

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
 Data File : VD059605.D
 Acq On : 26 Jul 2018 15:14
 Operator : VA/AP
 Sample : VD0726SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Quant Time: Jul 26 15:44:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	143442	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	184411	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	151729	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	74428	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	92452	51.27	ug/l	0.01
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.52	113	82905	52.41	ug/l	0.01
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	8.70	98	172552	48.09	ug/l	0.02
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.92	95	79082	48.93	ug/l	0.01
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	45437	25.90	ug/l	88
3) Chloromethane	1.47	50	17872	19.93	ug/l	94
4) Vinyl Chloride	1.54	62	18490	19.82	ug/l	97
5) Bromomethane	1.76	94	4760	26.59	ug/l	84
6) Chloroethane	1.84	64	6013	22.03	ug/l	99
7) Trichlorofluoromethane	2.05	101	36453	22.90	ug/l	98
8) Diethyl Ether	2.32	74	5595	20.40	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	18520	22.08	ug/l	98
10) Methyl Iodide	2.66	142	21083	20.49	ug/l	99
11) Tert butyl alcohol	3.27	59	7574	105.28	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	12012	19.76	ug/l #	75
13) Acrolein	2.45	56	4423	119.34	ug/l	86
14) Allyl chloride	2.89	41	30091	20.41	ug/l	97
15) Acrylonitrile	3.33	53	15456	99.06	ug/l	93
16) Acetone	2.59	43	28896	106.11	ug/l	97
17) Carbon Disulfide	2.73	76	47480	19.66	ug/l	100
18) Methyl Acetate	2.90	43	11236	20.63	ug/l	94
19) Methyl tert-butyl Ether	3.39	73	54865	26.93	ug/l #	88
20) Methylene Chloride	3.04	84	16047	20.67	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	15905	24.26	ug/l	93
22) Diisopropyl ether	4.04	45	77513	20.00	ug/l	97
23) Vinyl Acetate	3.99	43	257804	104.80	ug/l	97
24) 1,1-Dichloroethane	3.94	63	51567	21.07	ug/l	98
25) 2-Butanone	4.81	43	41995	101.12	ug/l	96
26) 2,2-Dichloropropane	4.77	77	53910	21.51	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	28124	21.48	ug/l	94
28) Bromochloromethane	5.12	49	20660	21.34	ug/l	94
29) Tetrahydrofuran	5.17	42	18219	94.75	ug/l	99
30) Chloroform	5.29	83	61456	21.00	ug/l	99
31) Cyclohexane	5.57	56	34837	18.70	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61519	21.71	ug/l	94
36) 1,1-Dichloropropene	5.72	75	42098	22.75	ug/l	95
37) Ethyl Acetate	4.90	43	19189	20.16	ug/l	99
38) Carbon Tetrachloride	5.70	117	56365	22.24	ug/l	98

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Jul 26 15:44:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	37077	21.79	ug/l	93
40) Benzene	5.99	78	78520	20.69	ug/l	100
41) Methacrylonitrile	5.10	41	9655	20.32	ug/l #	90
42) 1,2-Dichloroethane	6.11	62	49033	21.45	ug/l	99
43) Isopropyl Acetate	7.61	43	25678	19.45	ug/l	95
44) Trichloroethene	6.96	130	29161	21.19	ug/l	99
45) 1,2-Dichloropropane	7.33	63	20817	19.59	ug/l	99
46) Dibromomethane	7.45	93	19096	21.26	ug/l	97
47) Bromodichloromethane	7.72	83	46546	21.70	ug/l	98
48) Methyl methacrylate	7.49	41	18557	21.20	ug/l	90
49) 1,4-Dioxane	7.48	88	3419	430.46	ug/l #	80
51) 4-Methyl-2-Pentanone	8.59	43	87294	99.04	ug/l	95
52) Toluene	8.79	92	53654	21.32	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	38387	19.84	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	40383	21.02	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	19993	21.15	ug/l	94
56) Ethyl methacrylate	9.30	69	23823	22.21	ug/l	97
57) 1,3-Dichloropropane	9.65	76	30671	20.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	49002	97.23	ug/l	93
59) 2-Hexanone	9.78	43	66832	95.46	ug/l	98
60) Dibromochloromethane	9.95	129	32264	20.56	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23543	21.02	ug/l	97
64) Tetrachloroethene	9.50	164	29422	21.40	ug/l	89
65) Chlorobenzene	10.71	112	65779	21.15	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	29702	21.95	ug/l	100
67) Ethyl Benzene	10.85	91	119795	22.41	ug/l	99
68) m/p-Xylenes	11.01	106	76105	42.62	ug/l	93
69) o-Xylene	11.40	106	36589	21.12	ug/l	95
70) Styrene	11.42	104	59099	20.57	ug/l	98
71) Bromoform	11.59	173	20750	18.83	ug/l	92
73) Isopropylbenzene	11.77	105	110706	21.05	ug/l	100
74) N-amyl acetate	11.64	43	35960	19.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	20492	19.09	ug/l	88
76) 1,2,3-Trichloropropane	12.10	75	25311	20.56	ug/l	100
77) Bromobenzene	12.03	156	31850	20.69	ug/l	92
78) n-propylbenzene	12.15	91	133055	20.83	ug/l	99
79) 2-Chlorotoluene	12.21	91	86565	22.73	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	90282	21.75	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6447	20.49	ug/l	92
82) 4-Chlorotoluene	12.32	91	95334	22.13	ug/l	90
83) tert-Butylbenzene	12.57	119	101391	21.69	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	93566	21.20	ug/l	97
85) sec-Butylbenzene	12.75	105	114505	21.44	ug/l	96
86) p-Isopropyltoluene	12.88	119	90516	20.11	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	55508	21.32	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	52974	21.12	ug/l	94
89) n-Butylbenzene	13.19	91	91218	20.99	ug/l	98
90) Hexachloroethane	13.40	117	25486	21.19	ug/l	91
91) 1,2-Dichlorobenzene	13.19	146	44912	20.56	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4524	20.90	ug/l	86

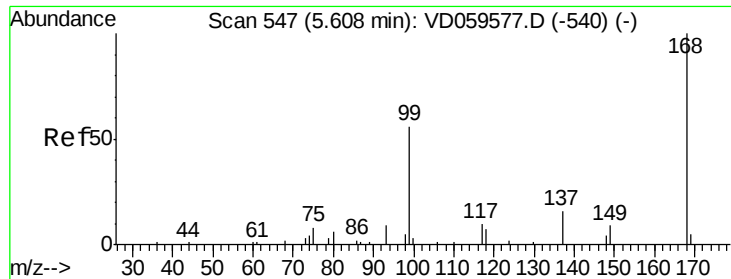
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072618\
Data File : VD059605.D
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	39002	21.56	ug/l	98
94) Hexachlorobutadiene	14.43	225	31511	22.09	ug/l	98
95) Naphthalene	14.51	128	52423	20.38	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	33646	20.56	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

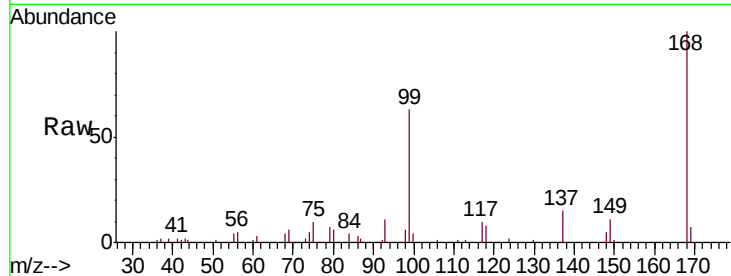
VD0726SBS01

Tot Ion:168 Resp: 143442

Ion Ratio Lower Upper

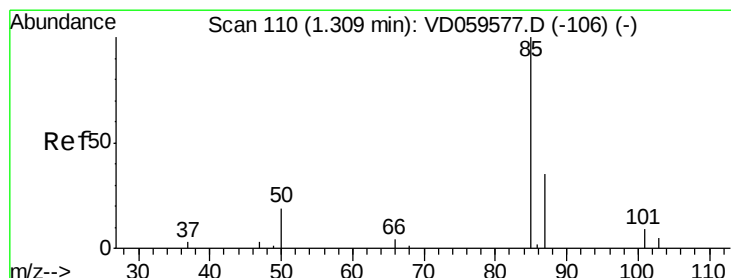
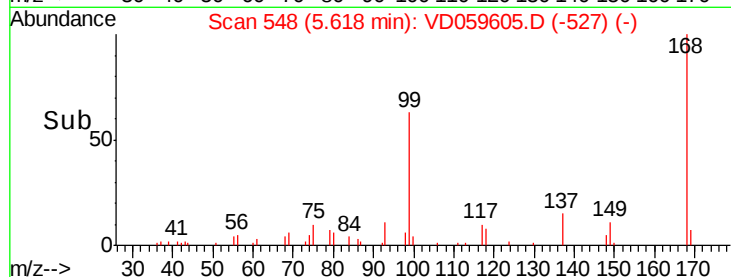
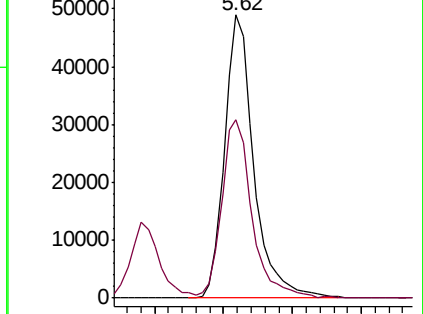
168 100

99 63.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.90 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059605.D

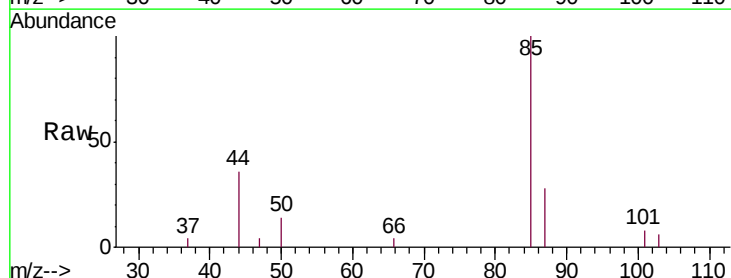
Acq: 26 Jul 2018 15:14

Tgt Ion: 85 Resp: 45437

Ion Ratio Lower Upper

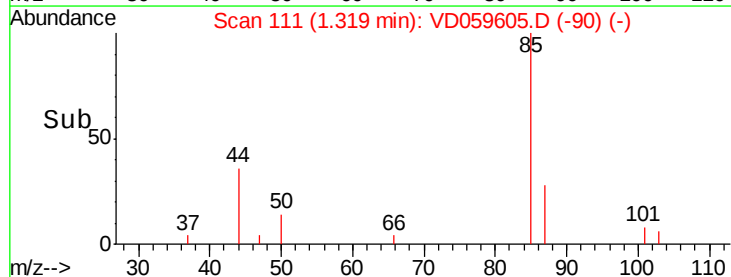
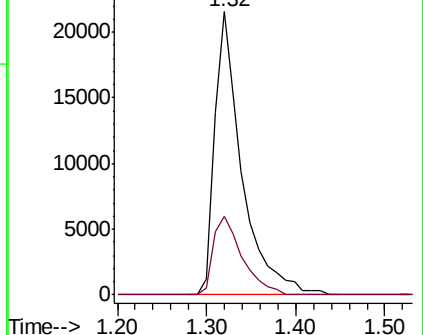
85 100

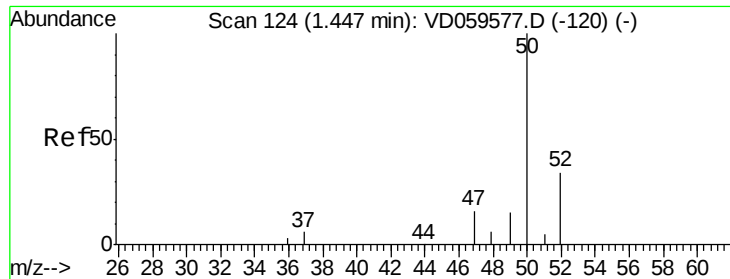
87 27.8 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.93 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

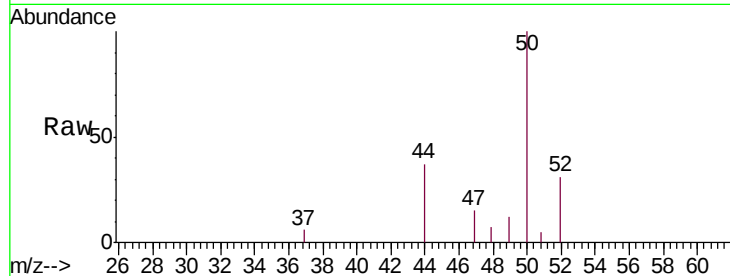
VD0726SBS01

Tot Ion: 50 Resp: 17872

Ion Ratio Lower Upper

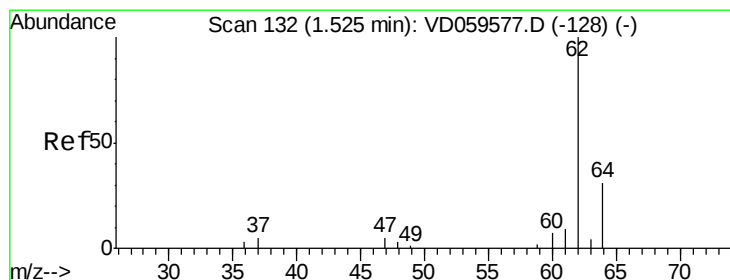
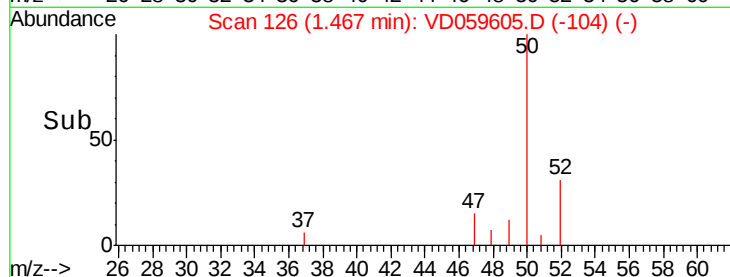
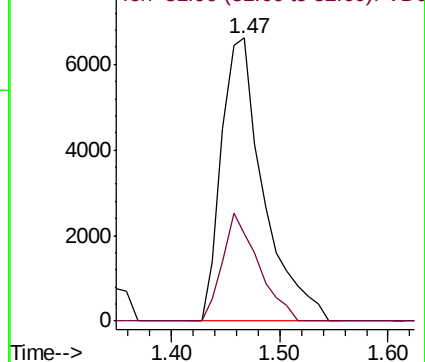
50 100

52 30.8 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: 19.82 ug/l

RT: 1.54 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059605.D

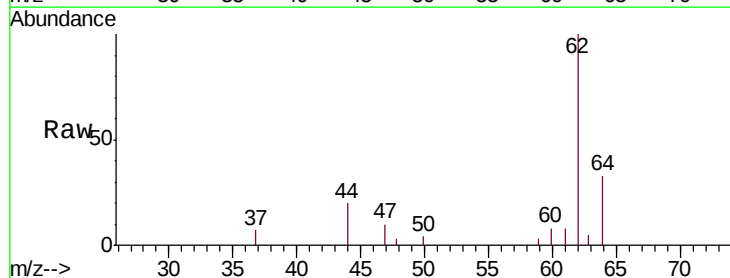
Acq: 26 Jul 2018 15:14

Tgt Ion: 62 Resp: 18490

Ion Ratio Lower Upper

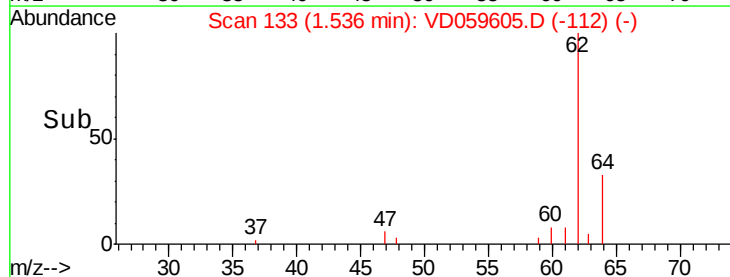
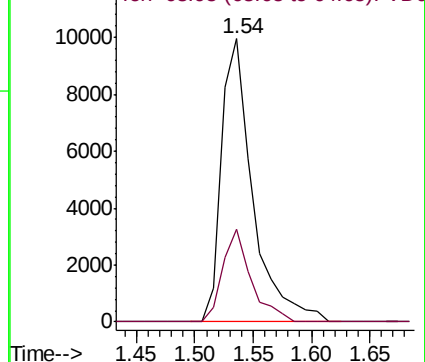
62 100

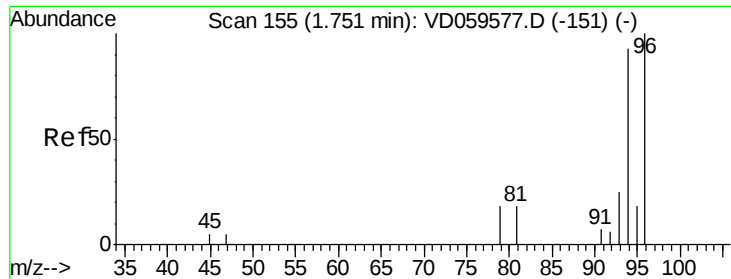
64 32.6 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 26.59 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

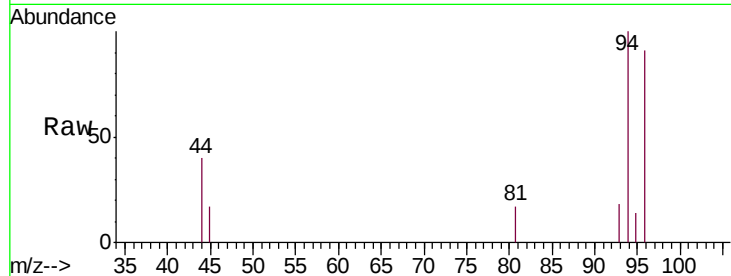
VD0726SBS01

Tot Ion: 94 Resp: 4760

Ion Ratio Lower Upper

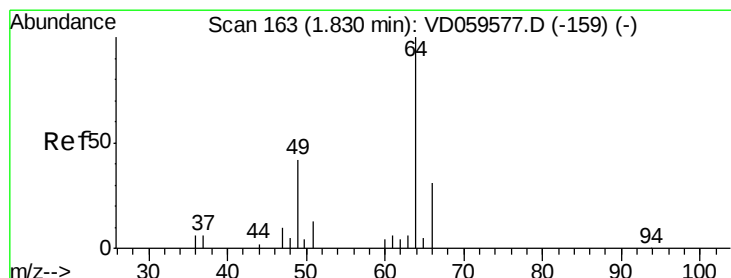
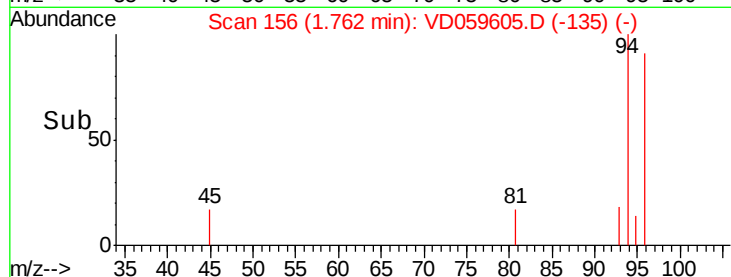
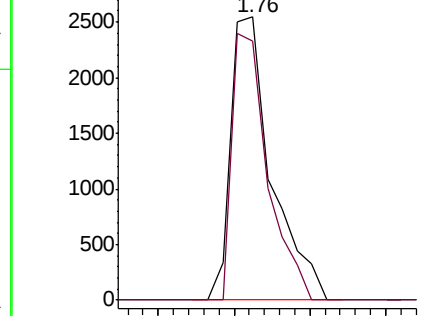
94 100

96 91.4 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: 22.03 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059605.D

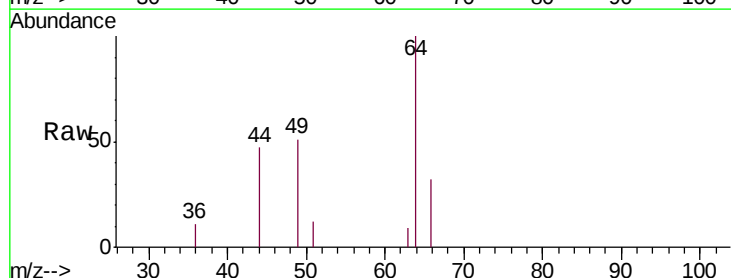
Acq: 26 Jul 2018 15:14

Tgt Ion: 64 Resp: 6013

Ion Ratio Lower Upper

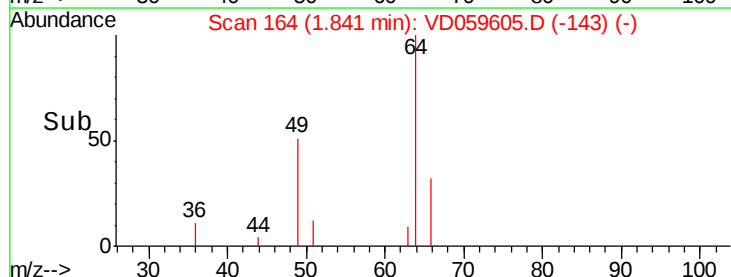
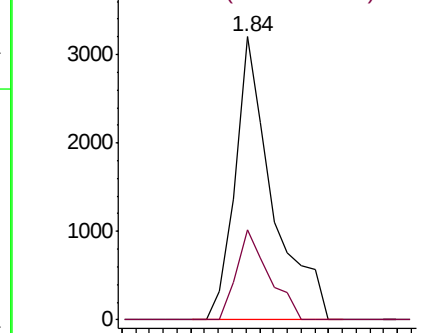
64 100

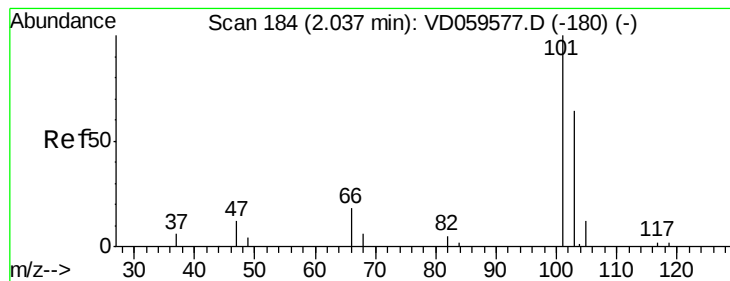
66 31.8 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



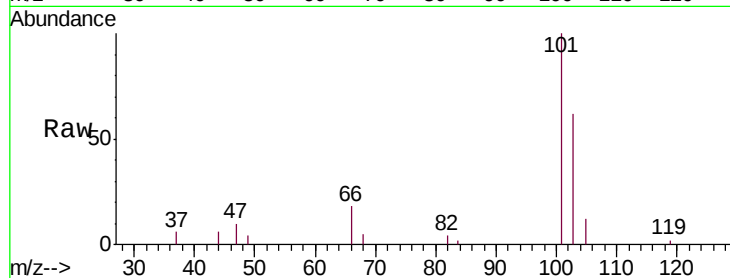


#7

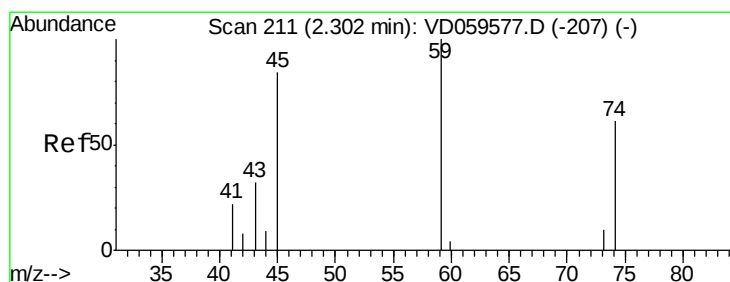
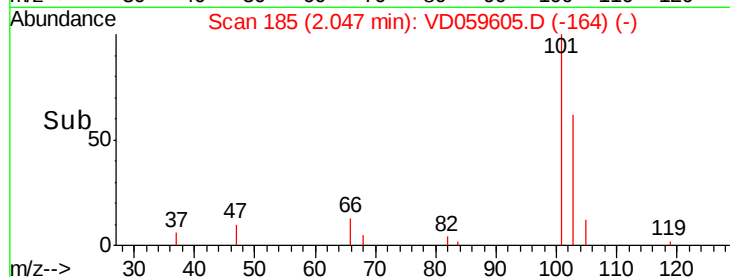
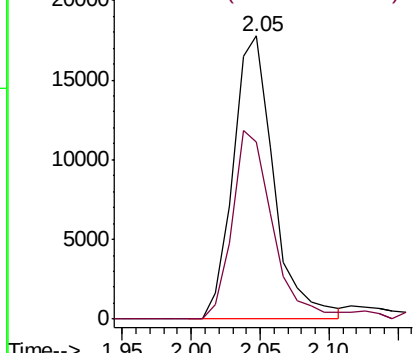
Trichlorofluoromethane
Concen: 22.90 ug/l
RT: 2.05 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion:101 Resp: 36453
Ion Ratio Lower Upper
101 100
103 62.4 50.9 76.3



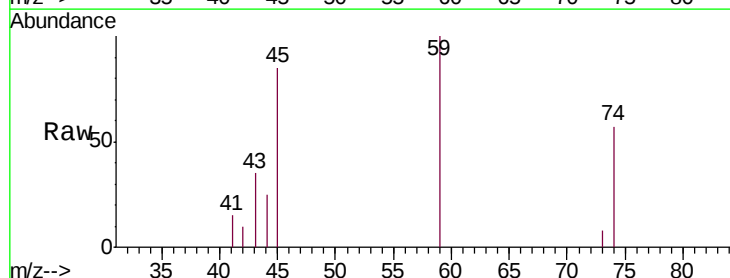
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



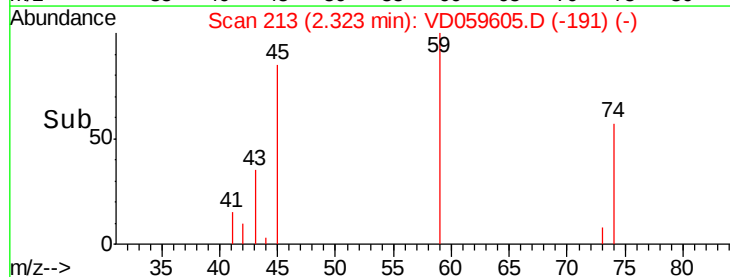
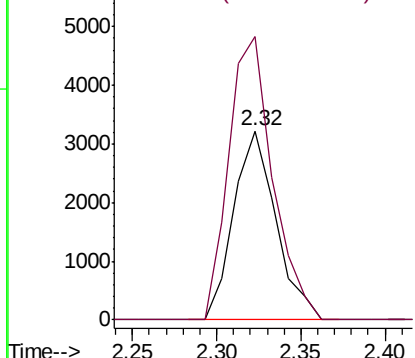
#8

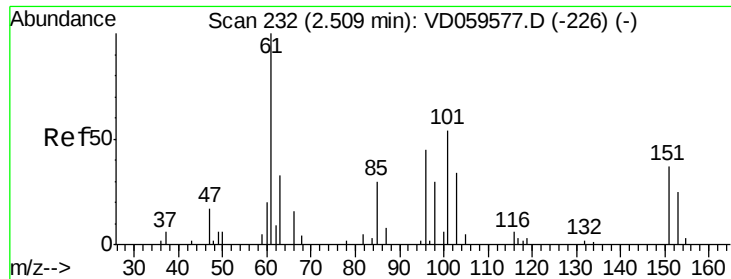
Diethyl Ether
Concen: 20.40 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 74 Resp: 5595
Ion Ratio Lower Upper
74 100
45 149.6 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: 22.08 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

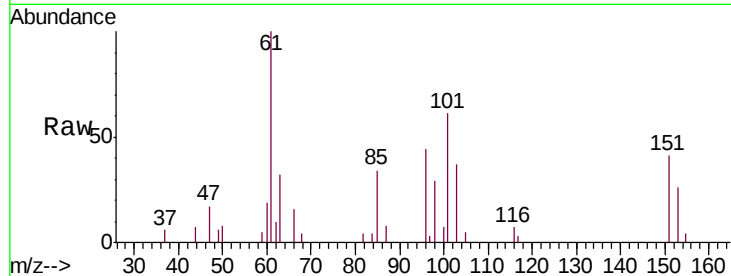
Tot Ion:101 Resp: 18520

Ion Ratio Lower Upper

101 100

85 56.2 44.5 66.7

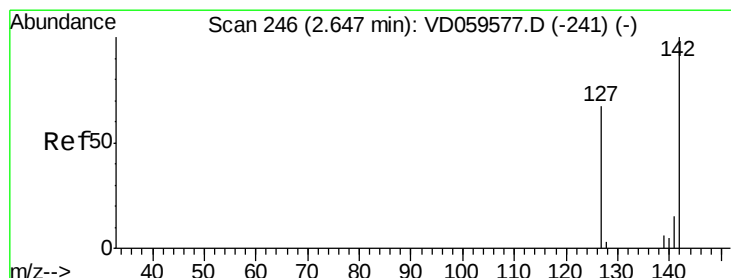
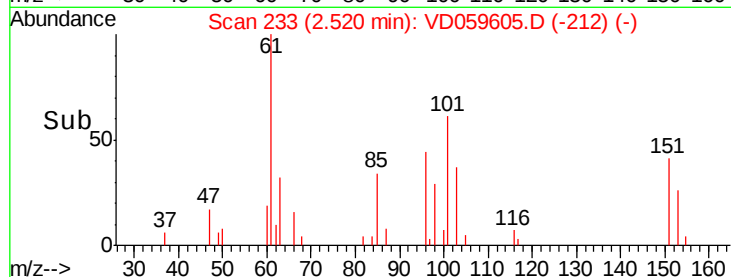
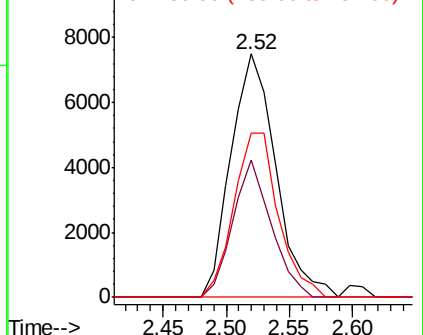
151 67.3 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.49 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

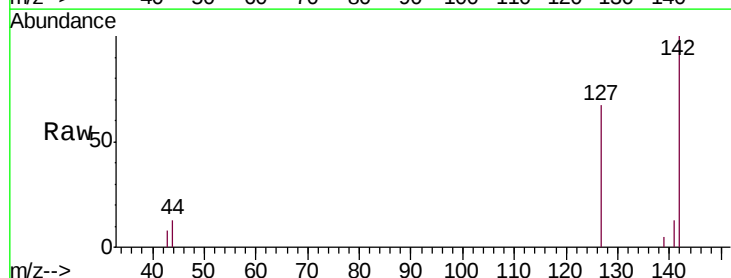
Tgt Ion:142 Resp: 21083

Ion Ratio Lower Upper

142 100

127 67.2 53.6 80.4

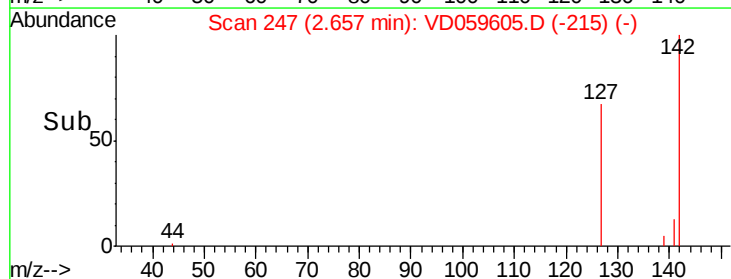
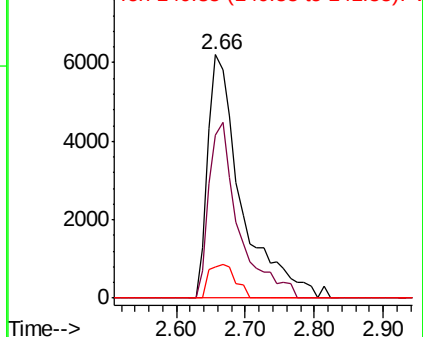
141 13.0 12.2 18.2

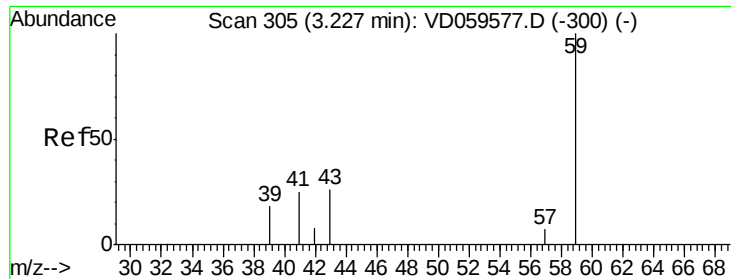


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

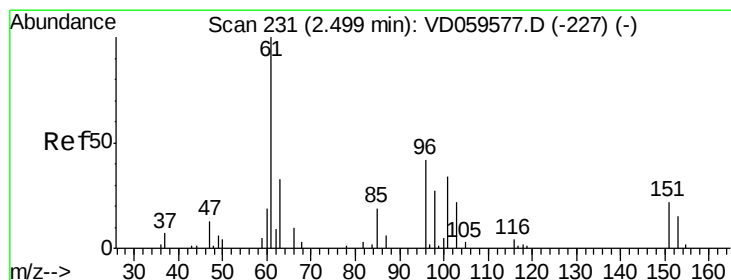
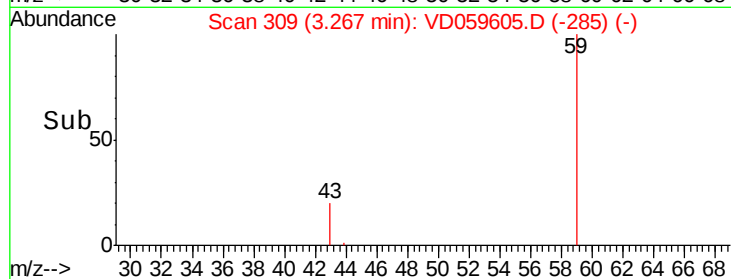
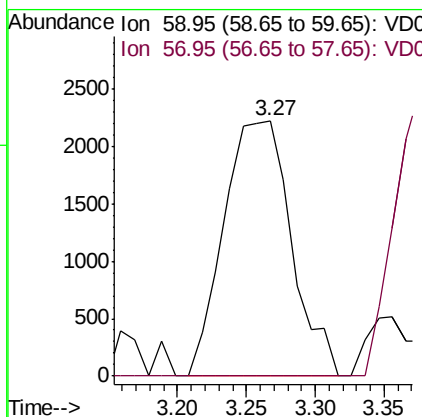
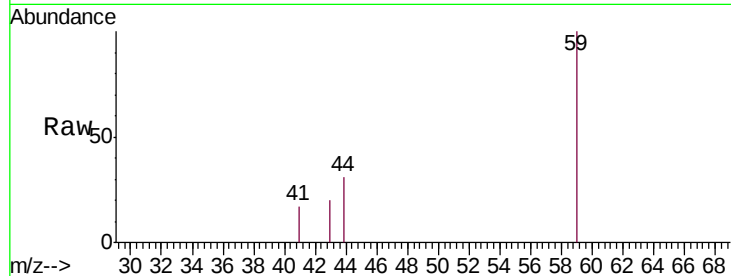




#11
Tert butyl alcohol
Concen: 105.28 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.04 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

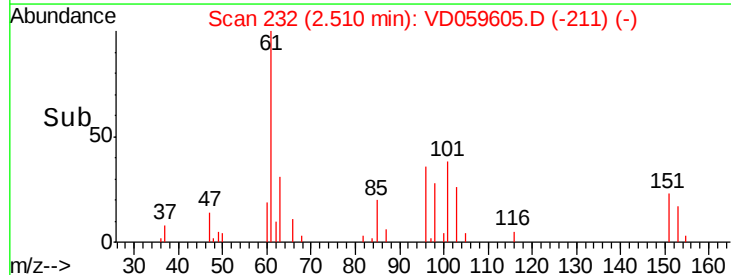
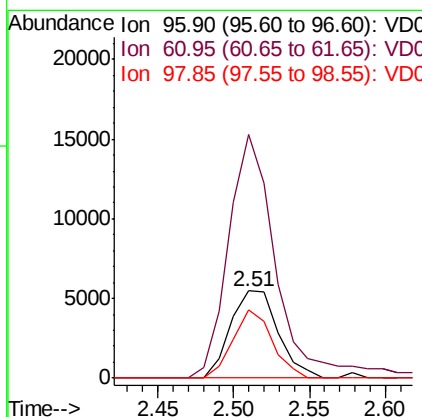
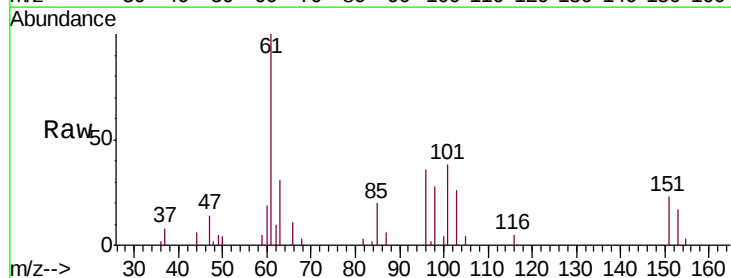
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

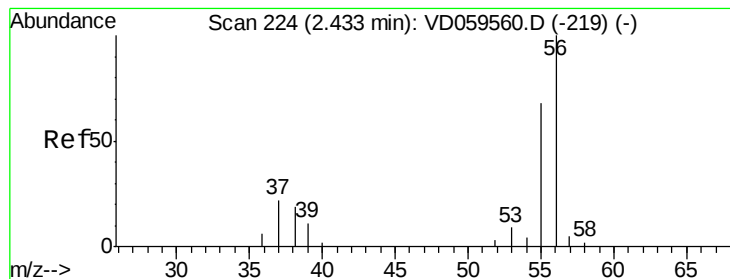
Tot Ion: 59 Resp: 7574
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#



#12
1,1-Dichloroethene
Concen: 19.76 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 96 Resp: 12012
Ion Ratio Lower Upper
96 100
61 280.4 188.8 283.2
98 78.4 51.4 77.2#





#13

Acrolein

Concen: 119.34 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

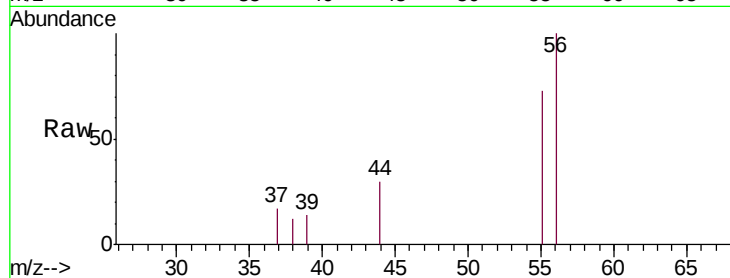
VD0726SBS01

Tot Ion: 56 Resp: 4423

Ion Ratio Lower Upper

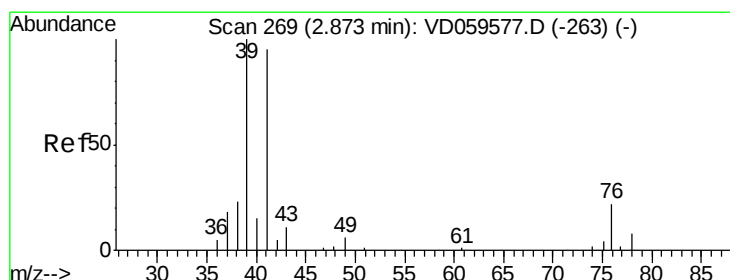
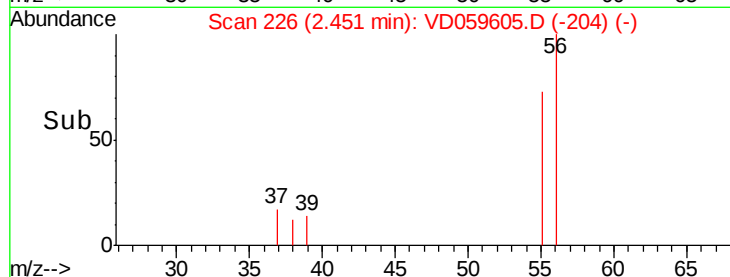
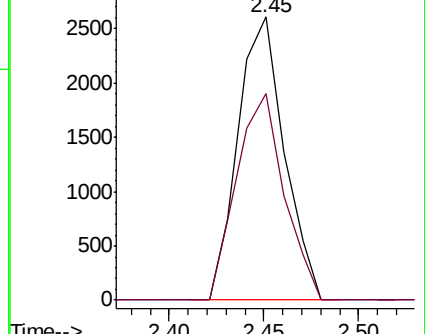
56 100

55 73.2 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.41 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

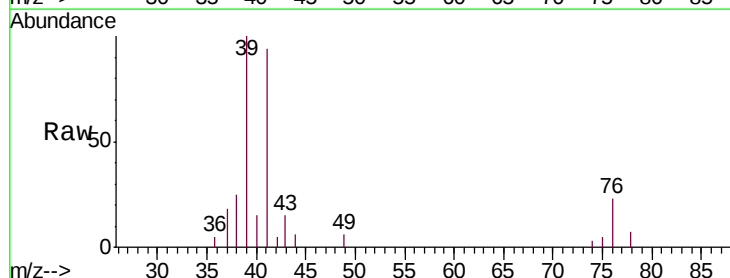
Tgt Ion: 41 Resp: 30091

Ion Ratio Lower Upper

41 100

39 106.9 83.8 125.8

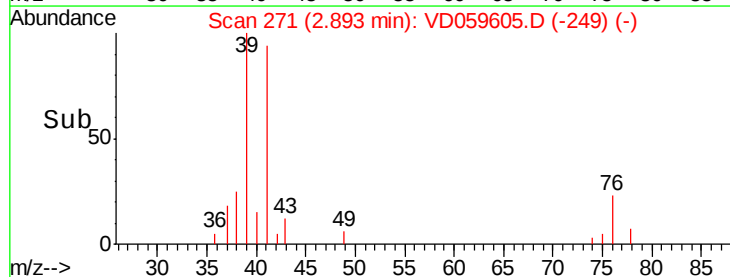
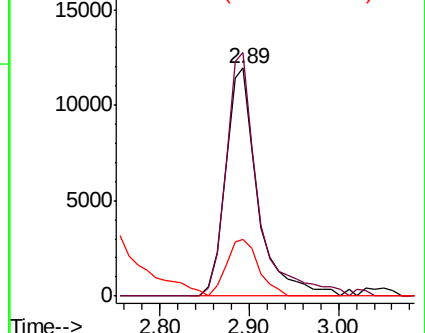
76 25.0 22.2 33.4

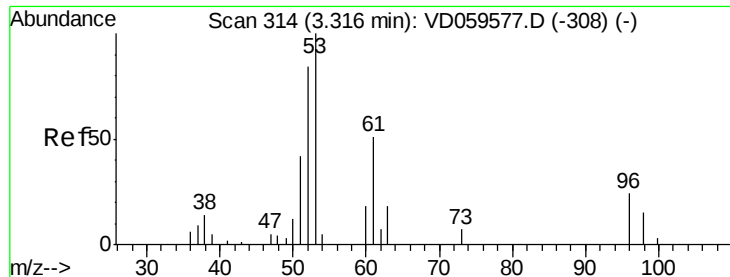


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.06 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

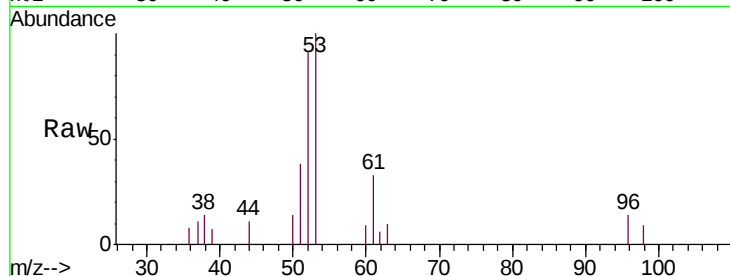
Tot Ion: 53 Resp: 15456

Ion Ratio Lower Upper

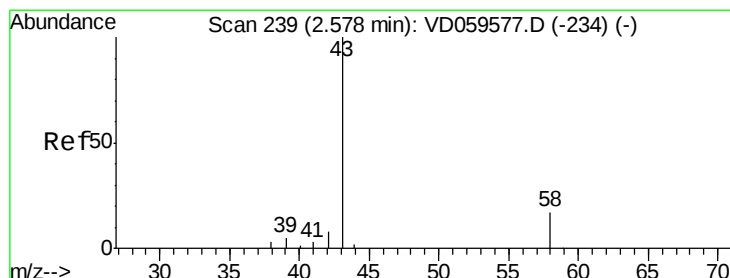
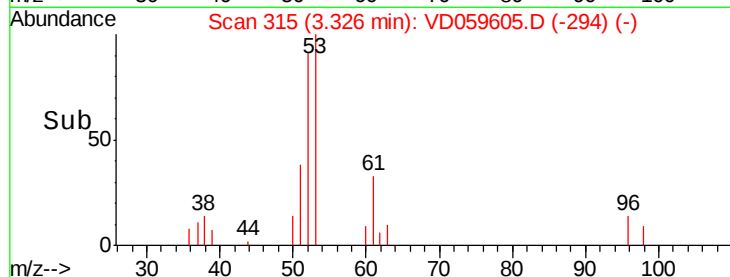
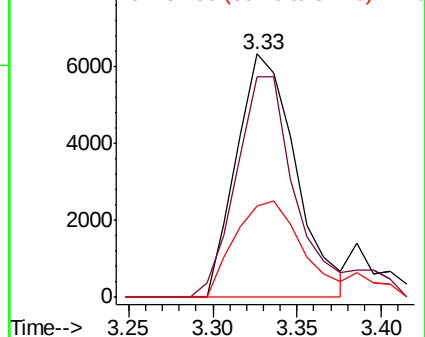
53 100

52 90.8 67.6 101.4

51 37.5 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: 106.11 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059605.D

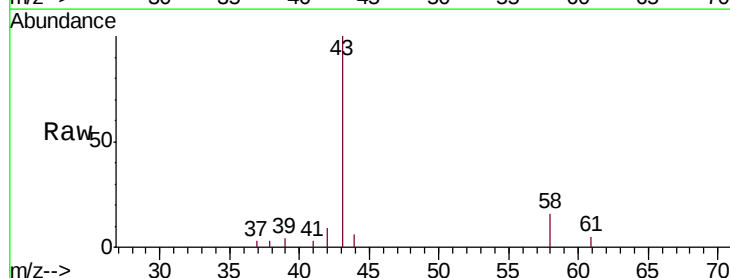
Acq: 26 Jul 2018 15:14

Tgt Ion: 43 Resp: 28896

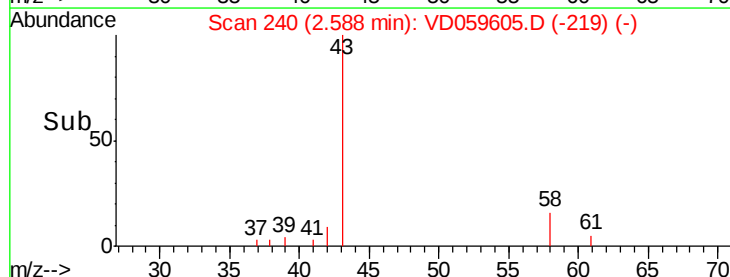
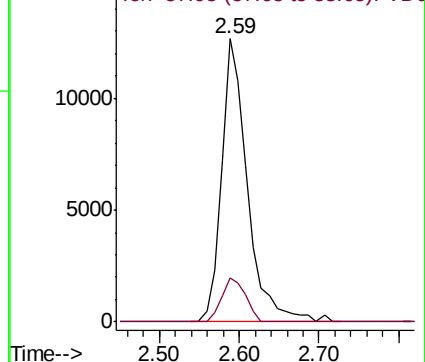
Ion Ratio Lower Upper

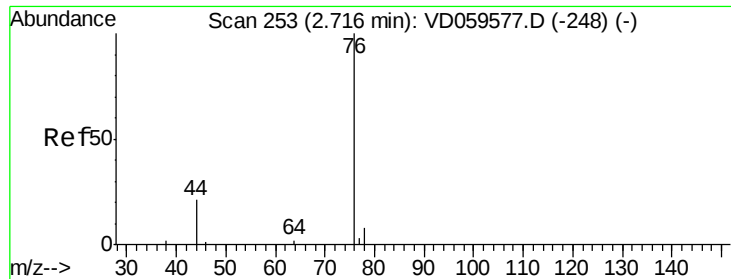
43 100

58 15.6 13.4 20.0



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

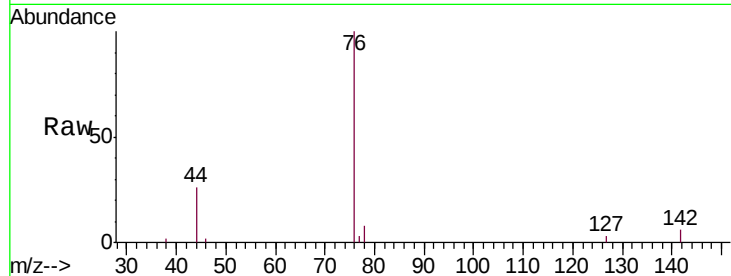




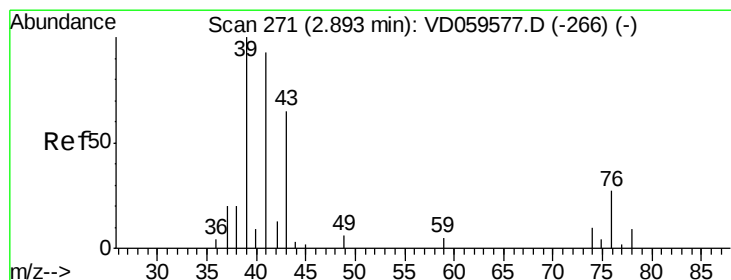
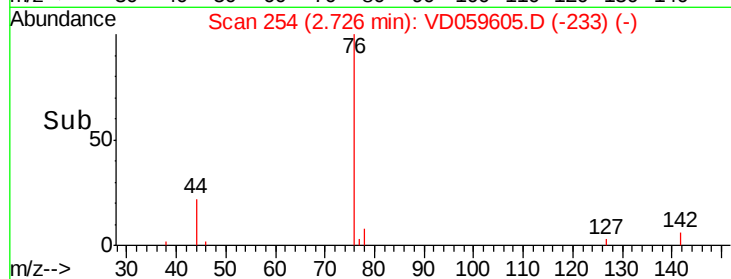
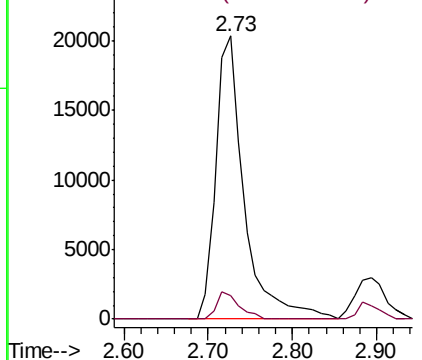
#17
Carbon Disulfide
Concen: 19.66 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion: 76 Resp: 47480
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2

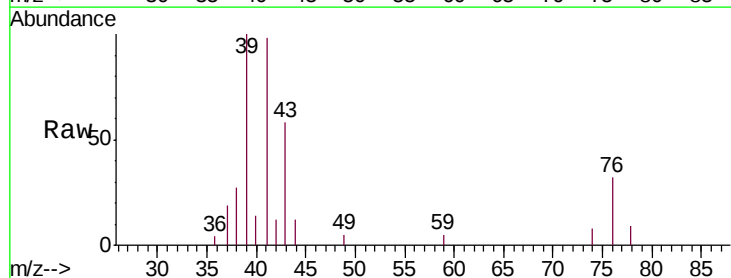


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

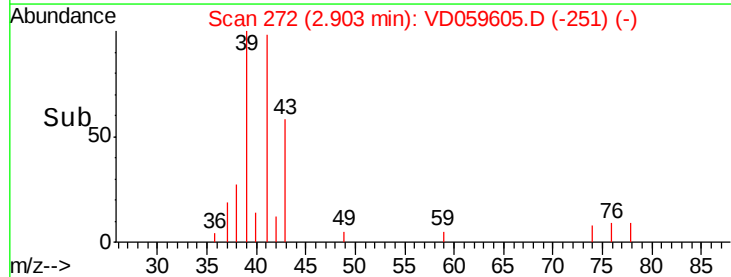
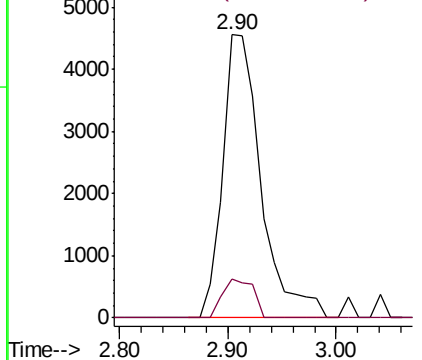


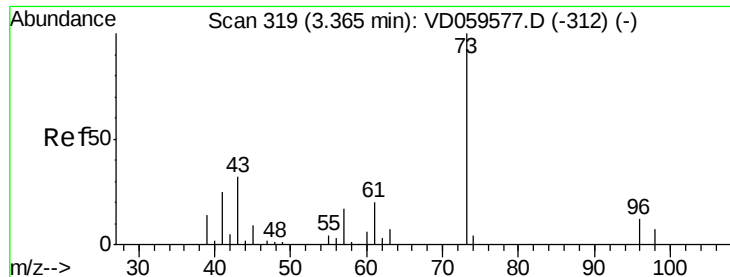
#18
Methyl Acetate
Concen: 20.63 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 43 Resp: 11236
Ion Ratio Lower Upper
43 100
74 13.8 13.0 19.4



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



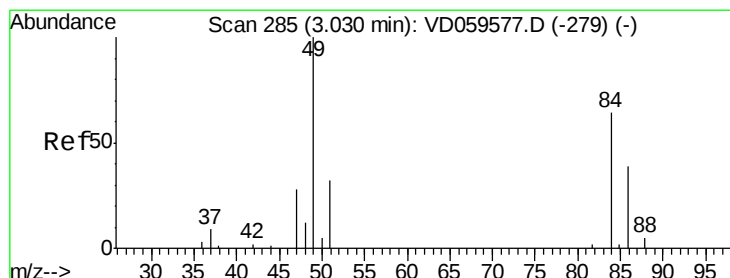
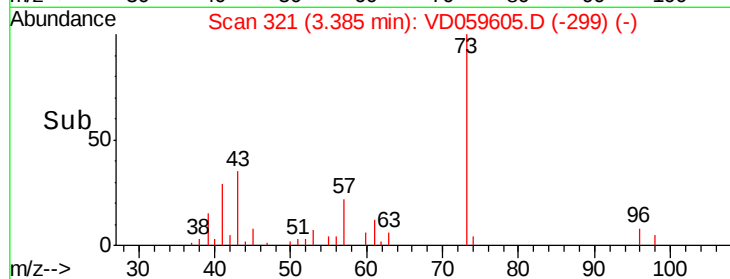
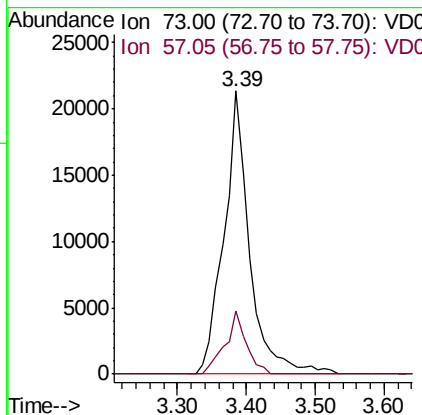
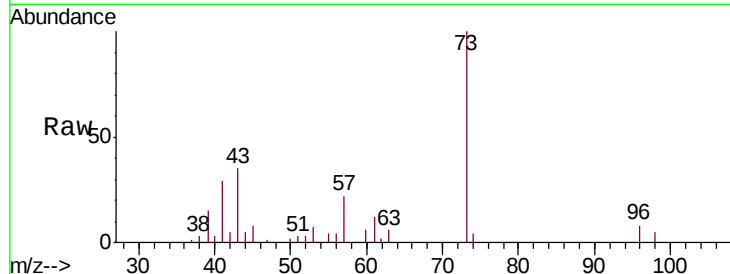


#19

Methyl tert-butyl Ether
 Concen: 26.93 ug/l
 RT: 3.39 min Scan# 321
 Delta R.T. 0.02 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0726SBS01

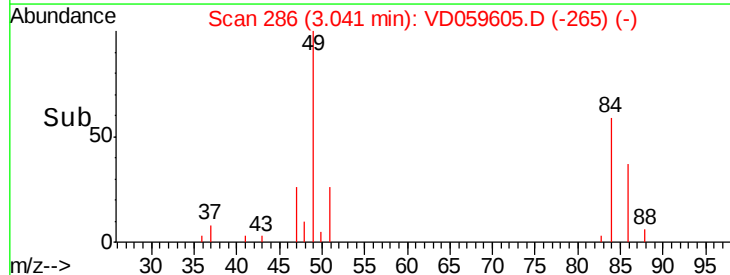
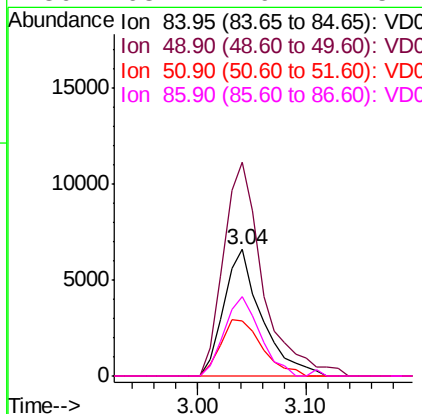
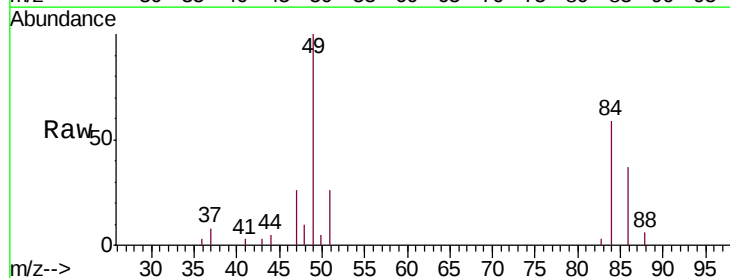
Tot Ion: 73 Resp: 54865
 Ion Ratio Lower Upper
 73 100
 57 22.2 13.4 20.2#

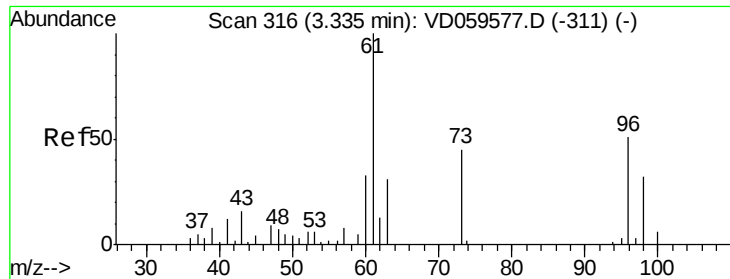


#20

Methylene Chloride
 Concen: 20.67 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 84 Resp: 16047
 Ion Ratio Lower Upper
 84 100
 49 169.0 125.4 188.2
 51 43.6 39.7 59.5
 86 63.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 24.26 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

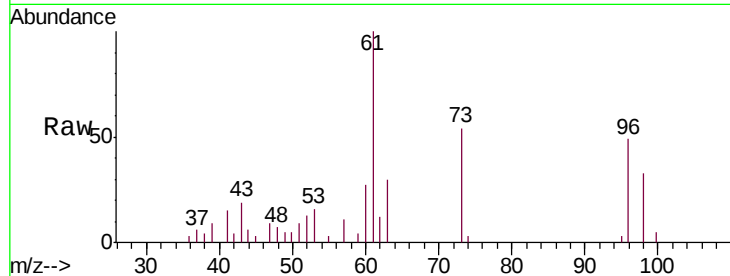
Tot Ion: 96 Resp: 15905

Ion Ratio Lower Upper

96 100

61 205.1 155.8 233.6

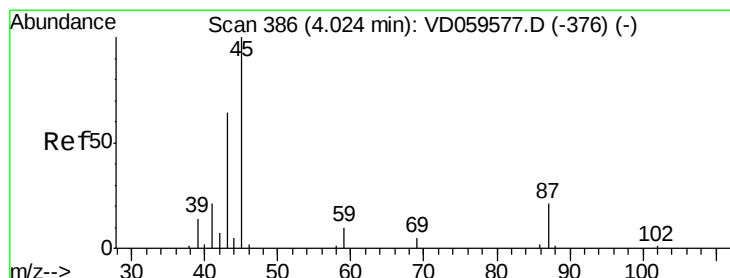
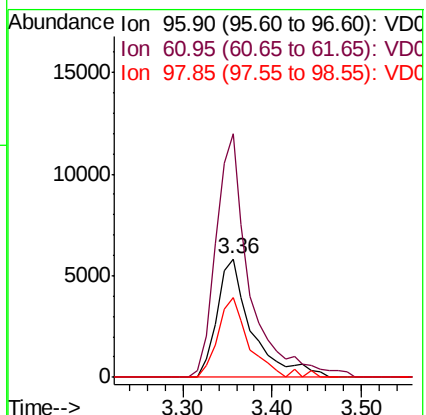
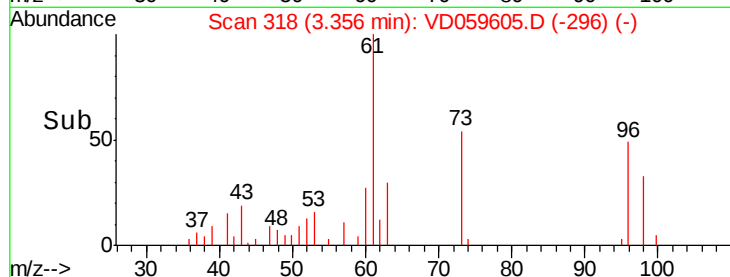
98 66.8 49.1 73.7



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: 20.00 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Tgt Ion: 45 Resp: 77513

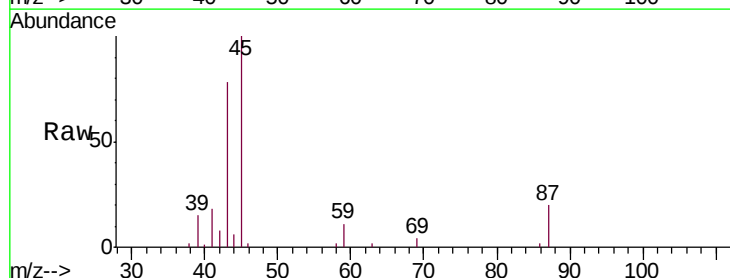
Ion Ratio Lower Upper

45 100

43 77.8 59.4 89.2

87 19.9 16.7 25.1

59 10.9 8.2 12.4

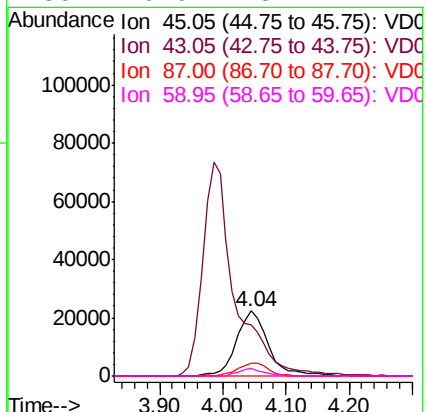
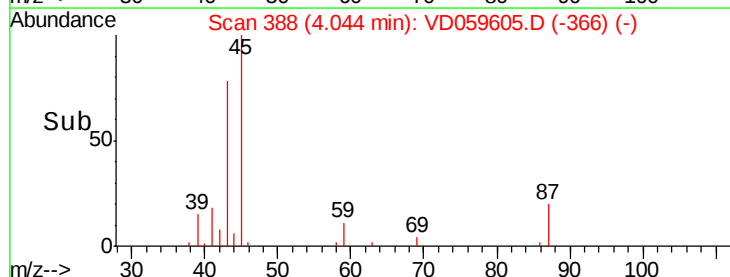


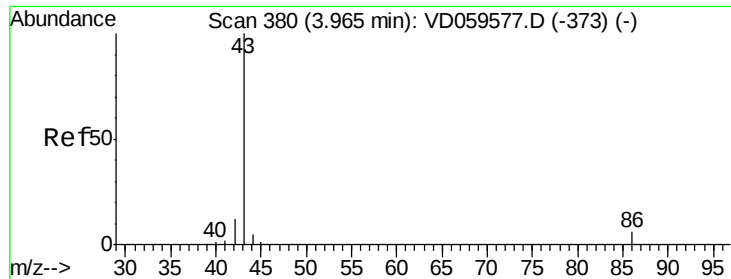
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.80 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

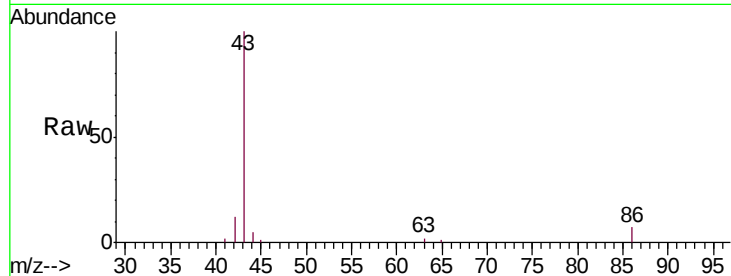
VD0726SBS01

Tot Ion: 43 Resp: 257804

Ion Ratio Lower Upper

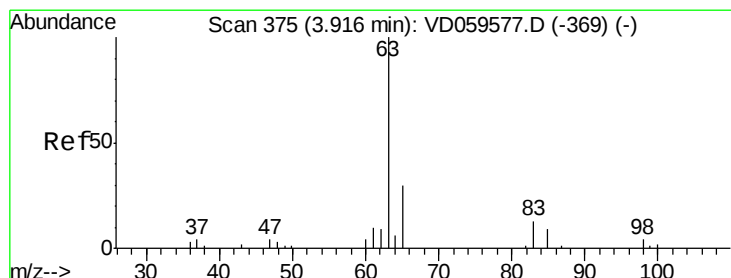
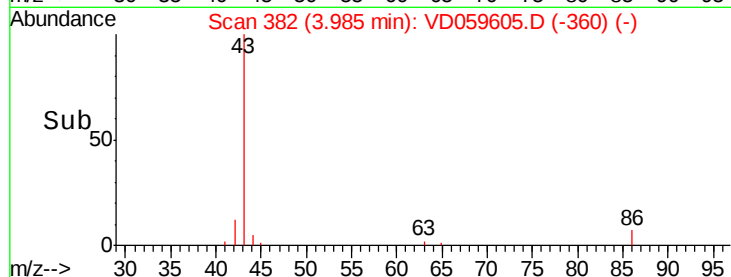
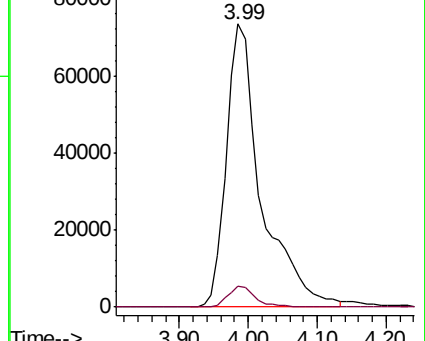
43 100

86 7.4 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.07 ug/l

RT: 3.94 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

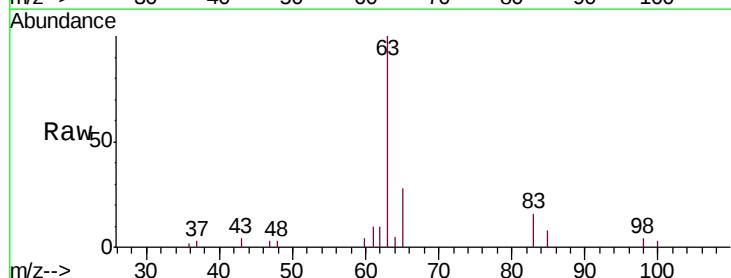
Tgt Ion: 63 Resp: 51567

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.5

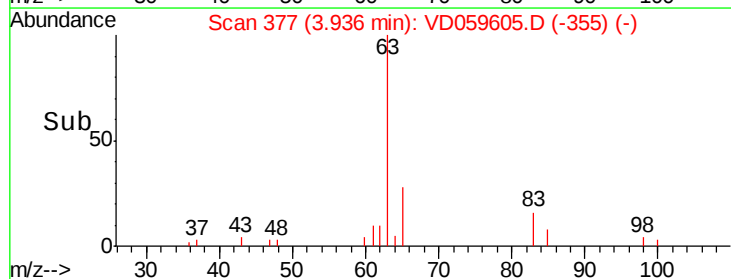
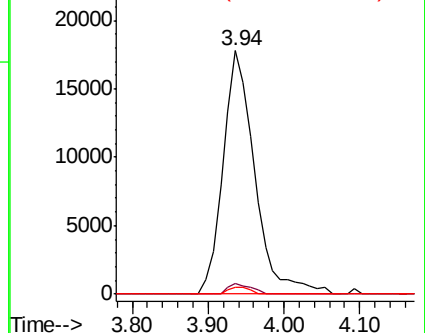
100 2.6 1.1 3.3

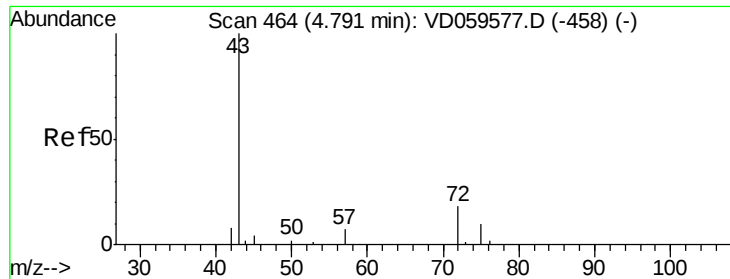


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.12 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

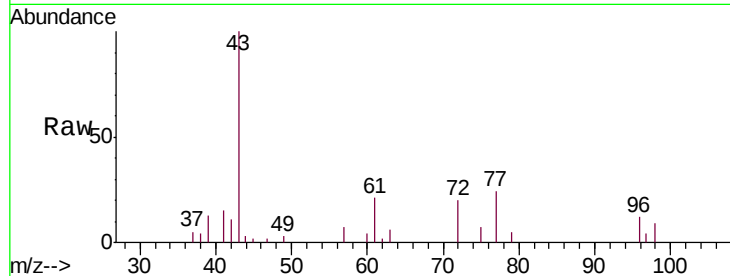
VD0726SBS01

Tot Ion: 43 Resp: 41995

Ion Ratio Lower Upper

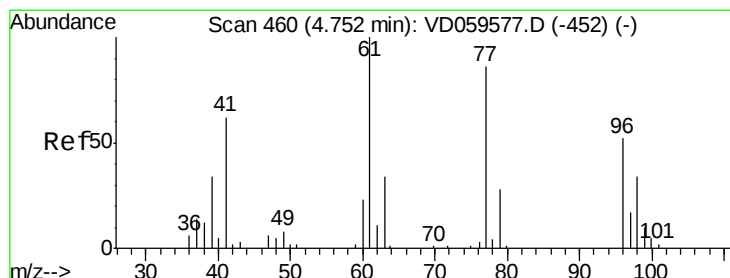
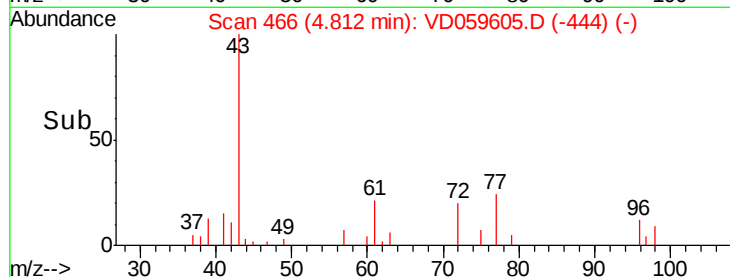
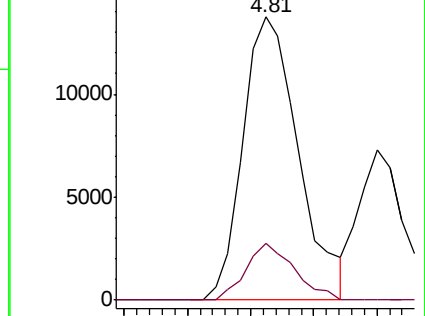
43 100

72 20.2 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.51 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059605.D

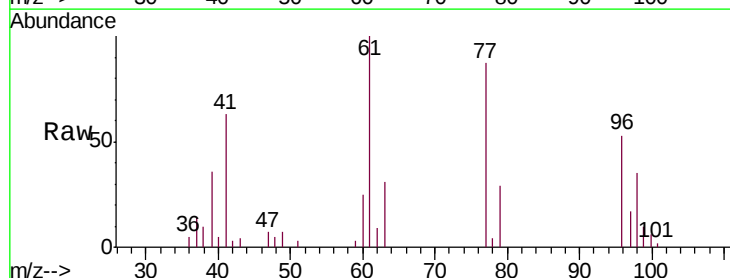
Acq: 26 Jul 2018 15:14

Tgt Ion: 77 Resp: 53910

Ion Ratio Lower Upper

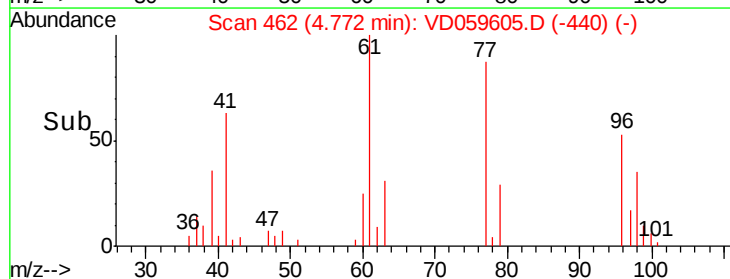
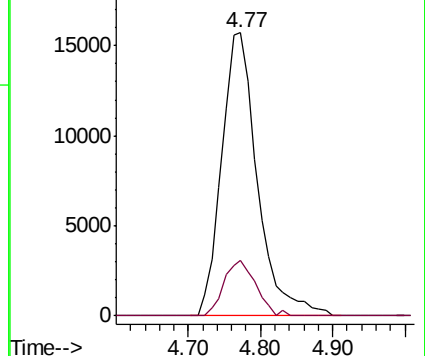
77 100

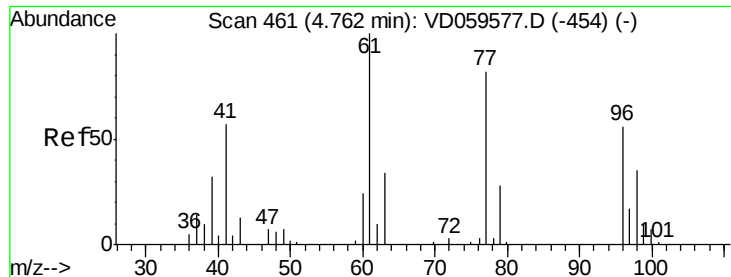
97 19.8 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



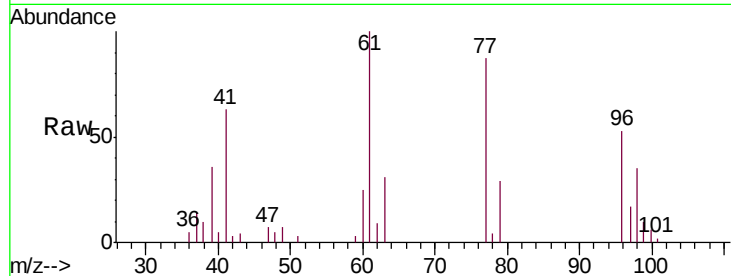


#27

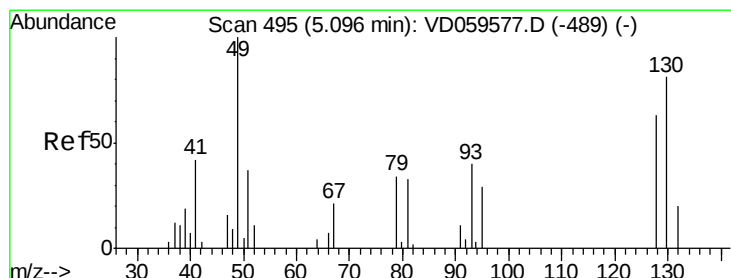
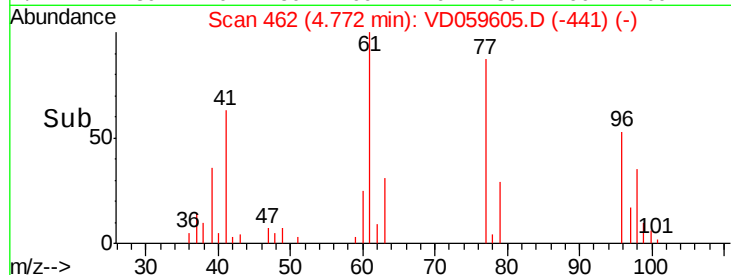
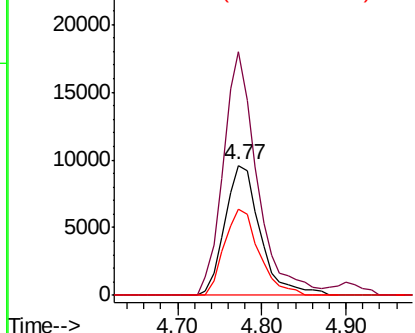
cis-1,2-Dichloroethene
 Concen: 21.48 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion: 96 Resp: 28124
 Ion Ratio Lower Upper
 96 100
 61 187.6 0.0 355.0
 98 66.2 0.0 125.8



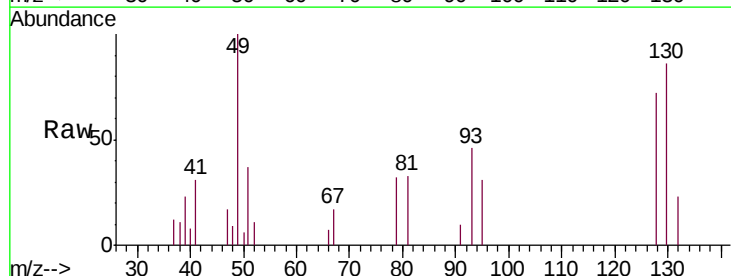
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



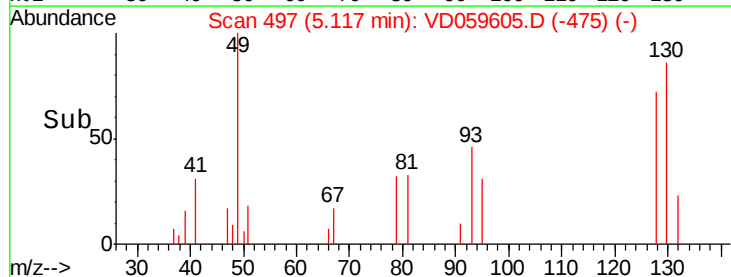
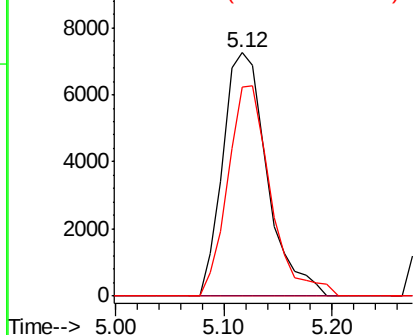
#28

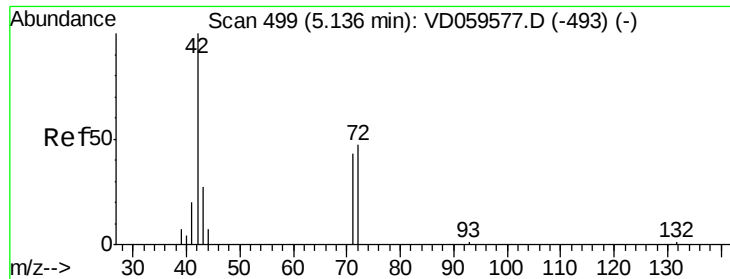
Bromochloromethane
 Concen: 21.34 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 49 Resp: 20660
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 85.6 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: 94.75 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

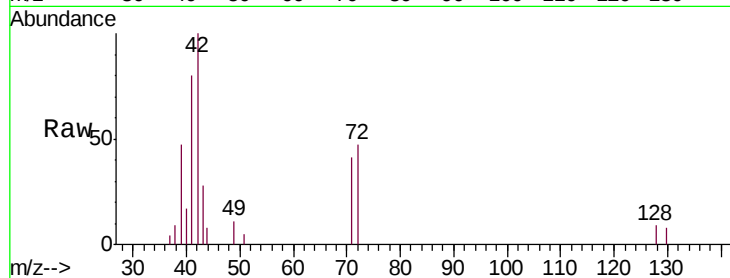
Tot Ion: 42 Resp: 18219

Ion Ratio Lower Upper

42 100

72 44.2 35.0 52.4

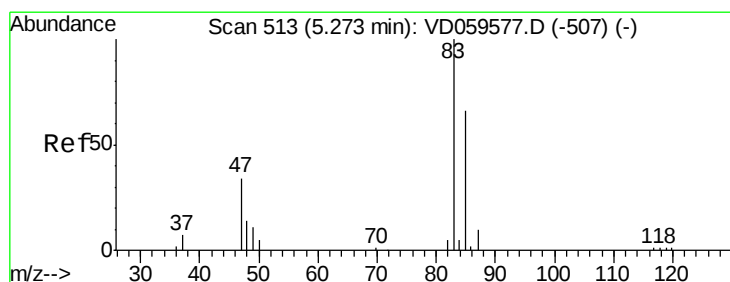
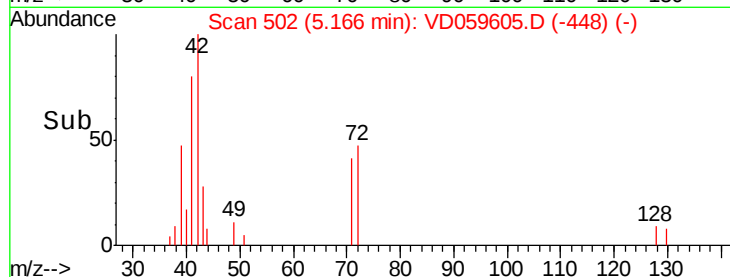
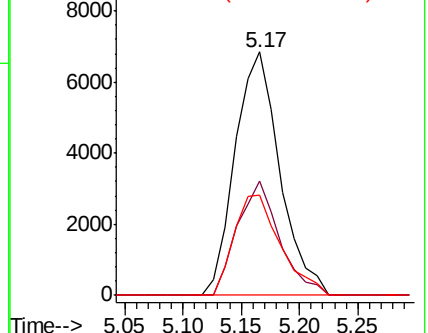
71 43.0 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.00 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059605.D

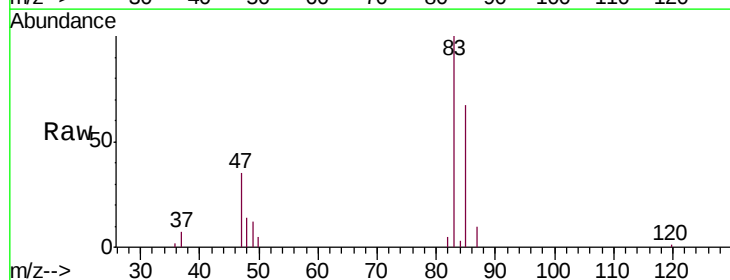
Acq: 26 Jul 2018 15:14

Tgt Ion: 83 Resp: 61456

Ion Ratio Lower Upper

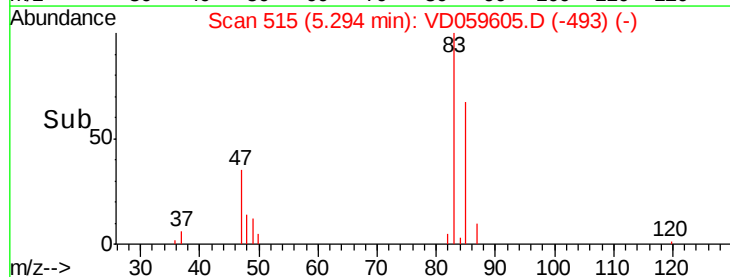
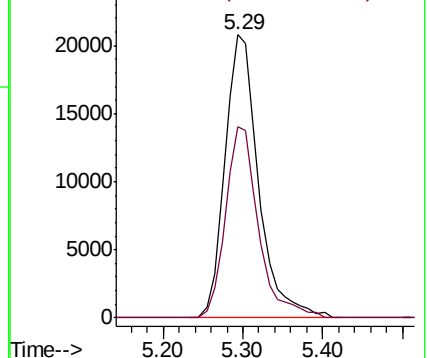
83 100

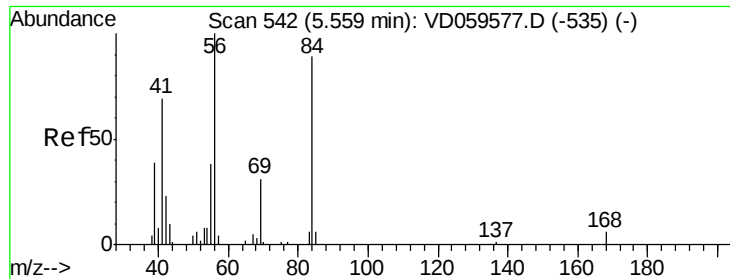
85 67.4 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

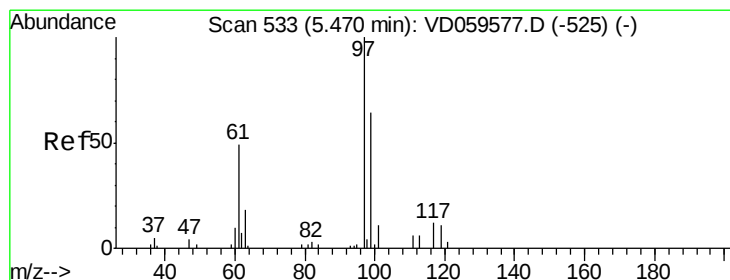
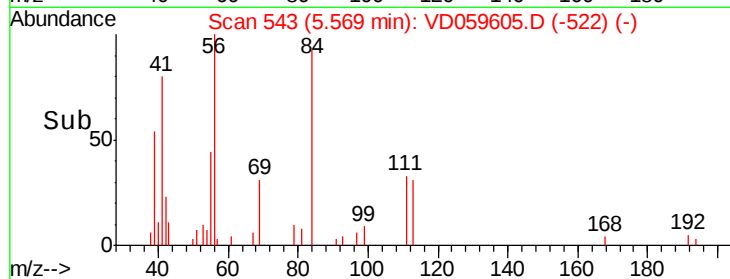
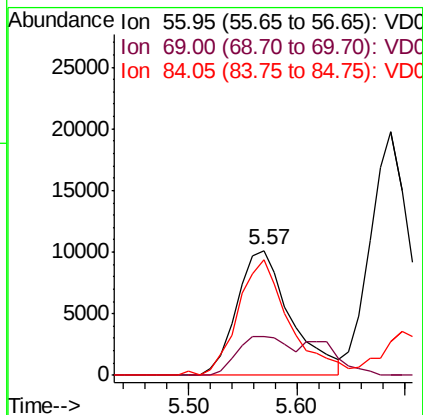
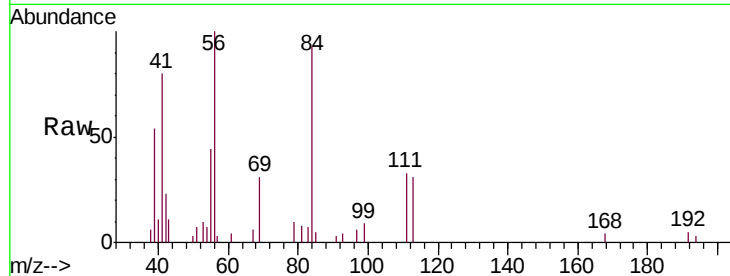




#31
Cyclohexane
Concen: 18.70 ug/l
RT: 5.57 min Scan# 543
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

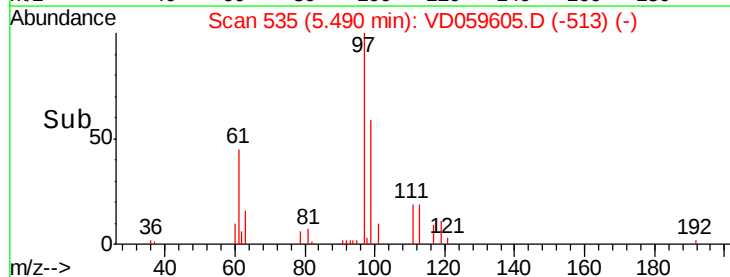
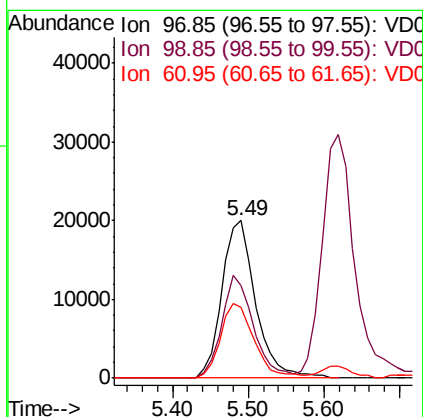
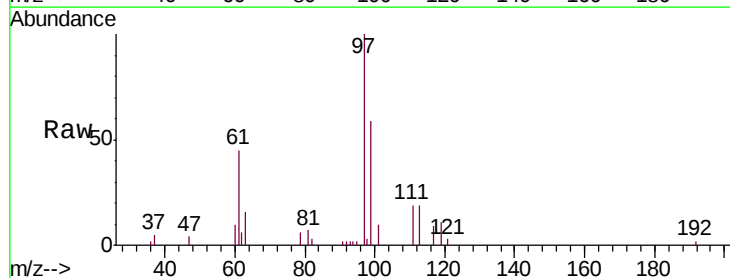
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

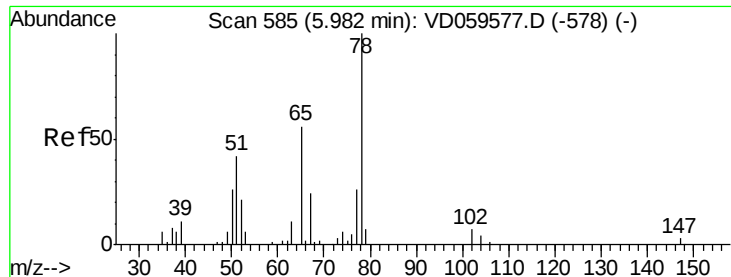
Tot Ion: 56 Resp: 34837
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 93.0 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 21.71 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 97 Resp: 61519
Ion Ratio Lower Upper
97 100
99 58.8 50.9 76.3
61 45.3 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 21.71 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

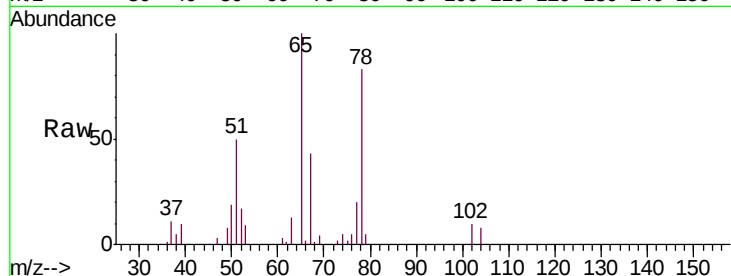
VD0726SBS01

Tot Ion: 65 Resp: 92452

Ion Ratio Lower Upper

65 100

67 43.4 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.99

40000

30000

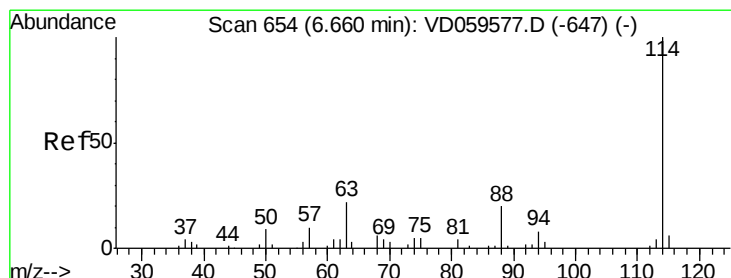
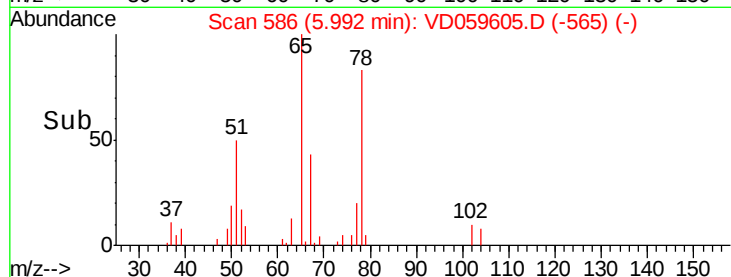
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

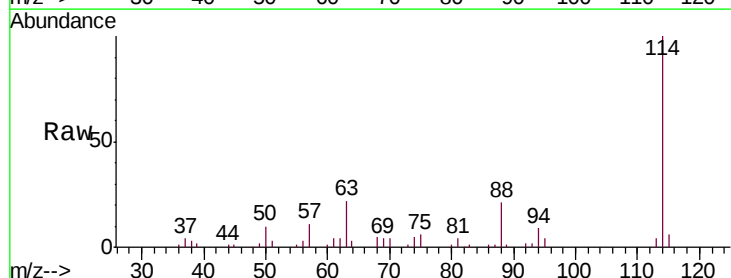
Tgt Ion: 114 Resp: 184411

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

88 20.6 0.0 39.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

100000

80000

60000

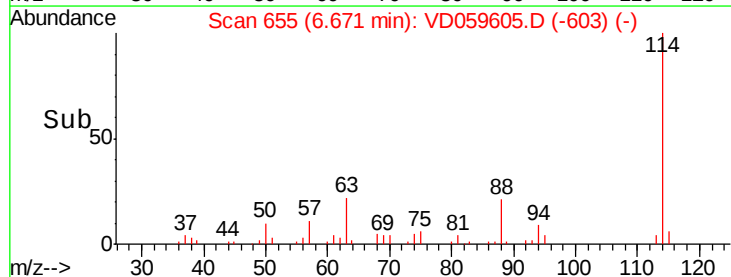
40000

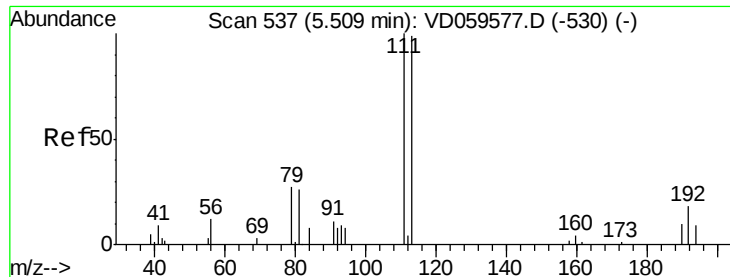
20000

0

Time-->

6.50 6.60 6.70 6.80





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

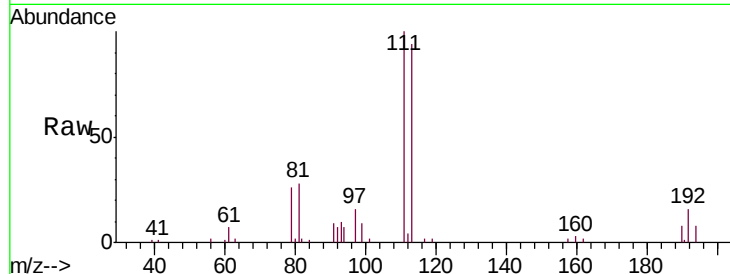
Tot Ion:113 Resp: 82905

Ion Ratio Lower Upper

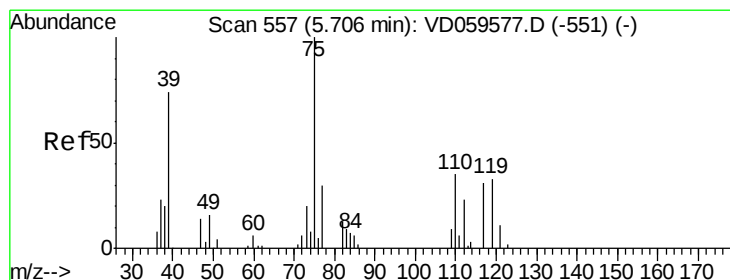
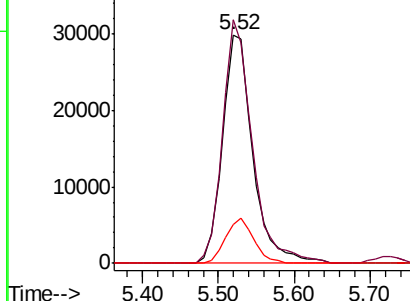
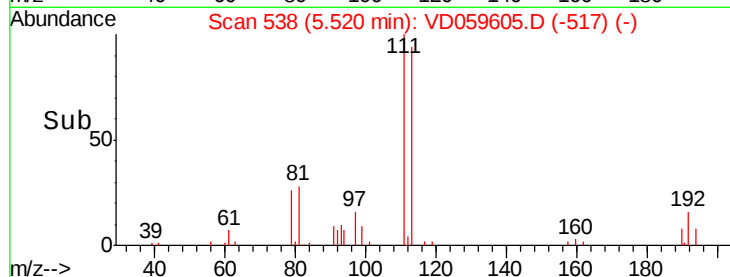
113 100

111 106.6 80.5 120.7

192 16.8 14.5 21.7



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



#36

1,1-Dichloropropene

Concen: 22.75 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

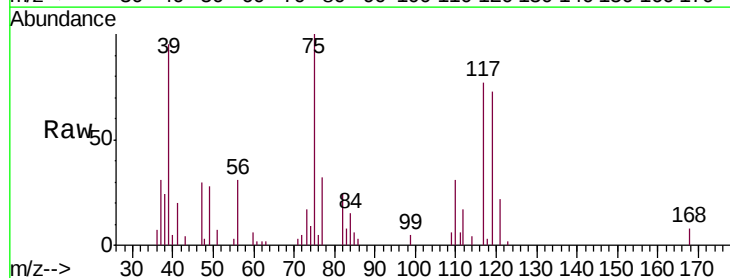
Tgt Ion: 75 Resp: 42098

Ion Ratio Lower Upper

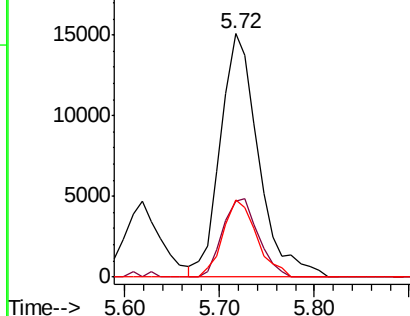
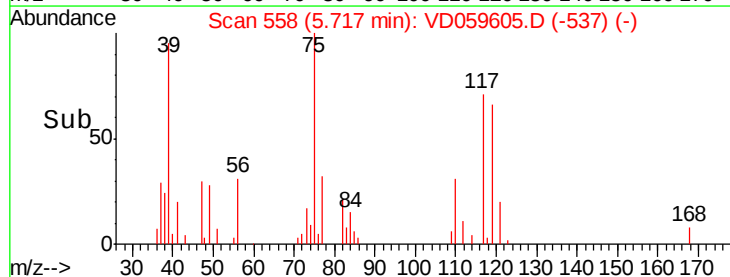
75 100

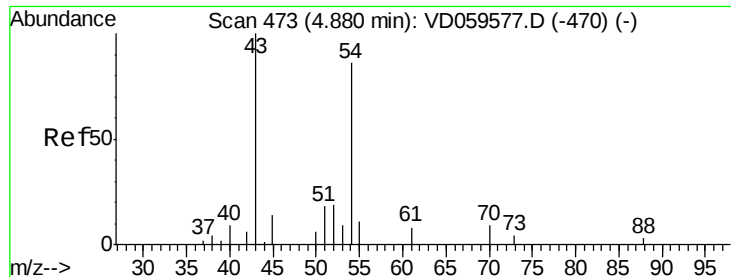
110 30.9 17.0 50.9

77 31.9 23.6 35.4



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

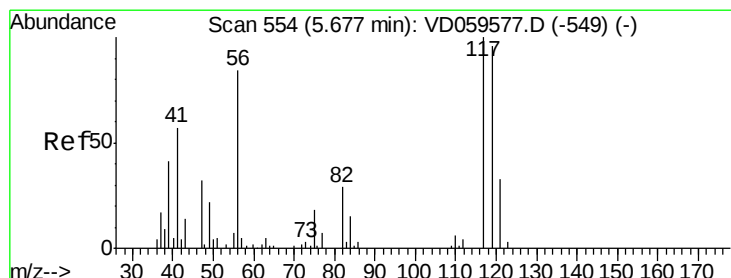
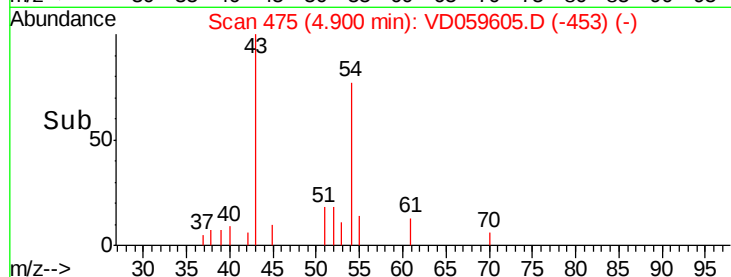
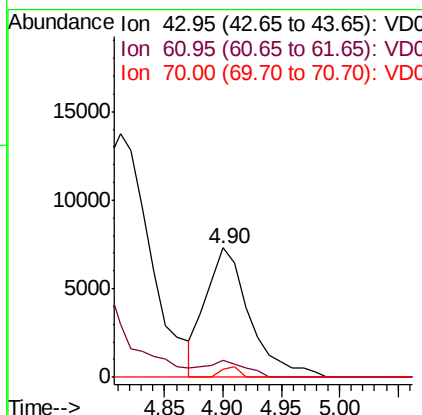
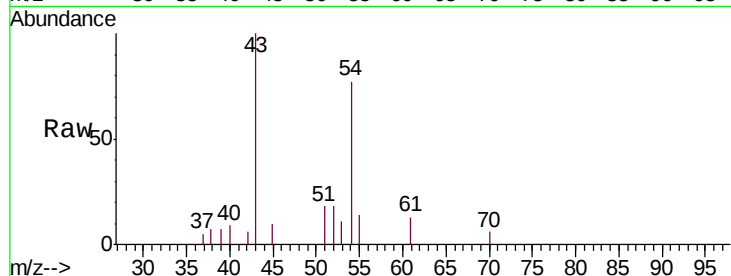




#37
Ethyl Acetate
Concen: 20.16 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

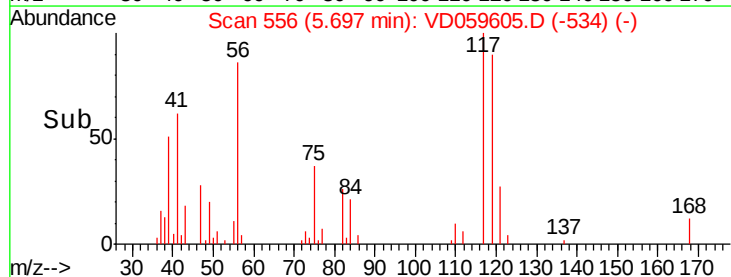
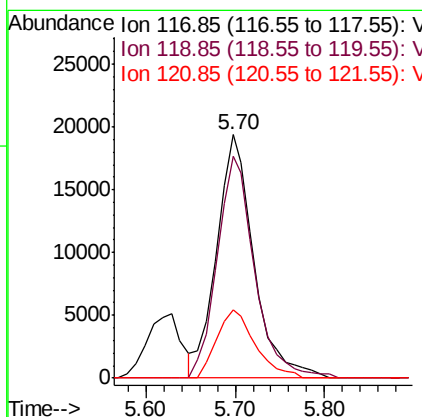
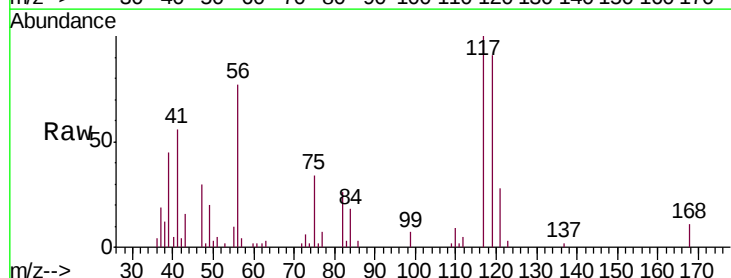
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

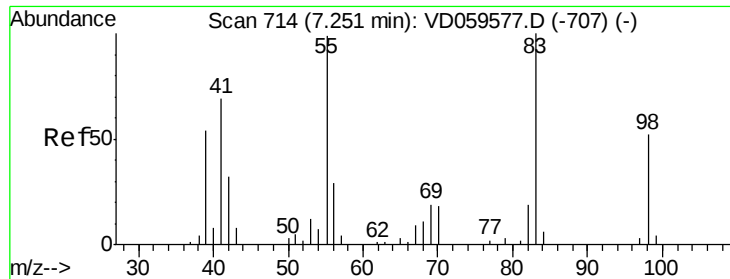
Tot Ion: 43 Resp: 19189
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 6.1 5.4 8.0



#38
Carbon Tetrachloride
Concen: 22.24 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 117 Resp: 56365
Ion Ratio Lower Upper
117 100
119 91.0 73.6 110.4
121 28.1 25.0 37.6

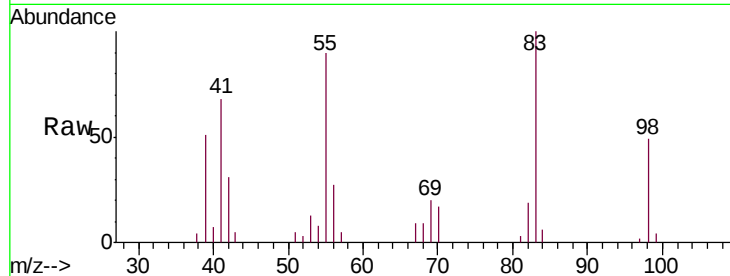




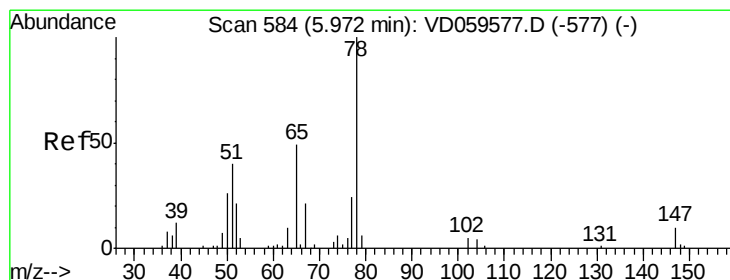
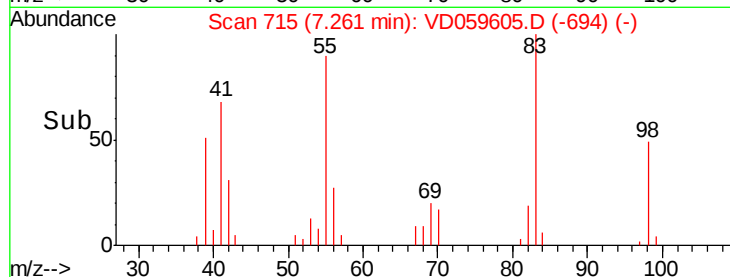
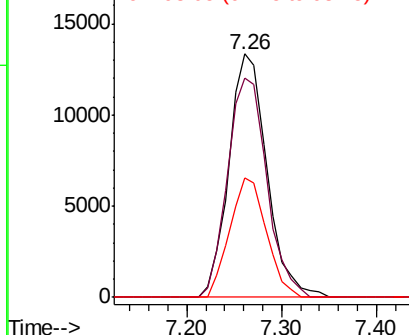
#39
Methvlcvclohexane
Concen: 21.79 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion: 83 Resp: 37077
Ion Ratio Lower Upper
83 100
55 90.0 79.4 119.0
98 49.3 41.6 62.4

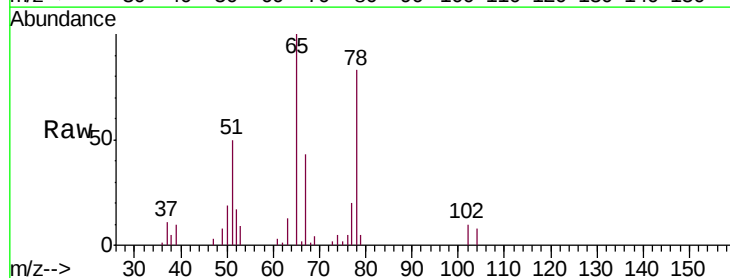


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

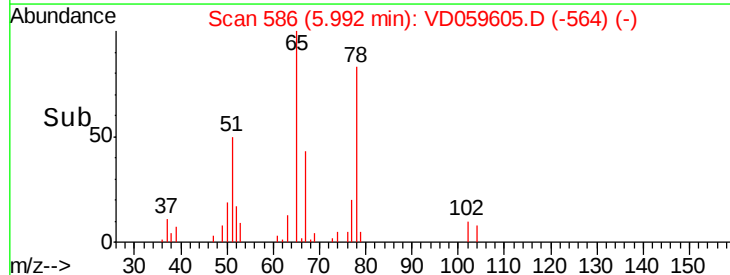
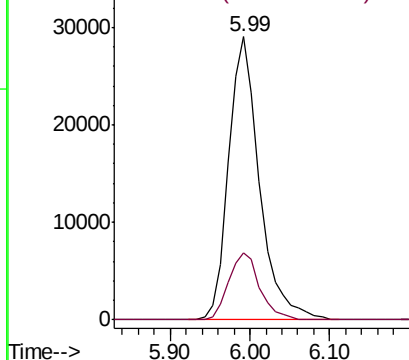


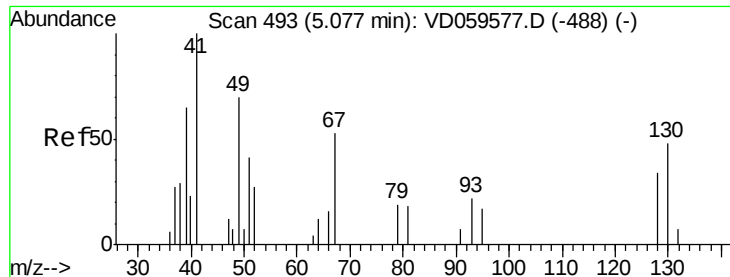
#40
Benzene
Concen: 20.69 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 78 Resp: 78520
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



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

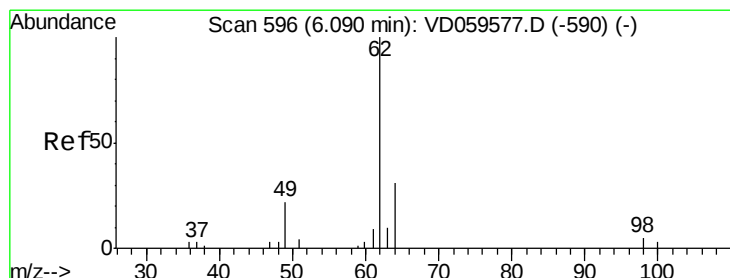
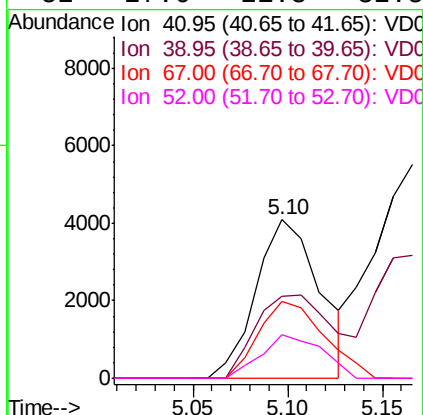
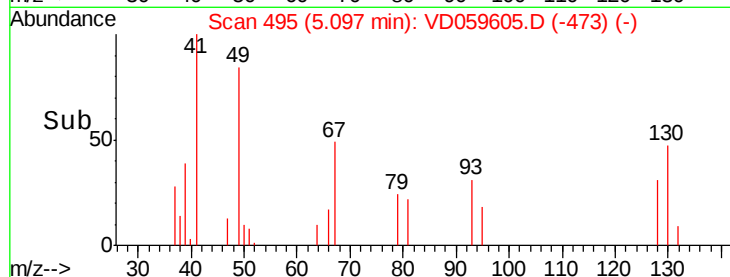
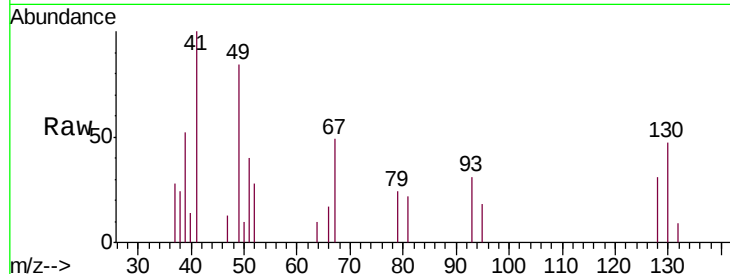




#41
Methacrylonitrile
Concen: 20.32 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

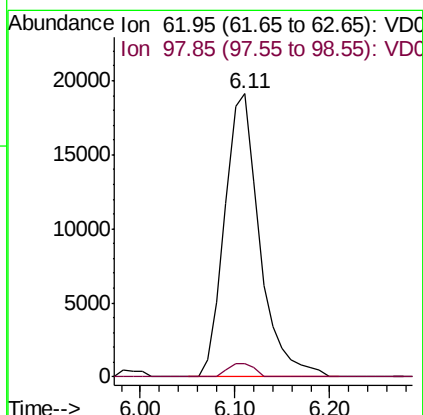
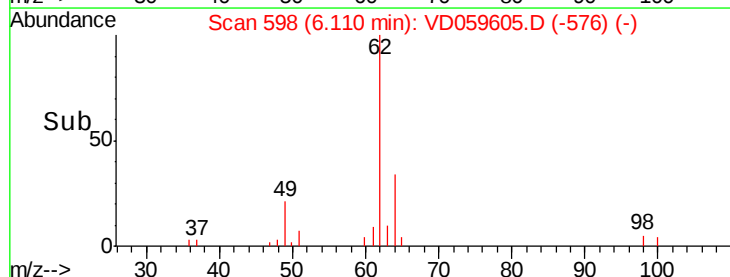
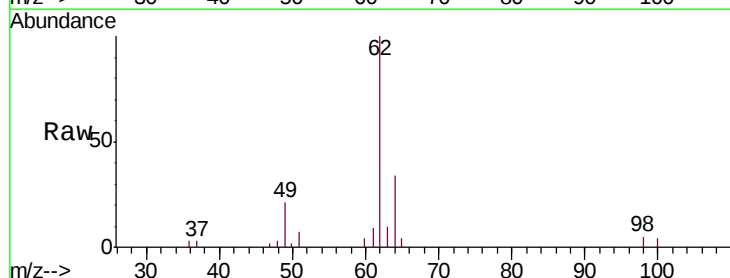
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

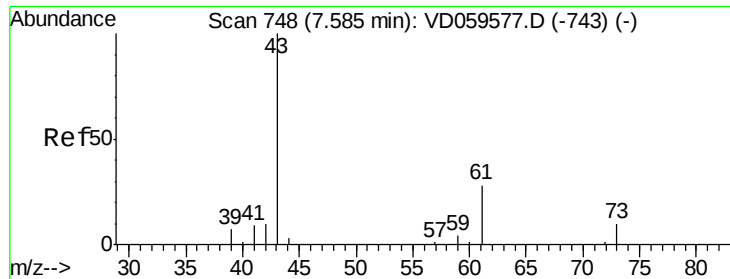
Tot Ion: 41 Resp: 9655
Ion Ratio Lower Upper
41 100
39 52.0 52.1 78.1#
67 48.6 42.5 63.7
52 27.6 21.8 32.8



#42
1,2-Dichloroethane
Concen: 21.45 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 62 Resp: 49033
Ion Ratio Lower Upper
62 100
98 4.8 0.0 10.2



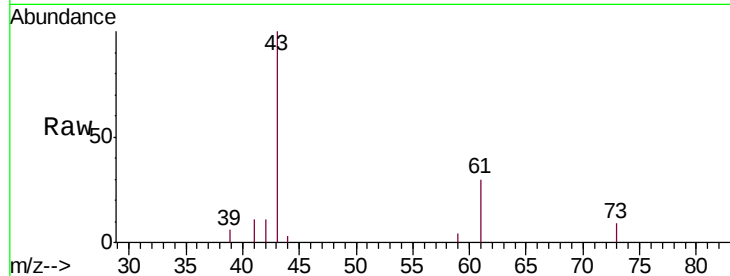


#43

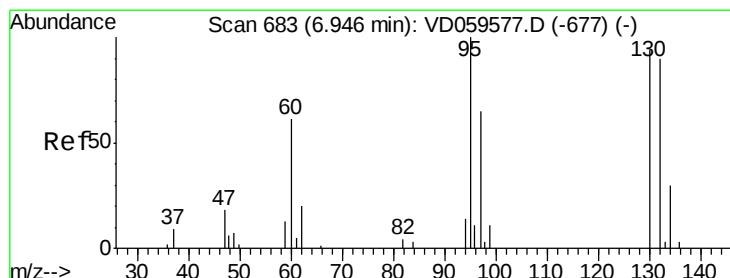
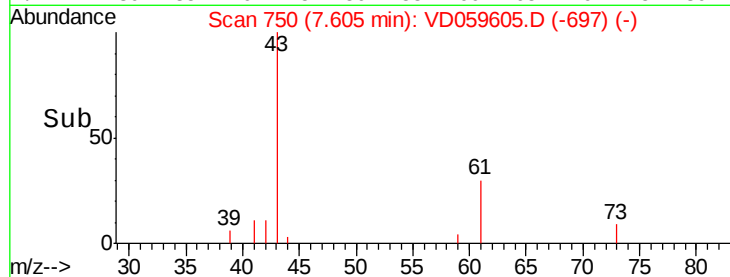
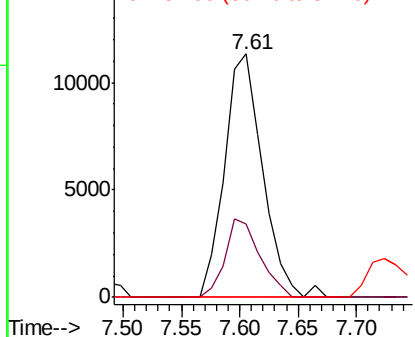
Isopropyl Acetate
 Concen: 19.45 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion: 43 Resp: 25678
 Ion Ratio Lower Upper
 43 100
 61 30.0 22.0 33.0
 87 0.0 0.0 0.0



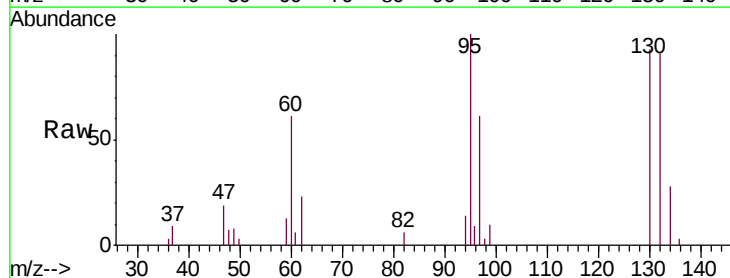
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



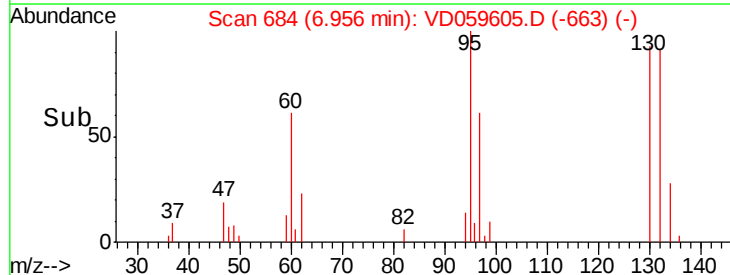
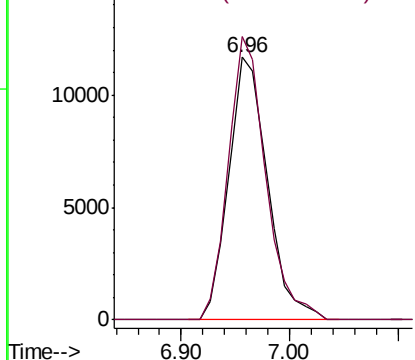
#44

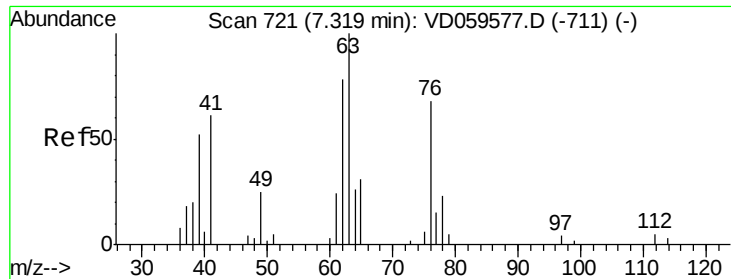
Trichloroethene
 Concen: 21.19 ug/l
 RT: 6.96 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 130 Resp: 29161
 Ion Ratio Lower Upper
 130 100
 95 107.8 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

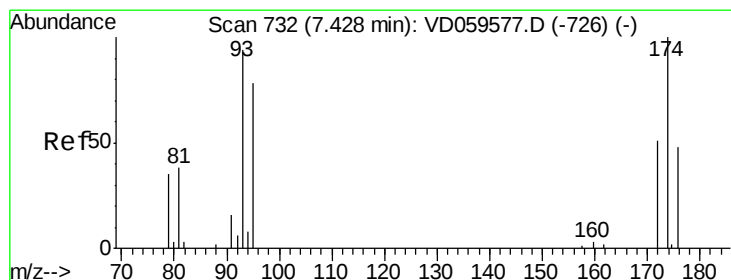
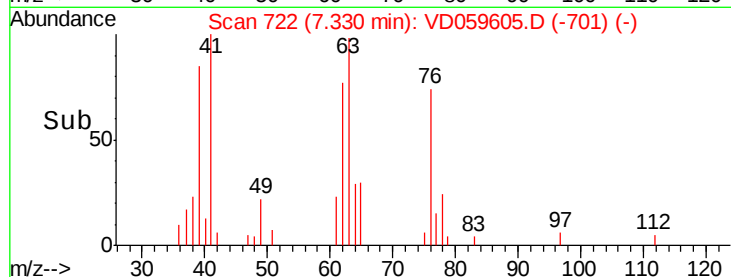
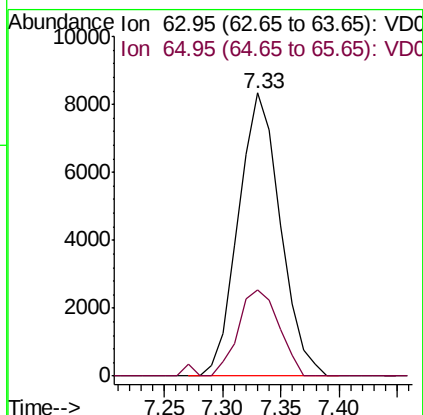
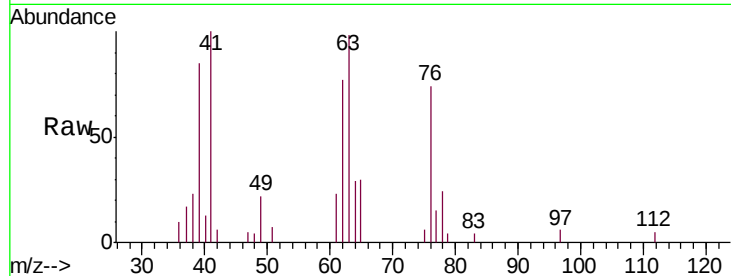
VD0726SBS01

Tot Ion: 63 Resp: 20817

Ion Ratio Lower Upper

63 100

65 30.3 24.9 37.3



#46

Dibromomethane

Concen: 21.26 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

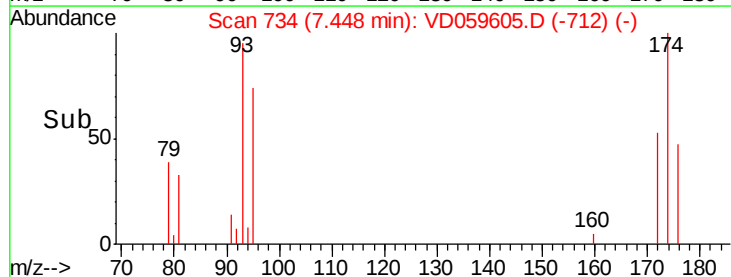
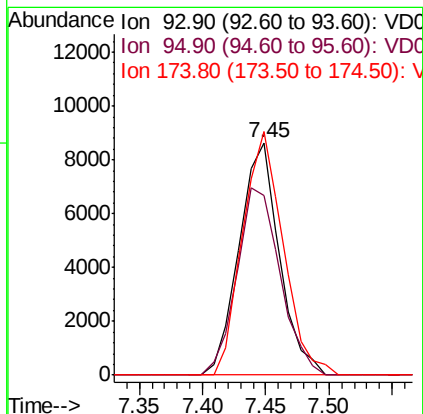
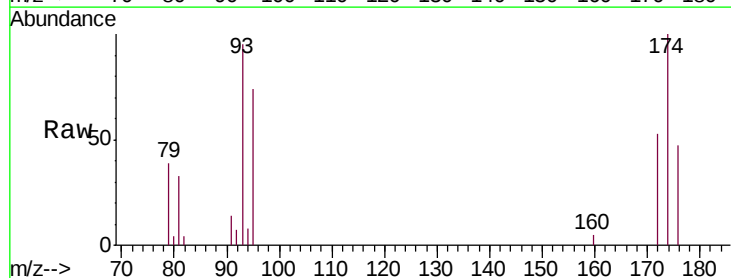
Tgt Ion: 93 Resp: 19096

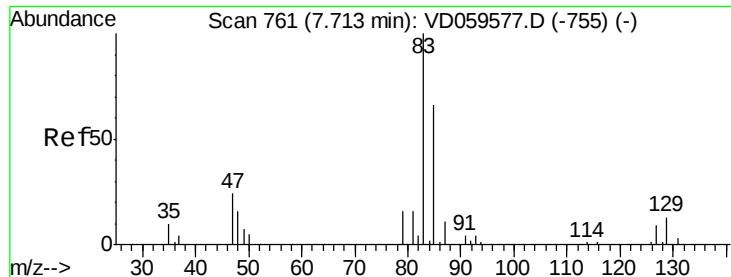
Ion Ratio Lower Upper

93 100

95 77.4 65.8 98.8

174 104.8 84.7 127.1





#47

Bromodichloromethane

Concen: 21.70 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

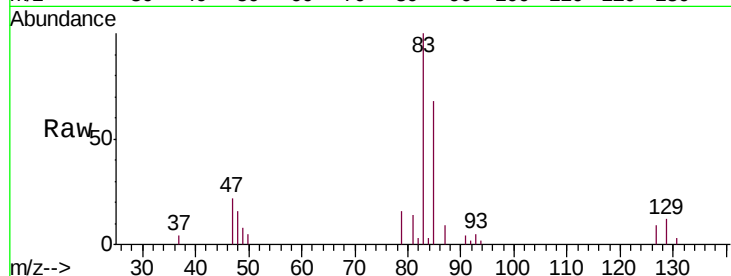
Tot Ion: 83 Resp: 46546

Ion Ratio Lower Upper

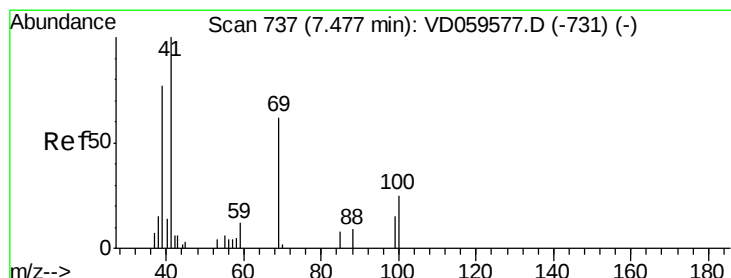
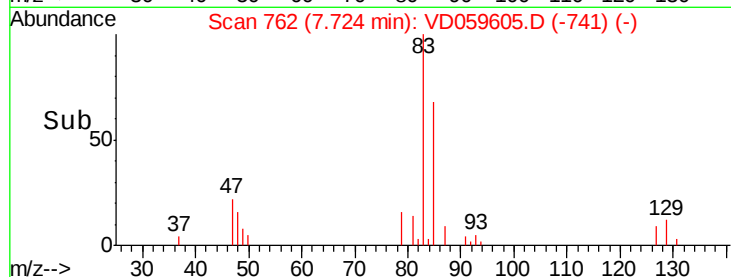
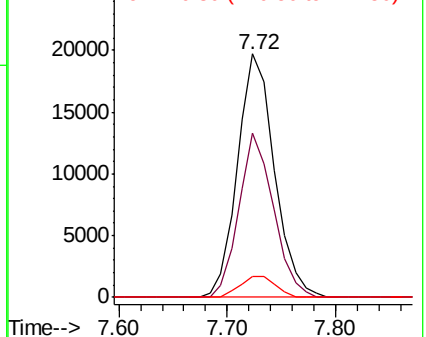
83 100

85 67.7 53.1 79.7

127 8.6 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: 21.20 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

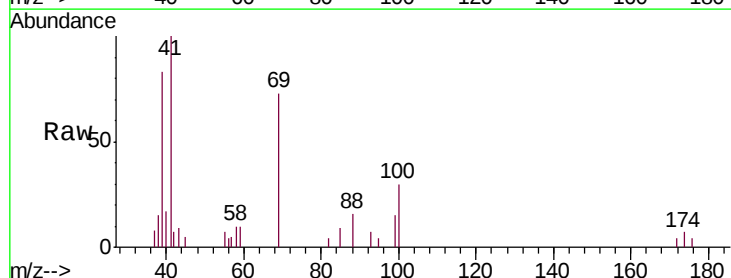
Tgt Ion: 41 Resp: 18557

Ion Ratio Lower Upper

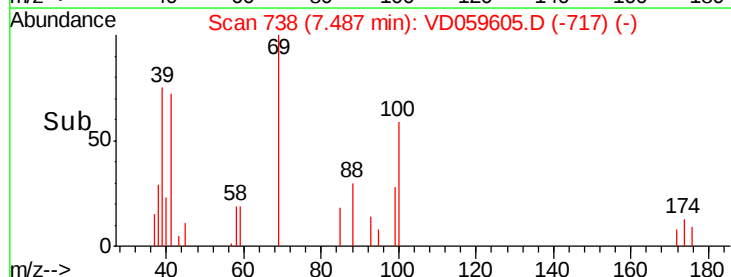
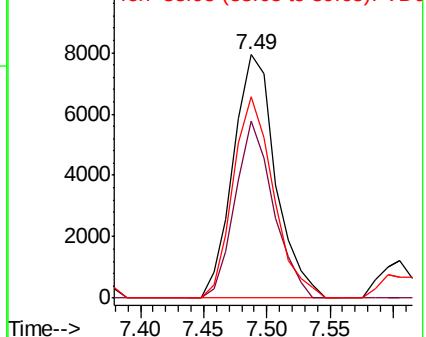
41 100

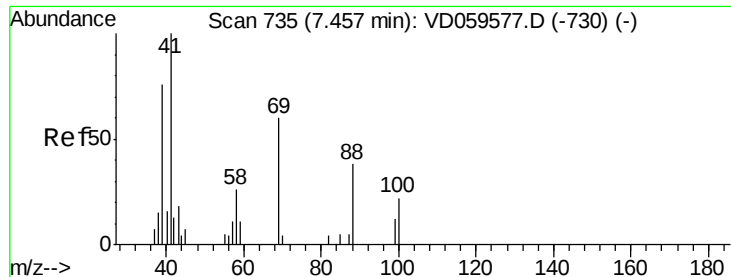
69 72.9 49.4 74.0

39 82.6 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

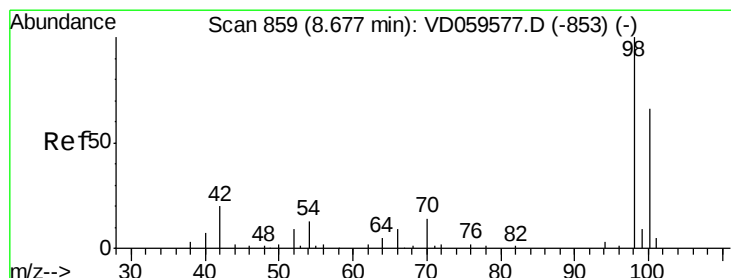
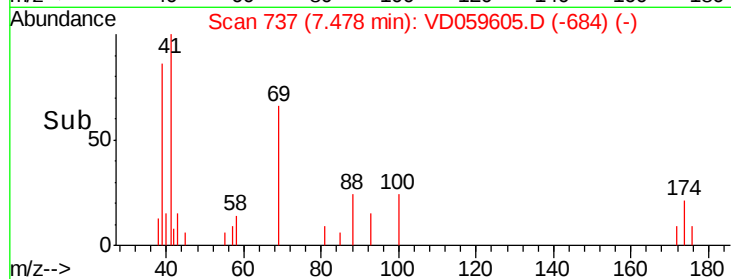
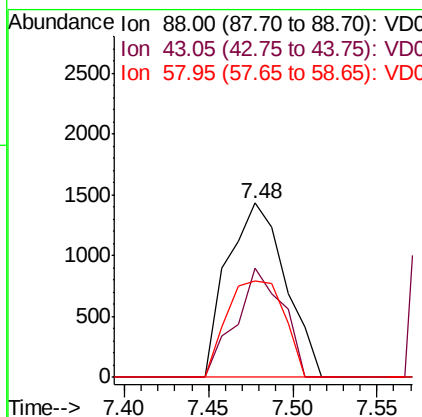
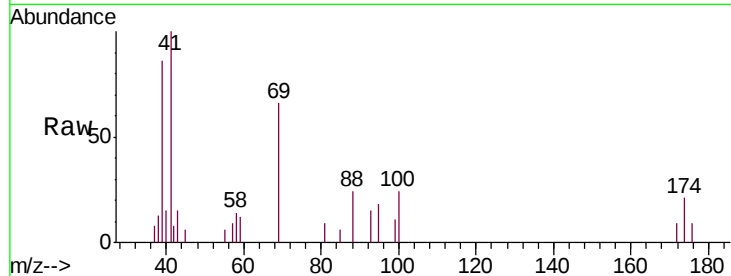




#49
1,4-Dioxane
Concen: 430.46 ug/l
RT: 7.48 min Scan# 737
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

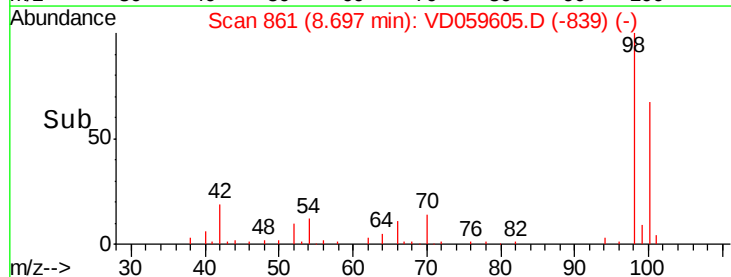
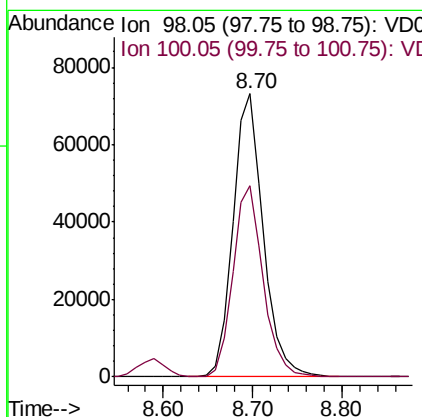
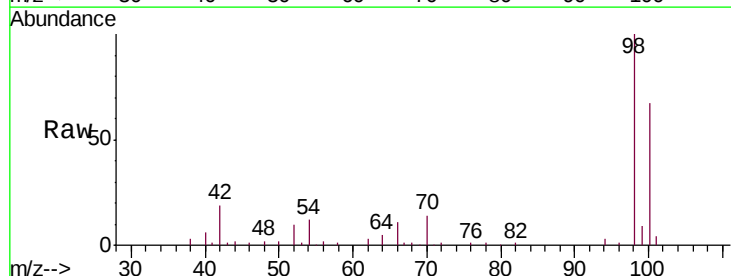
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

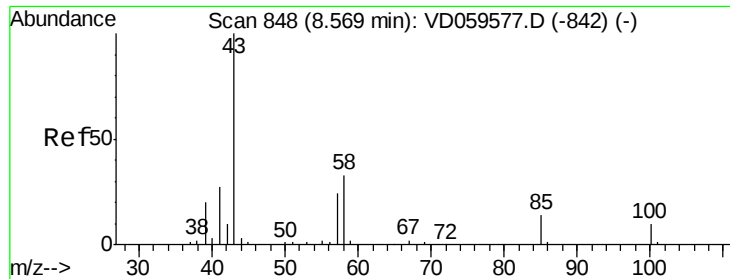
Tot Ion: 88 Resp: 3419
Ion Ratio Lower Upper
88 100
43 62.9 37.4 56.2#
58 55.4 55.6 83.4#



#50
Toluene-d8
Concen: 430.46 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 98 Resp: 172552
Ion Ratio Lower Upper
98 100
100 67.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 99.04 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

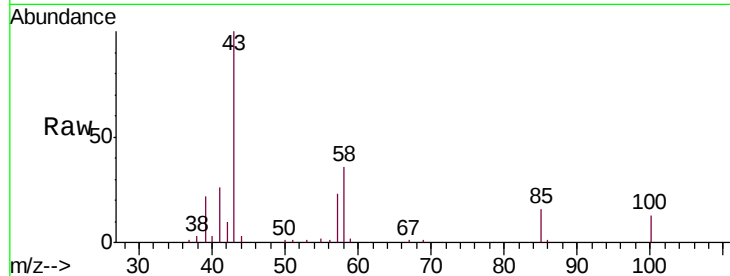
VD0726SBS01

Tot Ion: 43 Resp: 87294

Ion Ratio Lower Upper

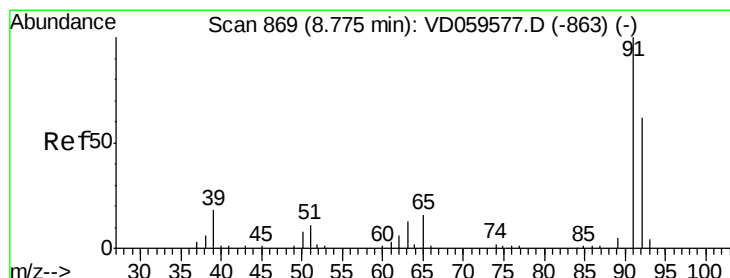
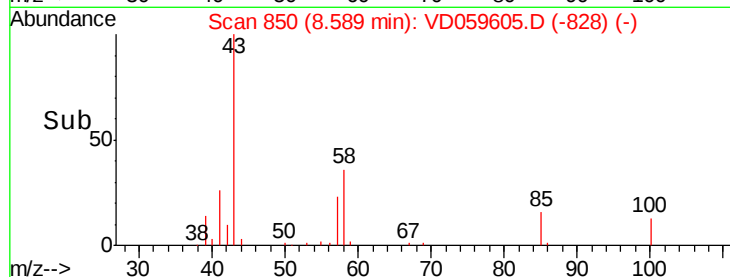
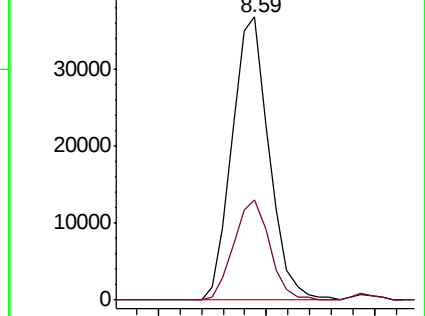
43 100

58 35.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.32 ug/l

RT: 8.79 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059605.D

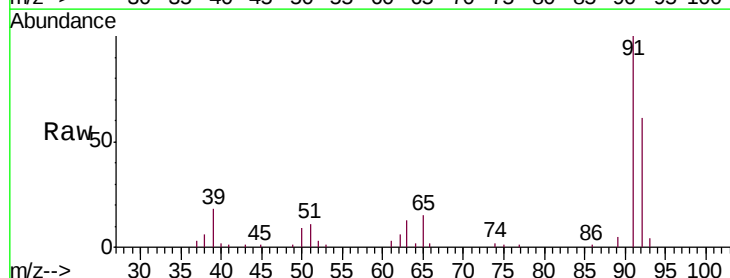
Acq: 26 Jul 2018 15:14

Tgt Ion: 92 Resp: 53654

Ion Ratio Lower Upper

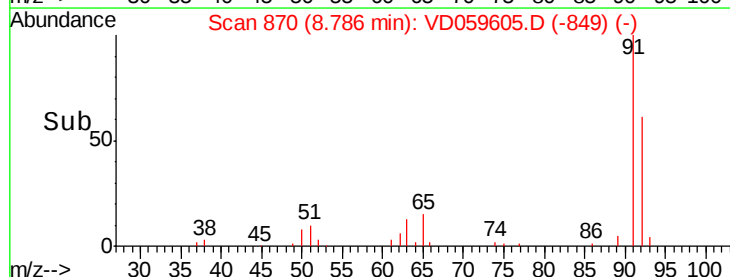
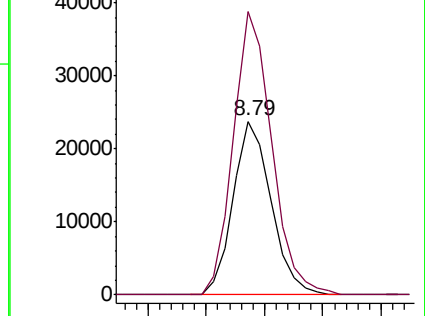
92 100

91 163.0 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

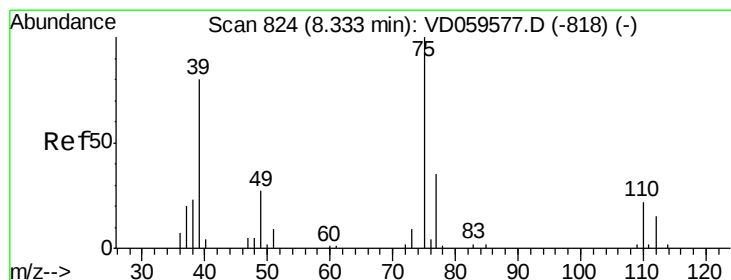
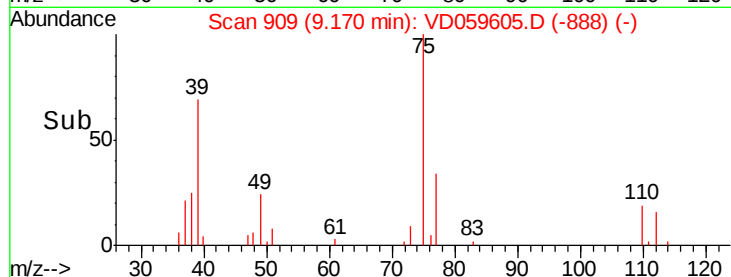
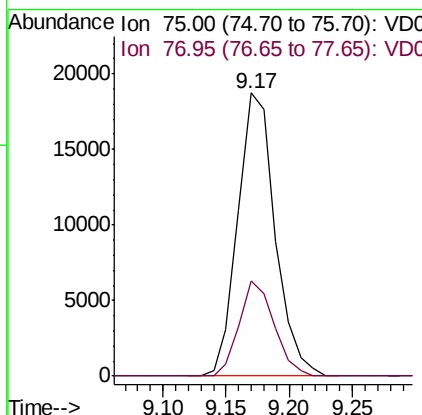
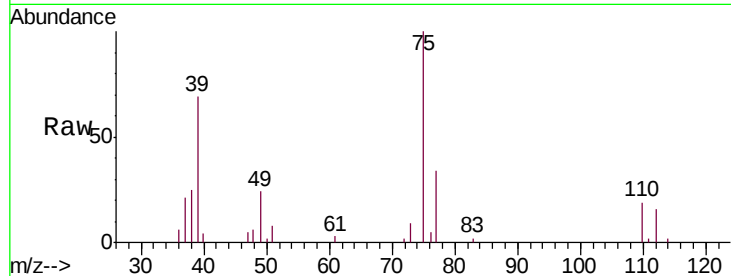




#53
 t-1,3-Dichloropropene
 Concen: 19.84 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

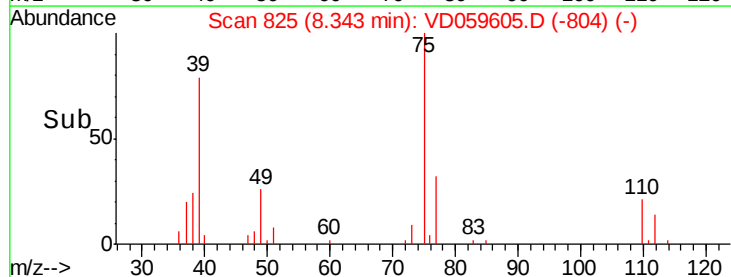
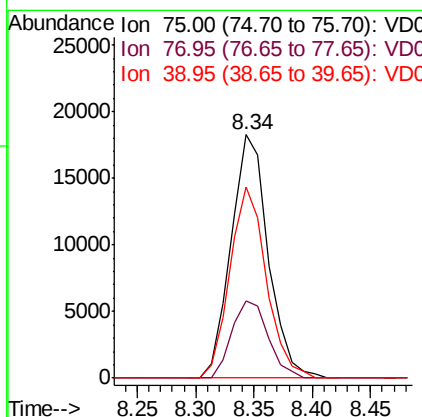
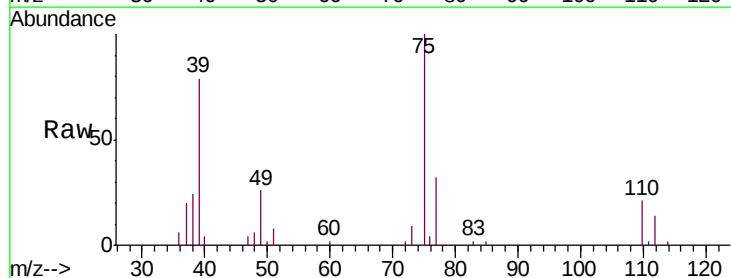
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

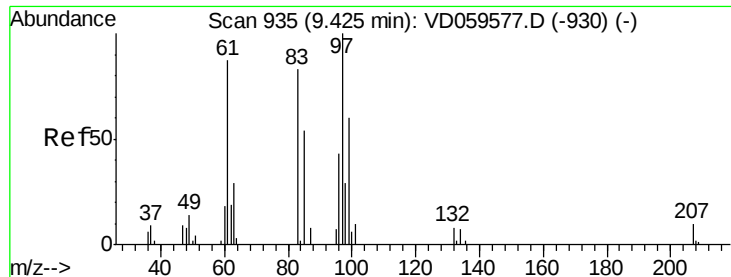
Tot Ion: 75 Resp: 38387
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.02 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 75 Resp: 40383
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.7 41.5
 39 78.5 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 21.15 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

Tot Ion: 97 Resp: 19993

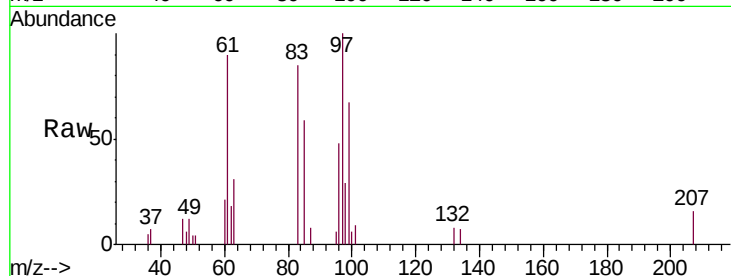
Ion Ratio Lower Upper

97 100

83 84.6 66.3 99.5

85 58.8 43.0 64.6

99 67.1 47.7 71.5

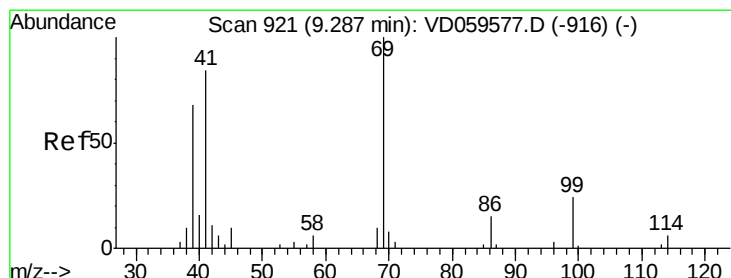
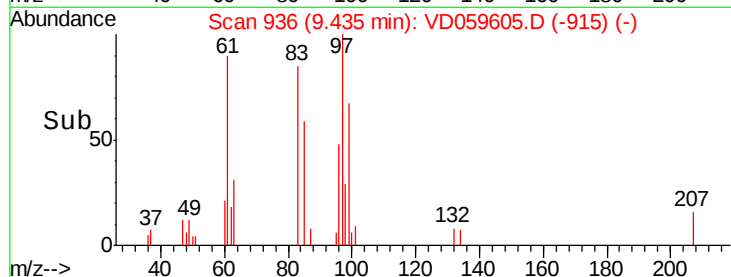
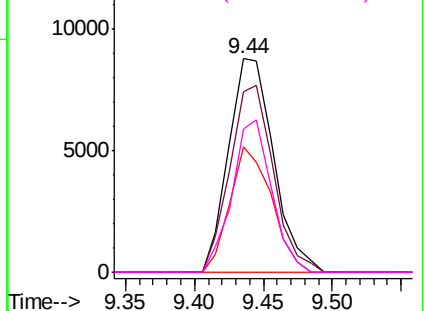


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.21 ug/l

RT: 9.30 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

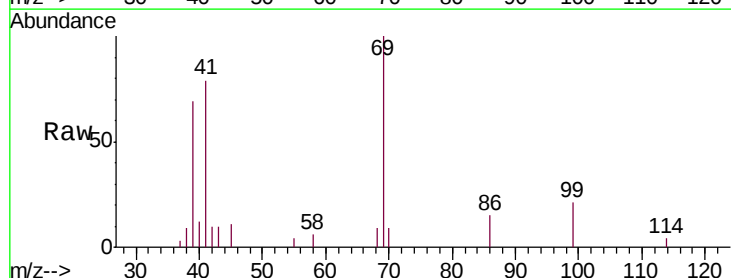
Tgt Ion: 69 Resp: 23823

Ion Ratio Lower Upper

69 100

41 79.2 66.8 100.2

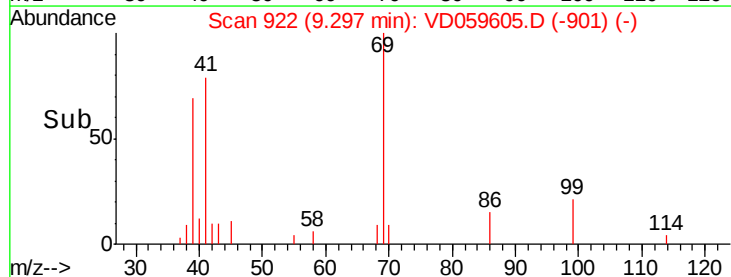
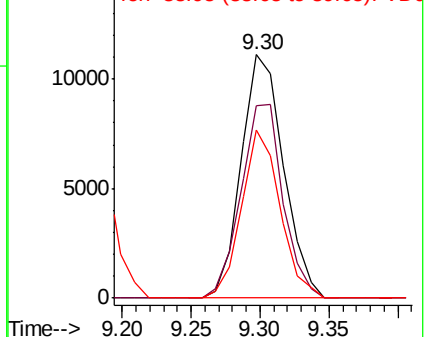
39 68.9 54.7 82.1

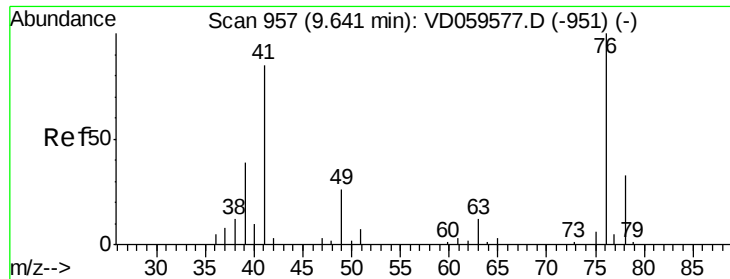


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.42 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

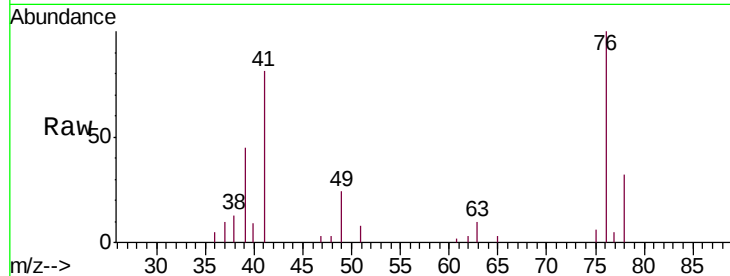
VD0726SBS01

Tot Ion: 76 Resp: 30671

Ion Ratio Lower Upper

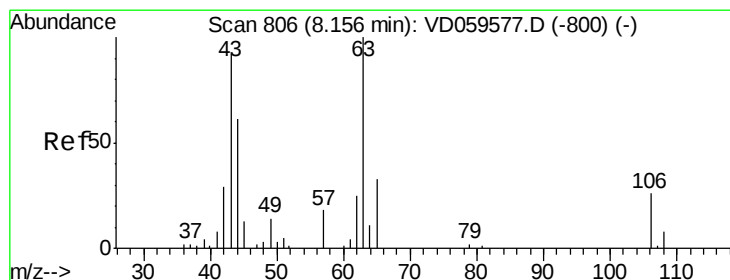
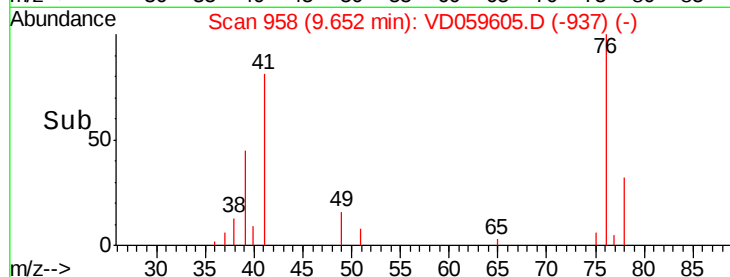
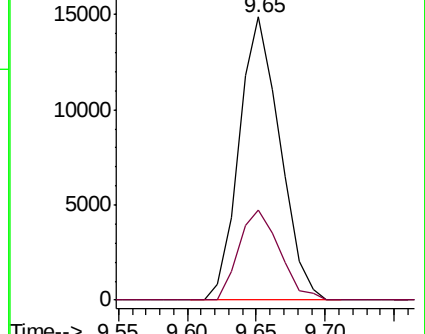
76 100

78 31.7 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: 97.23 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059605.D

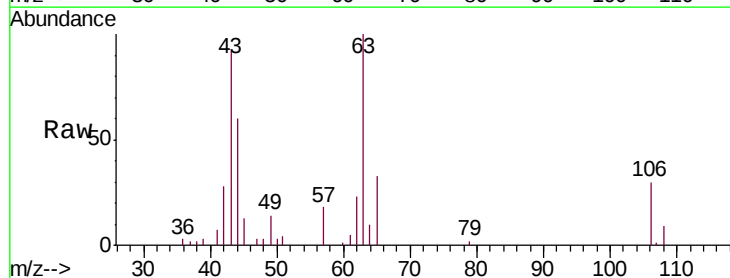
Acq: 26 Jul 2018 15:14

Tgt Ion: 63 Resp: 49002

Ion Ratio Lower Upper

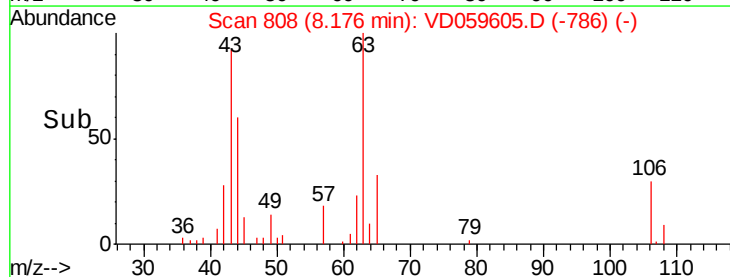
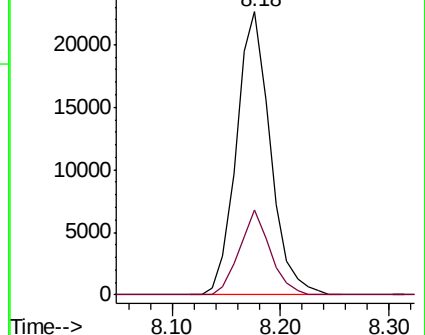
63 100

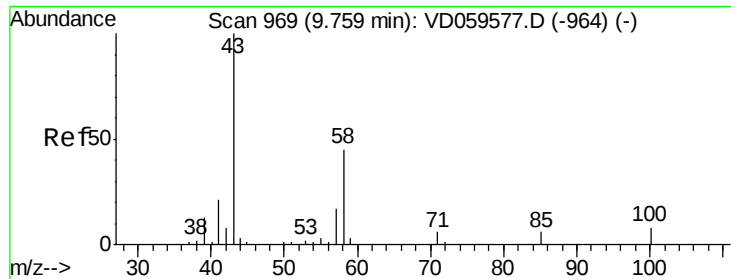
106 29.8 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

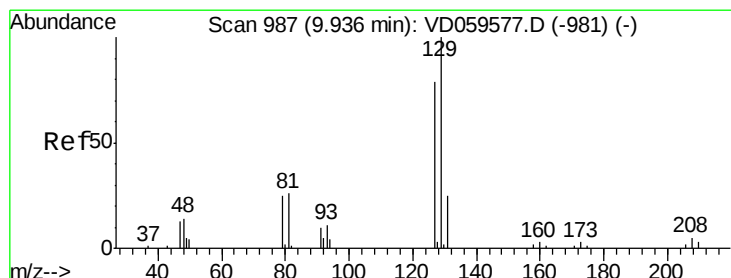
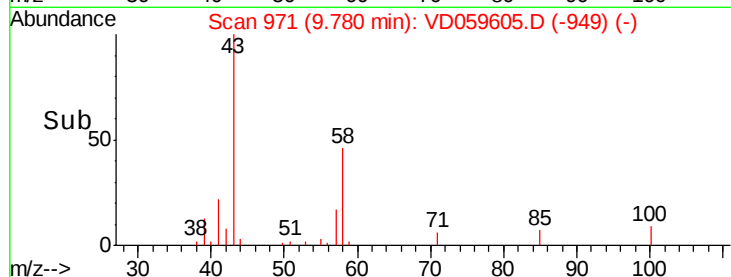
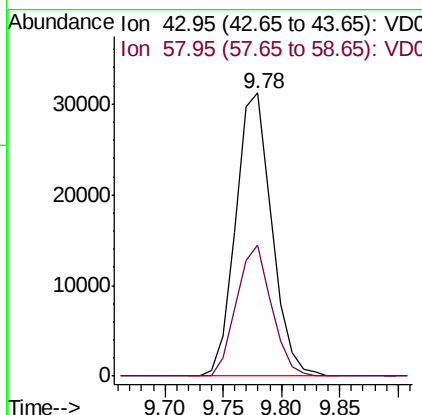
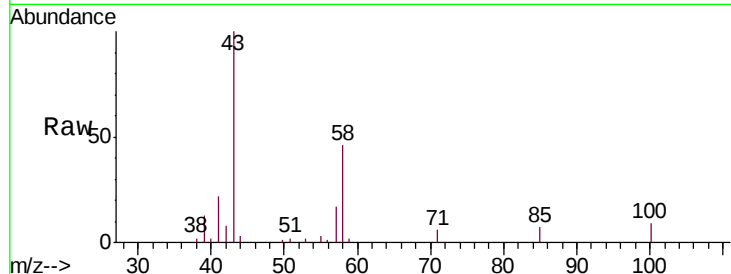




#59
2-Hexanone
Concen: 95.46 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

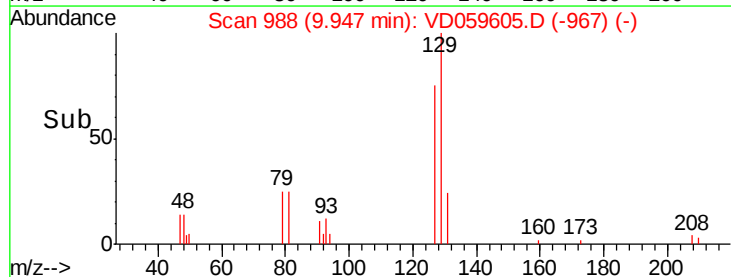
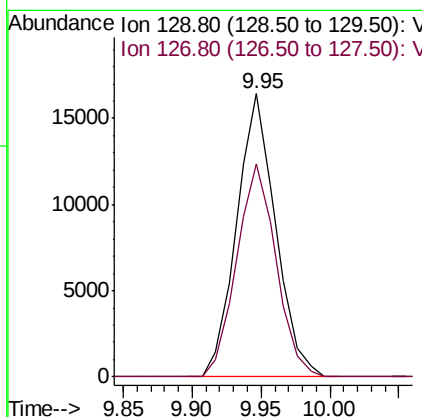
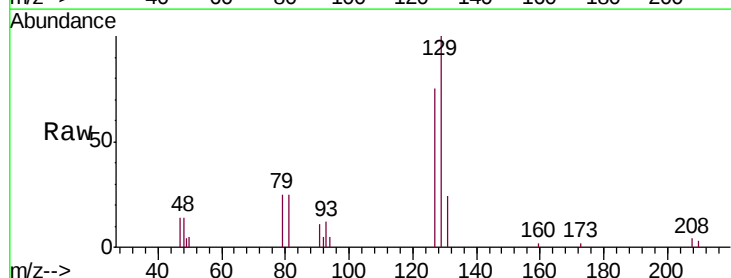
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

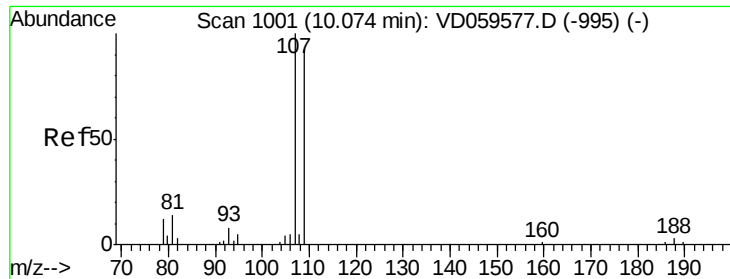
Tot Ion: 43 Resp: 66832
Ion Ratio Lower Upper
43 100
58 46.5 22.7 68.1



#60
Dibromochloromethane
Concen: 20.56 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion:129 Resp: 32264
Ion Ratio Lower Upper
129 100
127 75.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 21.02 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

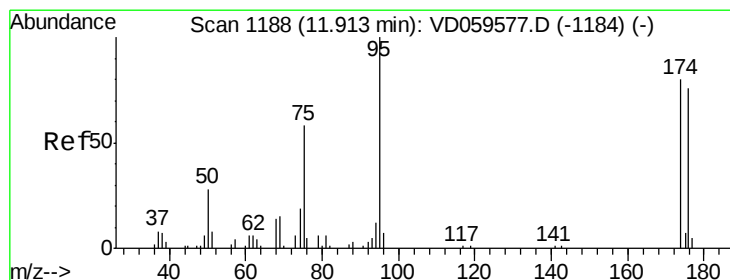
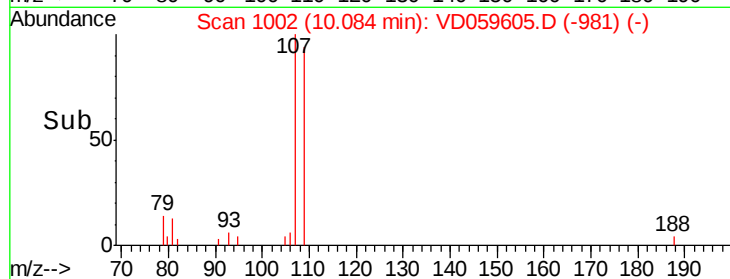
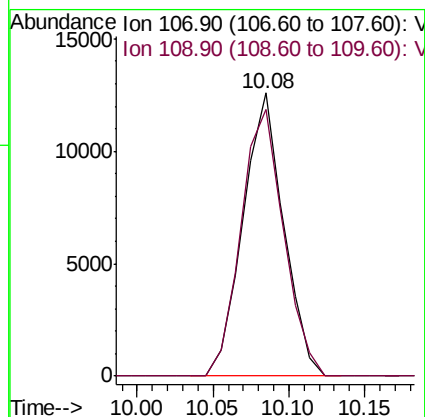
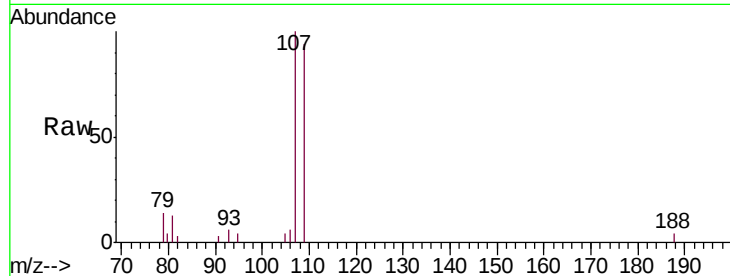
VD0726SBS01

Tot Ion:107 Resp: 23543

Ion Ratio Lower Upper

107 100

109 94.4 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 21.02 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

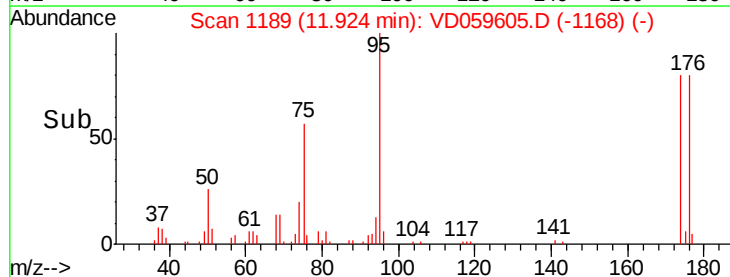
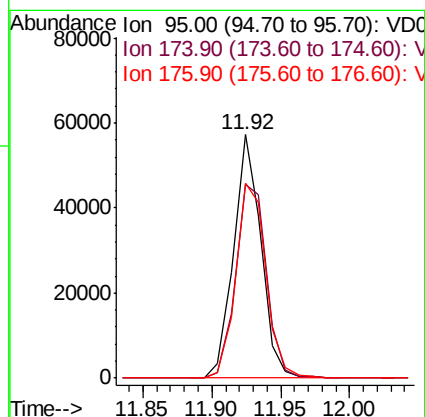
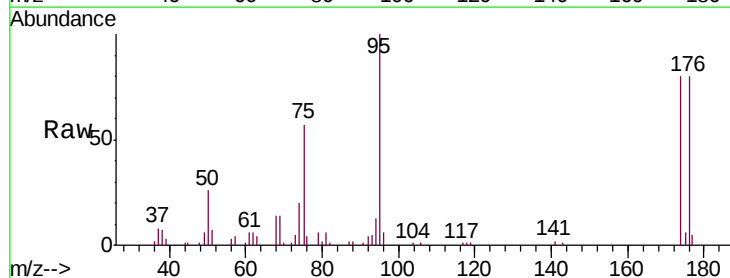
Tgt Ion: 95 Resp: 79082

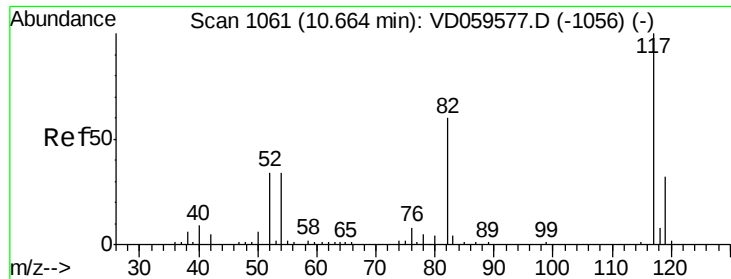
Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.6

176 79.8 0.0 152.8

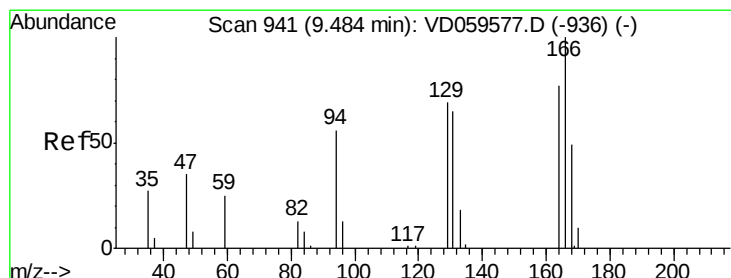
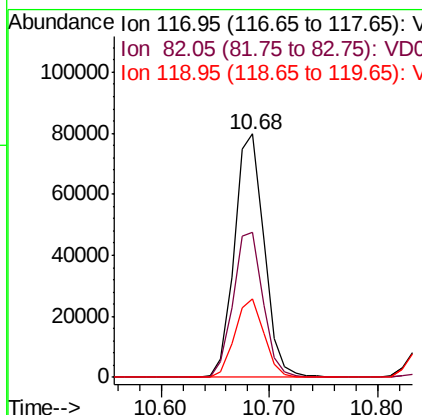
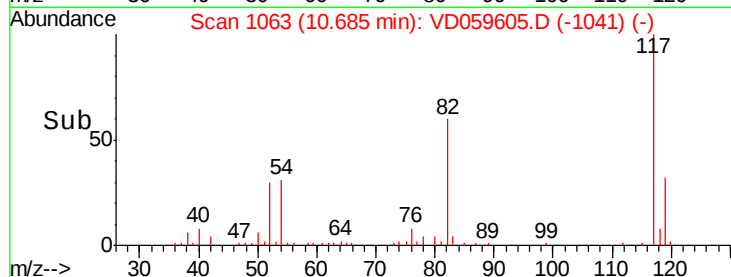
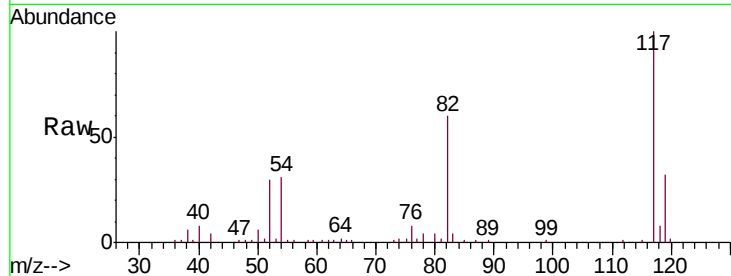




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

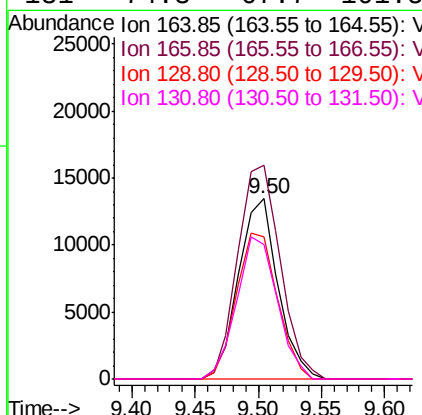
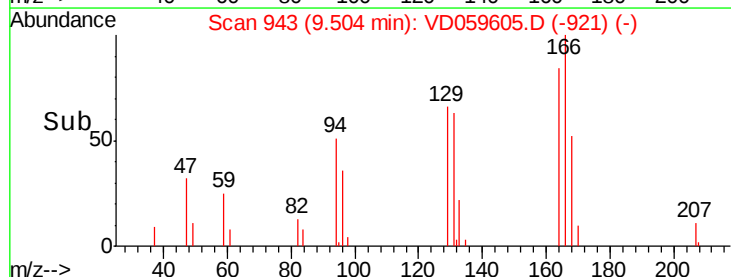
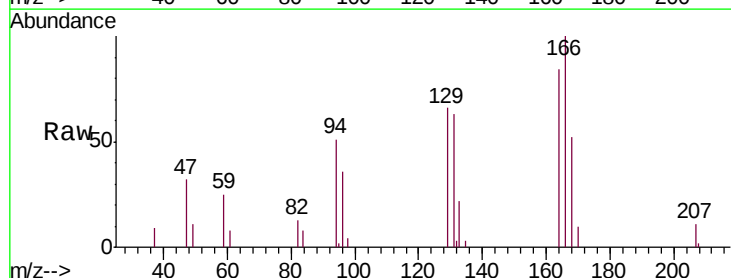
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

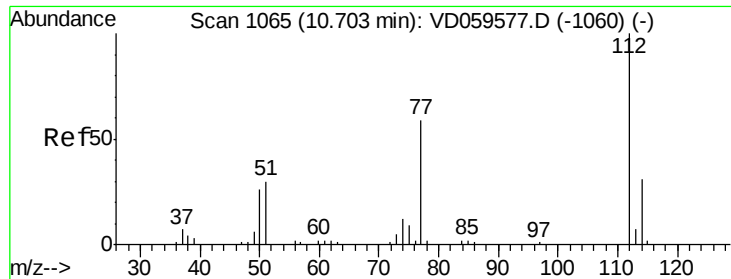
Tot Ion:117 Resp: 151729
Ion Ratio Lower Upper
117 100
82 59.5 48.2 72.2
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 21.40 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion:164 Resp: 29422
Ion Ratio Lower Upper
164 100
166 118.4 104.0 156.0
129 78.6 72.2 108.4
131 74.3 67.7 101.5

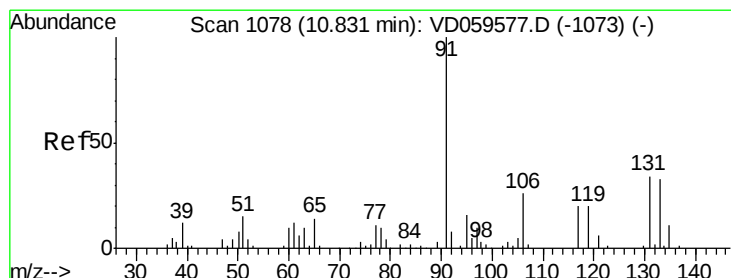
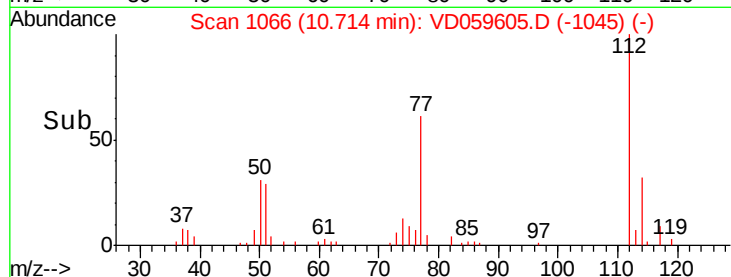
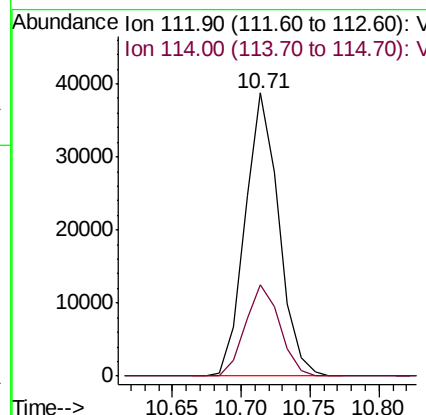
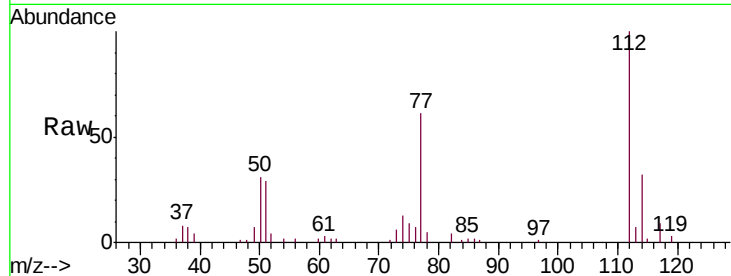




#65
Chlorobenzene
Concen: 21.15 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

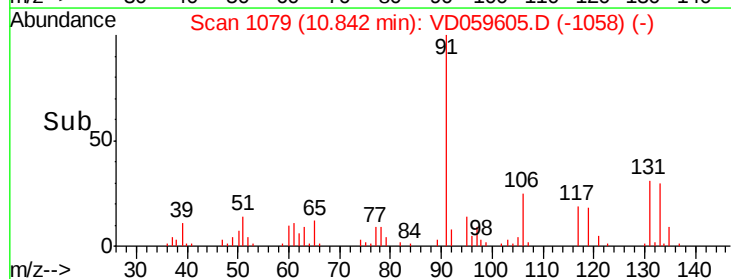
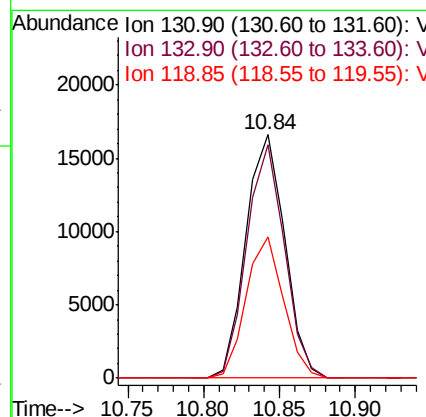
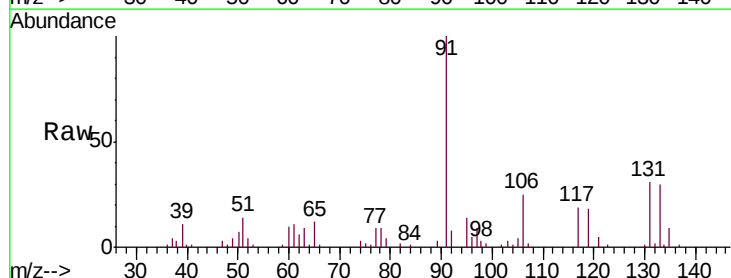
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

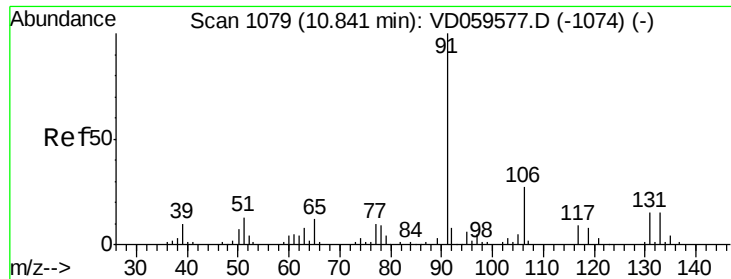
Tot Ion:112 Resp: 65779
Ion Ratio Lower Upper
112 100
114 32.2 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.95 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion:131 Resp: 29702
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.7
119 58.0 28.7 86.1

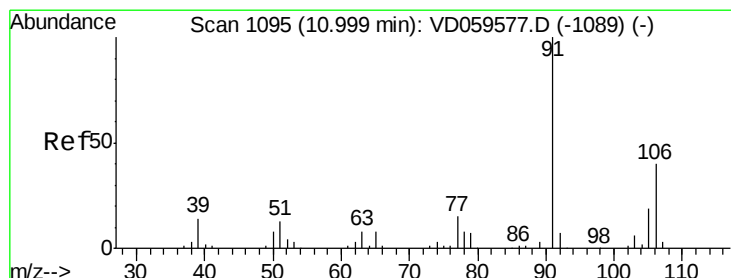
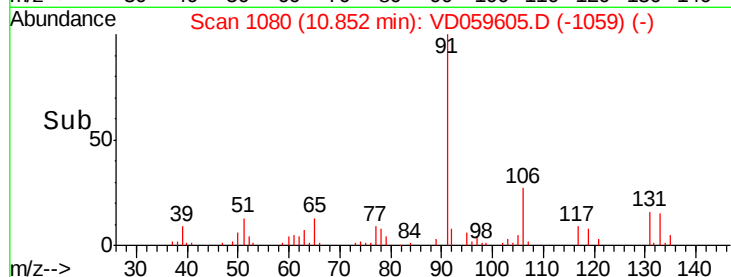
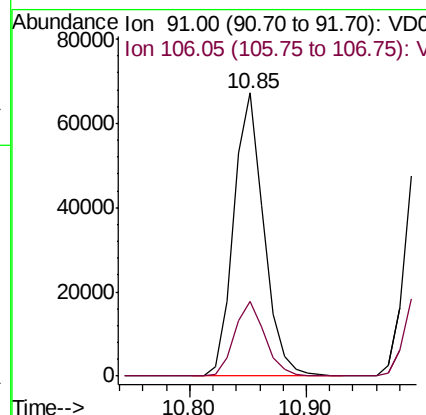
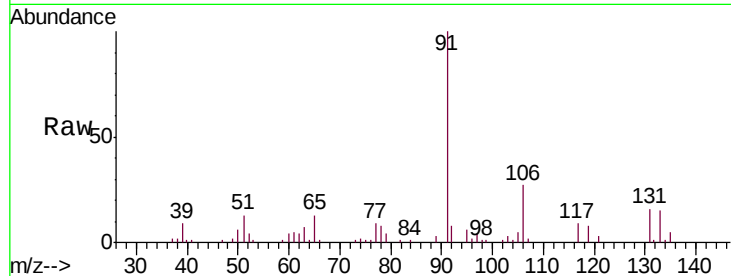




#67
Ethyl Benzene
Concen: 22.41 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

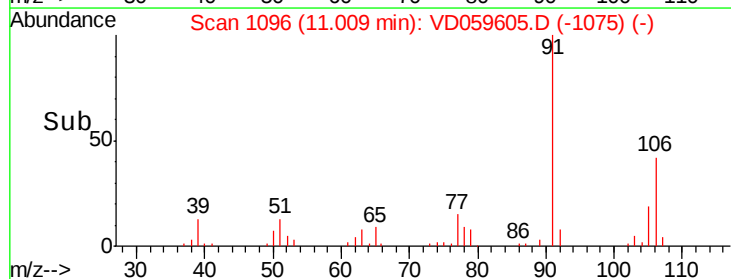
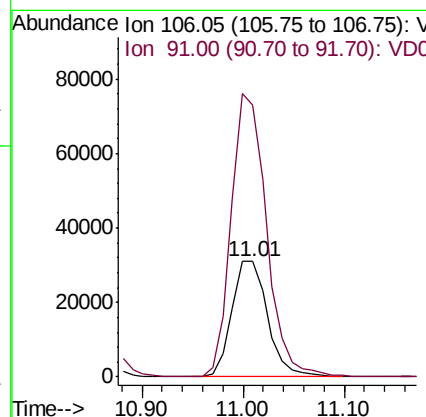
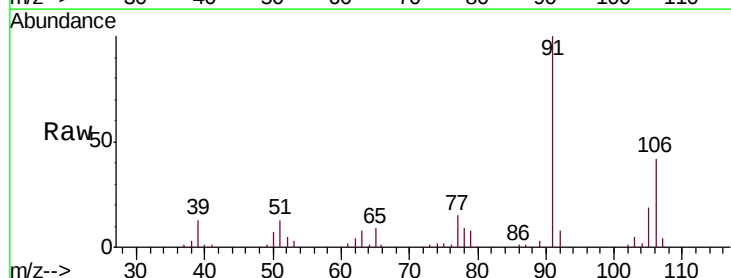
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion: 91 Resp: 119795
Ion Ratio Lower Upper
91 100
106 26.6 21.6 32.4



#68
m/p-Xylenes
Concen: 42.62 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 106 Resp: 76105
Ion Ratio Lower Upper
106 100
91 235.5 198.2 297.4

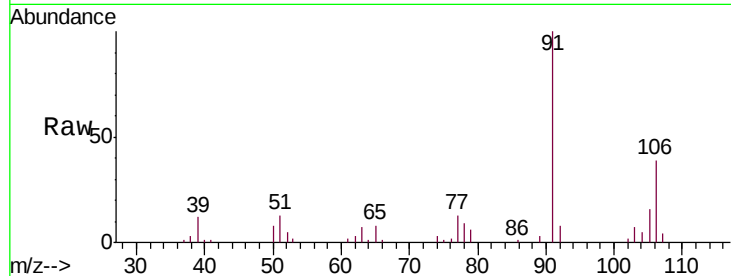




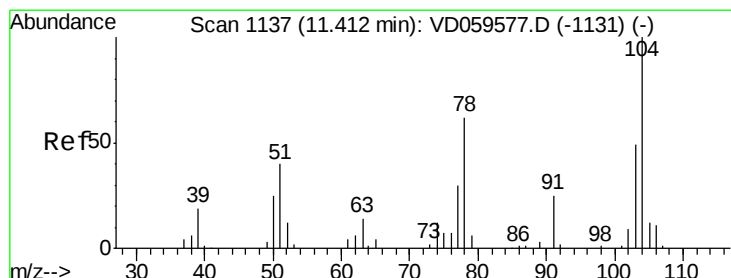
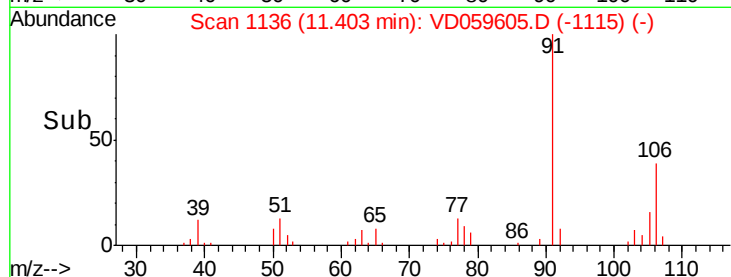
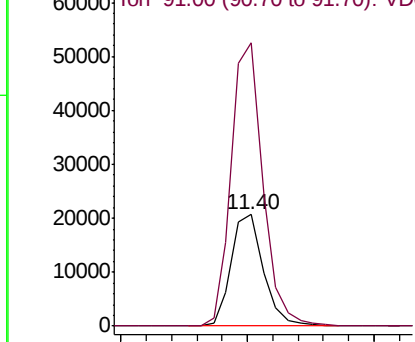
#69
o-Xylene
Concen: 21.12 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleID :
VD0726SBS01

Tot Ion:106 Resp: 36589
Ion Ratio Lower Upper
106 100
91 253.7 122.7 368.1

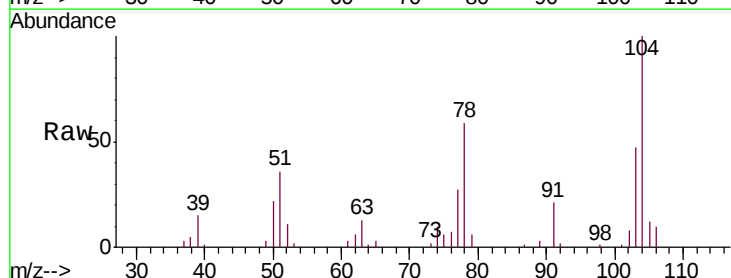


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

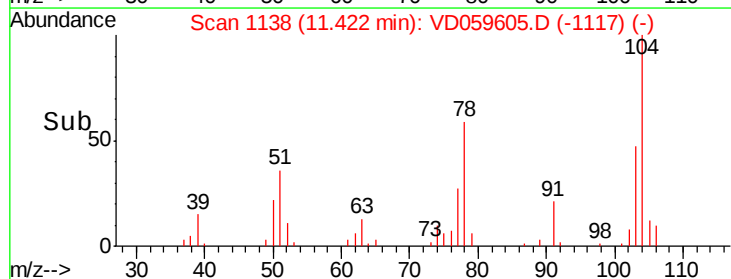
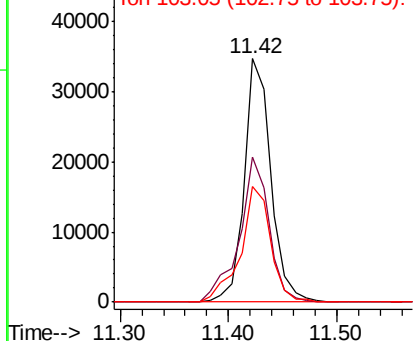


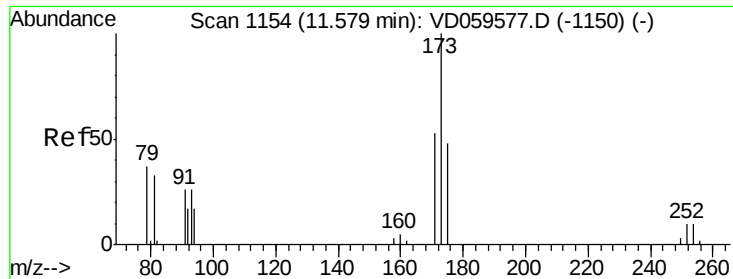
#70
Styrene
Concen: 20.57 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion:104 Resp: 59099
Ion Ratio Lower Upper
104 100
78 59.5 49.4 74.0
103 47.4 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: 18.83 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

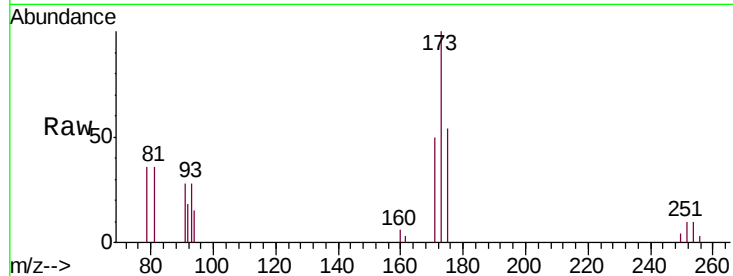
Tot Ion:173 Resp: 20750

Ion Ratio Lower Upper

173 100

175 54.3 23.8 71.4

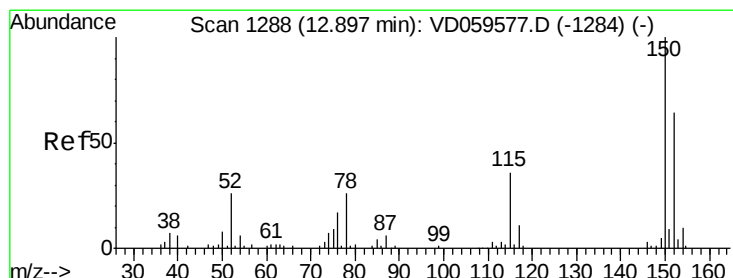
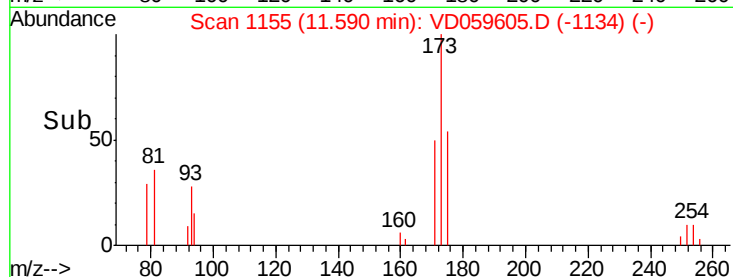
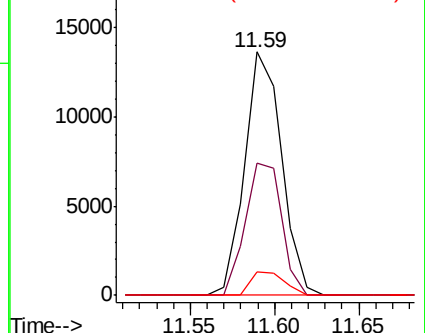
254 9.7 7.8 11.6



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: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

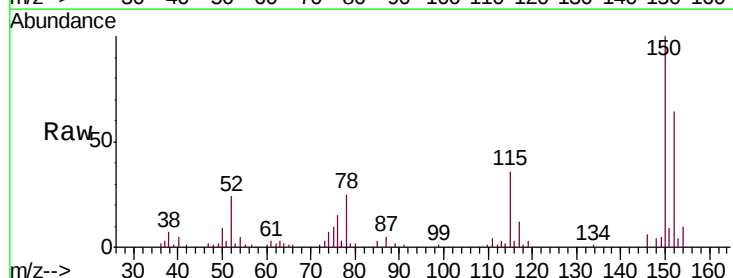
Tgt Ion:152 Resp: 74428

Ion Ratio Lower Upper

152 100

115 56.7 29.5 88.6

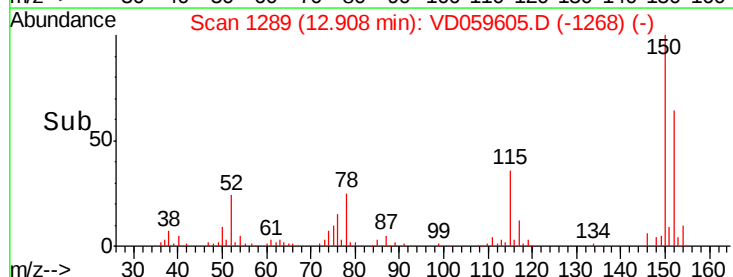
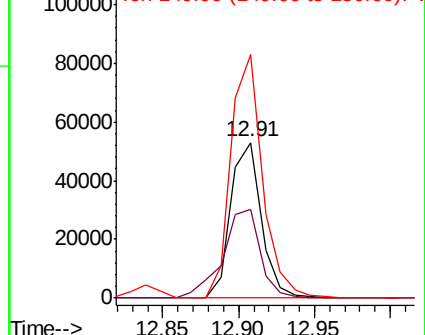
150 156.5 0.0 314.4

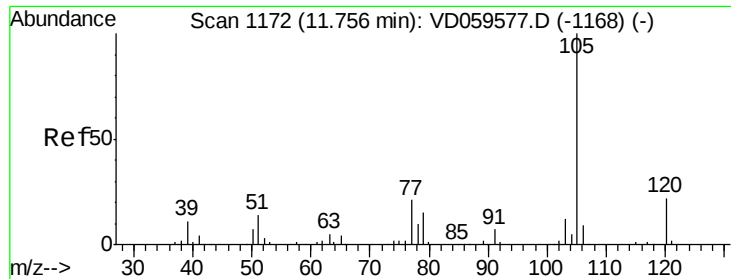


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.05 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

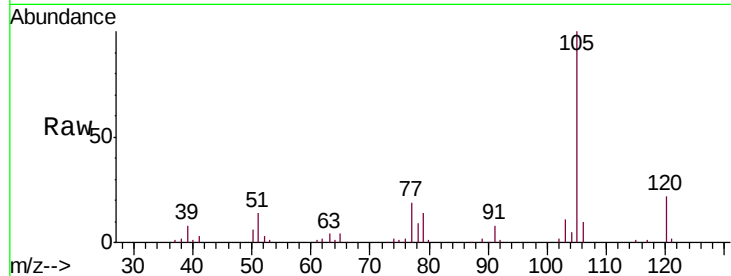
VD0726SBS01

Tot Ion:105 Resp: 110706

Ion Ratio Lower Upper

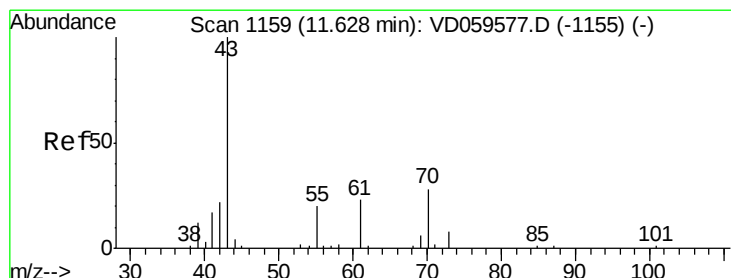
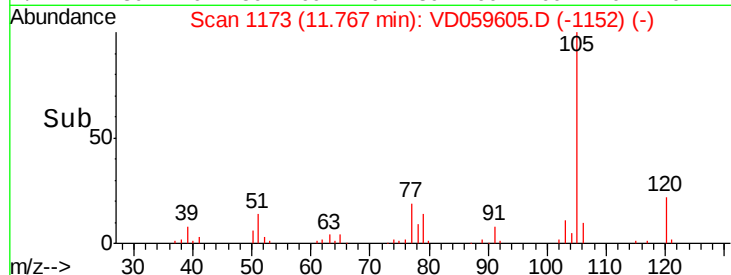
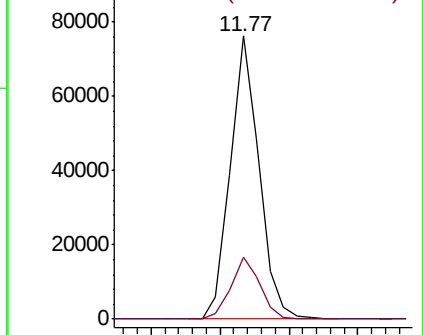
105 100

120 21.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.96 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Tgt Ion: 43 Resp: 35960

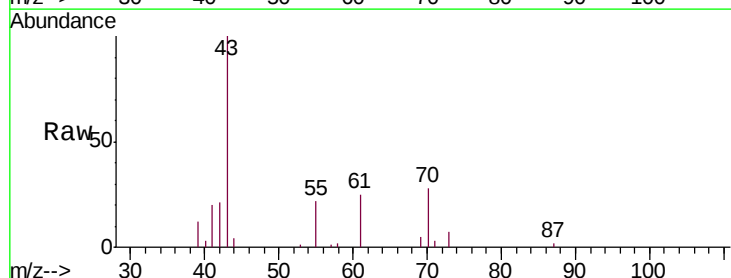
Ion Ratio Lower Upper

43 100

70 27.7 22.0 33.0

55 21.9 16.2 24.2

61 24.9 18.6 27.8

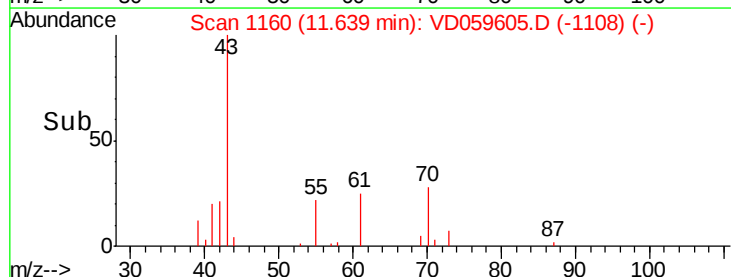
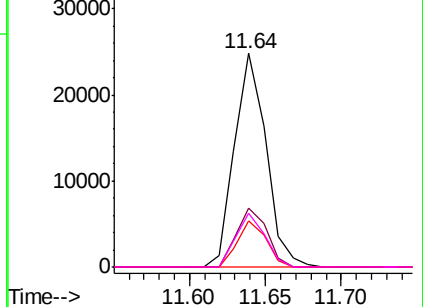


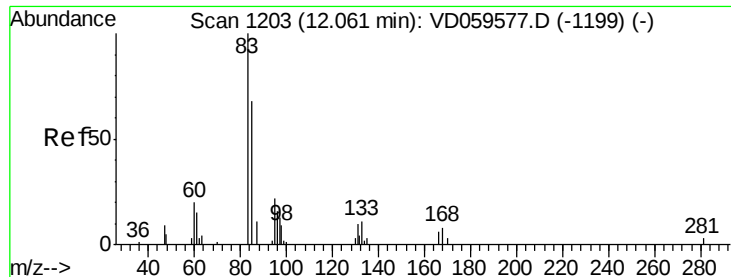
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.09 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

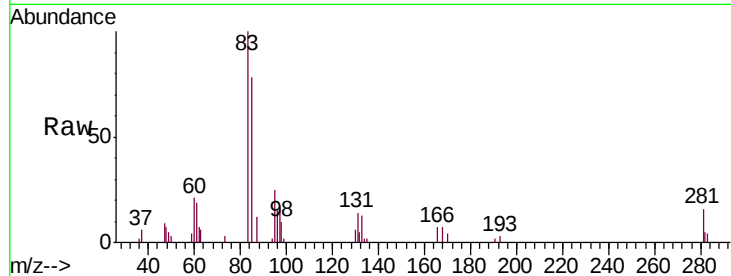
Tot Ion: 83 Resp: 20492

Ion Ratio Lower Upper

83 100

131 14.5 5.1 15.2

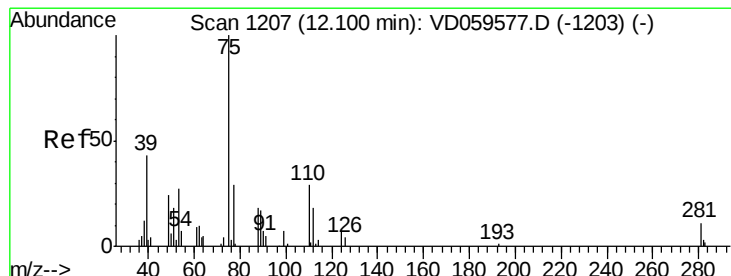
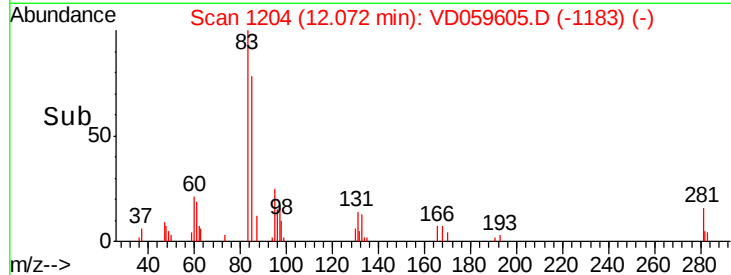
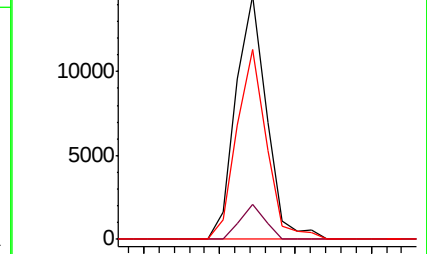
85 78.0 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.56 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059605.D

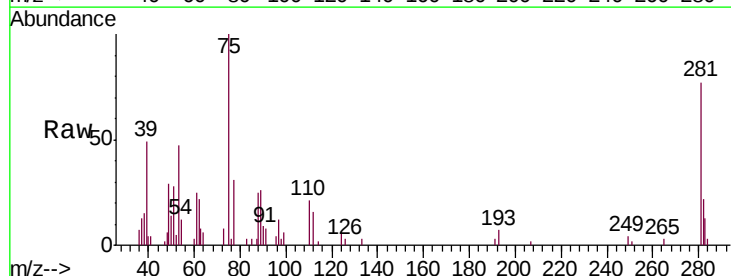
Acq: 26 Jul 2018 15:14

Tgt Ion: 75 Resp: 25311

Ion Ratio Lower Upper

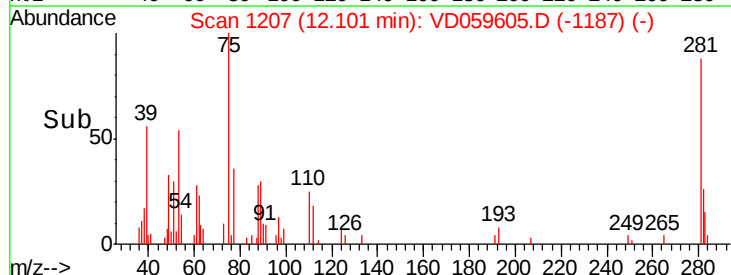
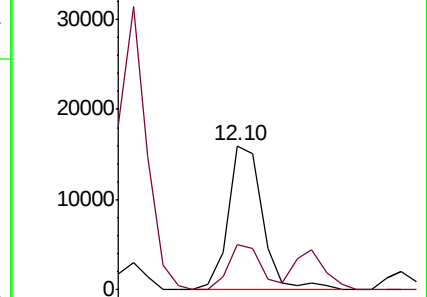
75 100

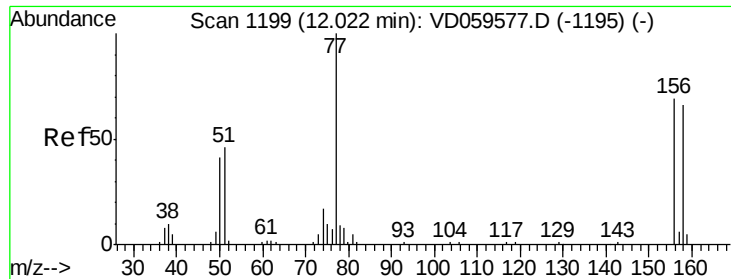
77 31.0 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

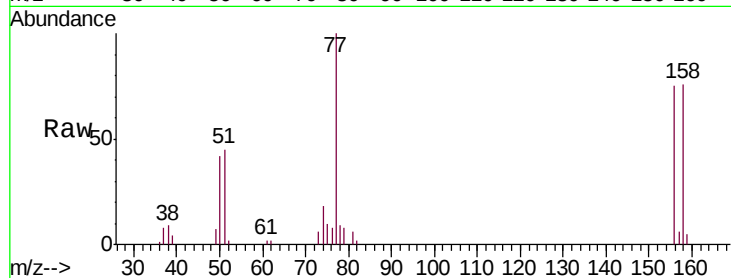




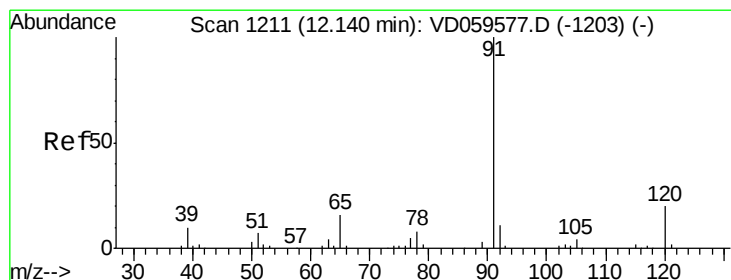
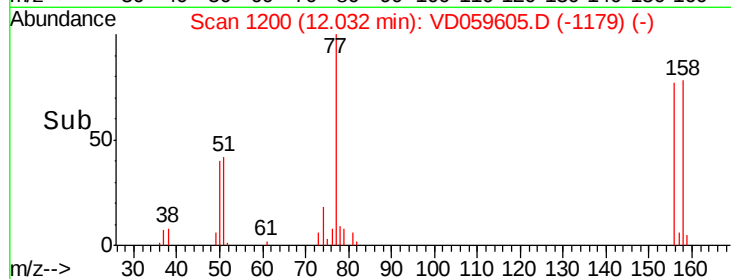
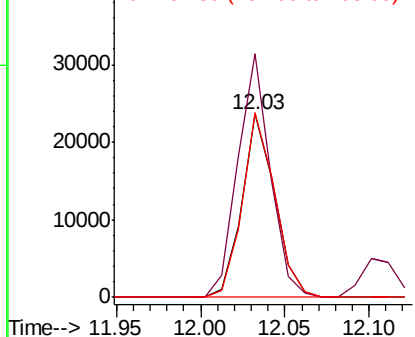
#77
Bromobenzene
Concen: 20.69 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion:156 Resp: 31850
Ion Ratio Lower Upper
156 100
77 132.8 72.4 217.2
158 100.6 48.0 144.2

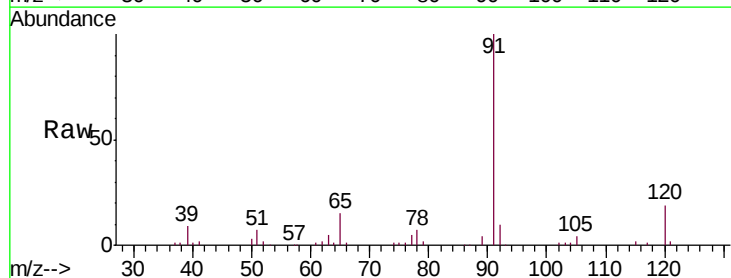


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

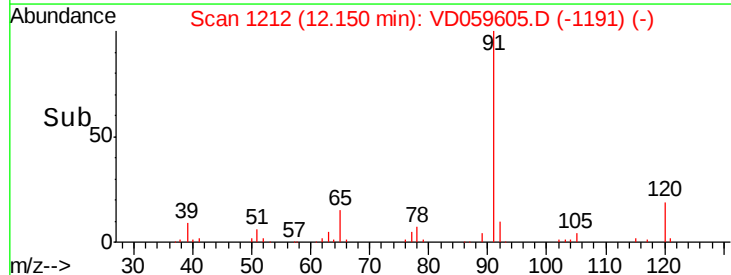
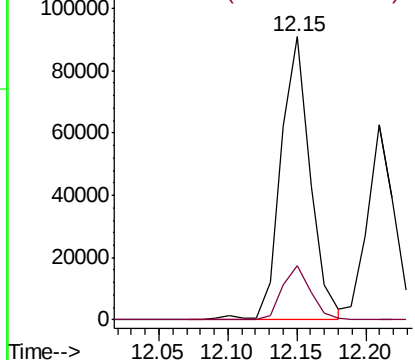


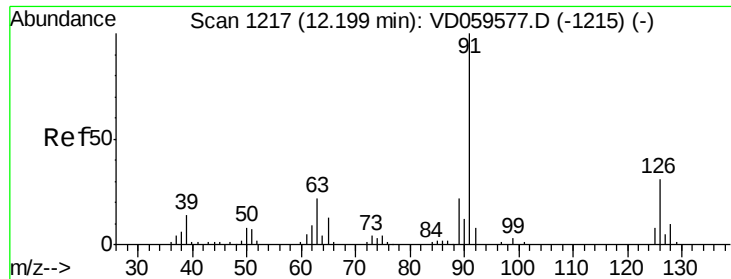
#78
n-propylbenzene
Concen: 20.83 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 91 Resp: 133055
Ion Ratio Lower Upper
91 100
120 19.3 9.9 29.7



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

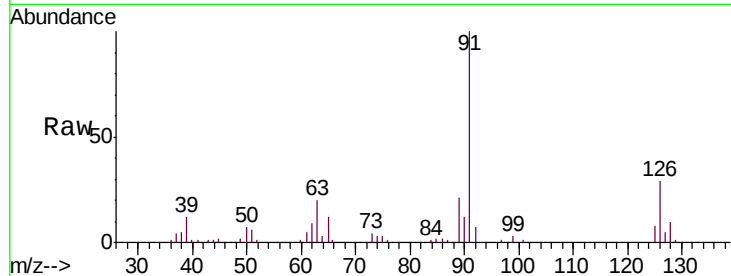




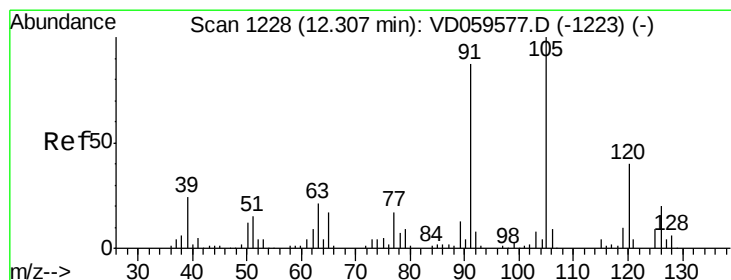
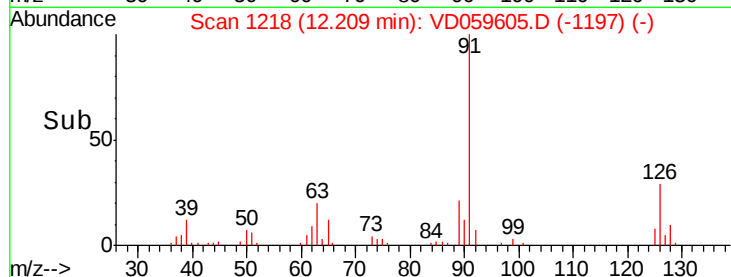
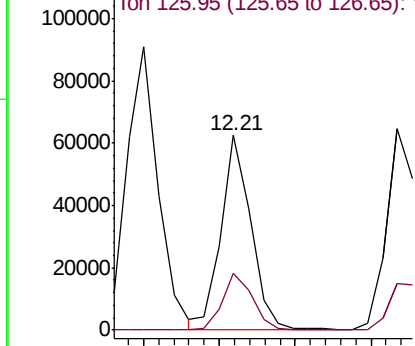
#79
 2-Chlorotoluene
 Concen: 22.73 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion: 91 Resp: 86565
 Ion Ratio Lower Upper
 91 100
 126 29.3 14.5 43.6

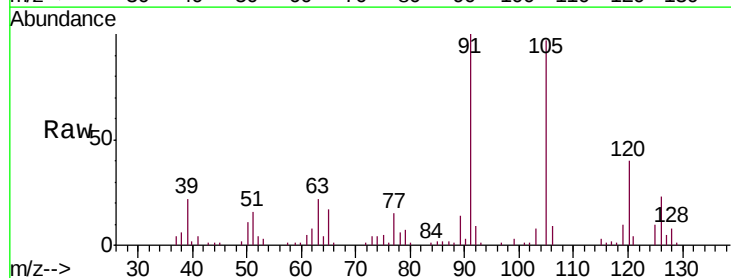


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

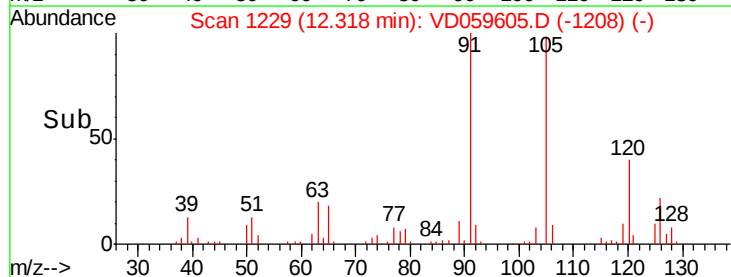
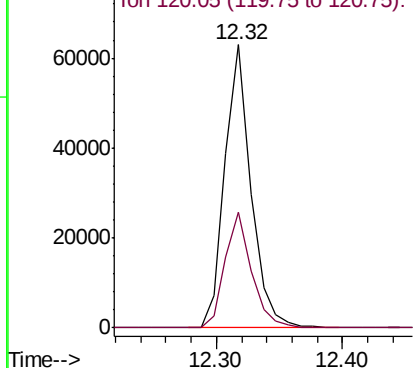


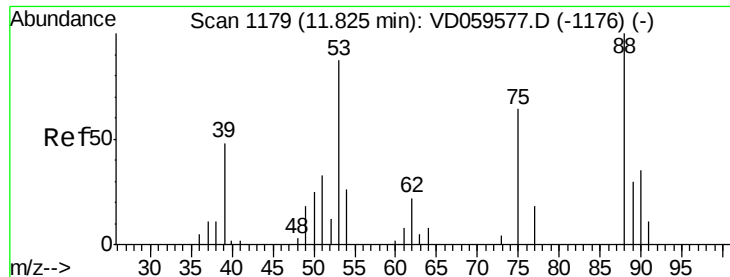
#80
 1,3,5-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 105 Resp: 90282
 Ion Ratio Lower Upper
 105 100
 120 40.9 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: 20.49 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059605.D

Acq: 26 Jul 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

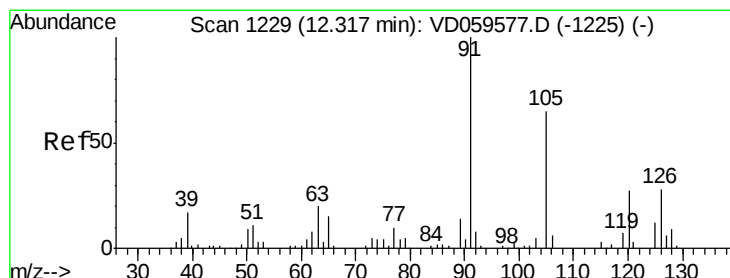
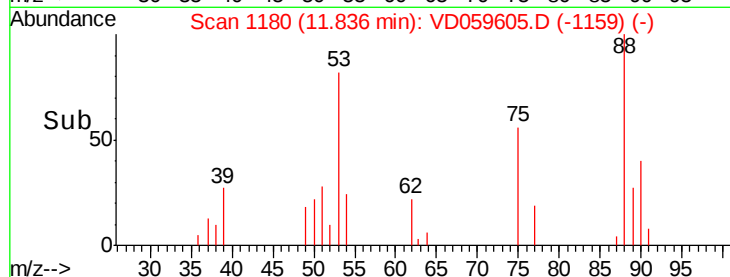
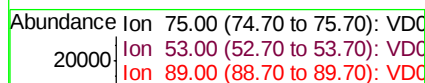
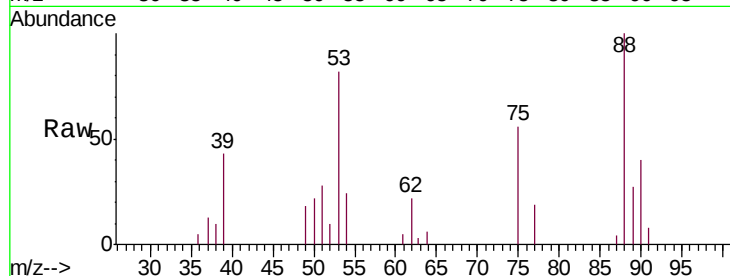
Tot Ion: 75 Resp: 6447

Ion Ratio Lower Upper

75 100

53 145.8 107.7 161.5

89 48.4 37.3 55.9



#82

4-Chlorotoluene

Concen: 22.13 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059605.D

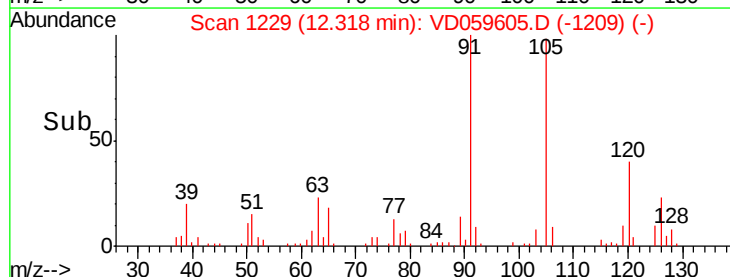
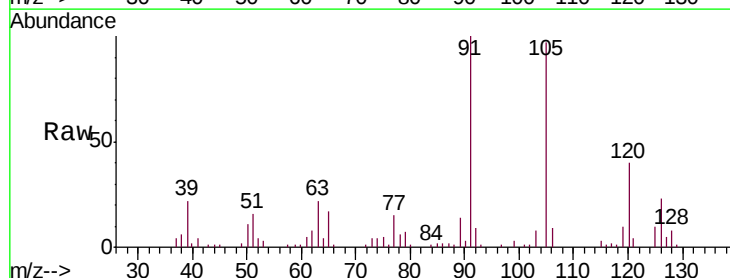
Acq: 26 Jul 2018 15:14

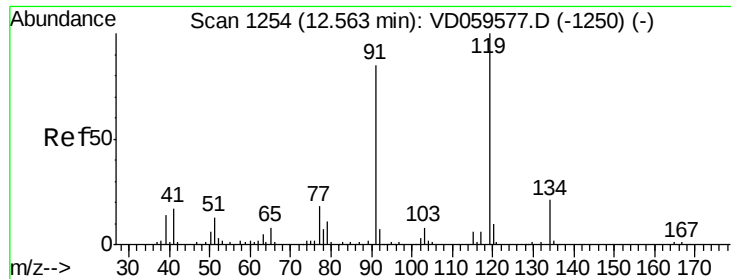
Tgt Ion: 91 Resp: 95334

Ion Ratio Lower Upper

91 100

126 22.9 14.1 42.4

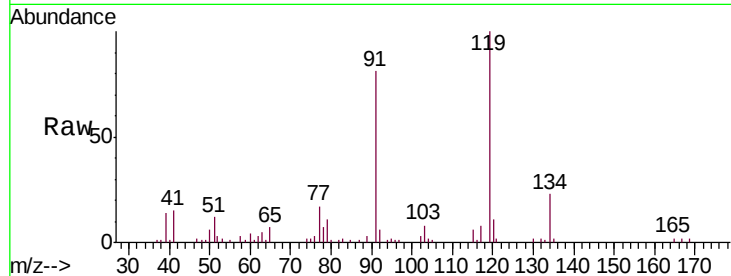




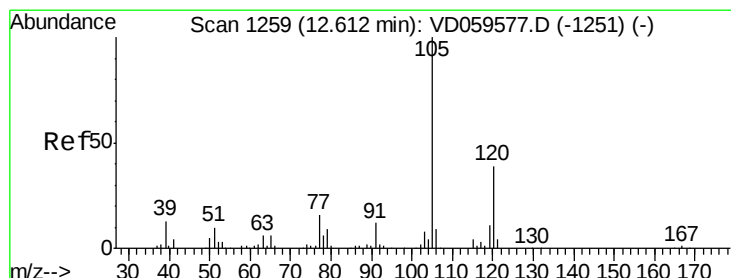
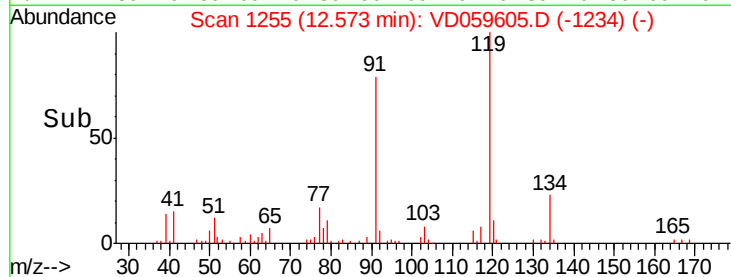
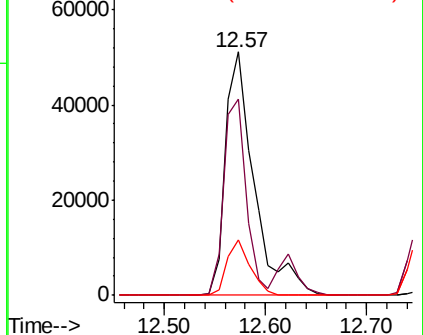
#83
 tert-Butylbenzene
 Concen: 21.69 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion:119 Resp: 101391
 Ion Ratio Lower Upper
 119 100
 91 80.6 42.5 127.5
 134 23.0 10.5 31.6

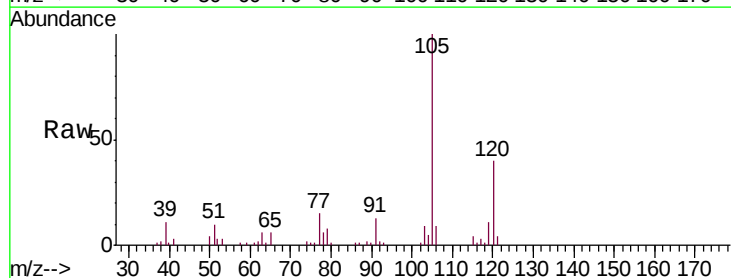


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

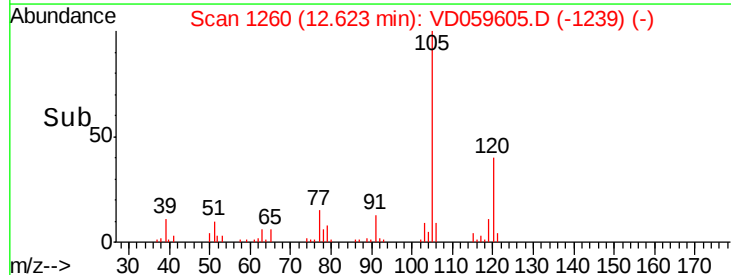
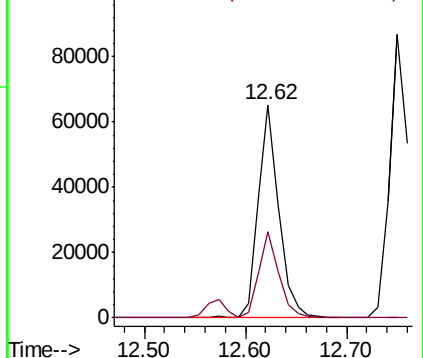


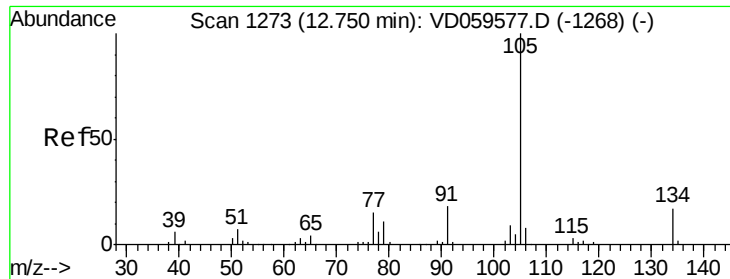
#84
 1,2,4-Trimethylbenzene
 Concen: 21.20 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion:105 Resp: 93566
 Ion Ratio Lower Upper
 105 100
 120 40.2 19.3 57.9



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

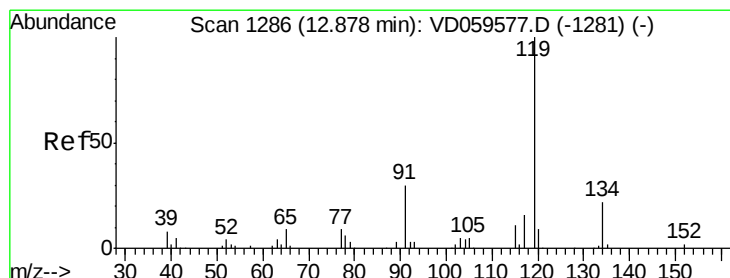
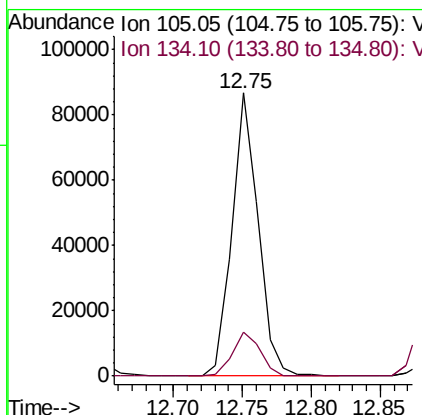
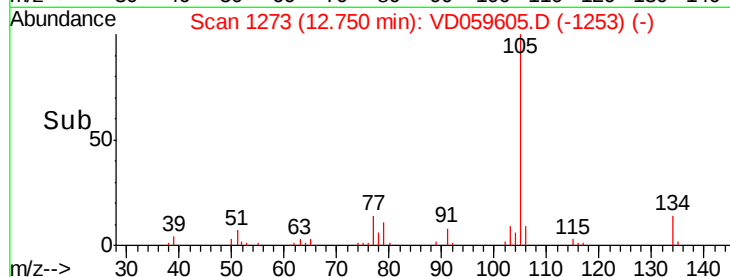
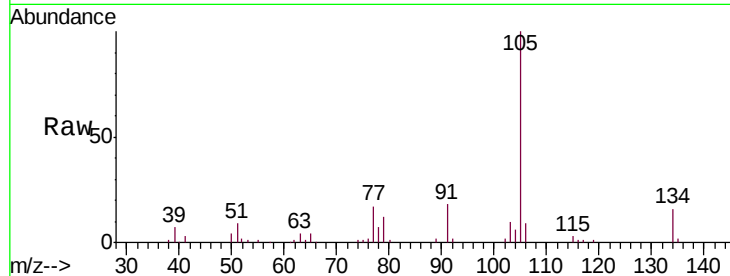




#85
 sec-Butylbenzene
 Concen: 21.44 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

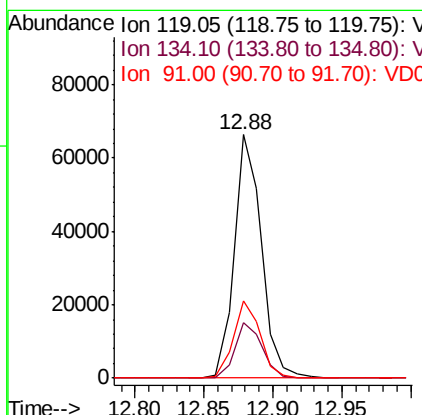
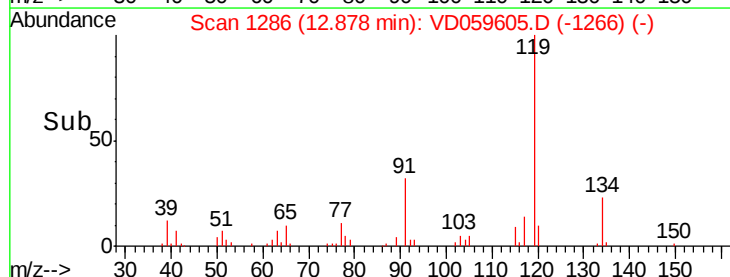
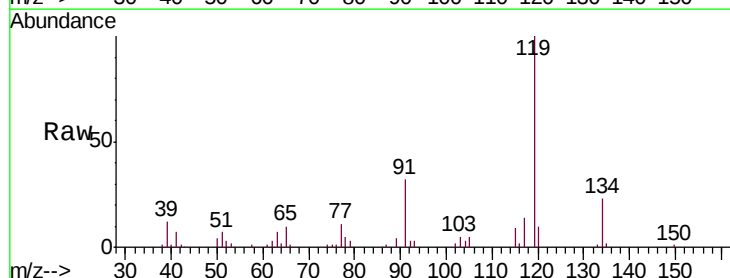
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

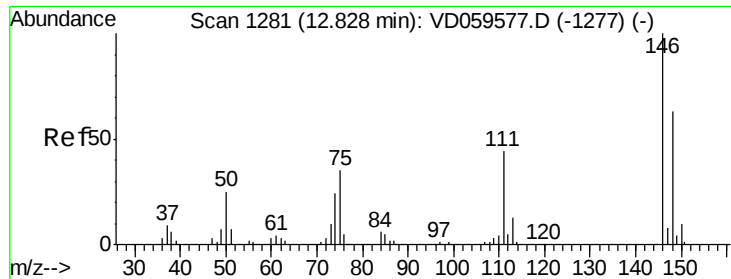
Tot Ion:105 Resp: 114505
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 20.11 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion:119 Resp: 90516
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.2 33.6
 91 31.5 15.0 45.1

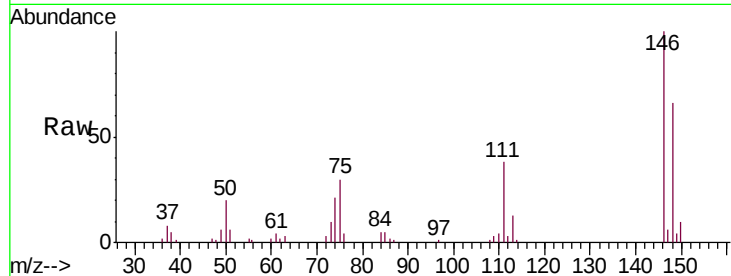




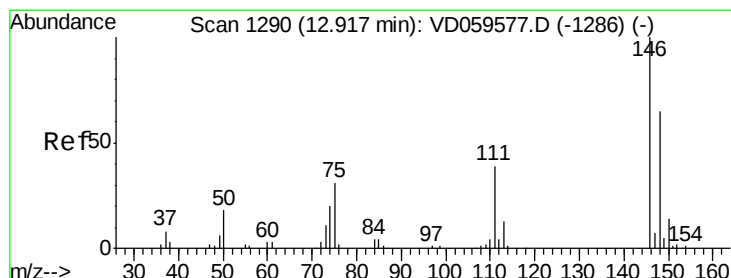
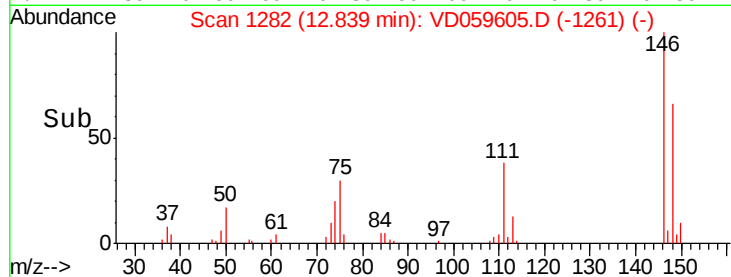
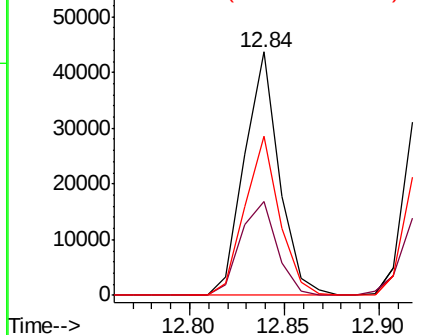
#87
 1,3-Dichlorobenzene
 Concen: 21.32 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion:146 Resp: 55508
 Ion Ratio Lower Upper
 146 100
 111 38.3 22.2 66.6
 148 65.5 31.8 95.3

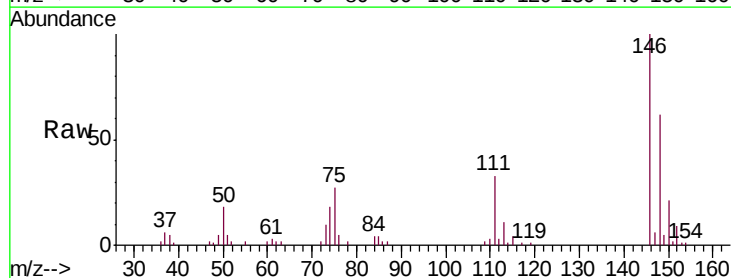


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

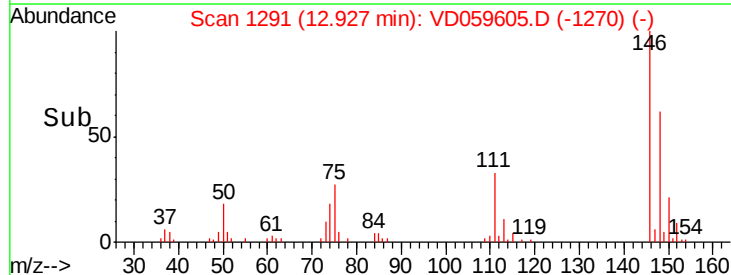
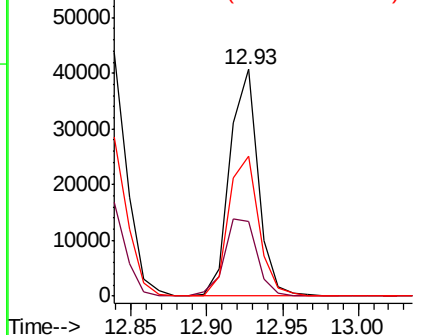


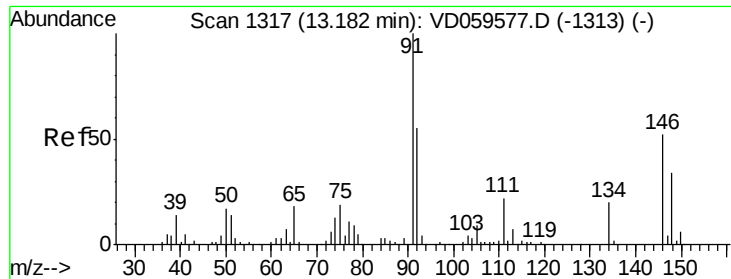
#88
 1,4-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion:146 Resp: 52974
 Ion Ratio Lower Upper
 146 100
 111 33.2 19.3 57.9
 148 61.7 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

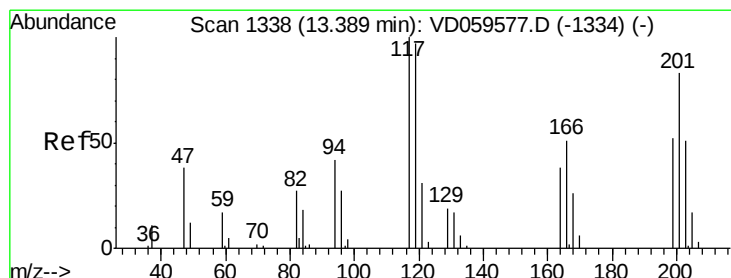
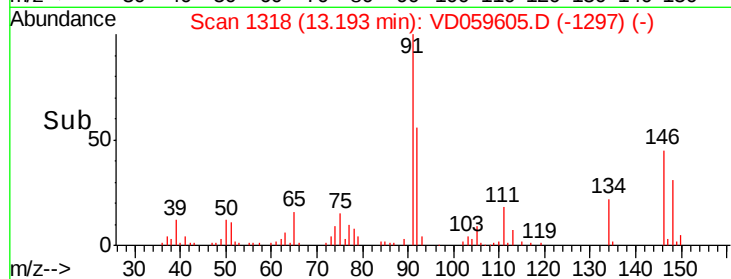
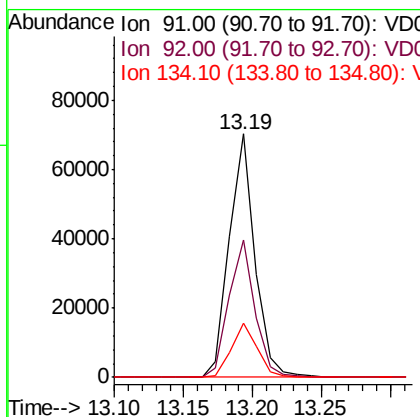
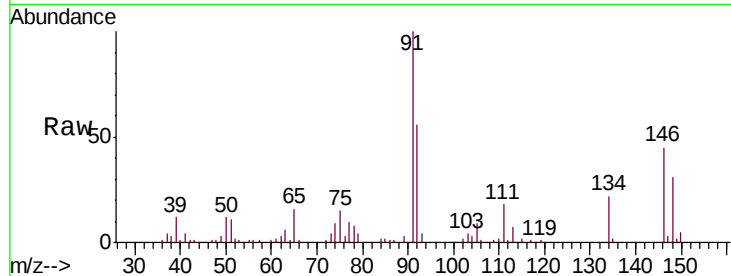




#89
n-Butylbenzene
Concen: 20.99 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

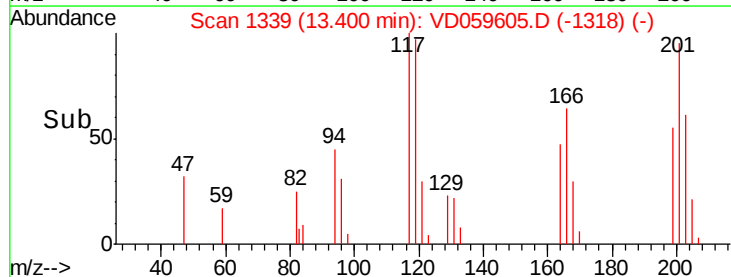
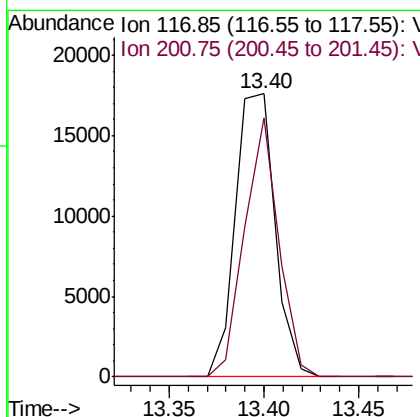
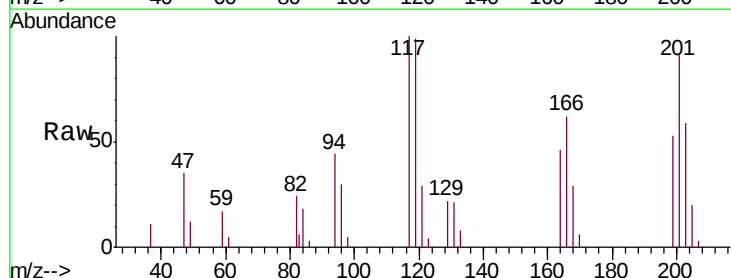
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

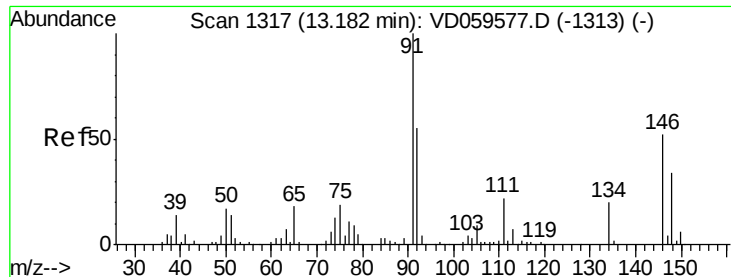
Tot Ion: 91 Resp: 91218
Ion Ratio Lower Upper
91 100
92 56.2 27.6 82.7
134 22.2 10.1 30.3



#90
Hexachloroethane
Concen: 21.19 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion: 117 Resp: 25486
Ion Ratio Lower Upper
117 100
201 91.4 41.5 124.5

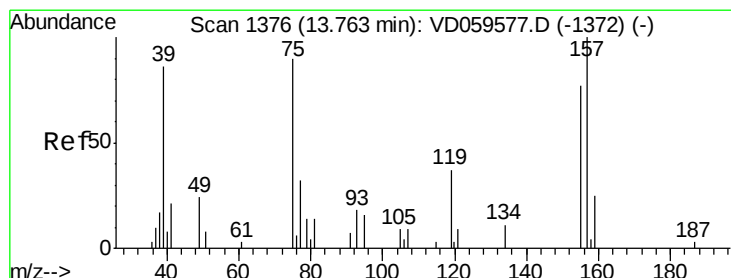
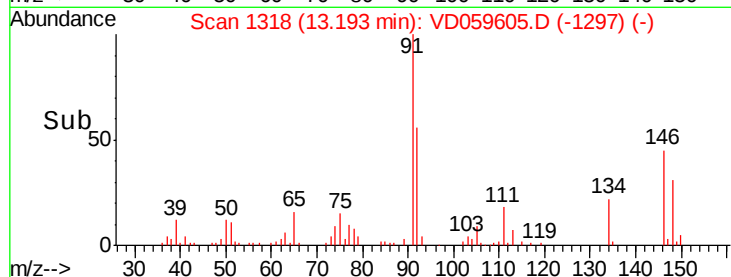
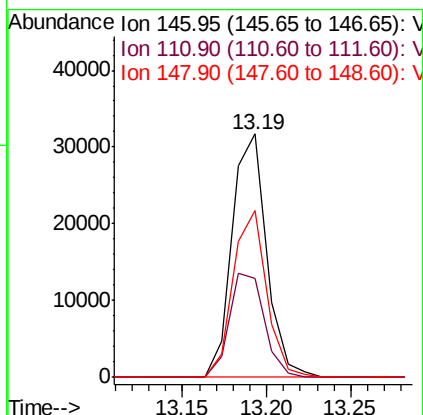
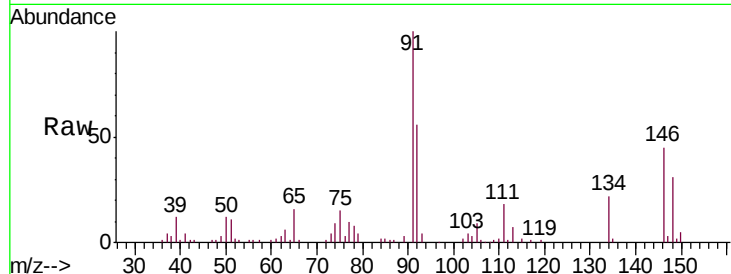




#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

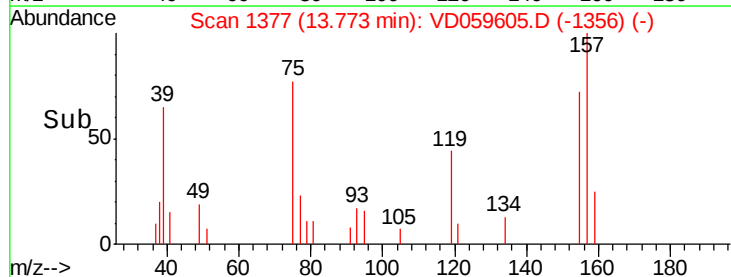
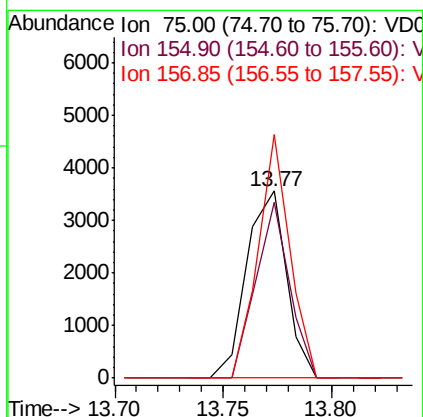
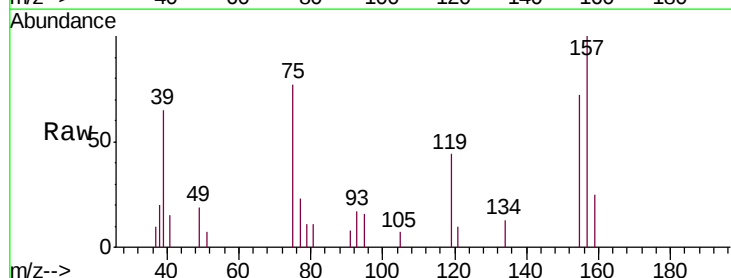
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

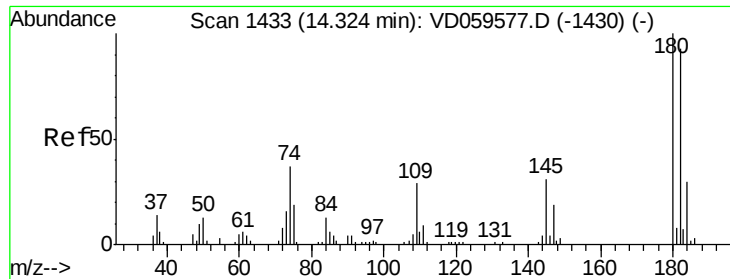
Tot Ion:146 Resp: 44912
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.4 64.3
 148 68.6 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.90 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion: 75 Resp: 4524
 Ion Ratio Lower Upper
 75 100
 155 93.8 42.5 127.5
 157 130.2 55.5 166.3

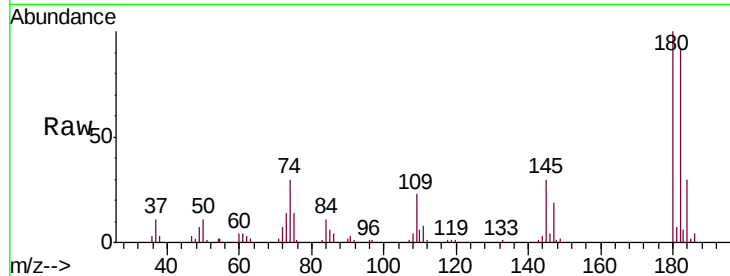




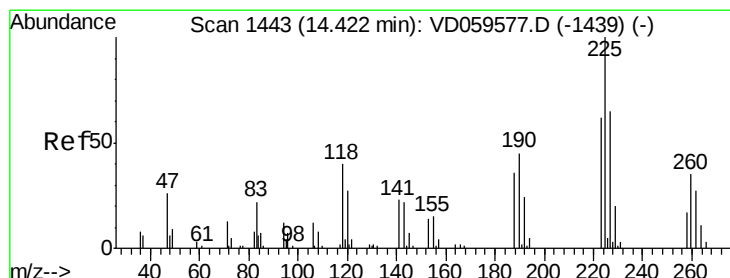
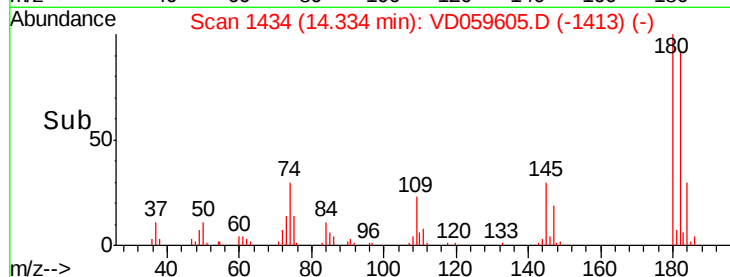
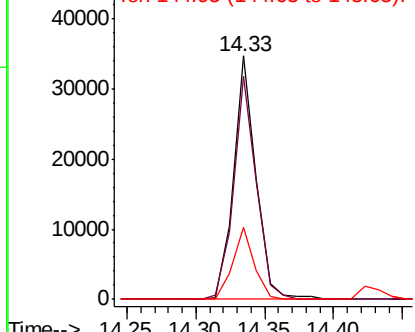
#93
 1,2,4-Trichlorobenzene
 Concen: 21.56 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion:180 Resp: 39002
 Ion Ratio Lower Upper
 180 100
 182 91.5 46.4 139.2
 145 29.6 15.7 47.0

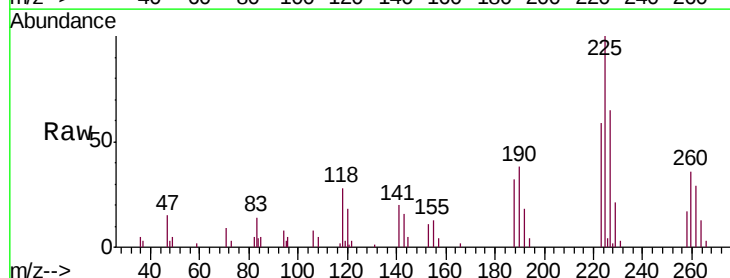


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

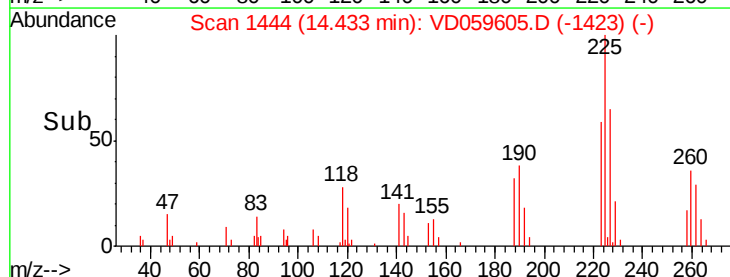
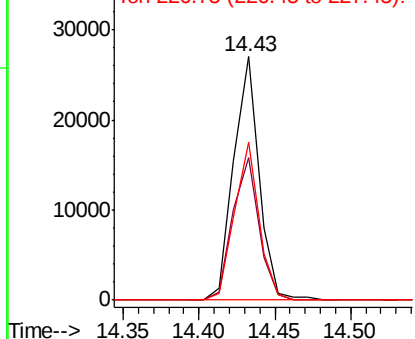


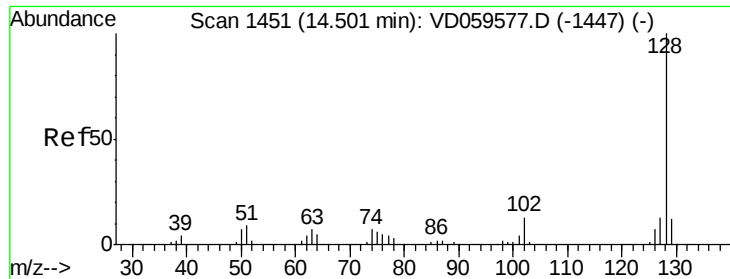
#94
 Hexachlorobutadiene
 Concen: 22.09 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059605.D
 Acq: 26 Jul 2018 15:14

Tgt Ion:225 Resp: 31511
 Ion Ratio Lower Upper
 225 100
 223 58.5 31.1 93.5
 227 64.8 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

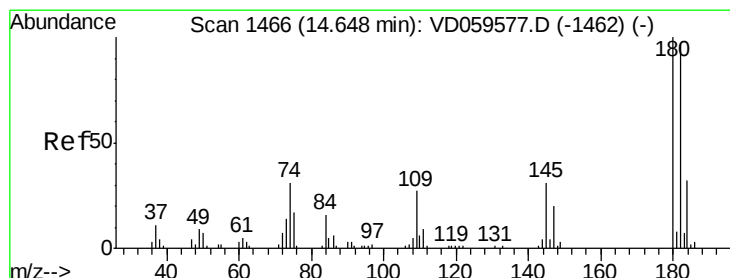
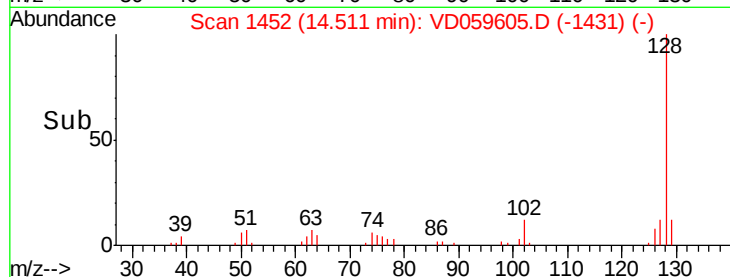
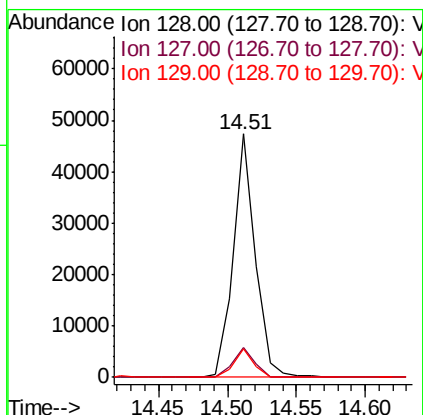
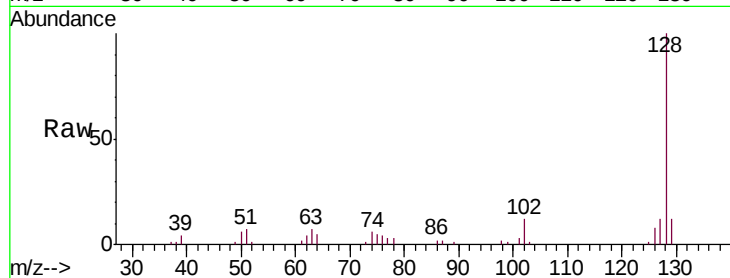




#95
Naphthalene
Concen: 20.38 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion:128 Resp: 52423
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 11.6 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.56 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059605.D
Acq: 26 Jul 2018 15:14

Tgt Ion:180 Resp: 33646
Ion Ratio Lower Upper
180 100
182 98.6 48.6 145.9
145 26.3 15.6 46.7

