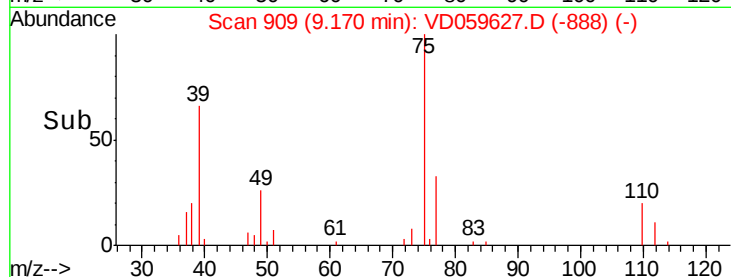
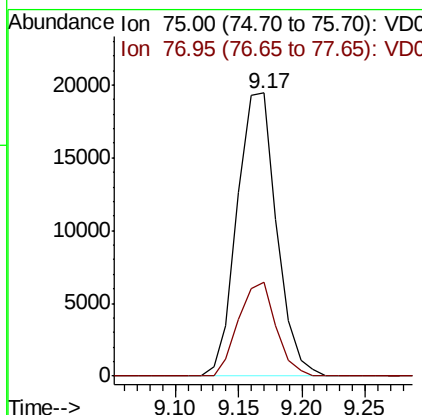
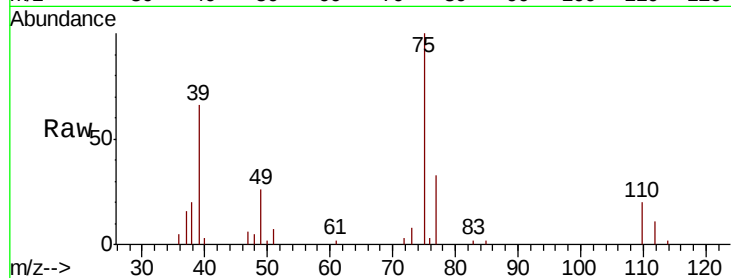




#53
 t-1,3-Dichloropropene
 Concen: 23.42 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

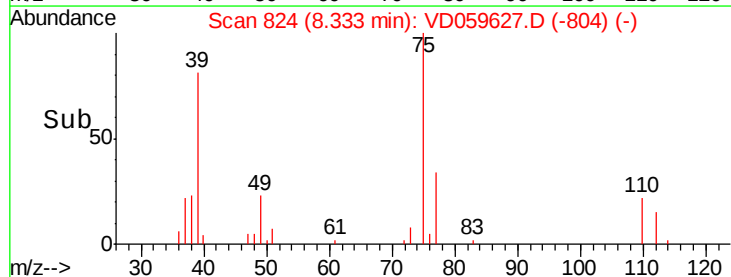
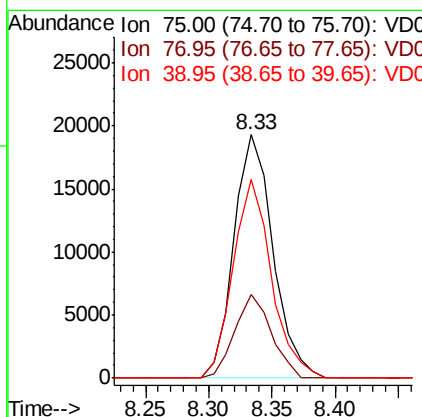
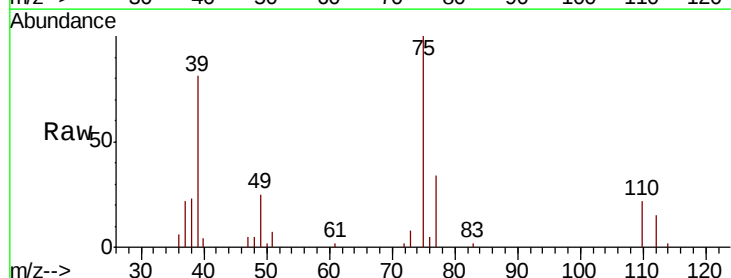
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

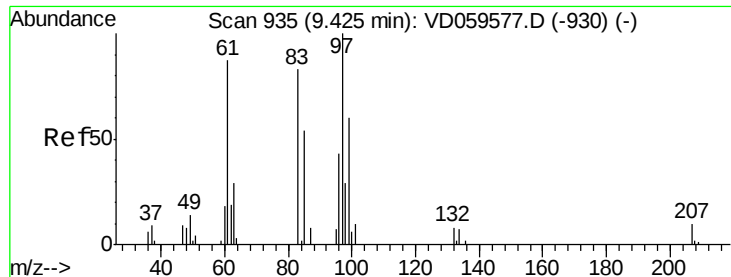
Tot Ion: 75 Resp: 42261
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 23.03 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 75 Resp: 41270
 Ion Ratio Lower Upper
 75 100
 77 34.1 27.7 41.5
 39 81.4 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 22.70 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 97 Resp: 20015

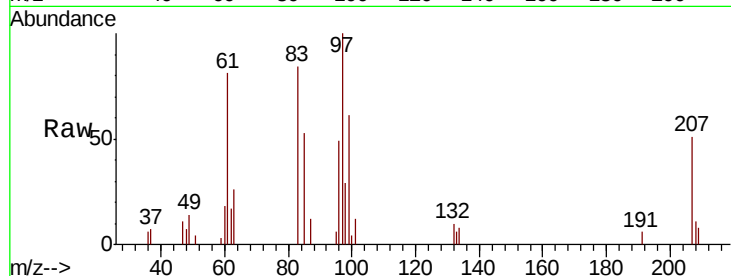
Ion Ratio Lower Upper

97 100

83 84.2 66.3 99.5

85 52.9 43.0 64.6

99 60.9 47.7 71.5

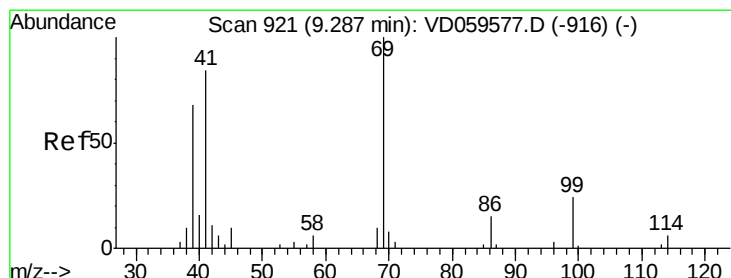
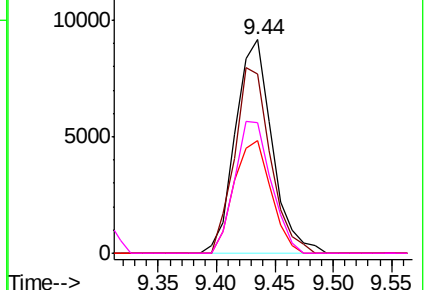
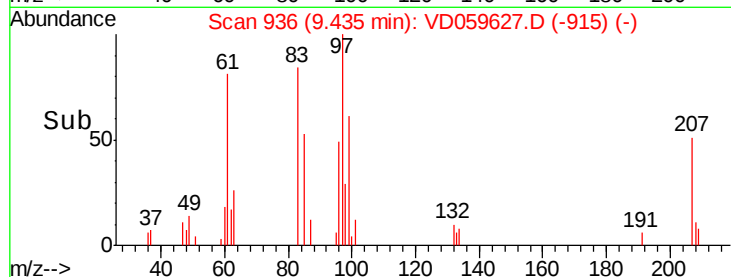


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.94 ug/l

RT: 9.29 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

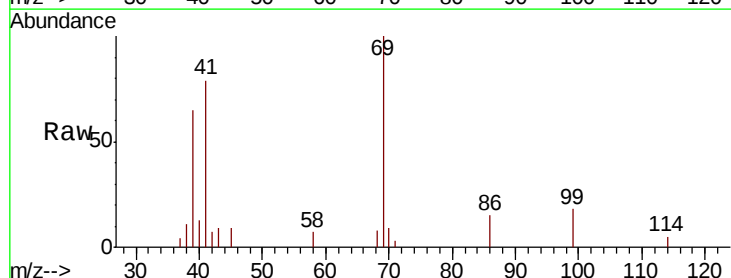
Tgt Ion: 69 Resp: 23941

Ion Ratio Lower Upper

69 100

41 78.7 66.8 100.2

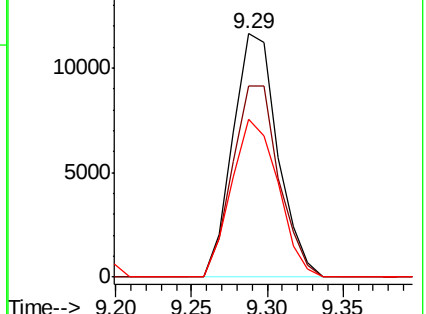
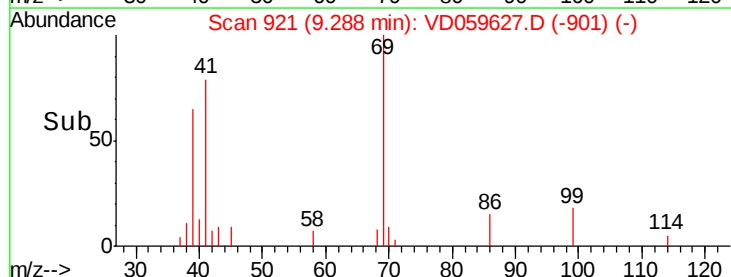
39 64.8 54.7 82.1

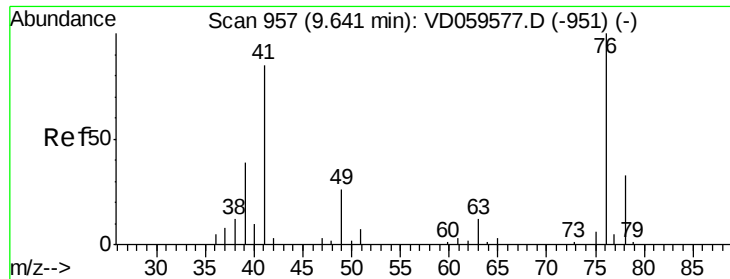


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.42 ug/l

RT: 9.64 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

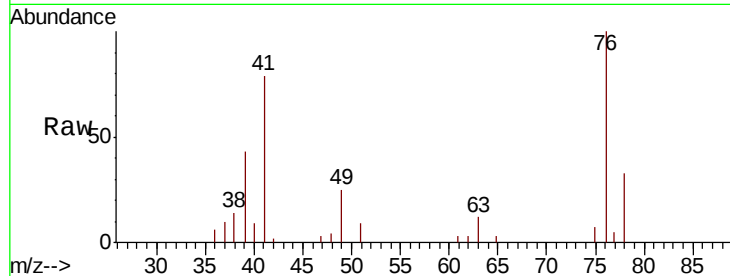
VD0730SBS01

Tot Ion: 76 Resp: 31408

Ion Ratio Lower Upper

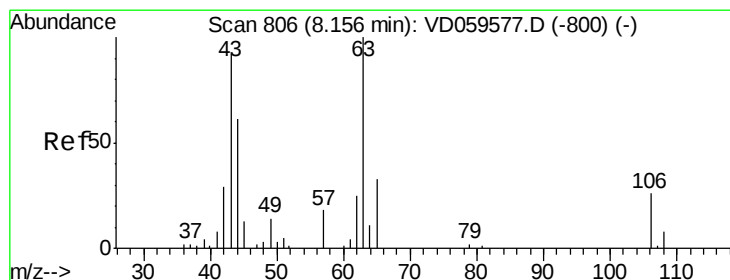
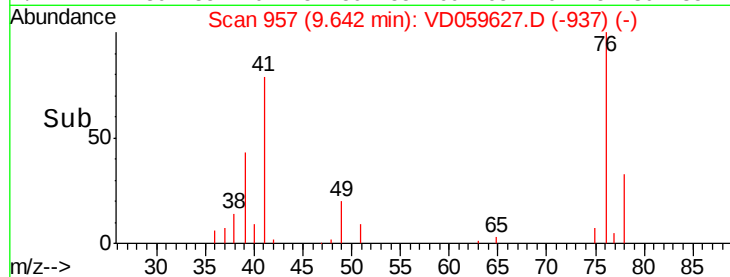
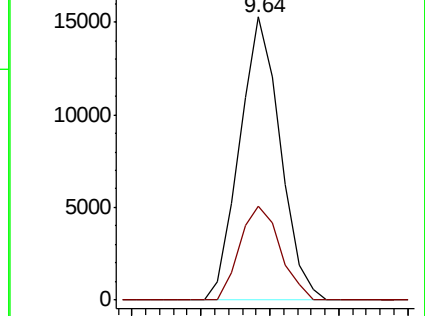
76 100

78 33.4 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: 103.61 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059627.D

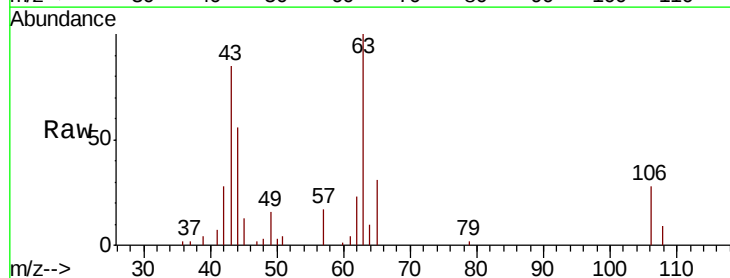
Acq: 30 Jul 2018 19:13

Tgt Ion: 63 Resp: 48692

Ion Ratio Lower Upper

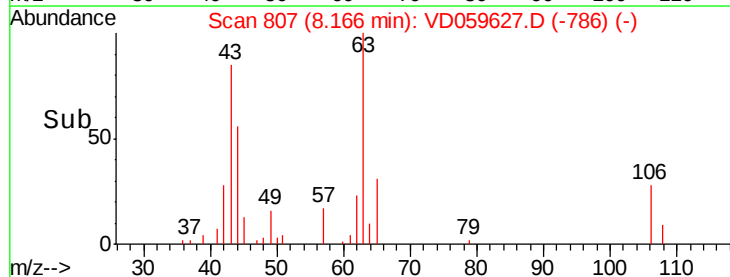
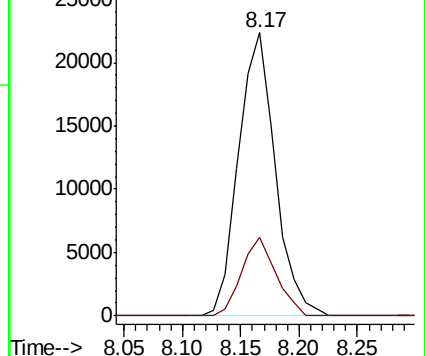
63 100

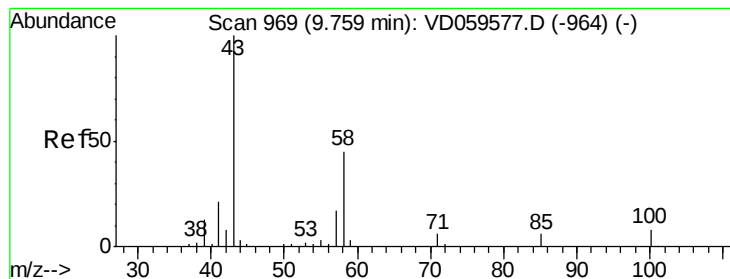
106 27.9 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 114.77 ug/l

RT: 9.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

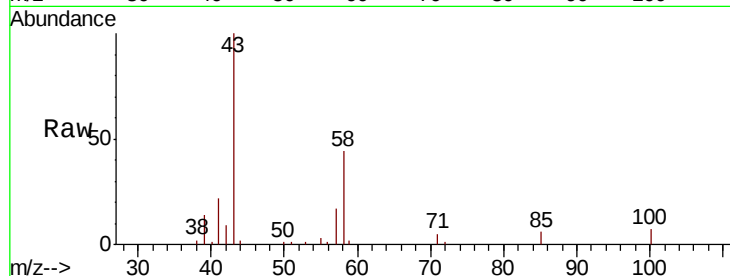
VD0730SBS01

Tot Ion: 43 Resp: 74934

Ion Ratio Lower Upper

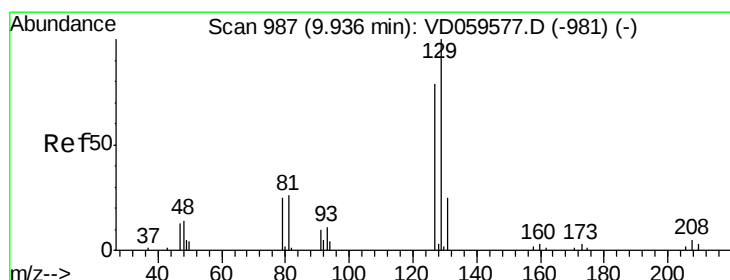
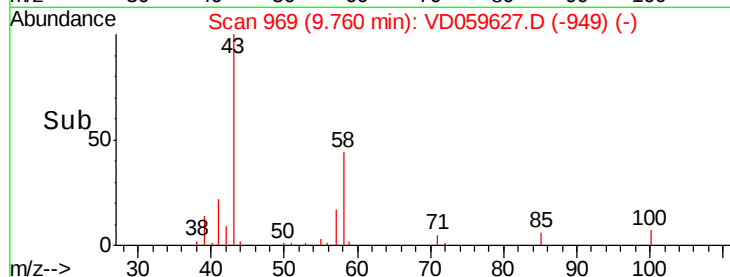
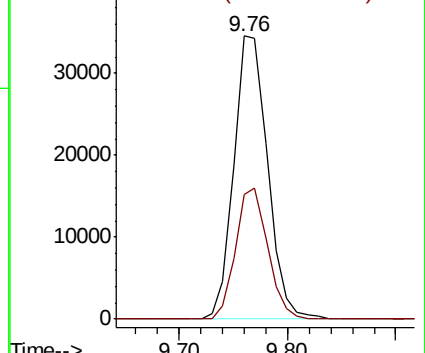
43 100

58 44.0 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: 23.92 ug/l

RT: 9.94 min Scan# 987

Delta R.T. 0.00 min

Lab File: VD059627.D

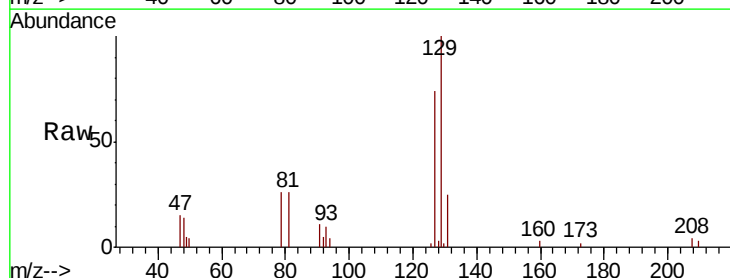
Acq: 30 Jul 2018 19:13

Tgt Ion:129 Resp: 35008

Ion Ratio Lower Upper

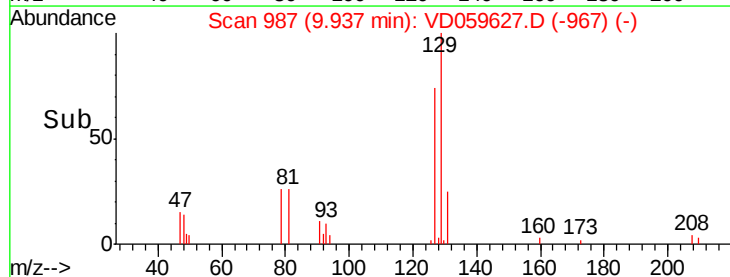
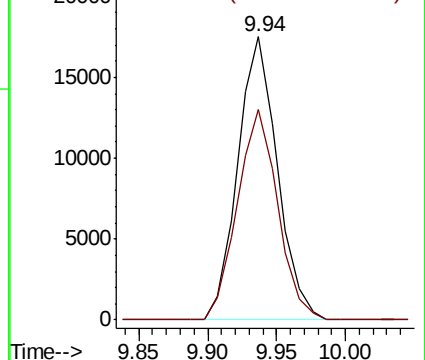
129 100

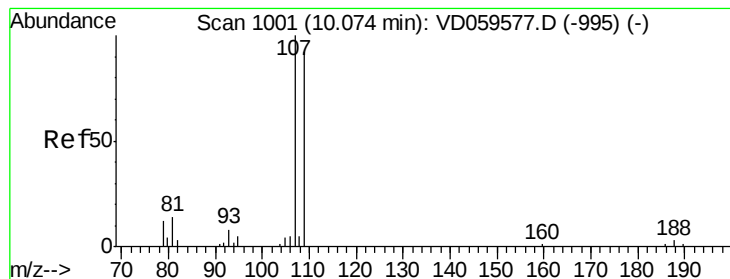
127 74.2 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 24.43 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

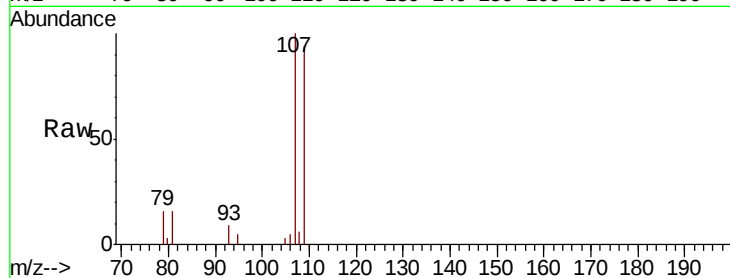
VD0730SBS01

Tot Ion:107 Resp: 25525

Ion Ratio Lower Upper

107 100

109 93.7 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

15000

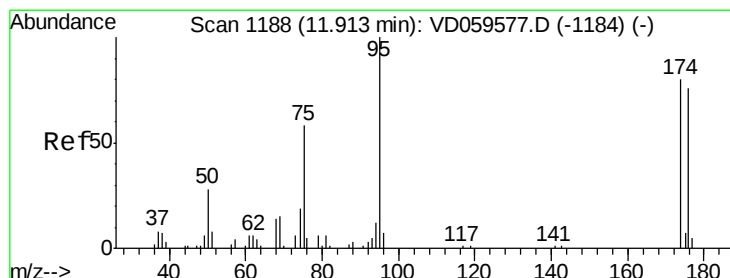
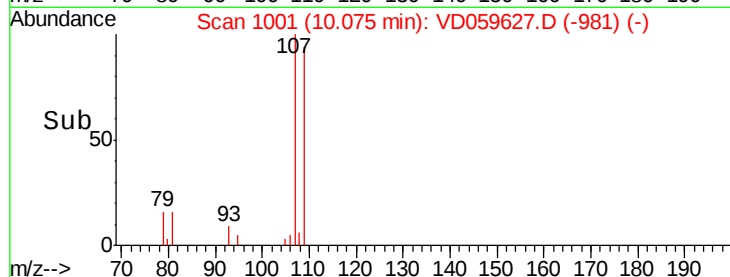
10000

5000

0

Time-->

10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 24.43 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

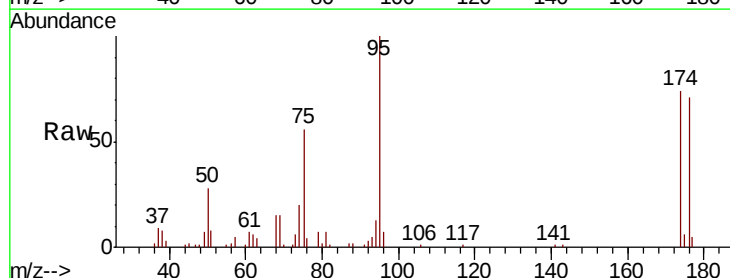
Tgt Ion: 95 Resp: 80243

Ion Ratio Lower Upper

95 100

174 74.1 0.0 160.6

176 71.4 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

11.91

60000

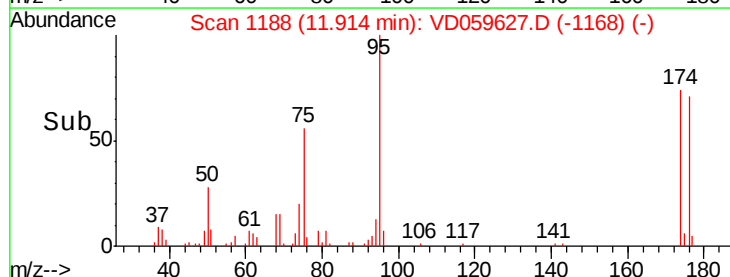
40000

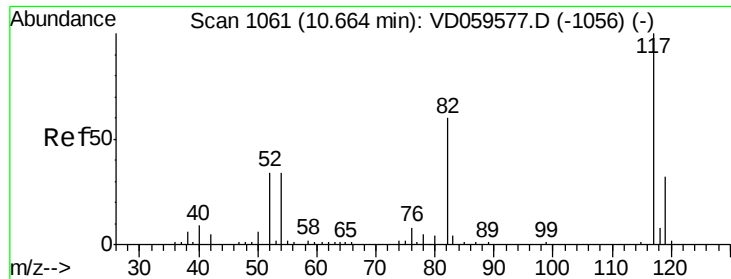
20000

0

Time-->

11.85 11.90 11.95 12.00

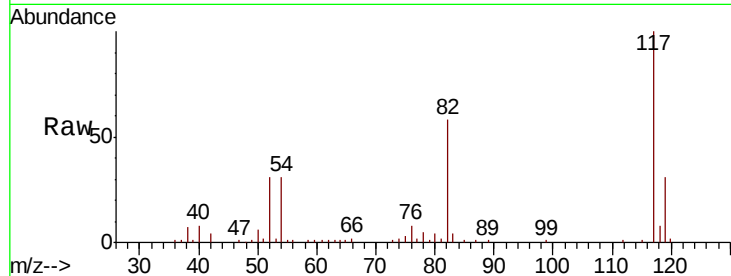




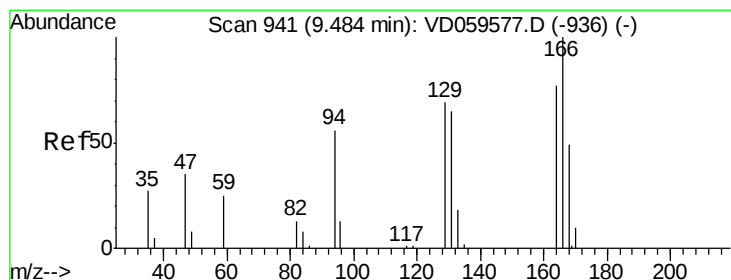
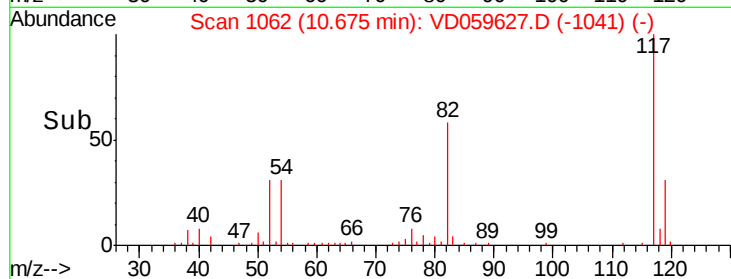
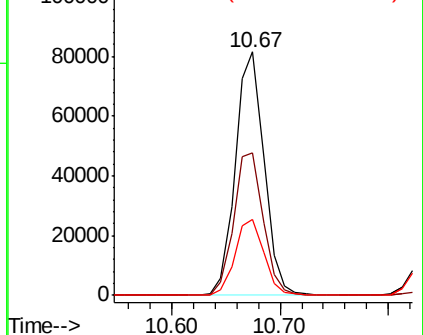
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:117 Resp: 150429
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.2
119 31.2 25.4 38.2

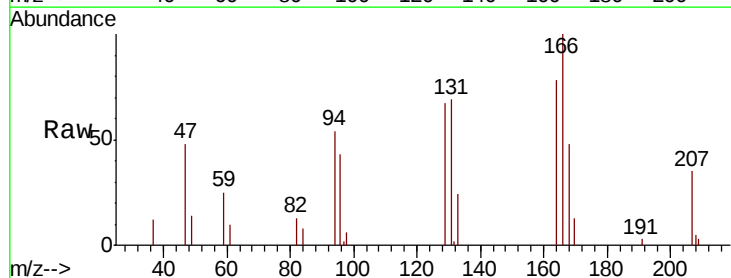


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

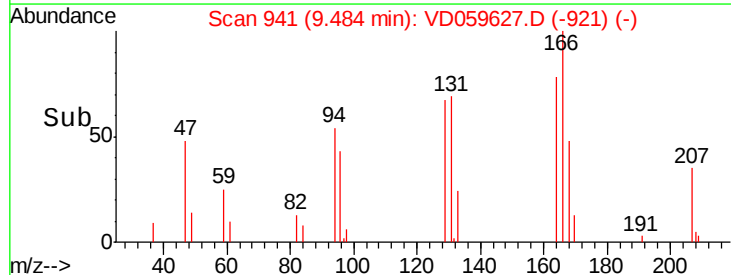
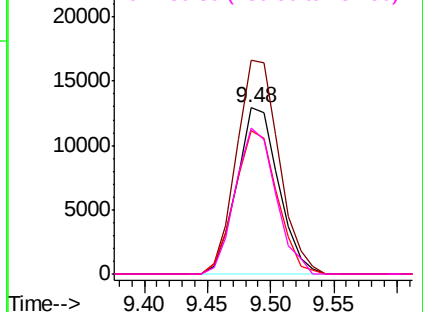


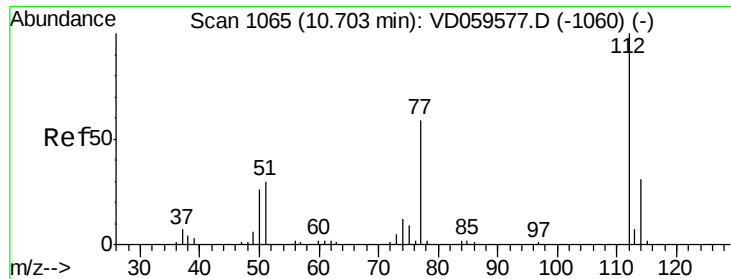
#64
Tetrachloroethene
Concen: 21.70 ug/l
RT: 9.48 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion:164 Resp: 29582
Ion Ratio Lower Upper
164 100
166 128.6 104.0 156.0
129 86.6 72.2 108.4
131 88.2 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

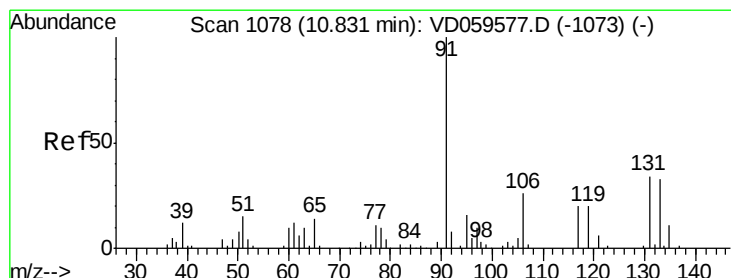
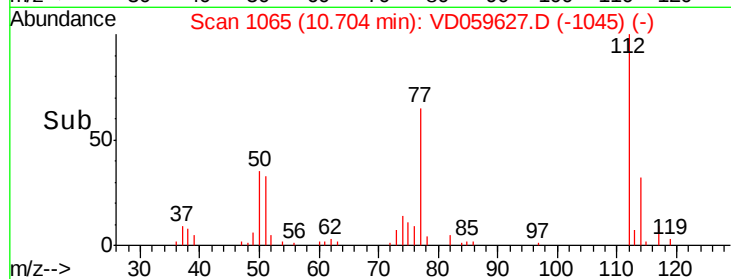
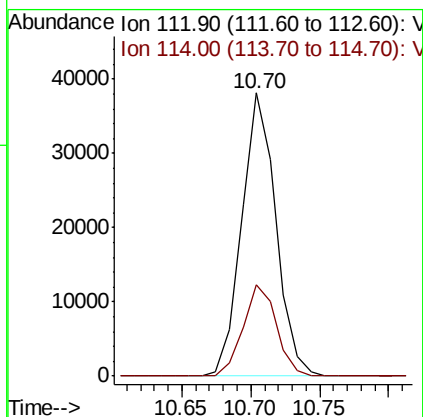
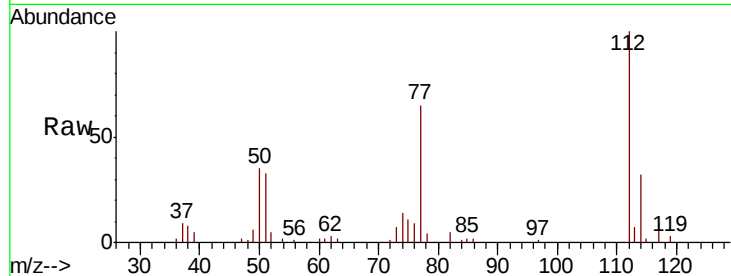




#65
Chlorobenzene
Concen: 21.32 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

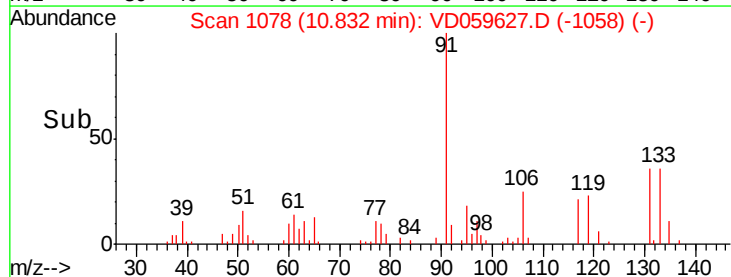
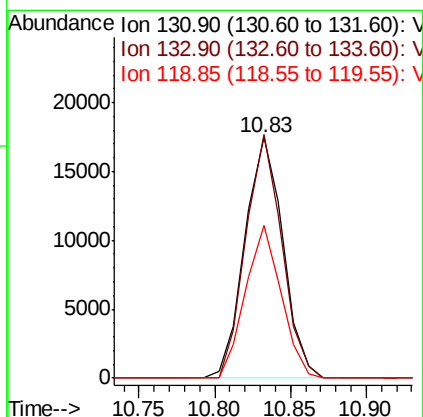
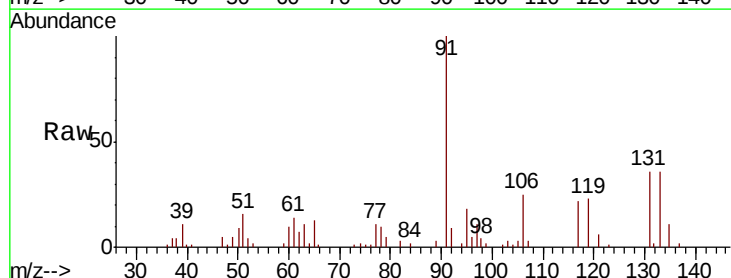
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

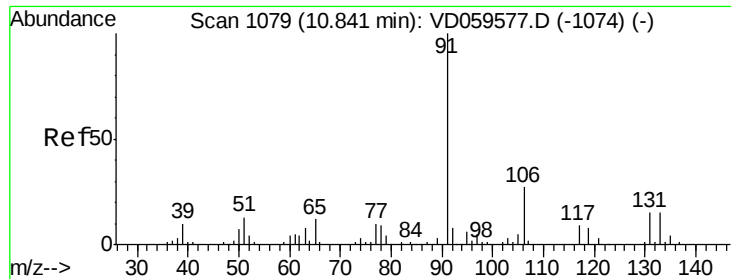
Tot Ion:112 Resp: 65751
Ion Ratio Lower Upper
112 100
114 32.5 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.78 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion:131 Resp: 30555
Ion Ratio Lower Upper
131 100
133 101.2 47.9 143.7
119 63.4 28.7 86.1

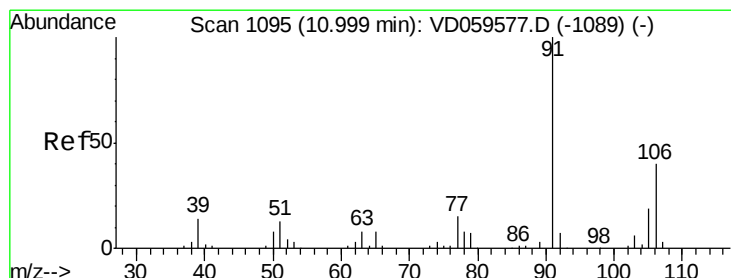
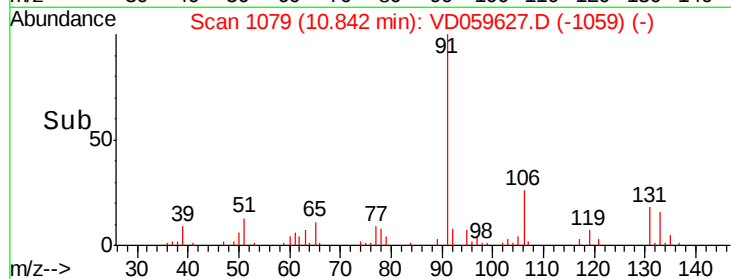
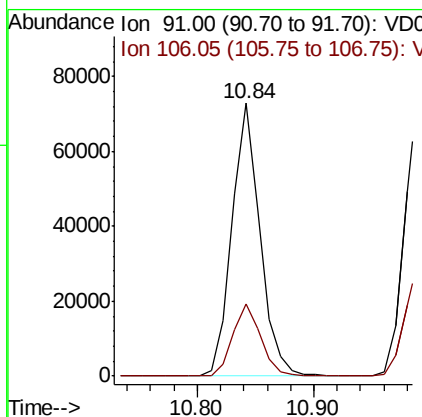
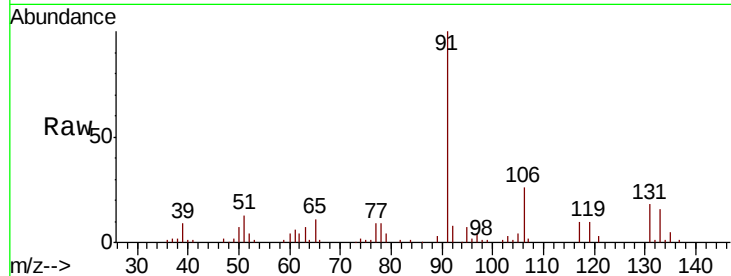




#67
Ethyl Benzene
Concen: 22.93 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

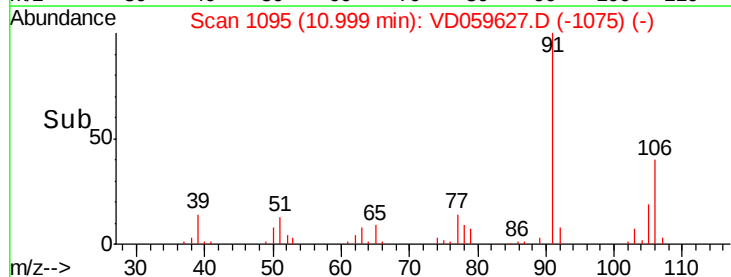
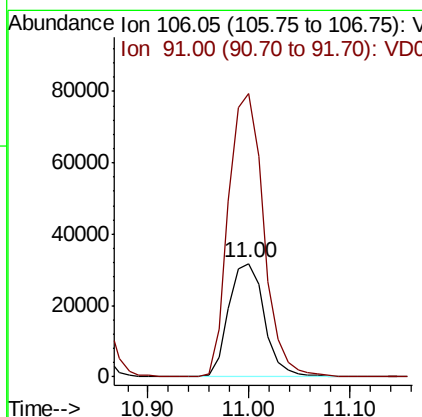
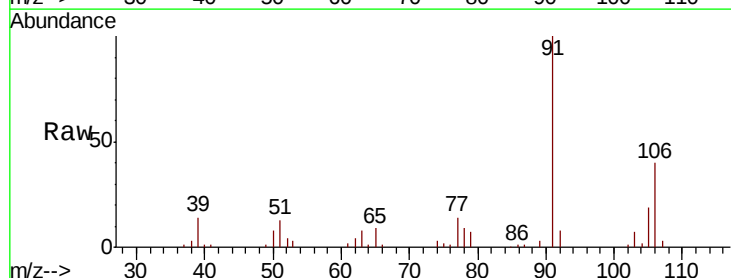
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 91 Resp: 121548
Ion Ratio Lower Upper
91 100
106 26.5 21.6 32.4



#68
m/p-Xylenes
Concen: 44.12 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 106 Resp: 78112
Ion Ratio Lower Upper
106 100
91 249.0 198.2 297.4

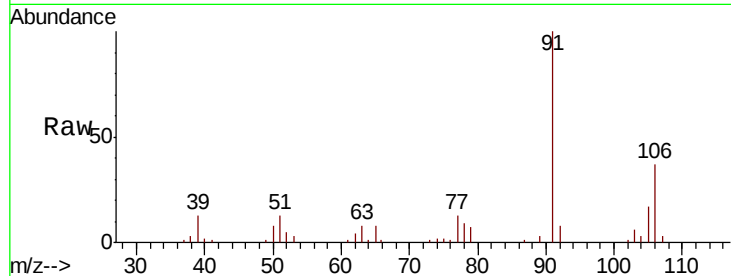




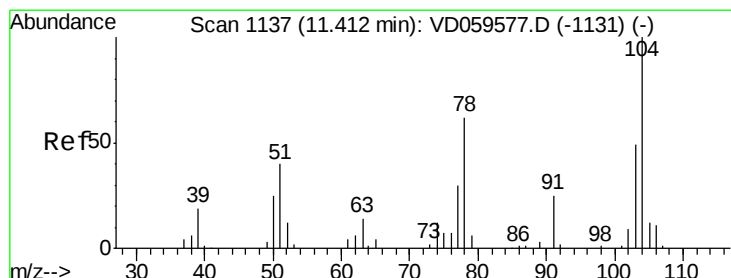
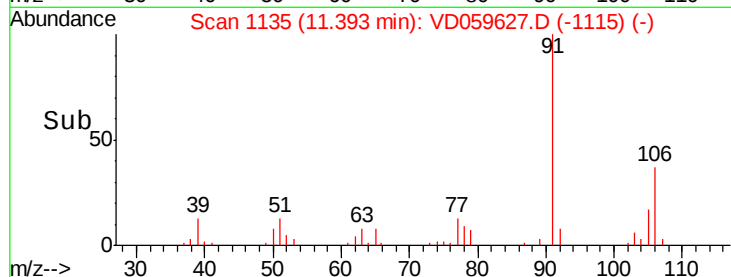
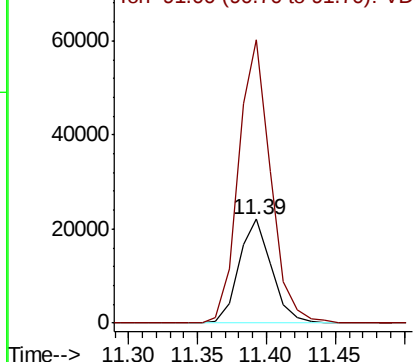
#69
o-Xylene
Concen: 21.02 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:106 Resp: 36118
Ion Ratio Lower Upper
106 100
91 273.2 122.7 368.1

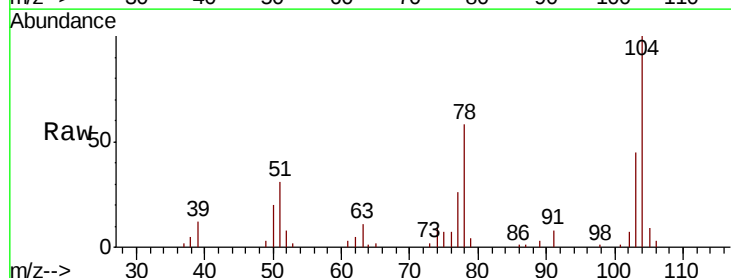


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

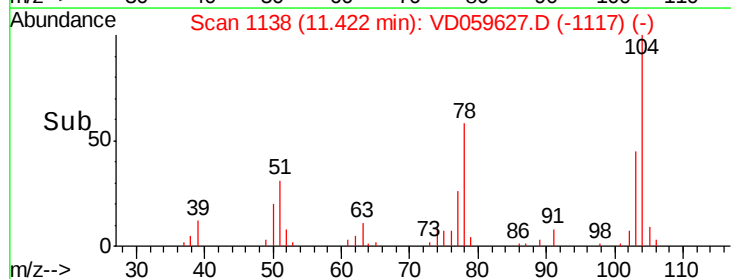
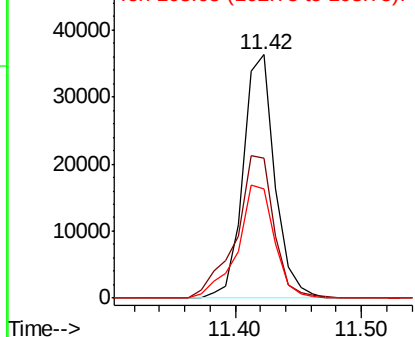


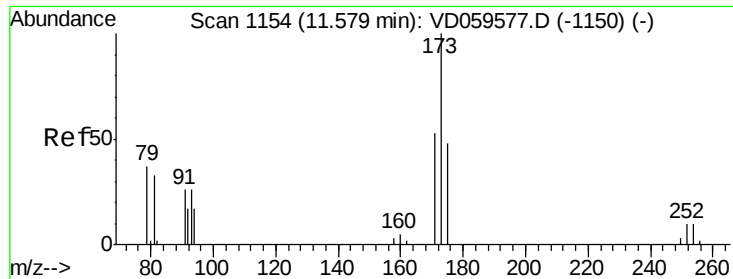
#70
Styrene
Concen: 22.18 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion:104 Resp: 63171
Ion Ratio Lower Upper
104 100
78 57.7 49.4 74.0
103 44.9 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: 21.49 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

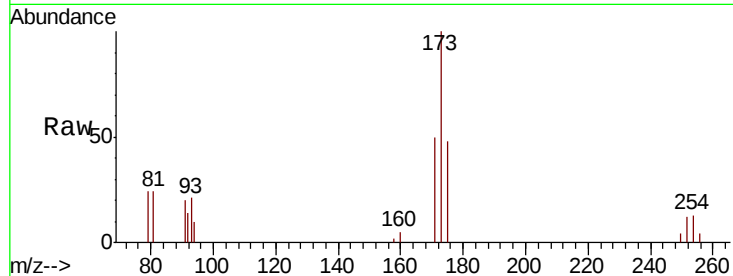
Tot Ion:173 Resp: 23468

Ion Ratio Lower Upper

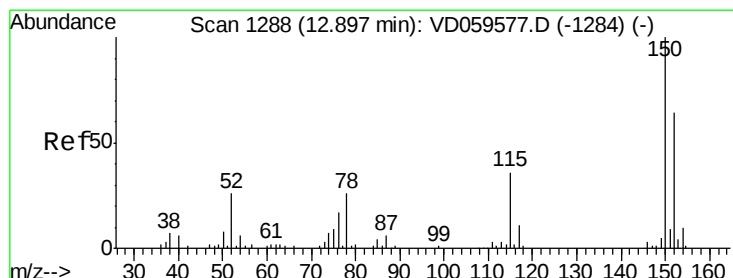
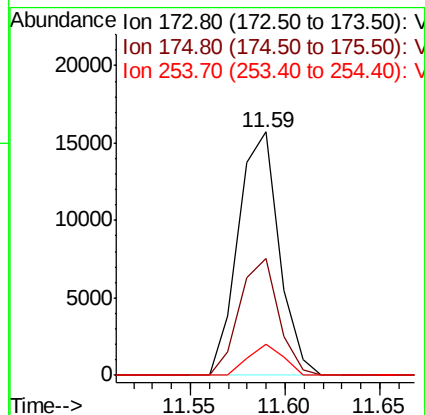
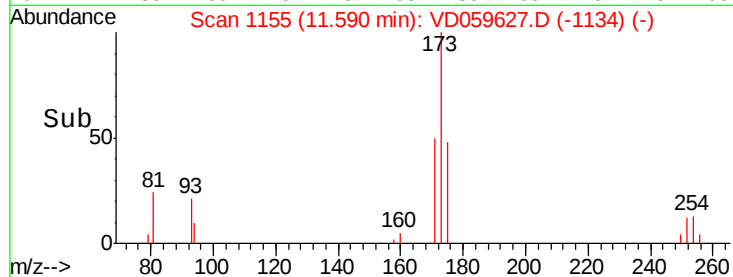
173 100

175 48.0 23.8 71.4

254 12.7 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: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

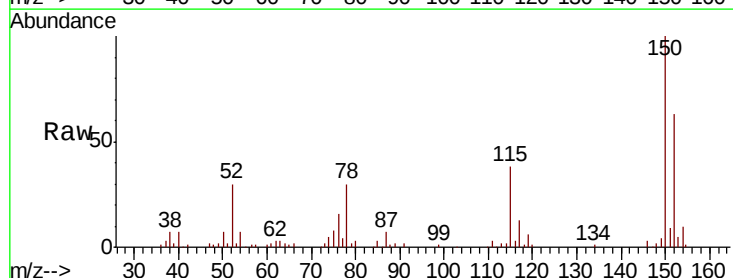
Tgt Ion:152 Resp: 76149

Ion Ratio Lower Upper

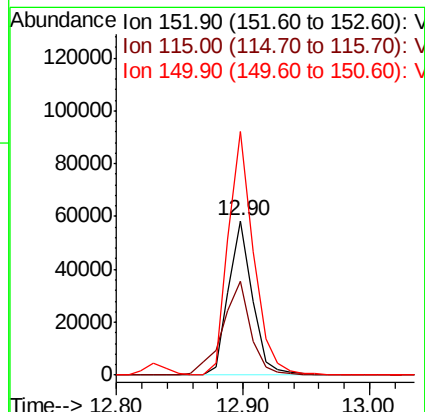
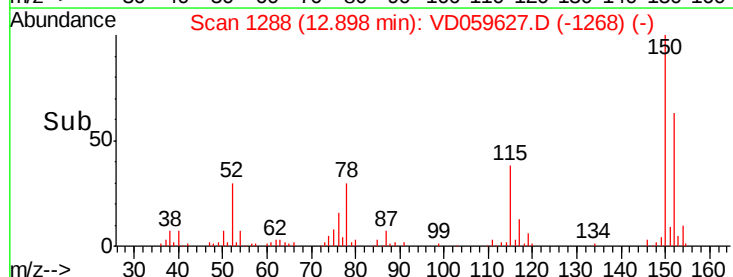
152 100

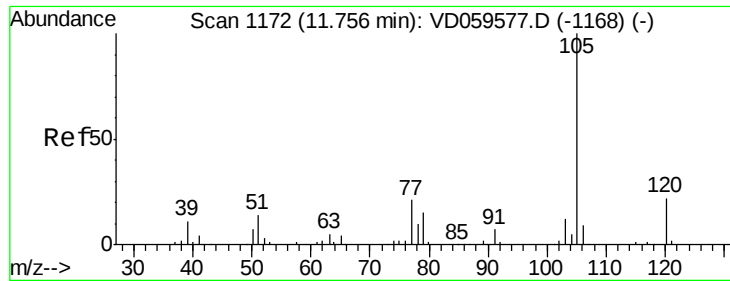
115 60.6 29.5 88.6

150 158.1 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: 21.08 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

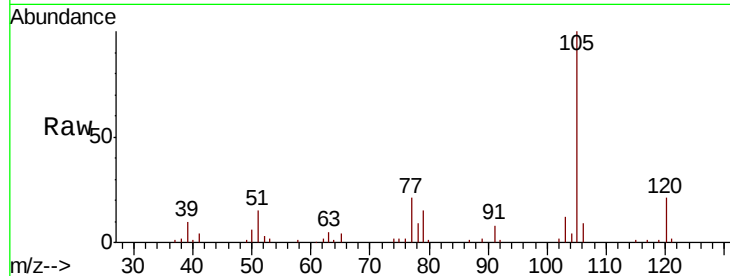
VD0730SBS01

Tot Ion:105 Resp: 113393

Ion Ratio Lower Upper

105 100

120 20.6 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

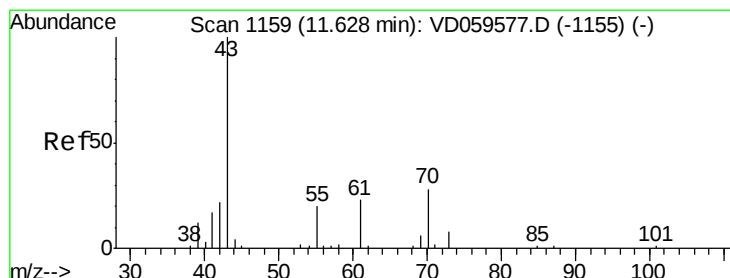
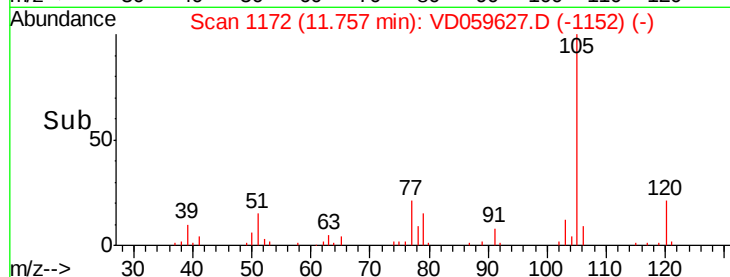
40000

20000

0

11.70 11.75 11.80 11.85

Time-->



#74

N-ethyl acetate

Concen: 20.90 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Tgt Ion: 43 Resp: 38521

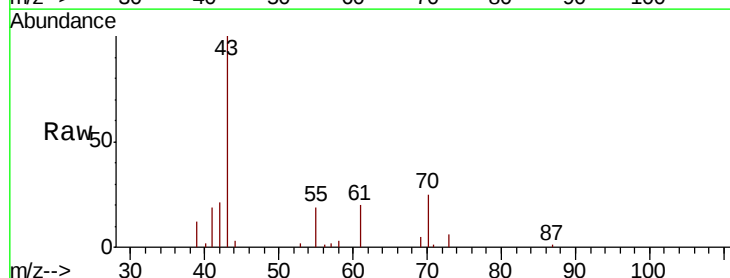
Ion Ratio Lower Upper

43 100

70 25.4 22.0 33.0

55 18.6 16.2 24.2

61 20.5 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

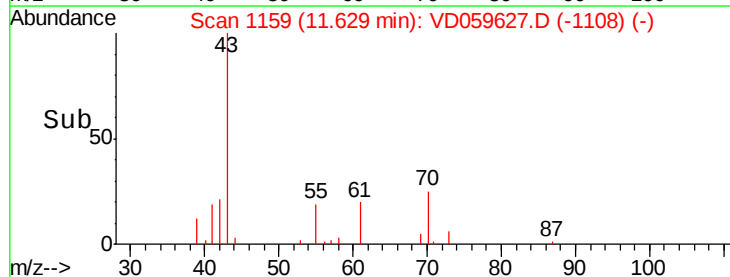
20000

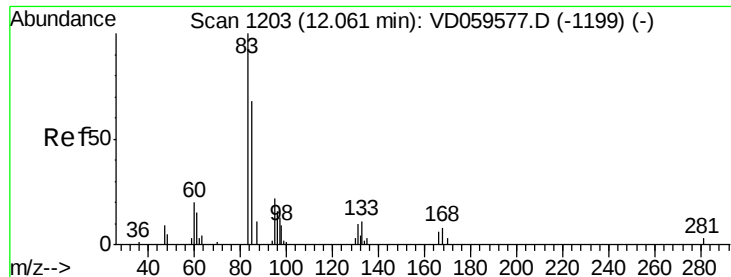
10000

0

11.55 11.60 11.65 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.37 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

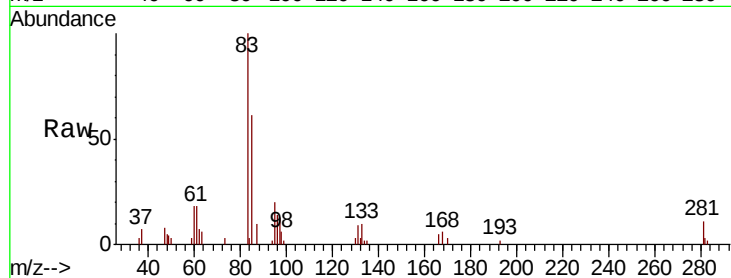
Tot Ion: 83 Resp: 24567

Ion Ratio Lower Upper

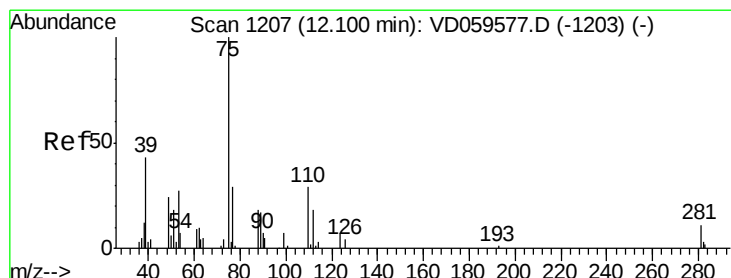
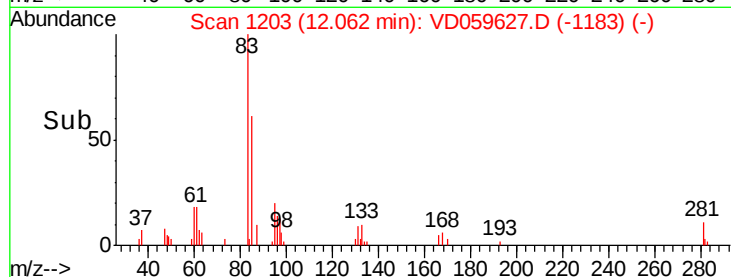
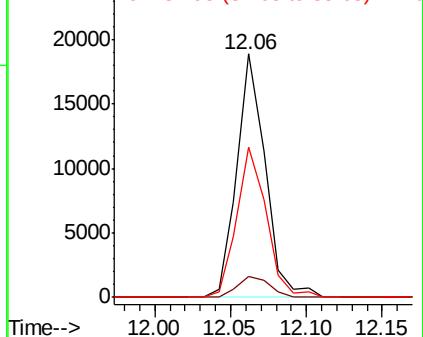
83 100

131 8.8 5.1 15.2

85 61.4 34.1 102.3



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



#76

1,2,3-Trichloropropane

Concen: 22.11 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059627.D

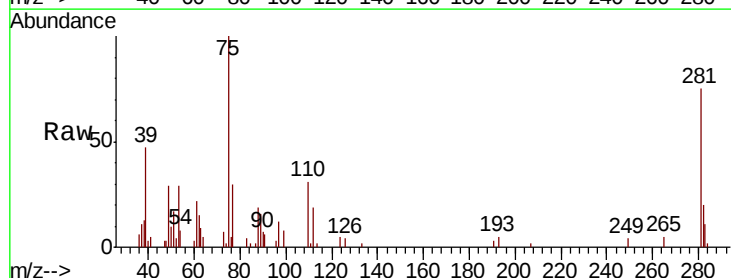
Acq: 30 Jul 2018 19:13

Tgt Ion: 75 Resp: 27844

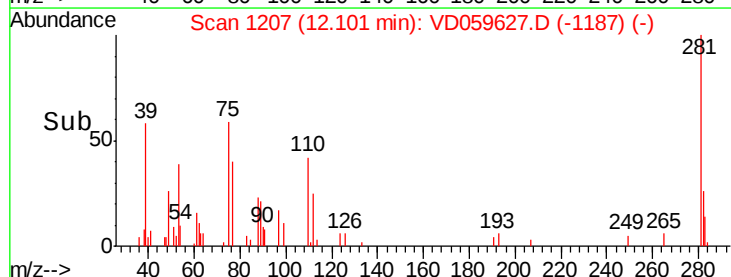
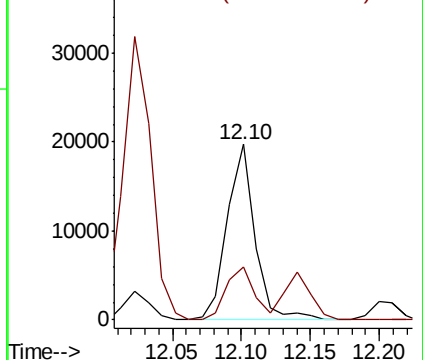
Ion Ratio Lower Upper

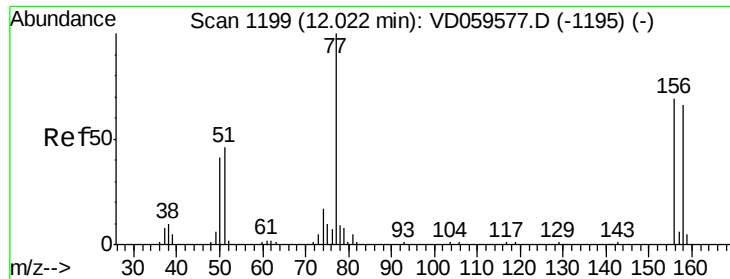
75 100

77 30.1 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: 21.50 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

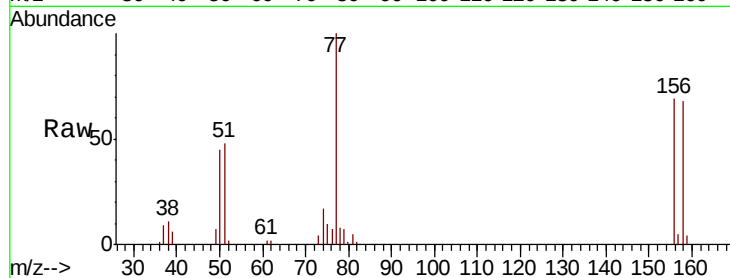
Tot Ion:156 Resp: 33852

Ion Ratio Lower Upper

156 100

77 145.5 72.4 217.2

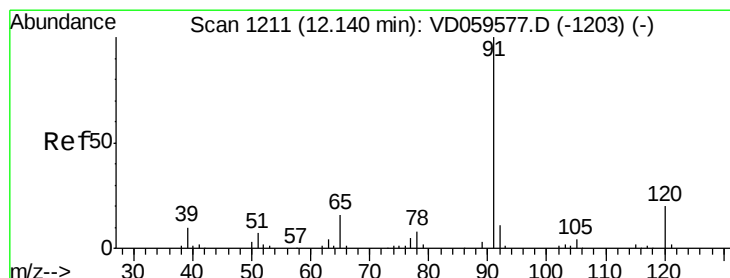
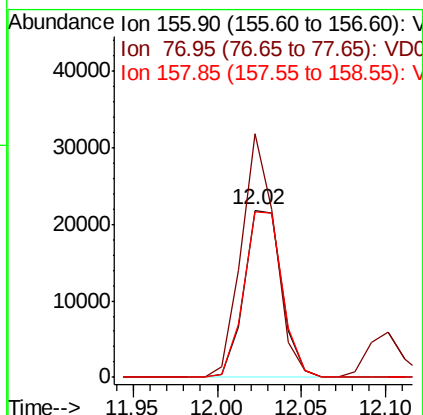
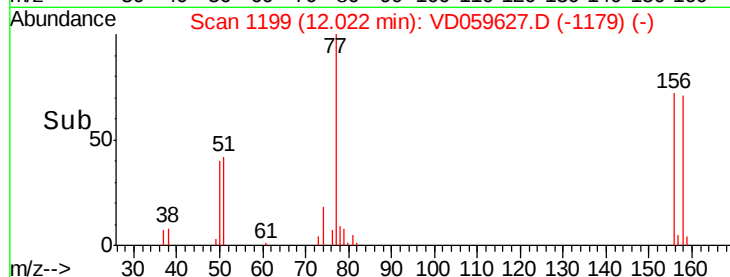
158 98.8 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.70 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059627.D

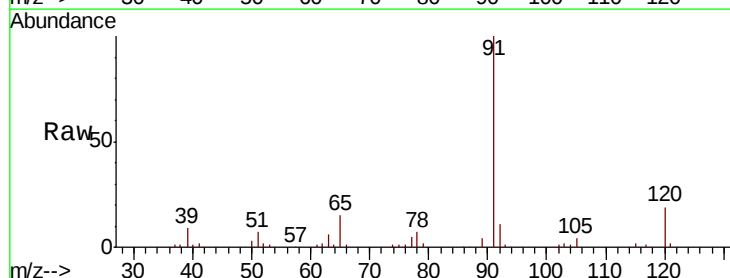
Acq: 30 Jul 2018 19:13

Tgt Ion: 91 Resp: 148397

Ion Ratio Lower Upper

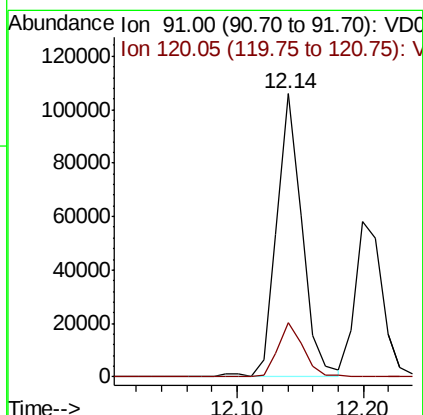
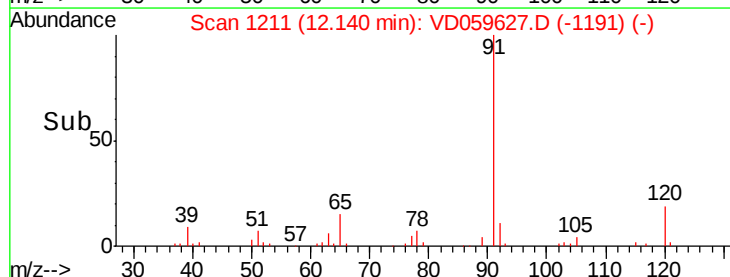
91 100

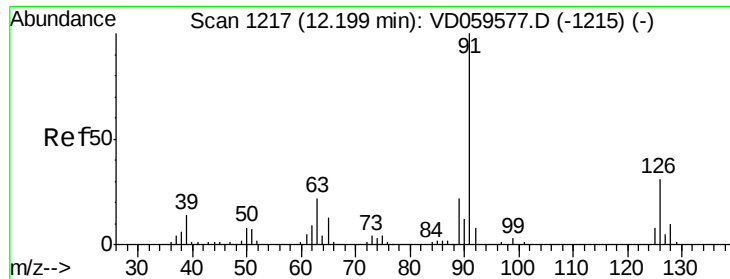
120 19.0 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

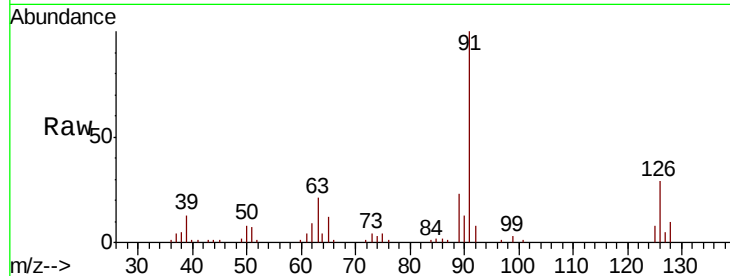




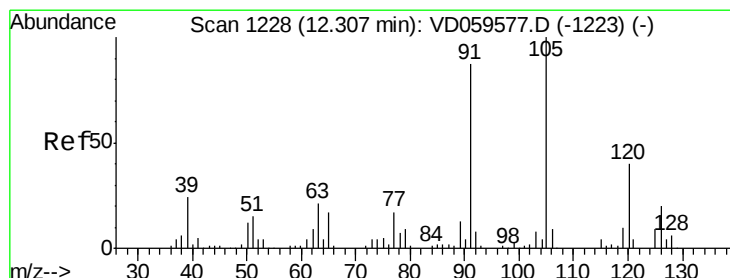
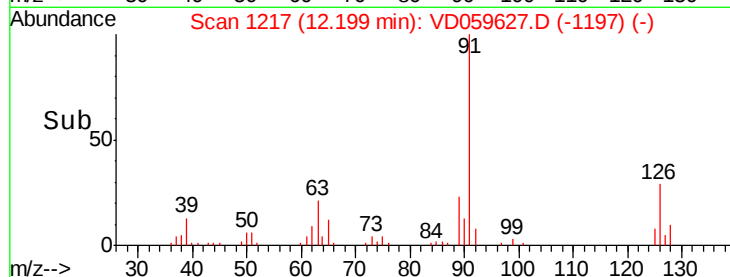
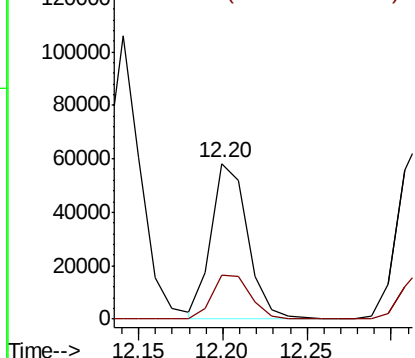
#79
 2-Chlorotoluene
 Concen: 22.71 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 91 Resp: 88482
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.5 43.6

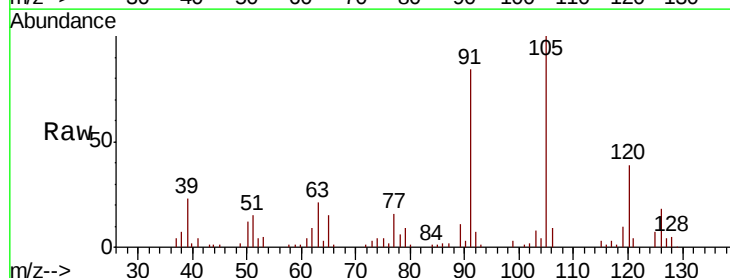


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

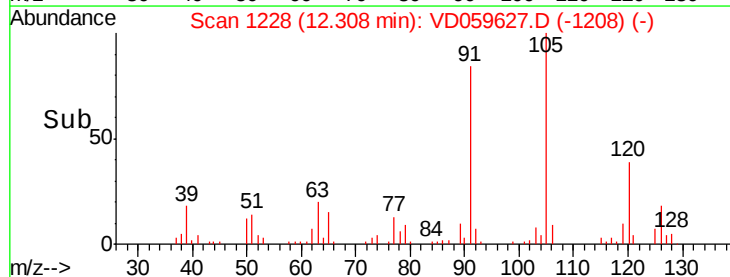
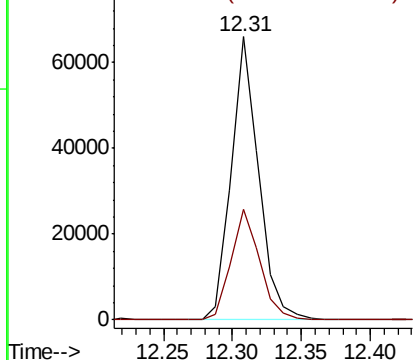


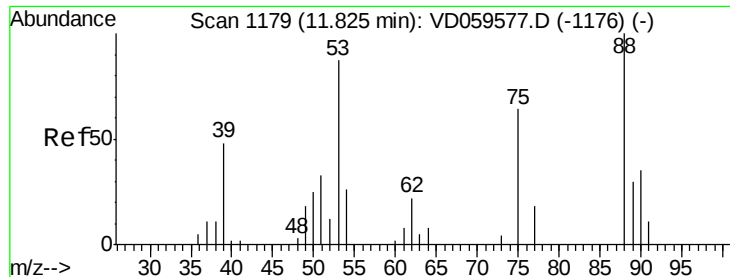
#80
 1,3,5-Trimethylbenzene
 Concen: 21.40 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 105 Resp: 90893
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.9 59.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.24 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059627.D

Acq: 30 Jul 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

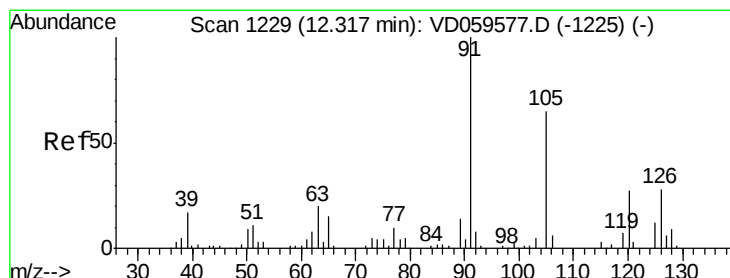
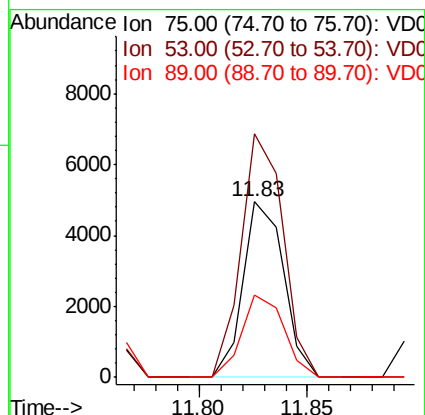
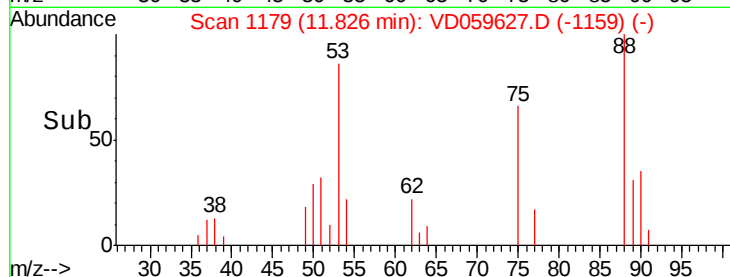
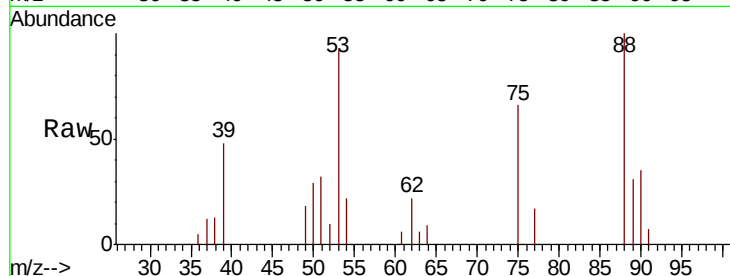
Tot Ion: 75 Resp: 6516

Ion Ratio Lower Upper

75 100

53 138.6 107.7 161.5

89 46.6 37.3 55.9



#82

4-Chlorotoluene

Concen: 22.39 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059627.D

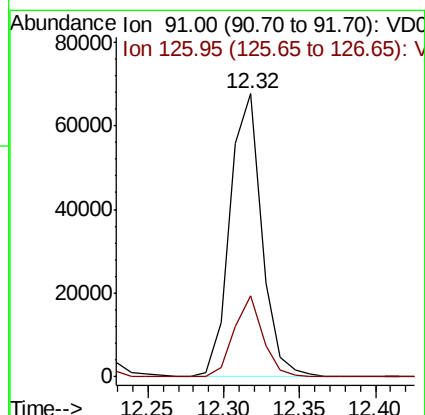
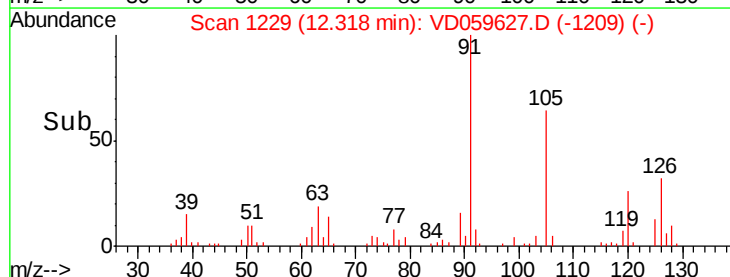
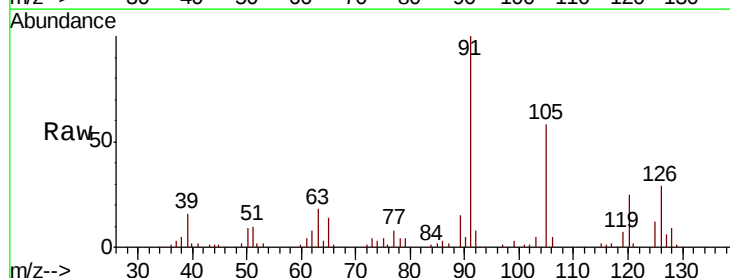
Acq: 30 Jul 2018 19:13

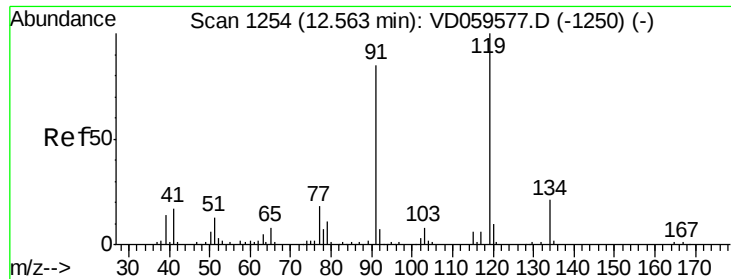
Tgt Ion: 91 Resp: 98654

Ion Ratio Lower Upper

91 100

126 28.6 14.1 42.4

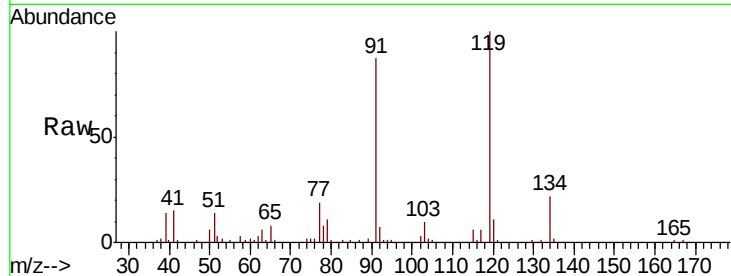




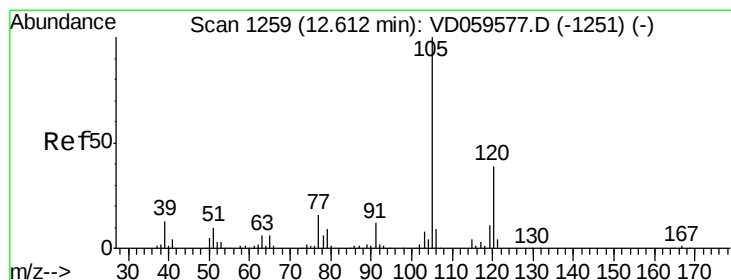
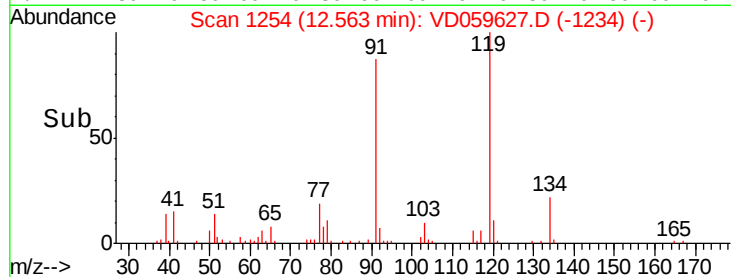
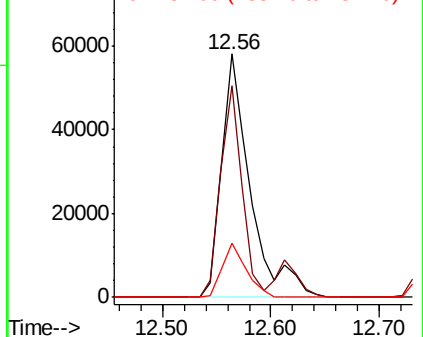
#83
tert-Butylbenzene
Concen: 22.33 ug/l
RT: 12.56 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:119 Resp: 106753
Ion Ratio Lower Upper
119 100
91 87.0 42.5 127.5
134 22.1 10.5 31.6

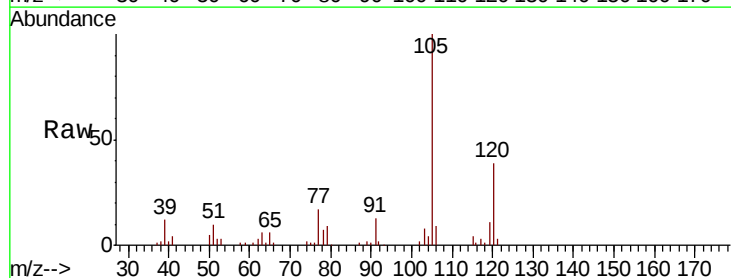


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

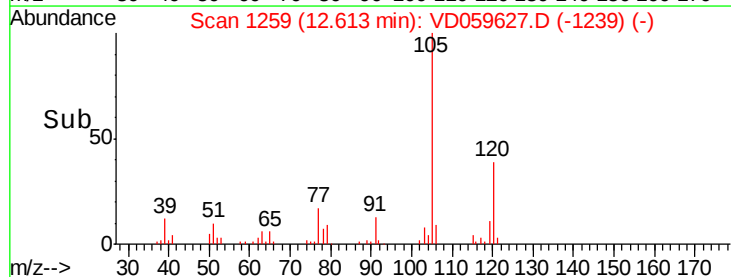
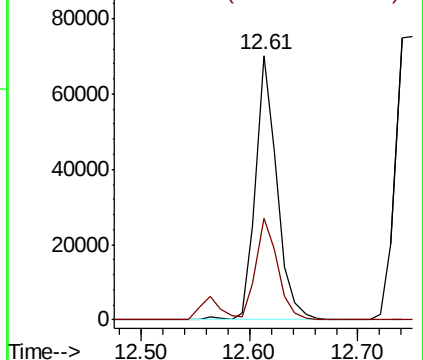


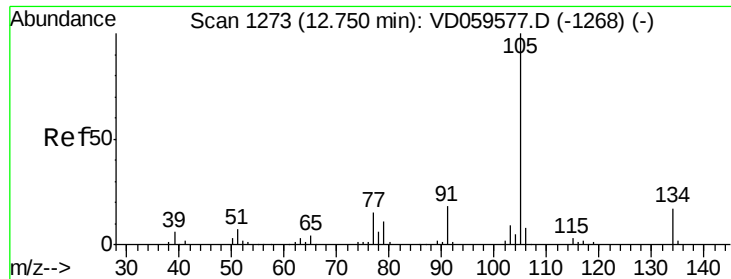
#84
1,2,4-Trimethylbenzene
Concen: 21.39 ug/l
RT: 12.61 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion:105 Resp: 96571
Ion Ratio Lower Upper
105 100
120 38.6 19.3 57.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

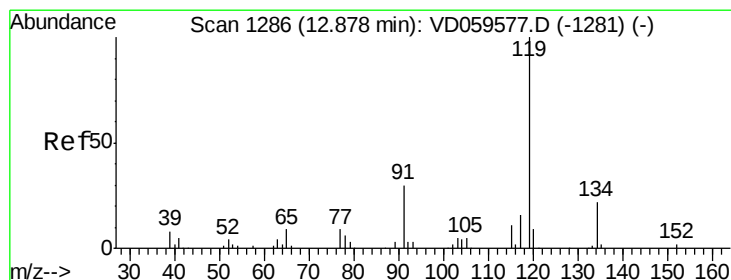
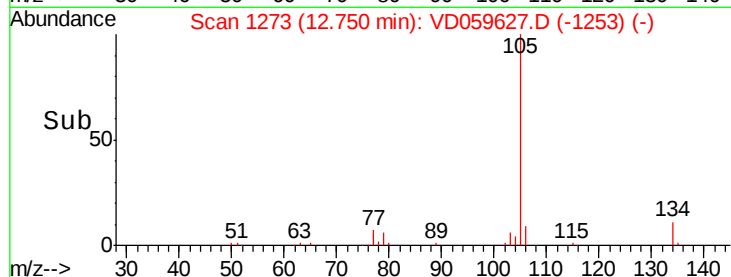
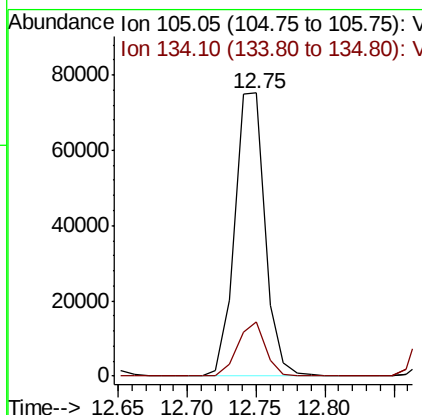
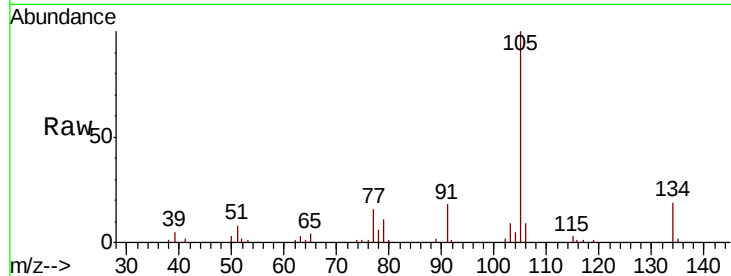




#85
 sec-Butylbenzene
 Concen: 21.14 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

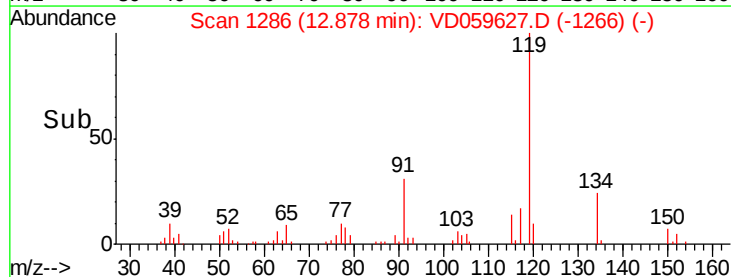
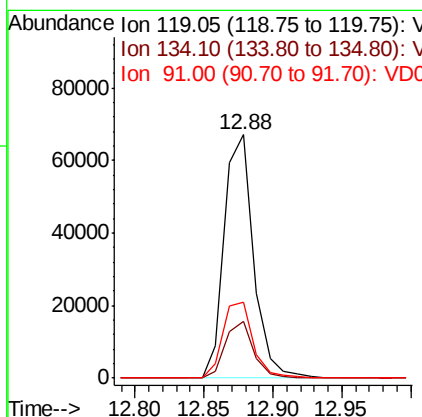
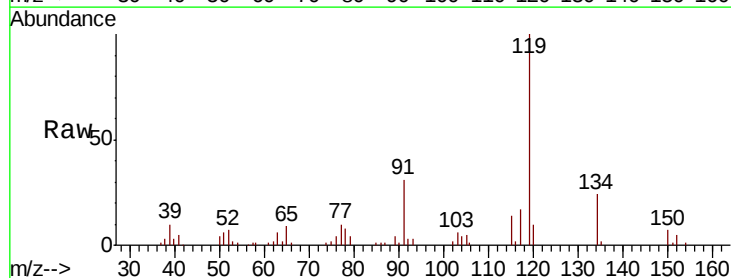
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

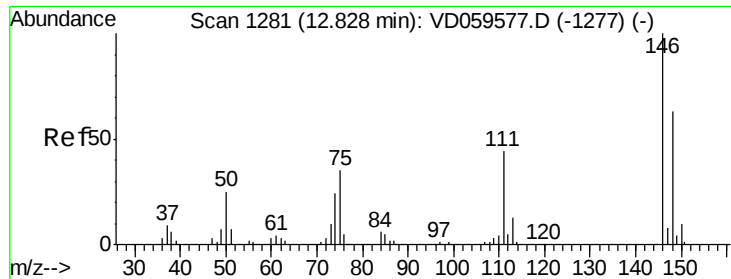
Tot Ion:105 Resp: 115518
 Ion Ratio Lower Upper
 105 100
 134 19.0 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 21.49 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion:119 Resp: 98952
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.2 33.6
 91 31.4 15.0 45.1

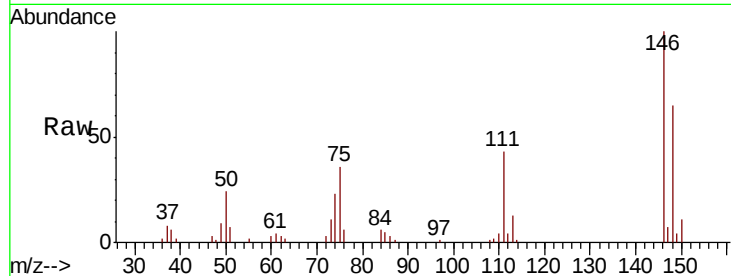




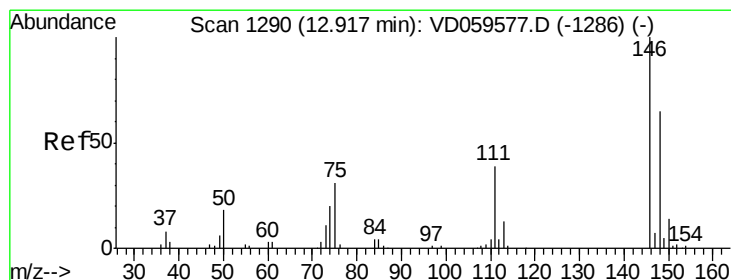
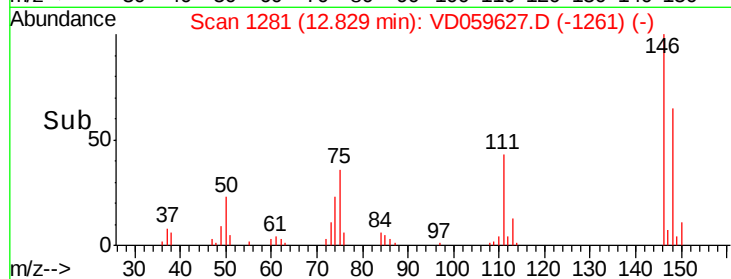
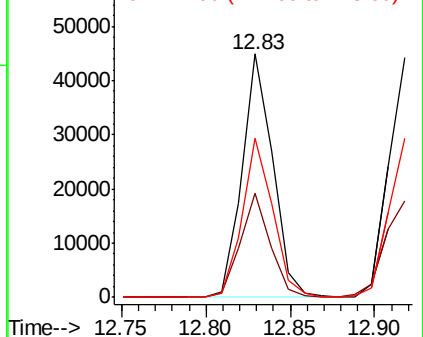
#87
 1,3-Dichlorobenzene
 Concen: 21.32 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:146 Resp: 56775
 Ion Ratio Lower Upper
 146 100
 111 42.6 22.2 66.6
 148 65.2 31.8 95.3

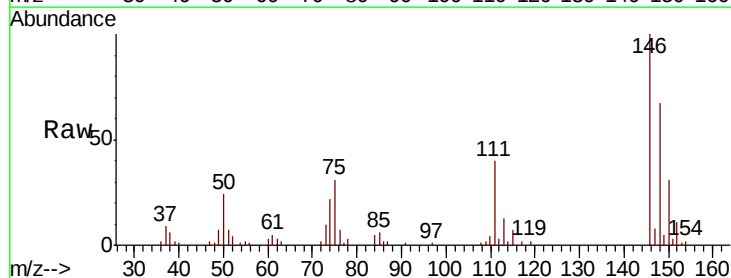


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

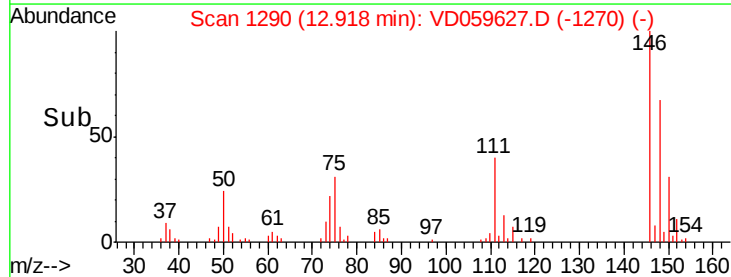
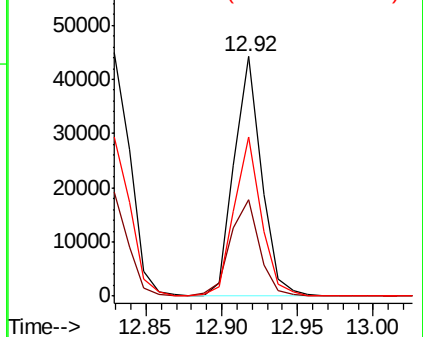


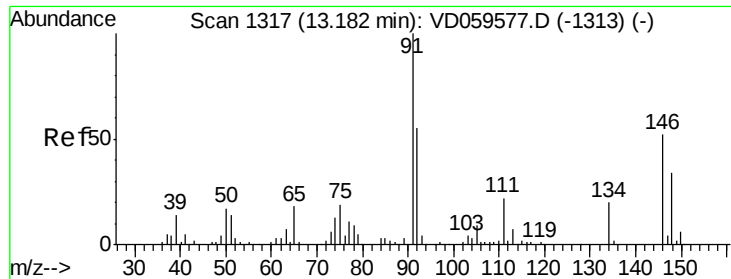
#88
 1,4-Dichlorobenzene
 Concen: 21.63 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion:146 Resp: 55514
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.3 57.9
 148 66.6 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

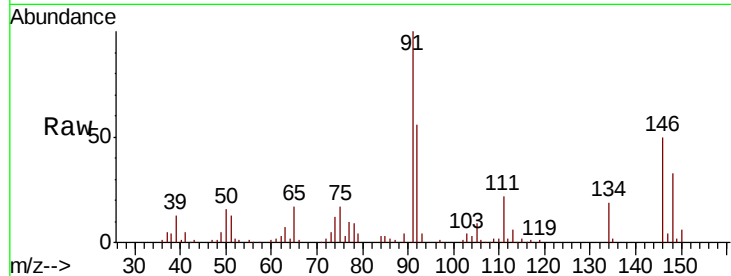




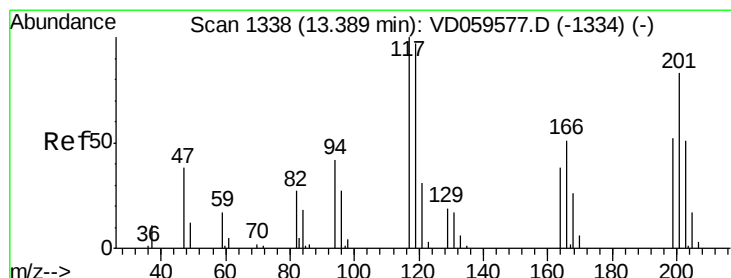
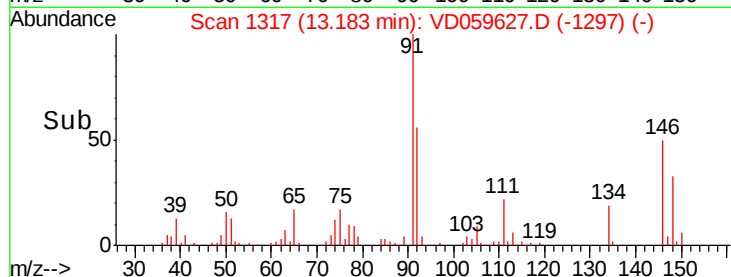
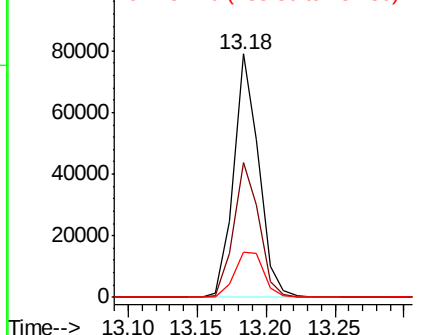
#89
n-Butylbenzene
Concen: 22.55 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 91 Resp: 100276
Ion Ratio Lower Upper
91 100
92 55.6 27.6 82.7
134 18.7 10.1 30.3

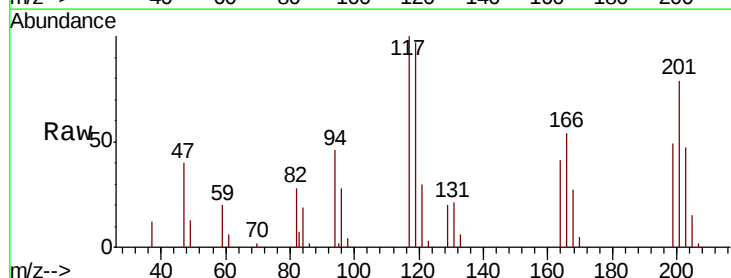


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

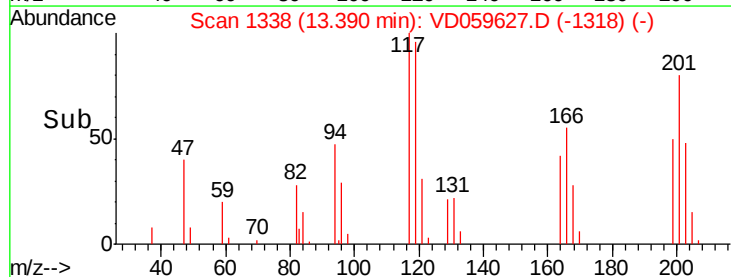
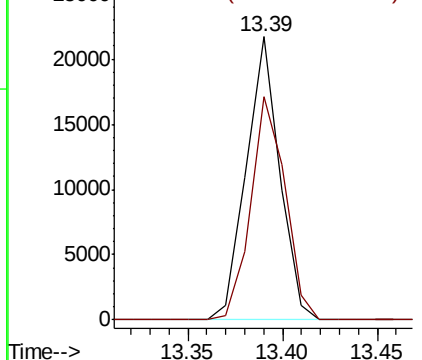


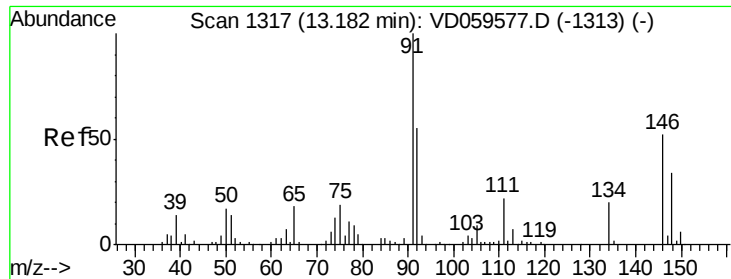
#90
Hexachloroethane
Concen: 21.48 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion: 117 Resp: 26433
Ion Ratio Lower Upper
117 100
201 78.7 41.5 124.5



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

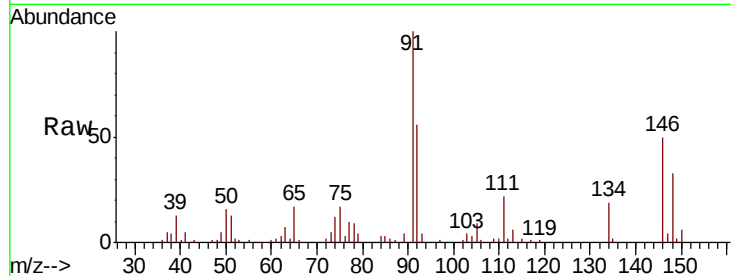




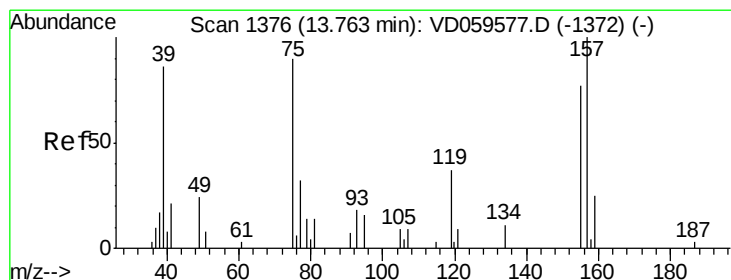
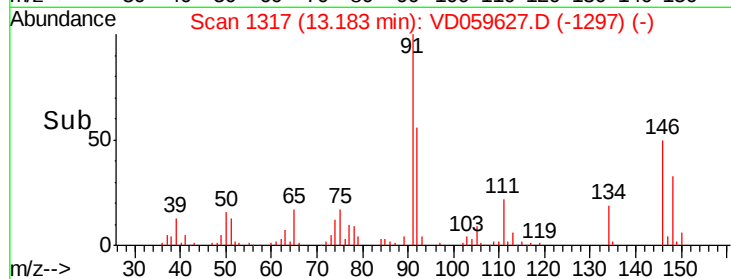
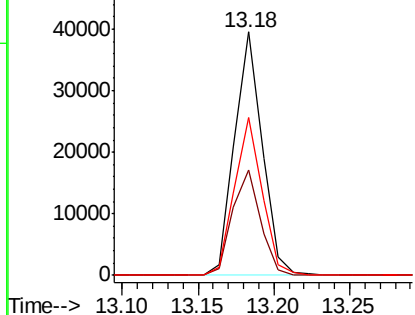
#91
 1,2-Dichlorobenzene
 Concen: 22.47 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:146 Resp: 50211
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.4 64.3
 148 65.1 32.6 98.0

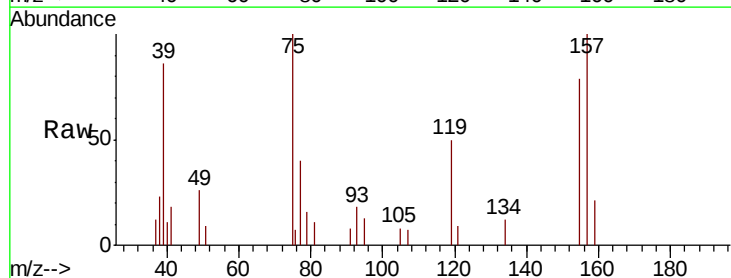


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

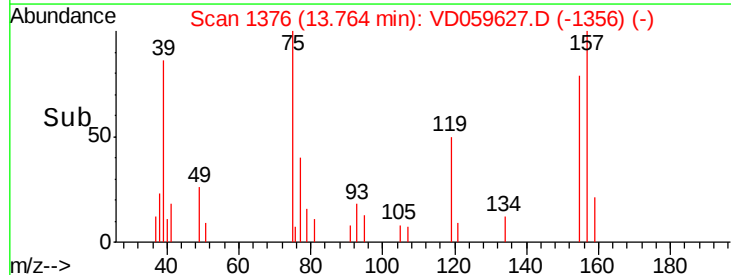
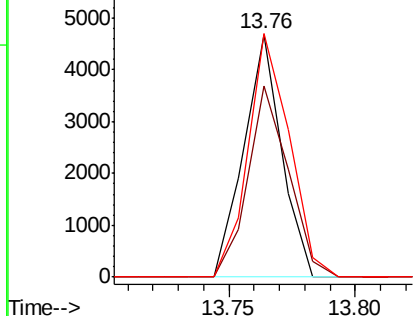


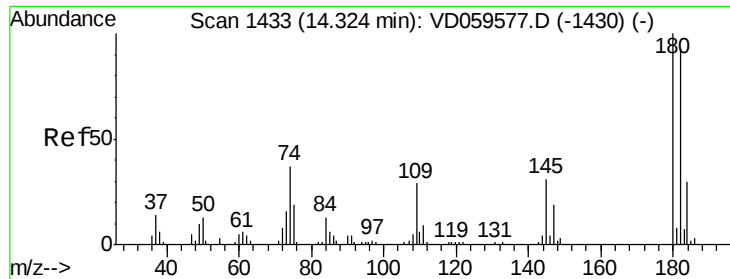
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.87 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion: 75 Resp: 4842
 Ion Ratio Lower Upper
 75 100
 155 78.8 42.5 127.5
 157 100.3 55.5 166.3



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

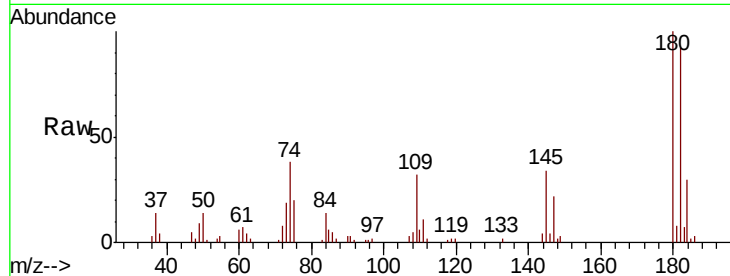




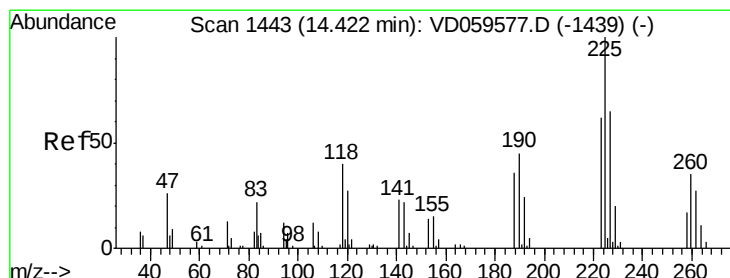
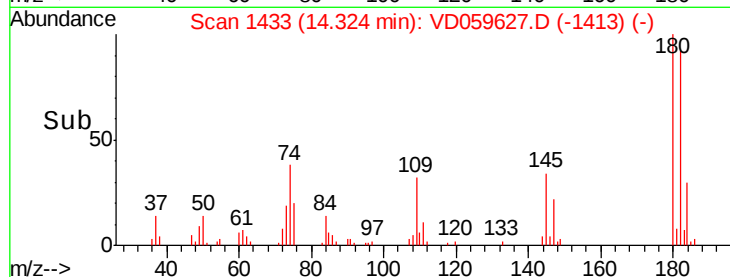
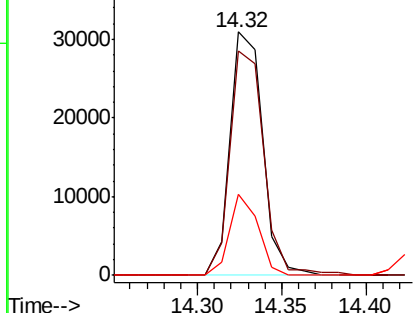
#93
 1,2,4-Trichlorobenzene
 Concen: 22.47 ug/l
 RT: 14.32 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:180 Resp: 41591
 Ion Ratio Lower Upper
 180 100
 182 92.2 46.4 139.2
 145 33.5 15.7 47.0

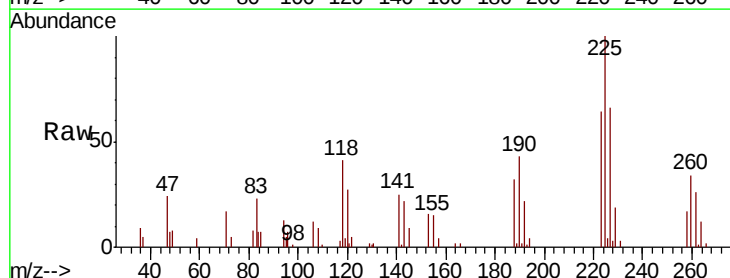


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

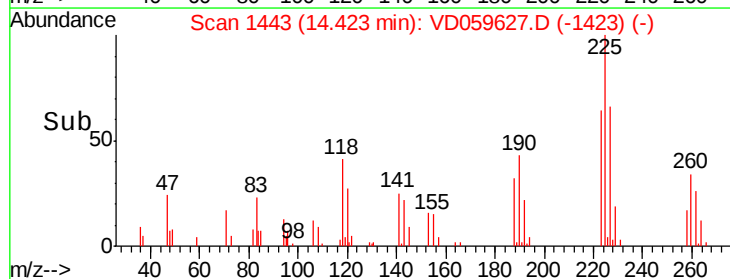
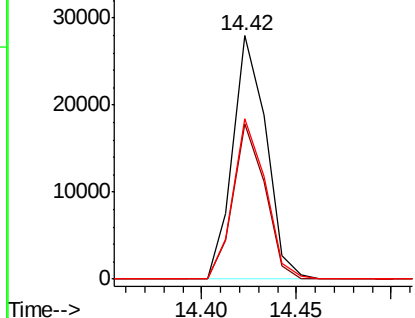


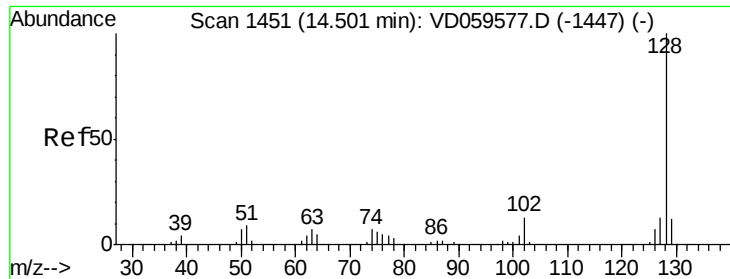
#94
 Hexachlorobutadiene
 Concen: 23.28 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059627.D
 Acq: 30 Jul 2018 19:13

Tgt Ion:225 Resp: 33988
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.5
 227 65.8 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

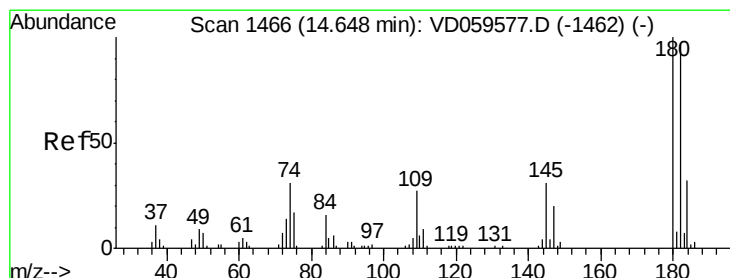
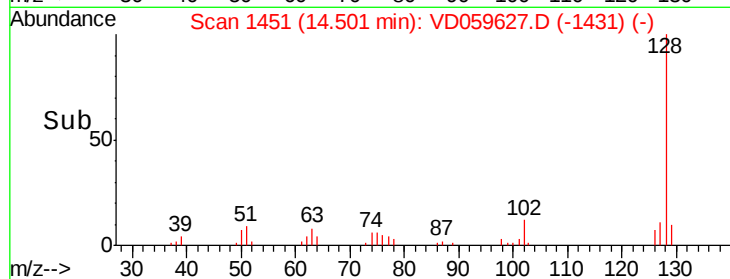
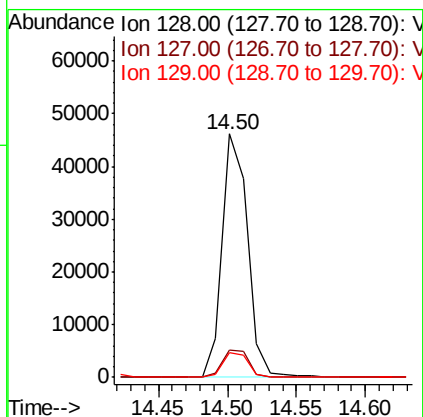
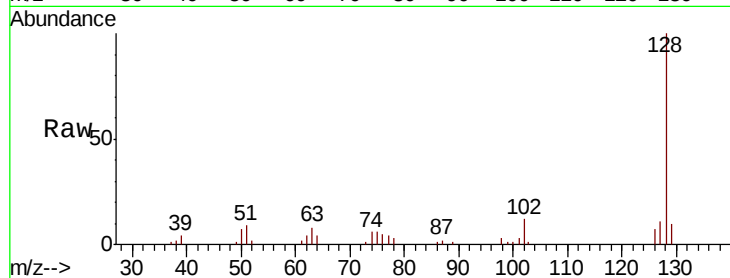




#95
Naphthalene
Concen: 22.38 ug/l
RT: 14.50 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:128 Resp: 58910
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 10.3 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 22.18 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059627.D
Acq: 30 Jul 2018 19:13

Tgt Ion:180 Resp: 37135
Ion Ratio Lower Upper
180 100
182 96.2 48.6 145.9
145 31.2 15.6 46.7

