

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
 Data File : VD059606.D
 Acq On : 26 Jul 2018 15:44
 Operator : VA/AP
 Sample : VD0726SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Quant Time: Jul 26 16:05:06 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	130277	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	170298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	142727	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	75986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	89180	54.45	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	108.90%	
35) Dibromofluoromethane	5.52	113	81023	55.46	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	110.92%	
50) Toluene-d8	8.69	98	173235	52.28	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.93	95	81553	54.64	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	109.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	38229	23.50	ug/l	97
3) Chloromethane	1.45	50	16908	20.77	ug/l	95
4) Vinyl Chloride	1.53	62	16168	19.08	ug/l	97
5) Bromomethane	1.75	94	3940	24.24	ug/l #	73
6) Chloroethane	1.84	64	5477	22.10	ug/l	90
7) Trichlorofluoromethane	2.04	101	35162	24.32	ug/l	96
8) Diethyl Ether	2.32	74	5227	20.90	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	2.51	101	17238	22.63	ug/l	95
10) Methyl Iodide	2.66	142	19601	20.93	ug/l	94
11) Tert butyl alcohol	3.24	59	7407	113.36	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	11636	21.08	ug/l	99
13) Acrolein	2.45	56	3603	107.04	ug/l	100
14) Allyl chloride	2.88	41	29760	22.23	ug/l	98
15) Acrylonitrile	3.32	53	16425	115.91	ug/l	95
16) Acetone	2.58	43	26488	107.09	ug/l	96
17) Carbon Disulfide	2.72	76	42876	19.55	ug/l	98
18) Methyl Acetate	2.91	43	9809	19.83	ug/l	97
19) Methyl tert-butyl Ether	3.37	73	43724	23.63	ug/l	95
20) Methylene Chloride	3.04	84	15293	21.68	ug/l	91
21) trans-1,2-Dichloroethene	3.35	96	13584	22.82	ug/l	89
22) Diisopropyl ether	4.04	45	74293	21.10	ug/l	97
23) Vinyl Acetate	3.98	43	241321	108.02	ug/l	99
24) 1,1-Dichloroethane	3.93	63	46274	20.82	ug/l	99
25) 2-Butanone	4.81	43	39144	103.78	ug/l	98
26) 2,2-Dichloropropane	4.77	77	51107	22.46	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	26463	22.25	ug/l	92
28) Bromochloromethane	5.11	49	20448	23.25	ug/l	97
29) Tetrahydrofuran	5.16	42	17418	99.73	ug/l	99
30) Chloroform	5.30	83	61614	23.18	ug/l	98
31) Cyclohexane	5.56	56	32653	19.50	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54455	21.16	ug/l	95
36) 1,1-Dichloropropene	5.72	75	38428	22.49	ug/l	97
37) Ethyl Acetate	4.90	43	19772	22.49	ug/l #	95
38) Carbon Tetrachloride	5.69	117	49602	21.20	ug/l	98

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

Instrument :
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Quant Time: Jul 26 16:05:06 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	7.27	83	32807	20.88	ug/l	98
40) Benzene	5.99	78	76863	21.93	ug/l	99
41) Methacrylonitrile	5.09	41	9113	20.77	ug/l	95
42) 1,2-Dichloroethane	6.10	62	46024	21.80	ug/l	99
43) Isopropyl Acetate	7.60	43	25297	20.75	ug/l	94
44) Trichloroethene	6.96	130	28375	22.32	ug/l	96
45) 1,2-Dichloropropane	7.32	63	20123	20.50	ug/l	97
46) Dibromomethane	7.44	93	19070	22.99	ug/l	93
47) Bromodichloromethane	7.73	83	44430	22.43	ug/l	97
48) Methyl methacrylate	7.48	41	17936	22.19	ug/l	95
49) 1,4-Dioxane	7.47	88	3152	429.77	ug/l #	84
51) 4-Methyl-2-Pentanone	8.58	43	89772	110.29	ug/l	99
52) Toluene	8.79	92	49956	21.50	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	35421	19.82	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	38160	21.50	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	18775	21.51	ug/l	93
56) Ethyl methacrylate	9.30	69	22437	22.65	ug/l	97
57) 1,3-Dichloropropane	9.66	76	30130	21.72	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	49020	105.33	ug/l	100
59) 2-Hexanone	9.77	43	64783	100.20	ug/l	100
60) Dibromochloromethane	9.94	129	30336	20.93	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23597	22.81	ug/l	98
64) Tetrachloroethene	9.50	164	26398	20.41	ug/l	96
65) Chlorobenzene	10.72	112	62310	21.30	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	27133	21.32	ug/l	96
67) Ethyl Benzene	10.85	91	109203	21.71	ug/l	96
68) m/p-Xylenes	11.00	106	71519	42.58	ug/l	100
69) o-Xylene	11.40	106	36474	22.38	ug/l	92
70) Styrene	11.43	104	58465	21.63	ug/l	97
71) Bromoform	11.59	173	21021	20.28	ug/l #	95
73) Isopropylbenzene	11.77	105	101328	18.88	ug/l	99
74) N-amyl acetate	11.64	43	33767	18.36	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	21314	19.45	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	24236	19.29	ug/l	97
77) Bromobenzene	12.04	156	30846	19.63	ug/l	81
78) n-propylbenzene	12.15	91	133039	20.40	ug/l	98
79) 2-Chlorotoluene	12.21	91	79475	20.44	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	84234	19.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	5985	18.63	ug/l #	96
82) 4-Chlorotoluene	12.32	91	91390	20.78	ug/l	98
83) tert-Butylbenzene	12.57	119	99181	20.79	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	91275	20.26	ug/l	96
85) sec-Butylbenzene	12.75	105	108467	19.89	ug/l	99
86) p-Isopropyltoluene	12.88	119	92558	20.14	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	52710	19.83	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	52048	20.33	ug/l	98
89) n-Butylbenzene	13.19	91	84820	19.12	ug/l	99
90) Hexachloroethane	13.39	117	23919	19.48	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	44430	19.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4400	19.91	ug/l	79

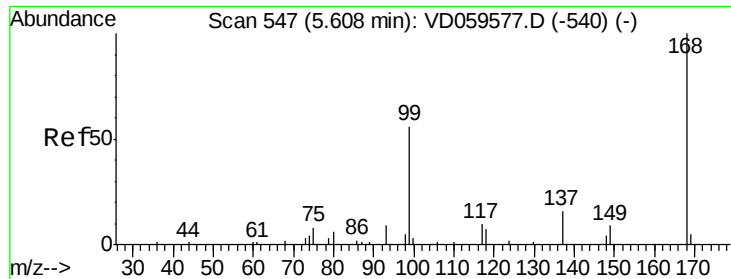
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072618\
Data File : VD059606.D
Acq On : 26 Jul 2018 15:44
Operator : VA/AP
Sample : VD0726SBSD01
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MSVOA_D
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	37188	20.14	ug/l	95
94) Hexachlorobutadiene	14.43	225	28677	19.69	ug/l	99
95) Naphthalene	14.52	128	51439	19.59	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	33322	19.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

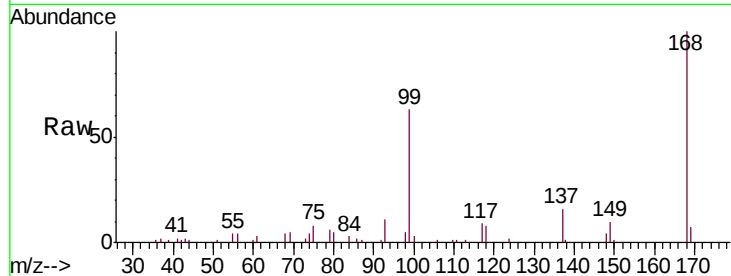
VD0726SBSD01

Tot Ion:168 Resp: 130277

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

5.62

40000

30000

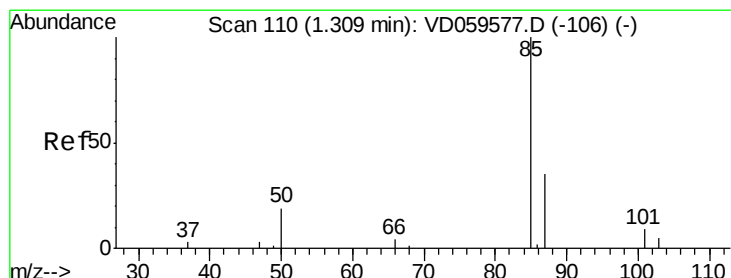
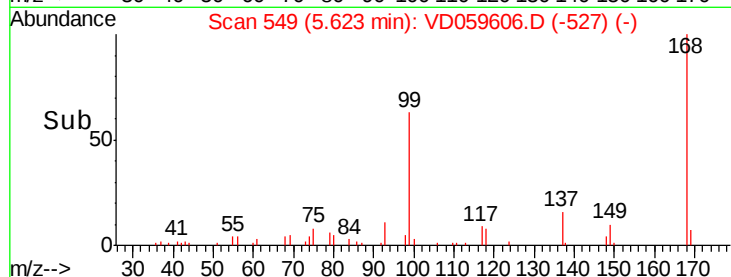
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.50 ug/l

RT: 1.31 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059606.D

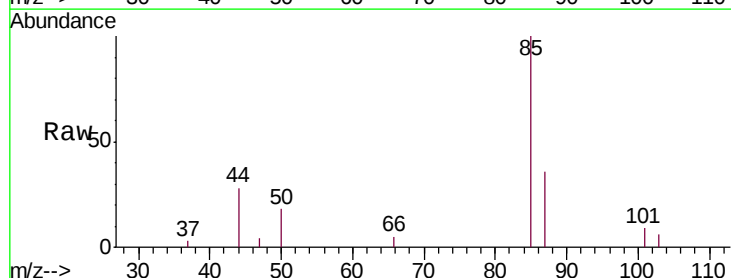
Acq: 26 Jul 2018 15:44

Tgt Ion: 85 Resp: 38229

Ion Ratio Lower Upper

85 100

87 36.4 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.31

20000

15000

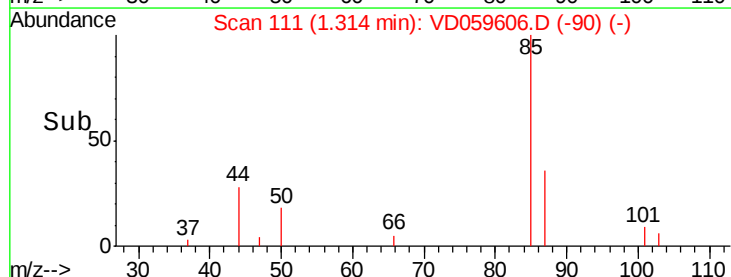
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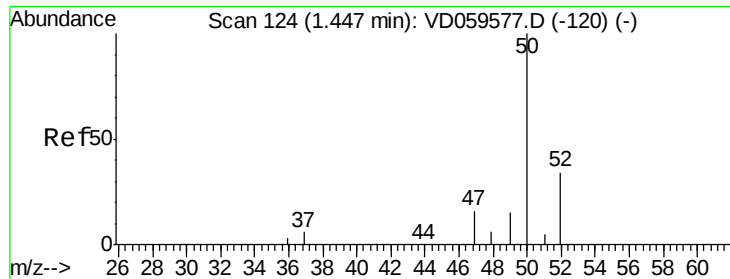
5000

0

1.30 1.40

Time-->





#3

Chloromethane

Concen: 20.77 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

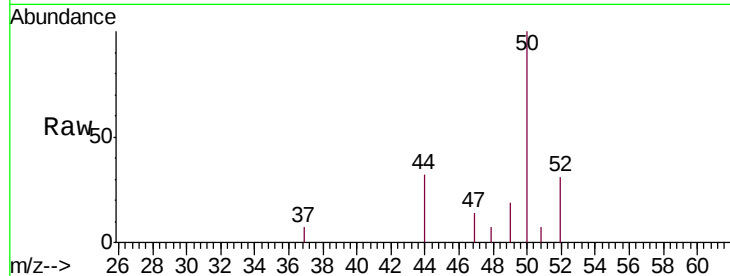
VD0726SBS01

Tot Ion: 50 Resp: 16908

Ion Ratio Lower Upper

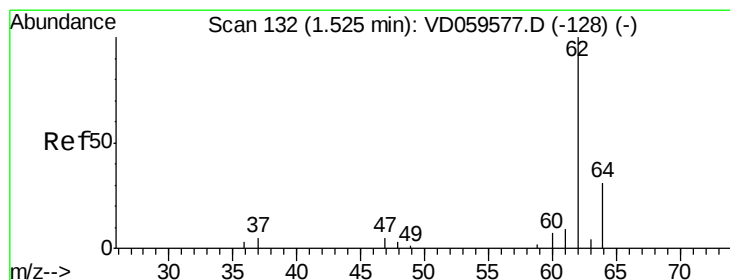
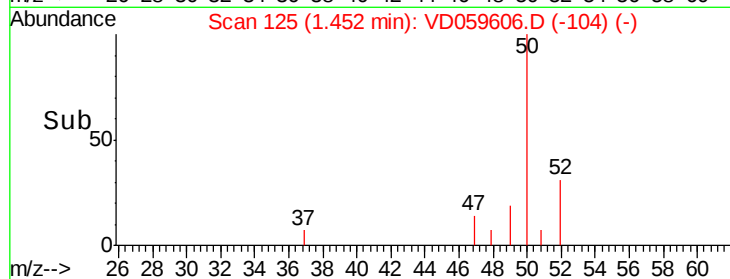
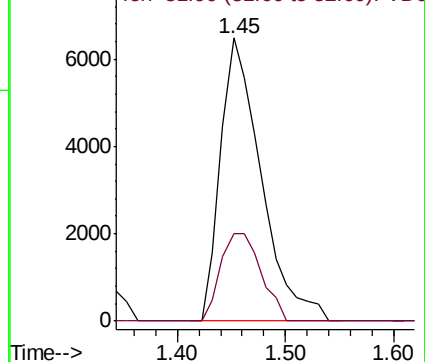
50 100

52 31.2 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: 19.08 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059606.D

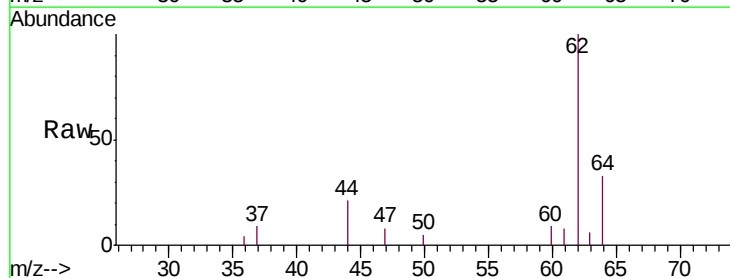
Acq: 26 Jul 2018 15:44

Tgt Ion: 62 Resp: 16168

Ion Ratio Lower Upper

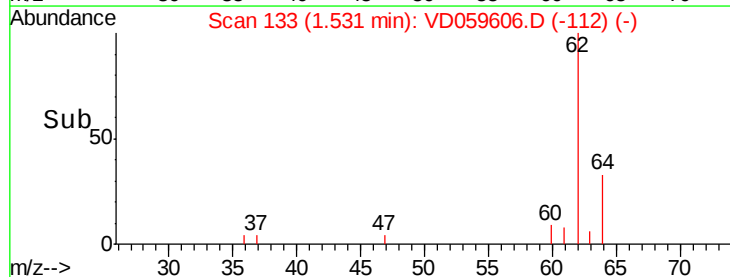
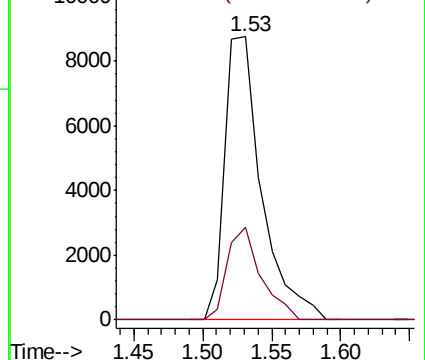
62 100

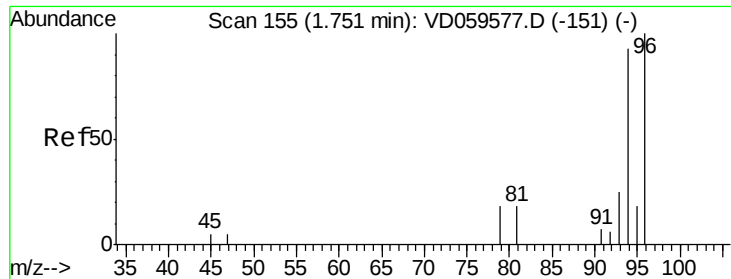
64 32.6 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 24.24 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

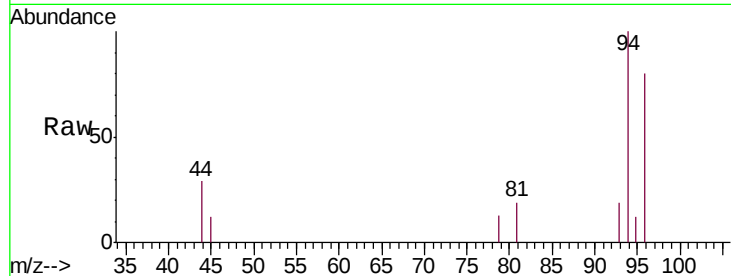
VD0726SBSD01

Tot Ion: 94 Resp: 3940

Ion Ratio Lower Upper

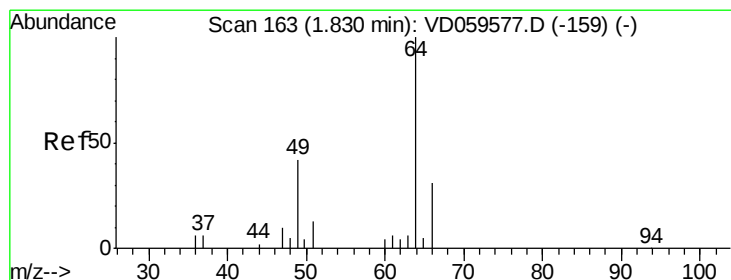
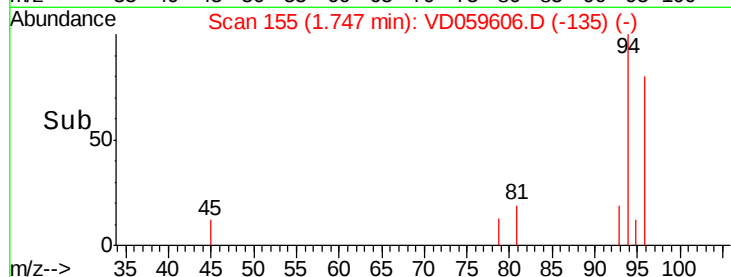
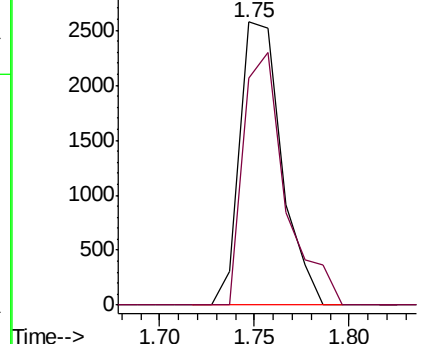
94 100

96 80.0 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: 22.10 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059606.D

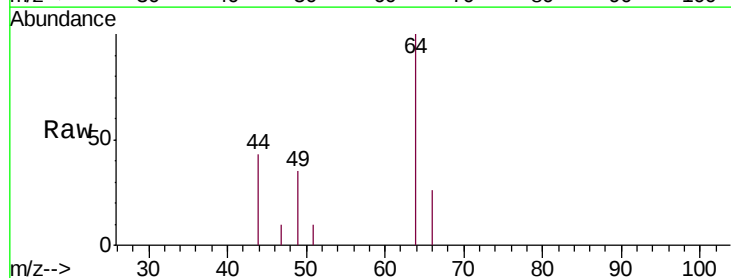
Acq: 26 Jul 2018 15:44

Tgt Ion: 64 Resp: 5477

Ion Ratio Lower Upper

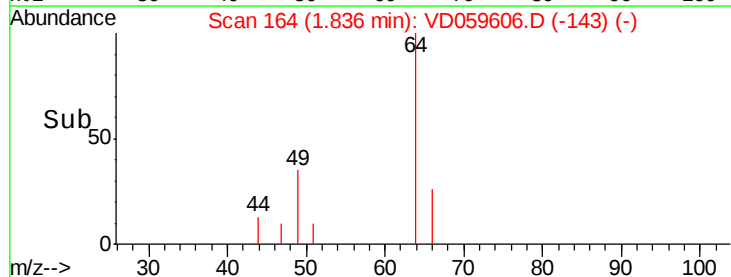
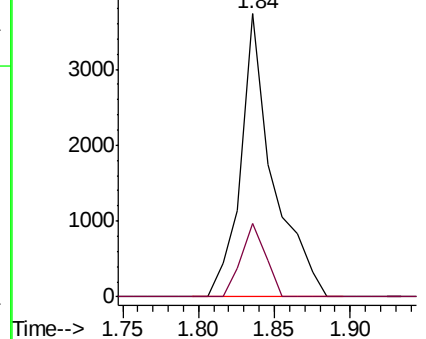
64 100

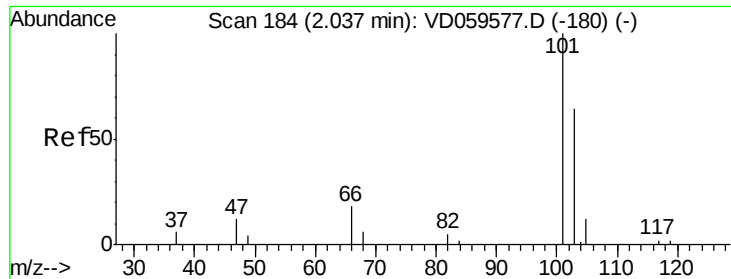
66 26.1 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



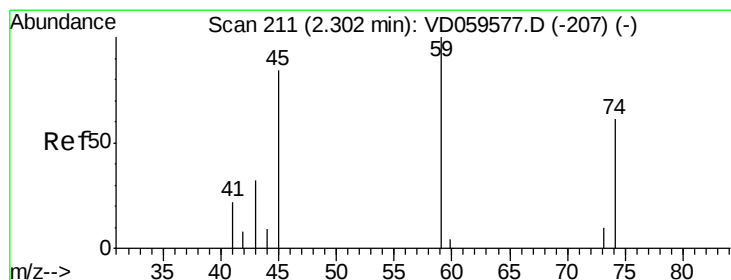
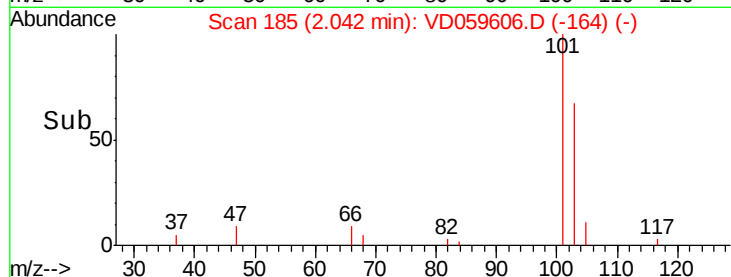
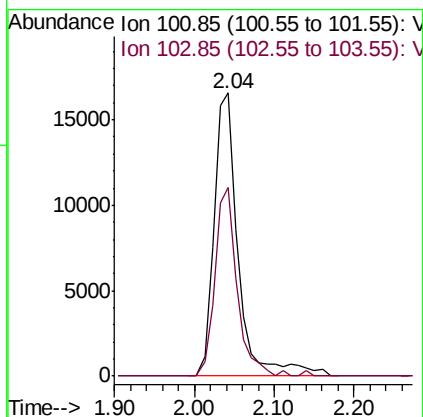
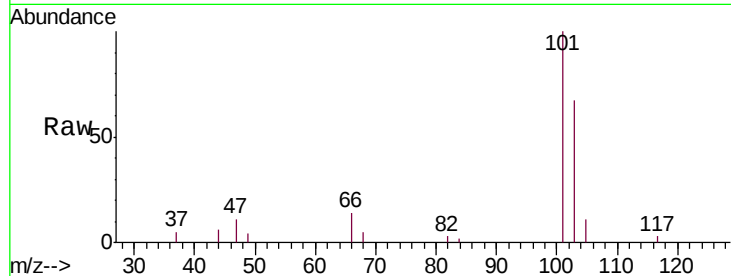


#7

Trichlorofluoromethane
 Concen: 24.32 ug/l
 RT: 2.04 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

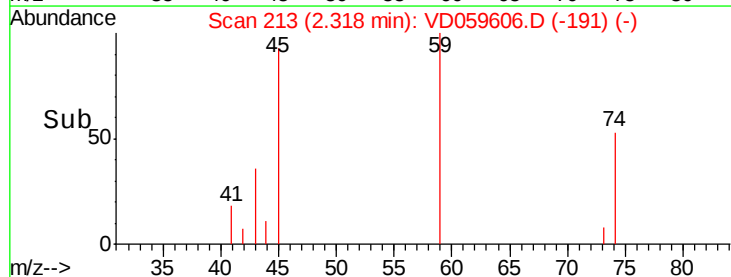
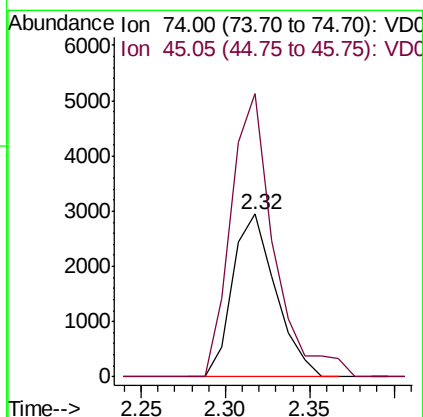
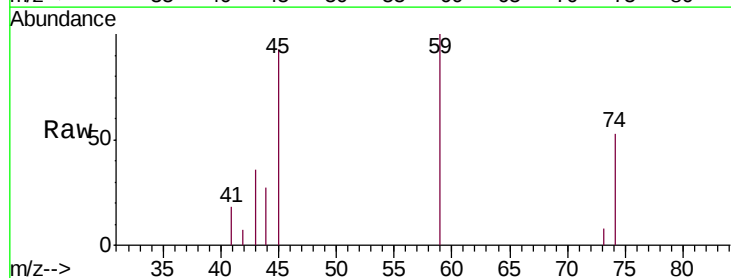
Tot Ion:101 Resp: 35162
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.9 76.3

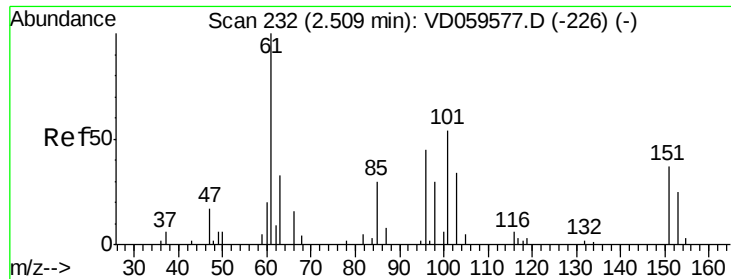


#8

Diethyl Ether
 Concen: 20.90 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion: 74 Resp: 5227
 Ion Ratio Lower Upper
 74 100
 45 174.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.63 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

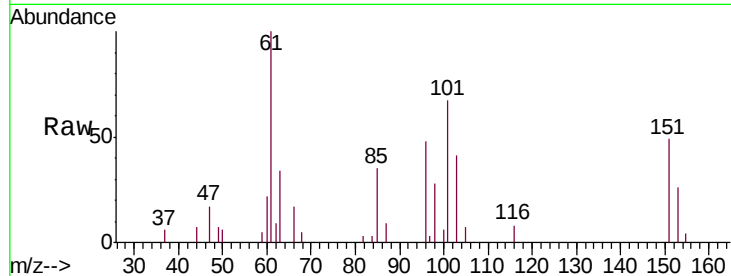
Tot Ion:101 Resp: 17238

Ion Ratio Lower Upper

101 100

85 51.9 44.5 66.7

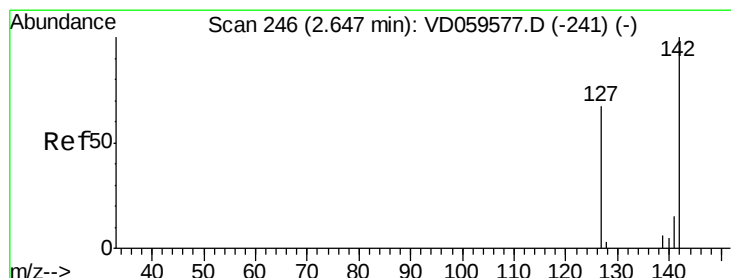
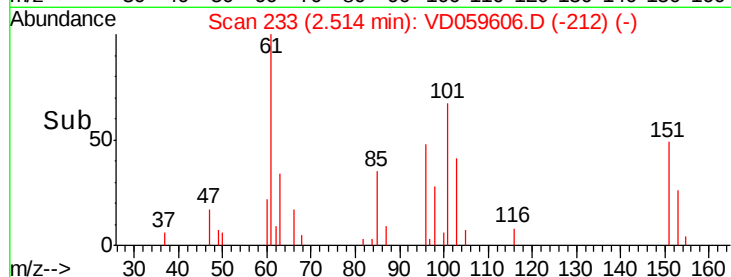
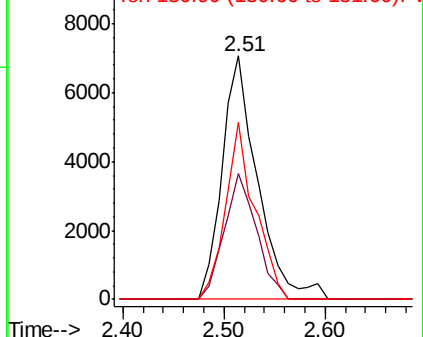
151 73.0 55.4 83.0



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: 20.93 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

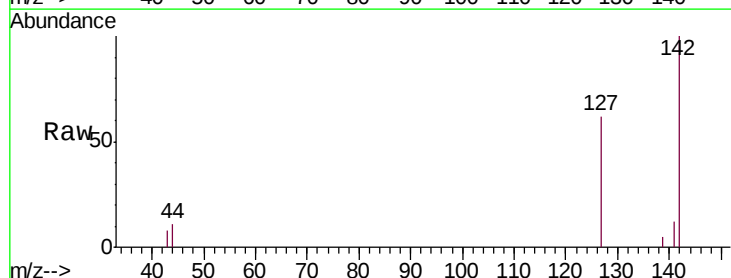
Tgt Ion:142 Resp: 19601

Ion Ratio Lower Upper

142 100

127 62.4 53.6 80.4

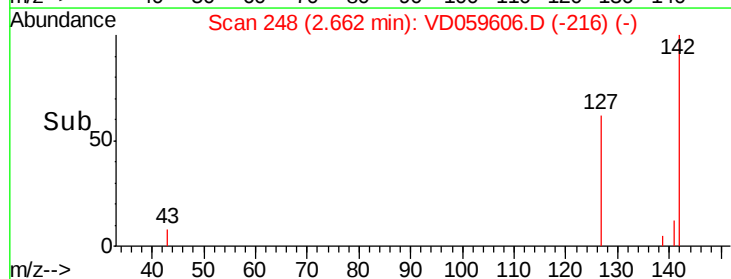
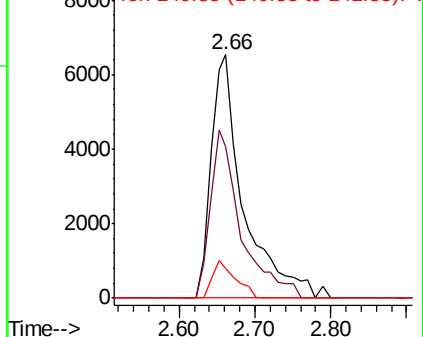
141 12.3 12.2 18.2

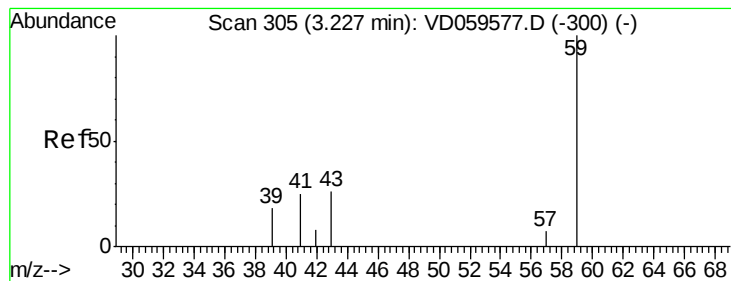


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



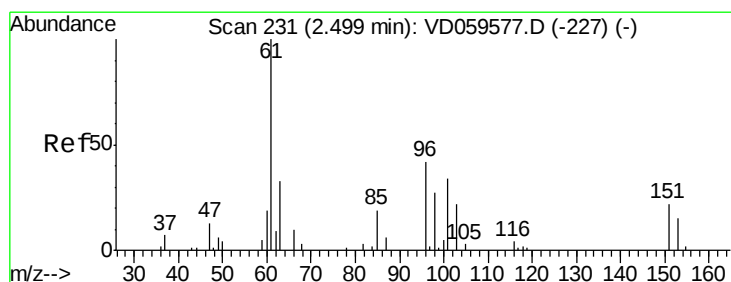
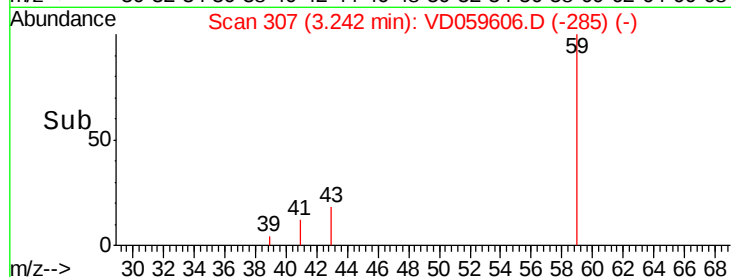
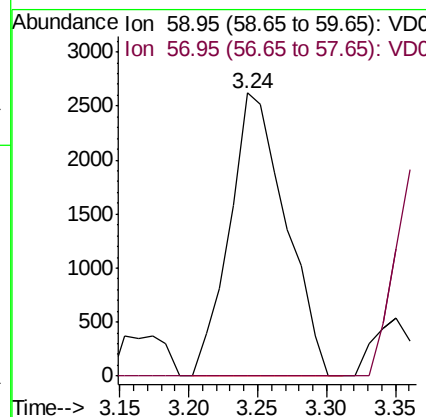
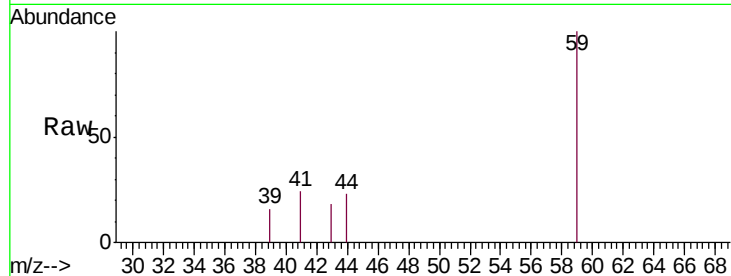


#11

Tert butyl alcohol
 Concen: 113.36 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

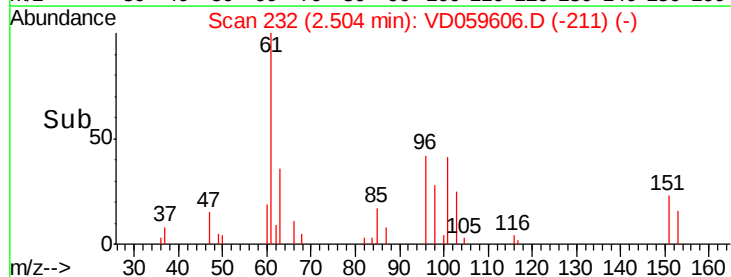
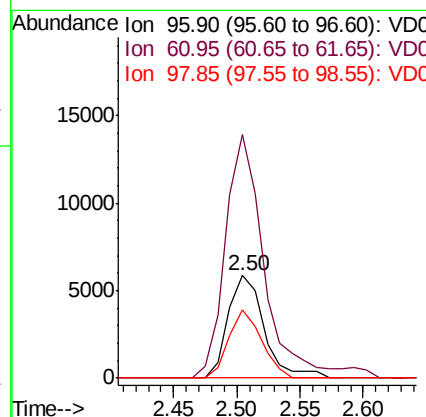
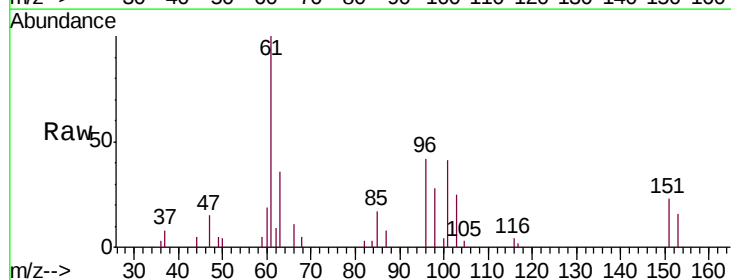
Tot Ion: 59 Resp: 7407
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

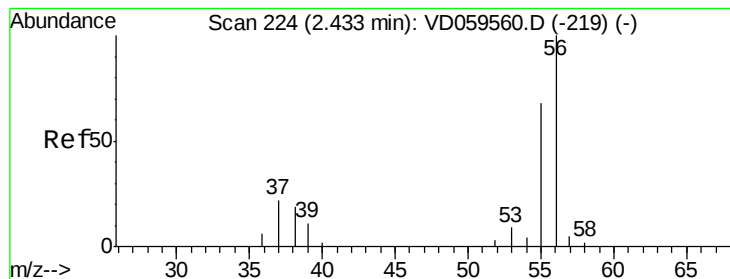


#12

1,1-Dichloroethene
 Concen: 21.08 ug/l
 RT: 2.50 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion: 96 Resp: 11636
 Ion Ratio Lower Upper
 96 100
 61 237.1 188.8 283.2
 98 66.9 51.4 77.2





#13

Acrolein

Concen: 107.04 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

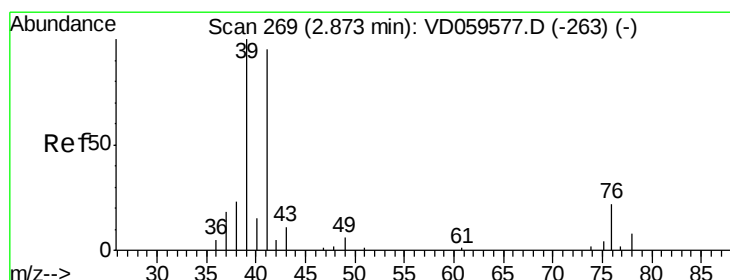
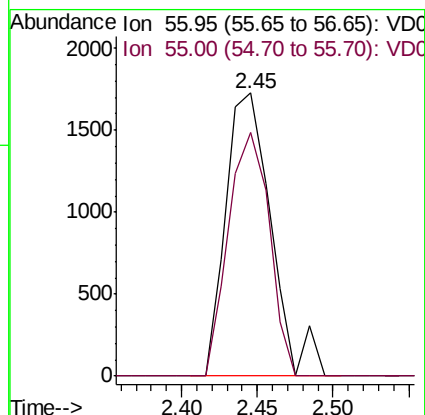
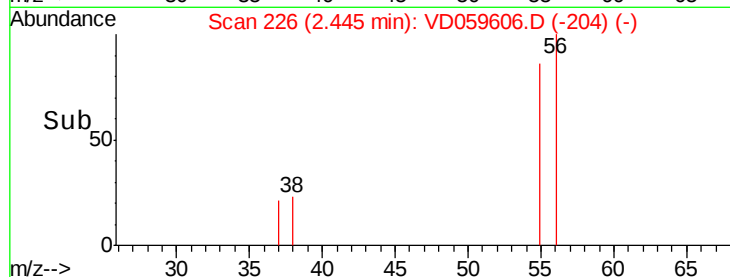
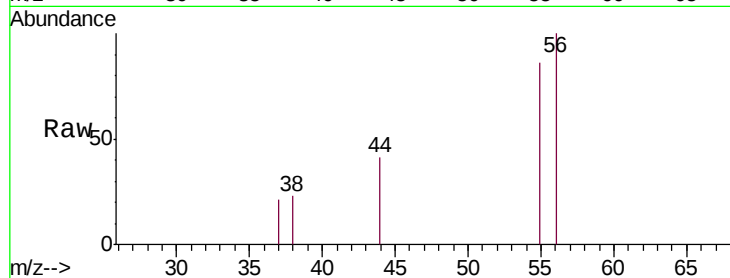
VD0726SBSD01

Tot Ion: 56 Resp: 3603

Ion Ratio Lower Upper

56 100

55 86.0 69.1 103.7



#14

Allyl chloride

Concen: 22.23 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

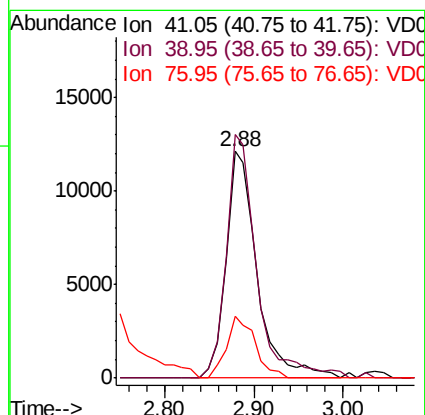
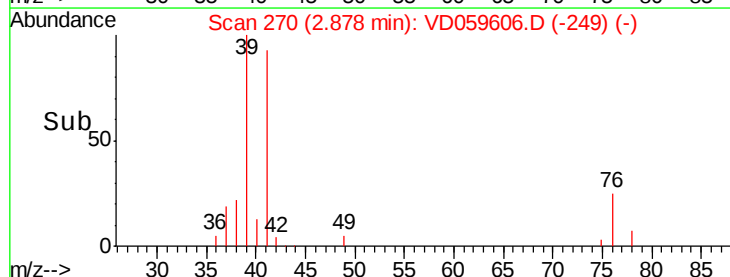
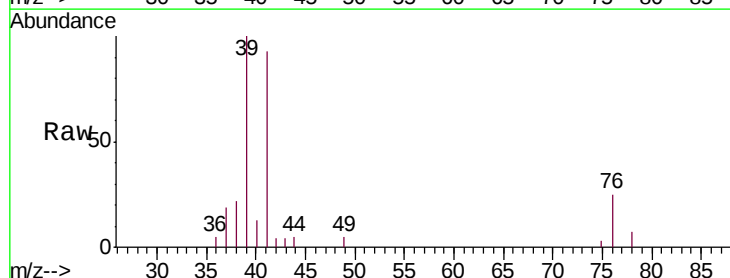
Tgt Ion: 41 Resp: 29760

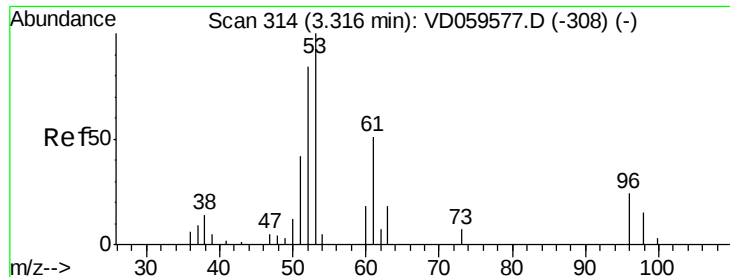
Ion Ratio Lower Upper

41 100

39 107.4 83.8 125.8

76 27.2 22.2 33.4





#15

Acrylonitrile

Concen: 115.91 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

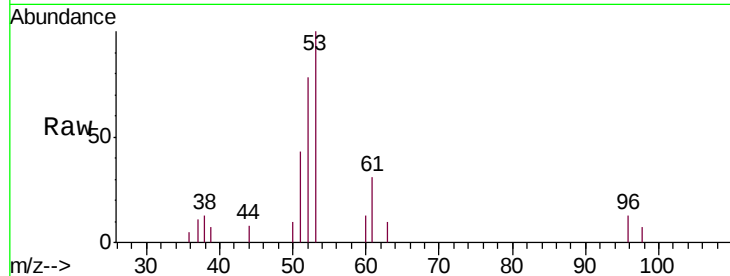
Tot Ion: 53 Resp: 16425

Ion Ratio Lower Upper

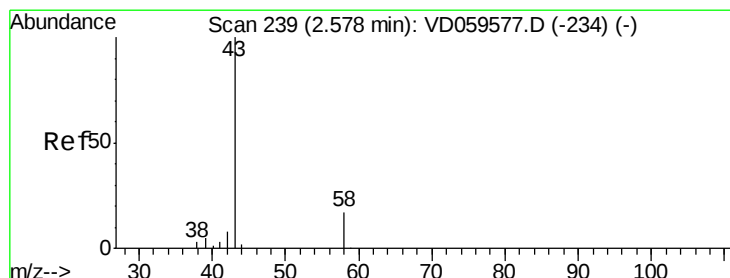
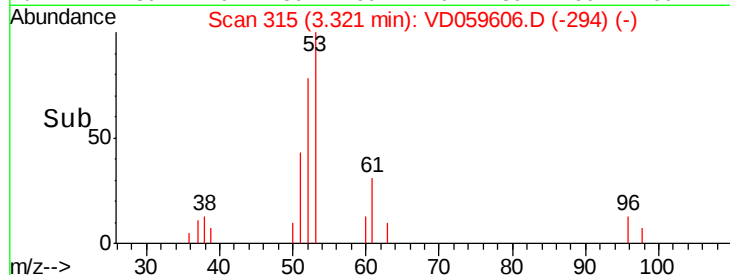
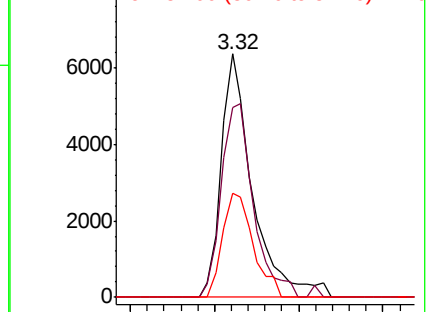
53 100

52 78.2 67.6 101.4

51 42.7 33.7 50.5



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



#16

Acetone

Concen: 107.09 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059606.D

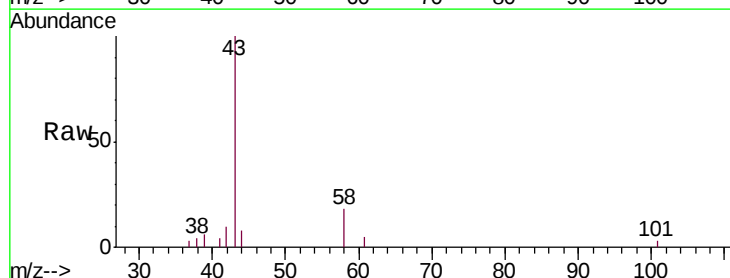
Acq: 26 Jul 2018 15:44

Tgt Ion: 43 Resp: 26488

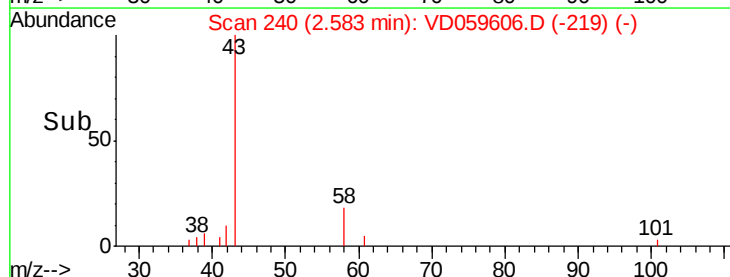
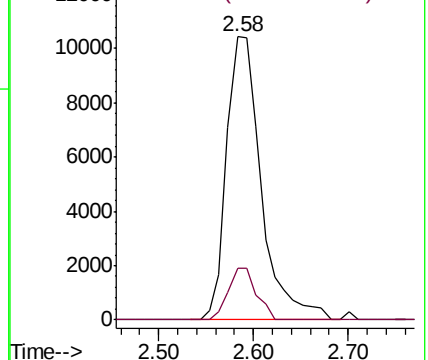
Ion Ratio Lower Upper

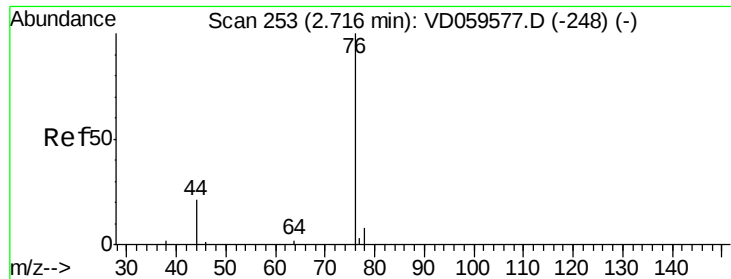
43 100

58 18.4 13.4 20.0



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

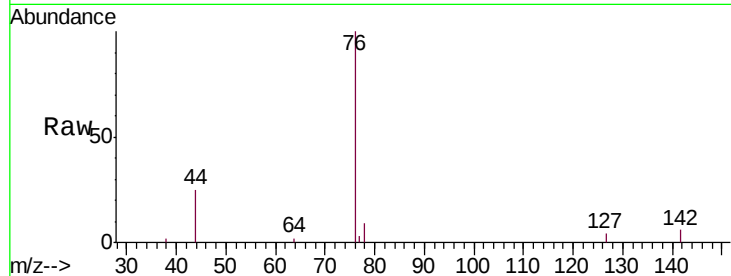




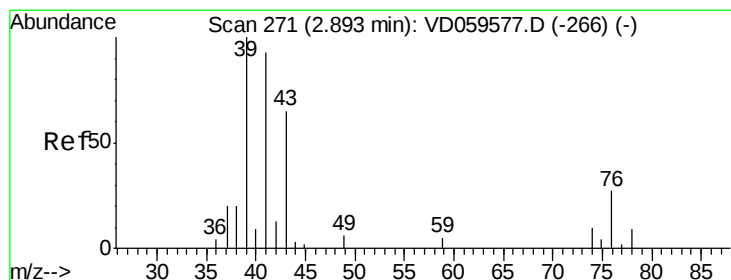
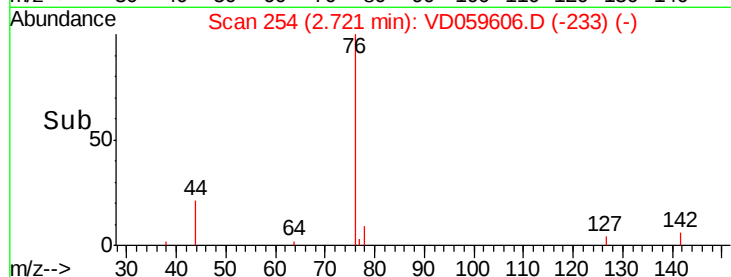
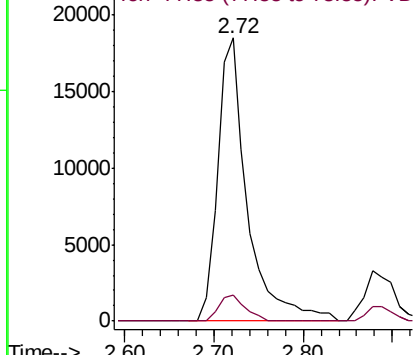
#17
Carbon Disulfide
Concen: 19.55 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

Tot Ion: 76 Resp: 42876
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

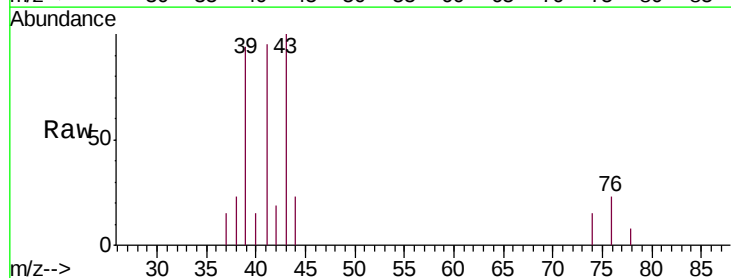


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

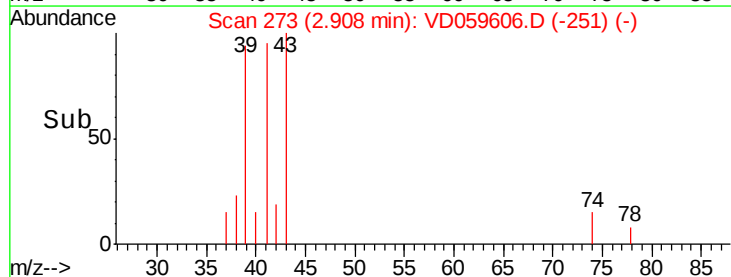
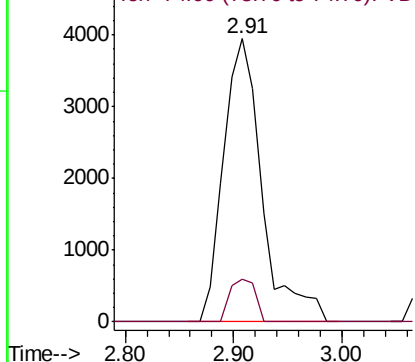


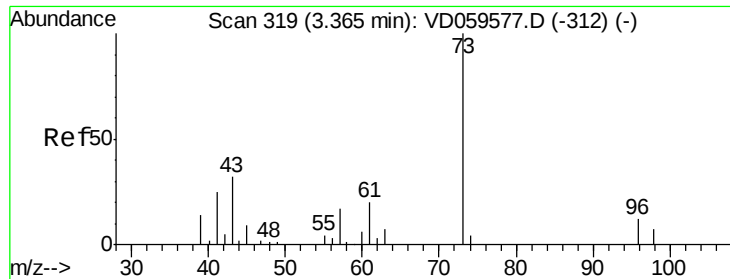
#18
Methyl Acetate
Concen: 19.83 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 43 Resp: 9809
Ion Ratio Lower Upper
43 100
74 14.9 13.0 19.4



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

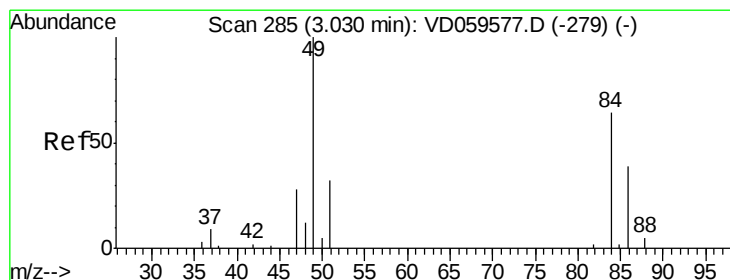
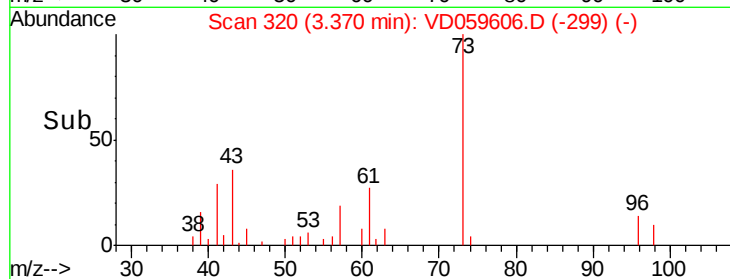
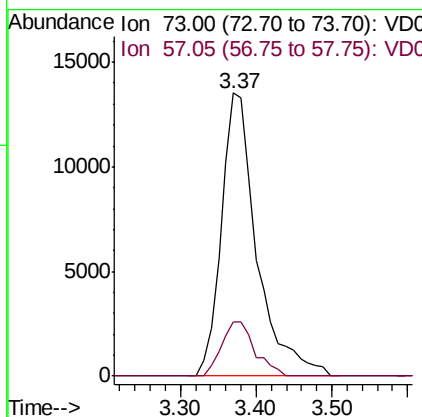
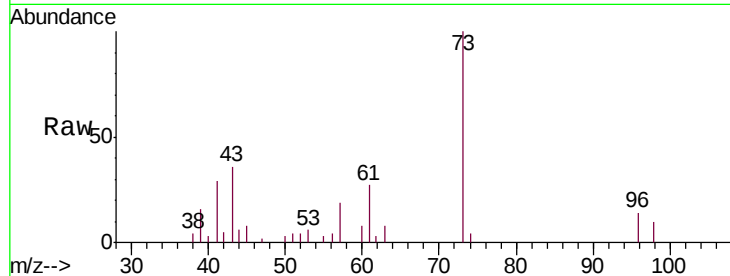




#19
Methvl tert-butvl Ether
Concen: 23.63 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

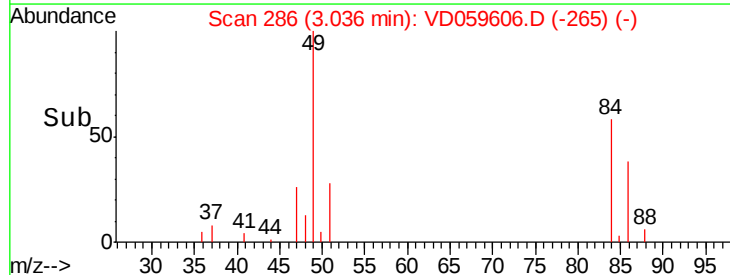
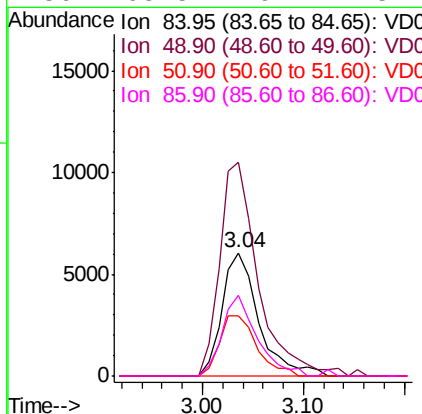
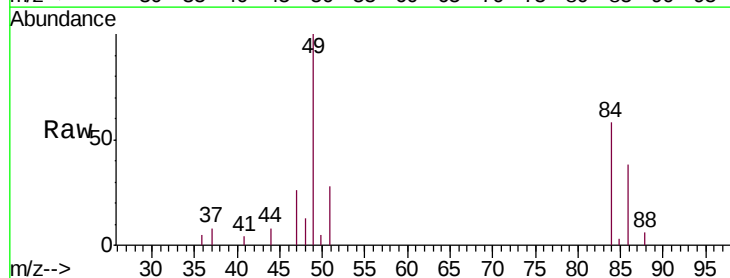
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

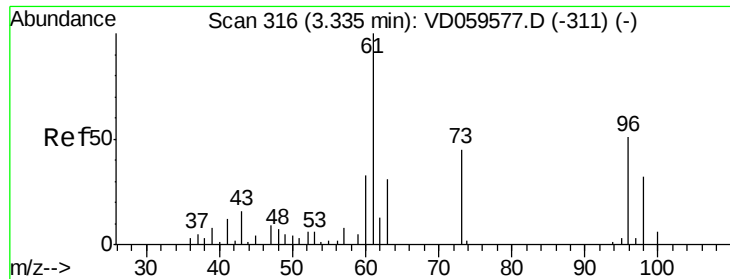
Tot Ion: 73 Resp: 43724
Ion Ratio Lower Upper
73 100
57 19.0 13.4 20.2



#20
Methylene Chloride
Concen: 21.68 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 84 Resp: 15293
Ion Ratio Lower Upper
84 100
49 173.8 125.4 188.2
51 49.1 39.7 59.5
86 65.5 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 22.82 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

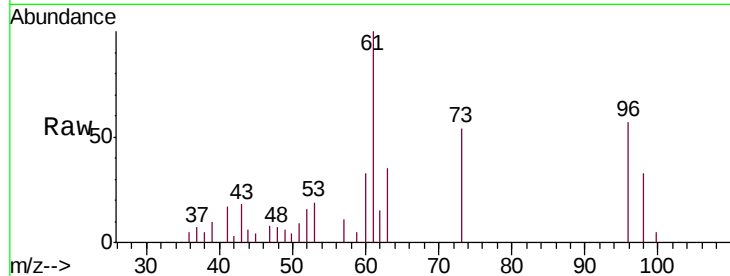
Tot Ion: 96 Resp: 13584

Ion Ratio Lower Upper

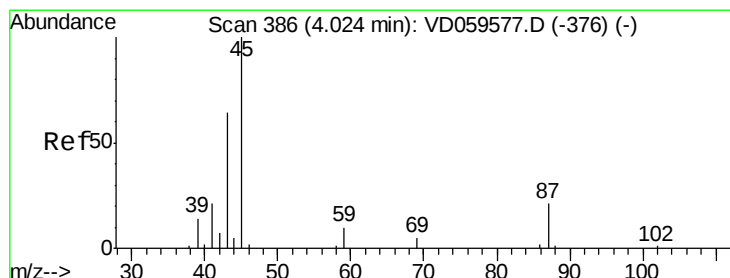
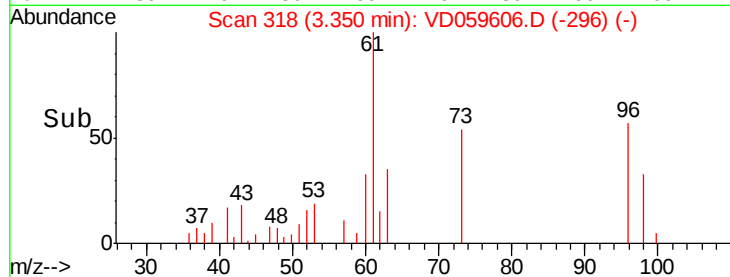
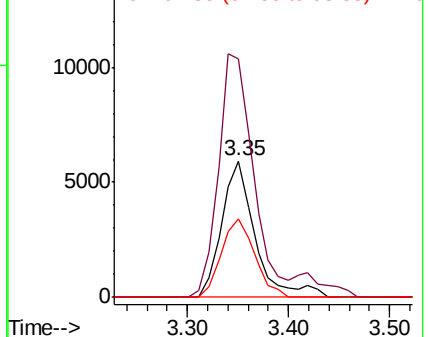
96 100

61 175.2 155.8 233.6

98 57.7 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: 21.10 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Tgt Ion: 45 Resp: 74293

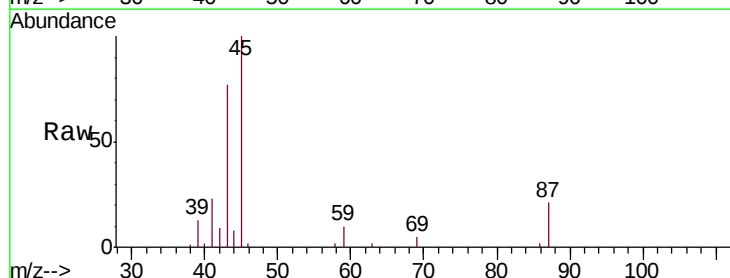
Ion Ratio Lower Upper

45 100

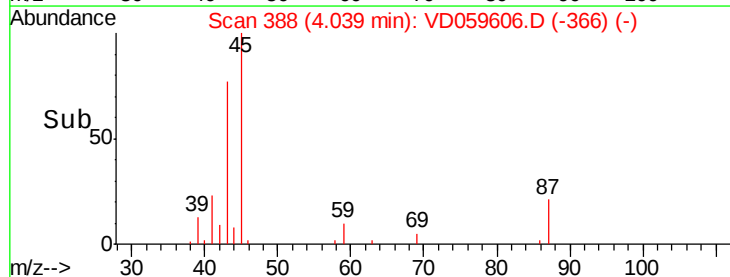
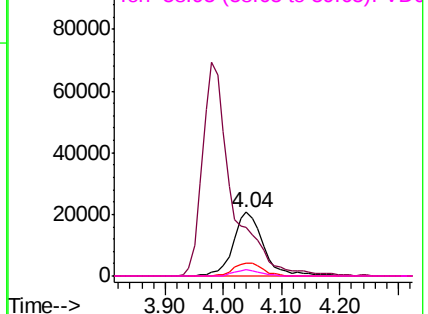
43 77.3 59.4 89.2

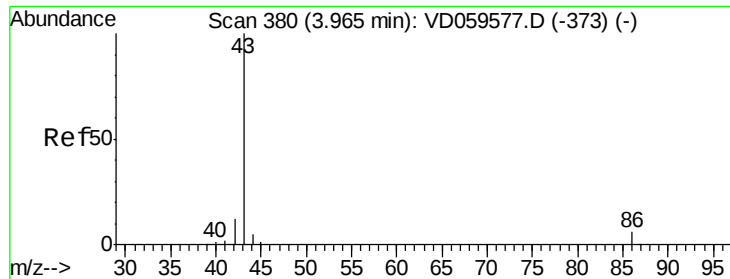
87 20.8 16.7 25.1

59 9.7 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: 108.02 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

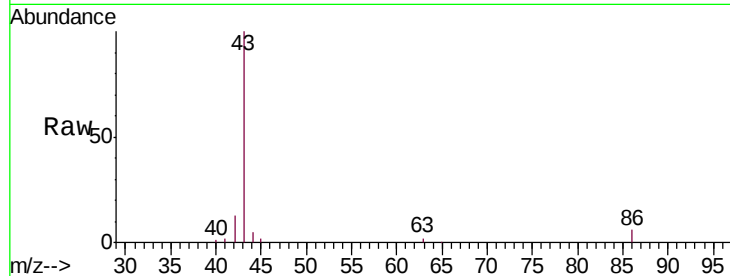
VD0726SBS01

Tot Ion: 43 Resp: 241321

Ion Ratio Lower Upper

43 100

86 6.0 5.1 7.7



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

Ion 86.00 (85.70 to 86.70): VD059577.D (-373) (-)

3.98

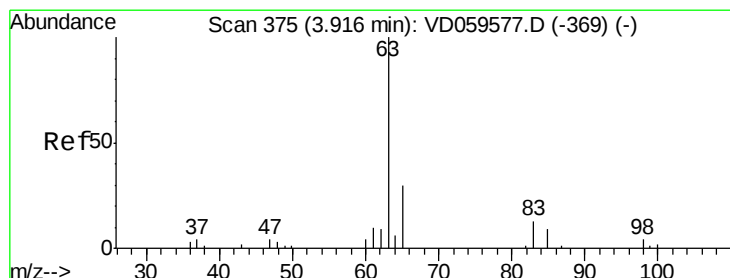
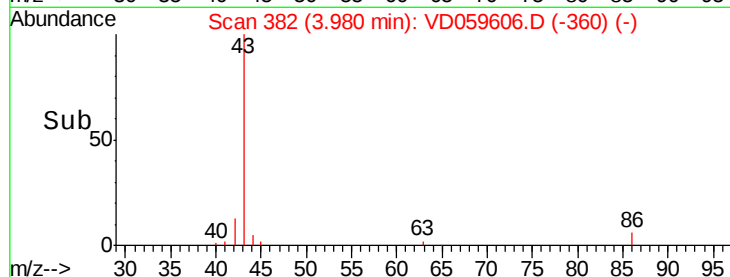
60000

40000

20000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 20.82 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

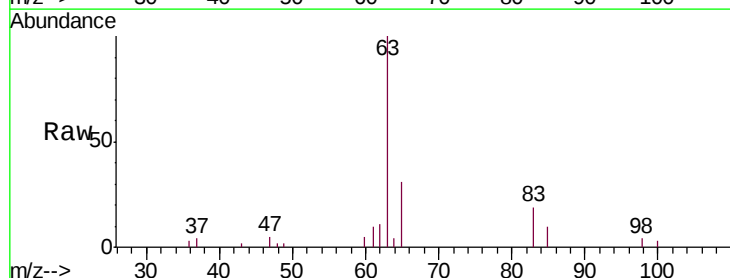
Tgt Ion: 63 Resp: 46274

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.5

100 2.9 1.1 3.3



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

Ion 97.95 (97.65 to 98.65): VD059577.D (-369) (-)

Ion 99.95 (99.65 to 100.65): VD059577.D (-369) (-)

3.93

20000

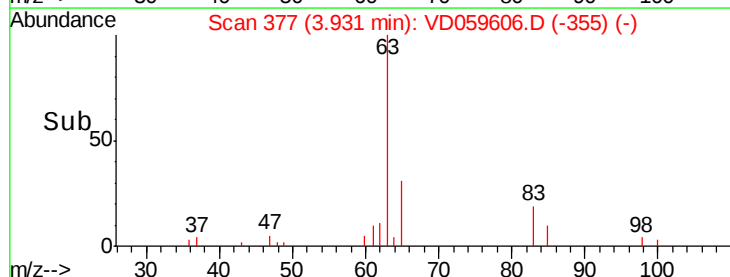
15000

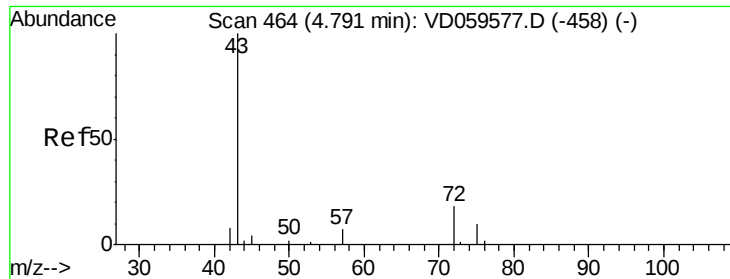
10000

5000

0

Time--> 3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 103.78 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

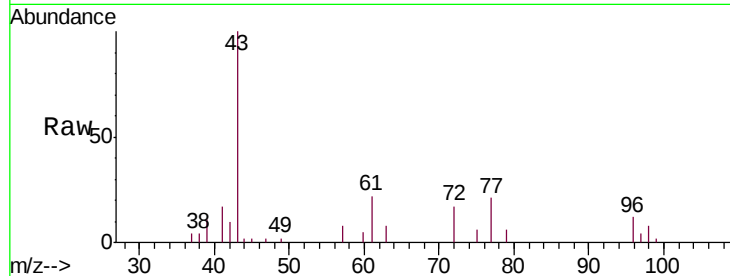
VD0726SBS01

Tot Ion: 43 Resp: 39144

Ion Ratio Lower Upper

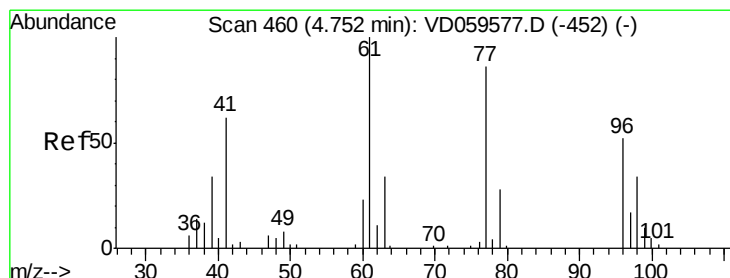
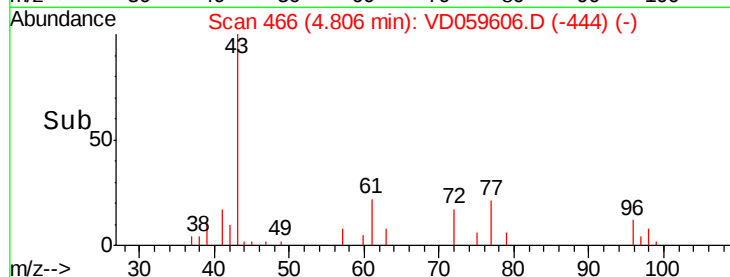
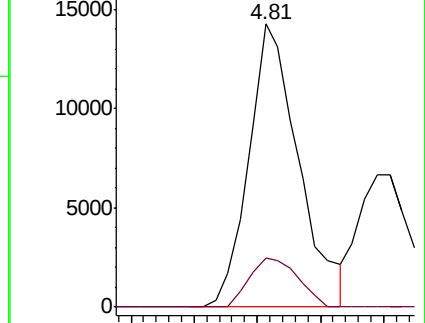
43 100

72 17.4 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.46 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059606.D

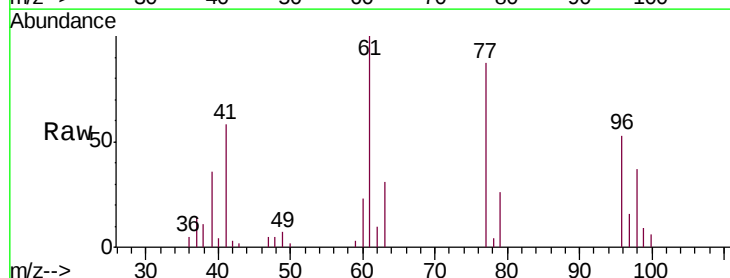
Acq: 26 Jul 2018 15:44

Tgt Ion: 77 Resp: 51107

Ion Ratio Lower Upper

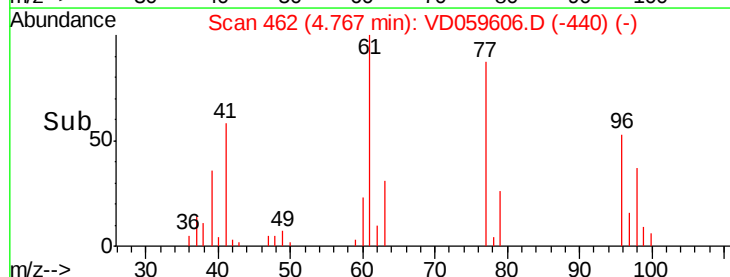
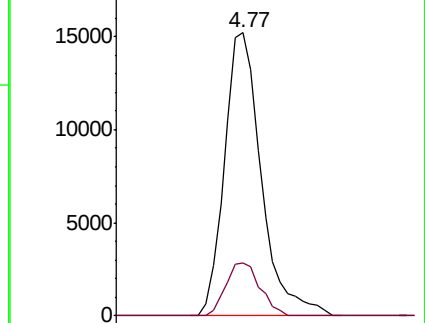
77 100

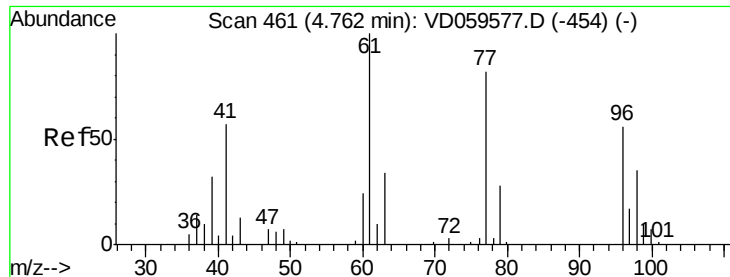
97 18.9 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



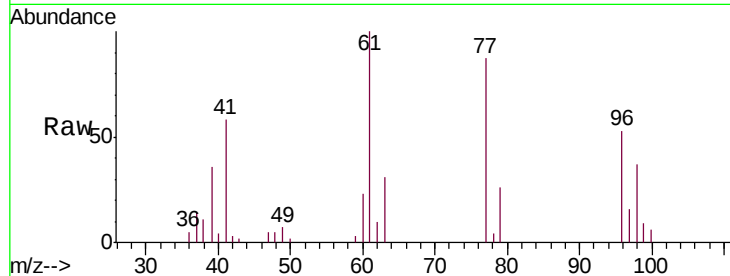


#27

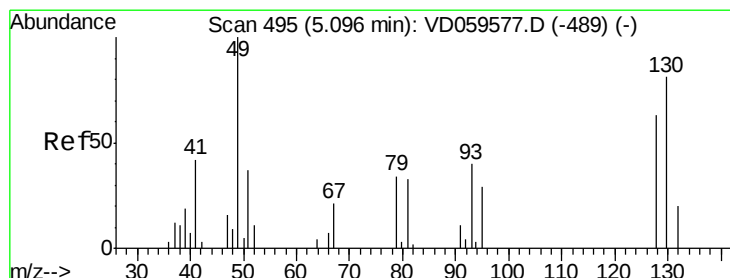
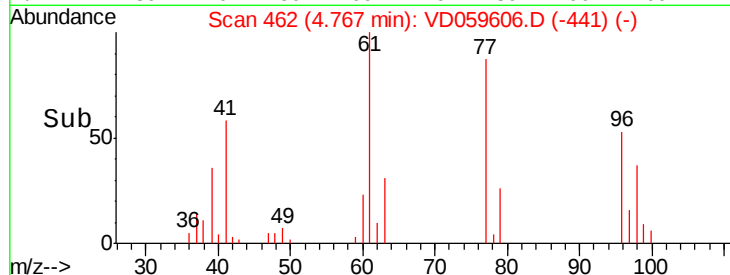
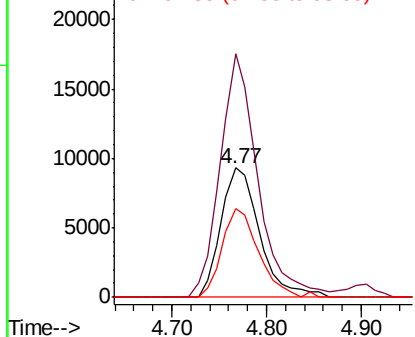
cis-1,2-Dichloroethene
 Concen: 22.25 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Tot Ion: 96 Resp: 26463
 Ion Ratio Lower Upper
 96 100
 61 188.0 0.0 355.0
 98 68.9 0.0 125.8



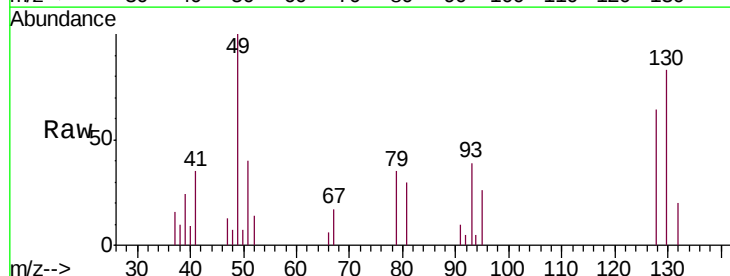
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



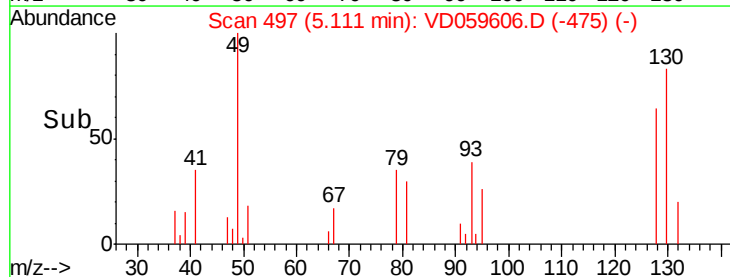
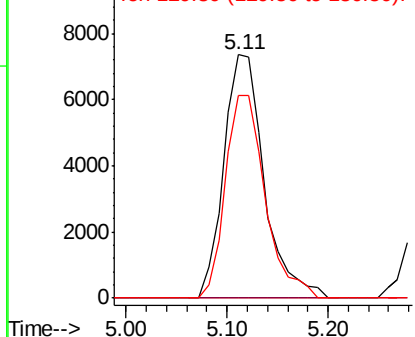
#28

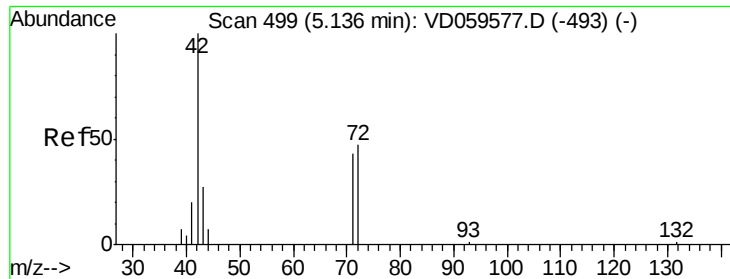
Bromochloromethane
 Concen: 23.25 ug/l
 RT: 5.11 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion: 49 Resp: 20448
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 83.0 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: 99.73 ug/l

RT: 5.16 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

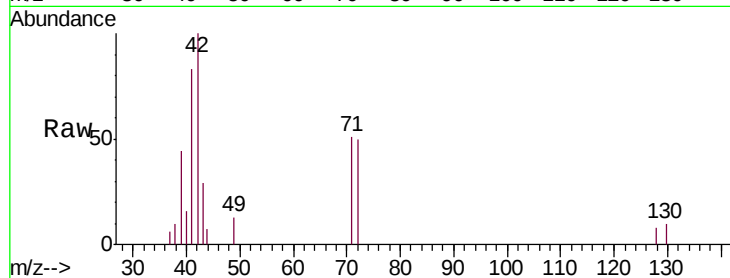
Tot Ion: 42 Resp: 17418

Ion Ratio Lower Upper

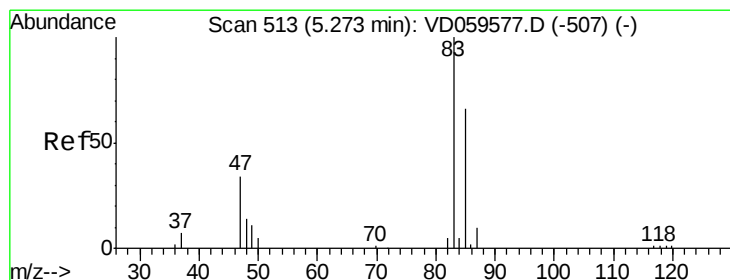
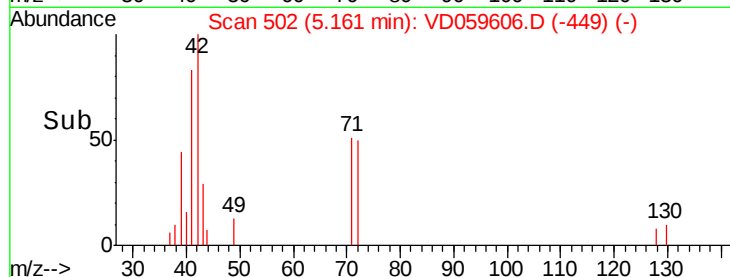
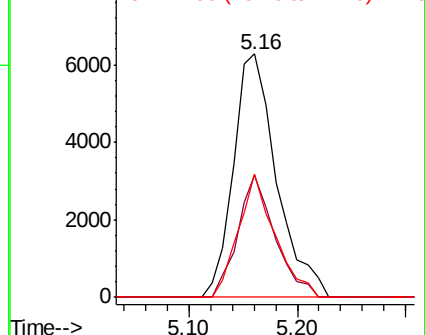
42 100

72 43.2 35.0 52.4

71 43.2 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: 23.18 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.03 min

Lab File: VD059606.D

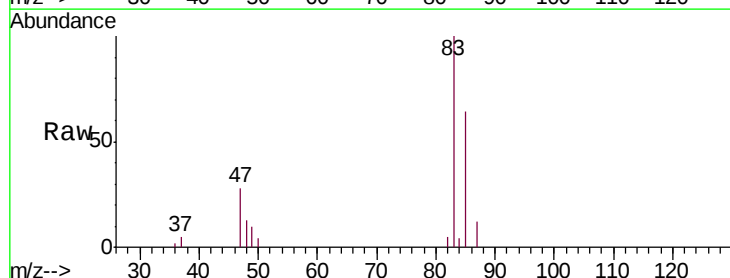
Acq: 26 Jul 2018 15:44

Tgt Ion: 83 Resp: 61614

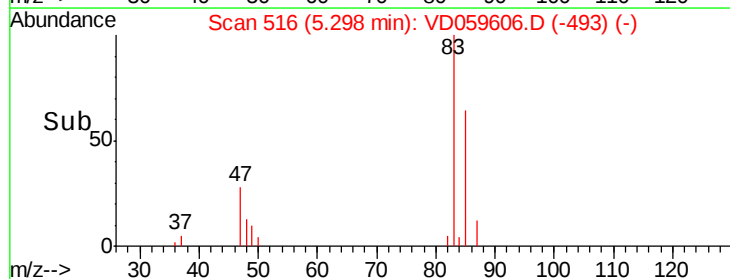
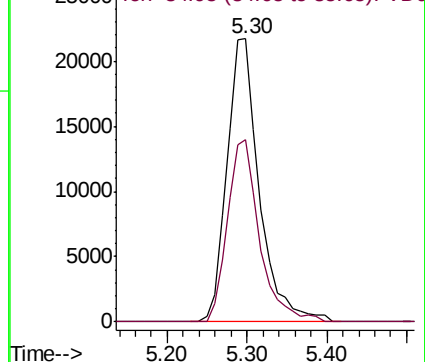
Ion Ratio Lower Upper

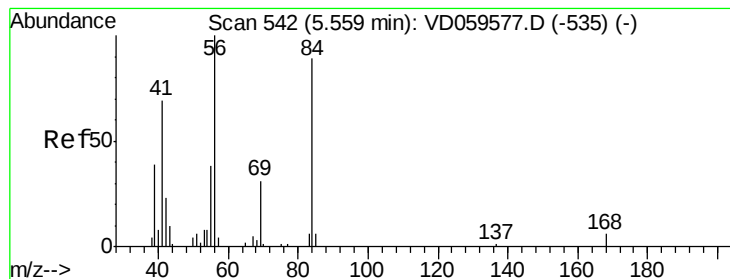
83 100

85 64.4 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: 19.50 ug/l

RT: 5.56 min Scan# 543

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

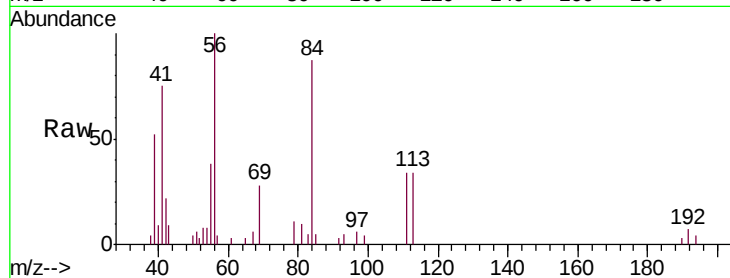
Tot Ion: 56 Resp: 32653

Ion Ratio Lower Upper

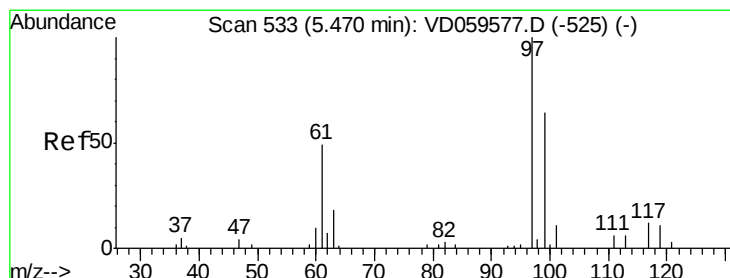
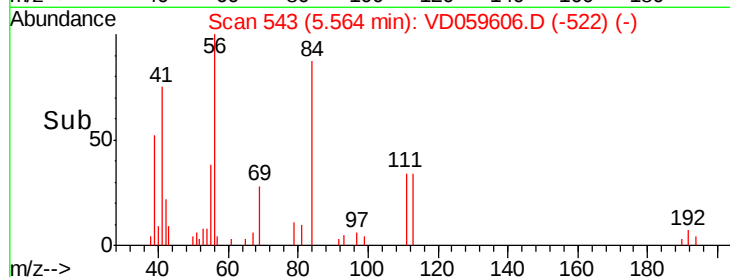
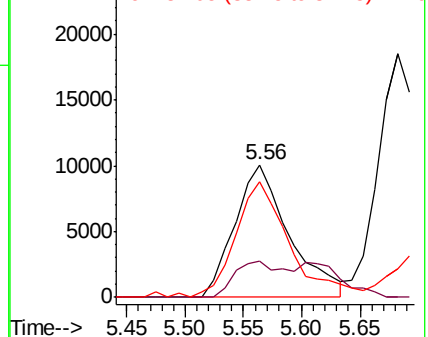
56 100

69 27.5 24.6 37.0

84 87.1 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 21.16 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

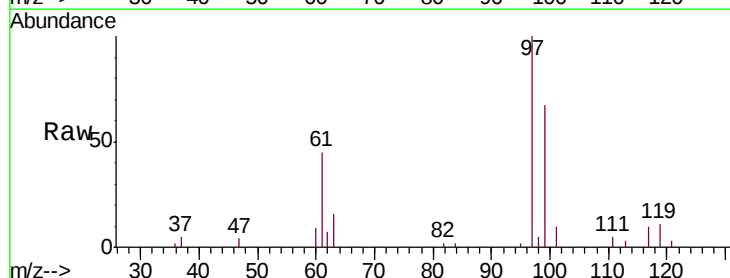
Tgt Ion: 97 Resp: 54455

Ion Ratio Lower Upper

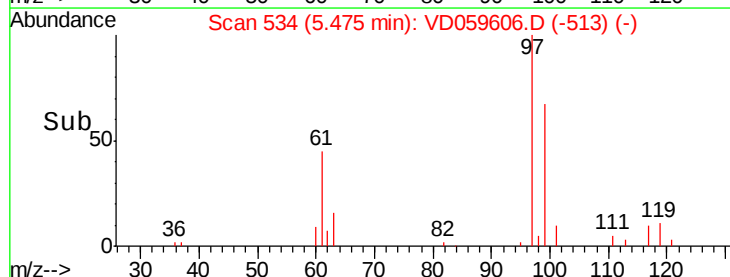
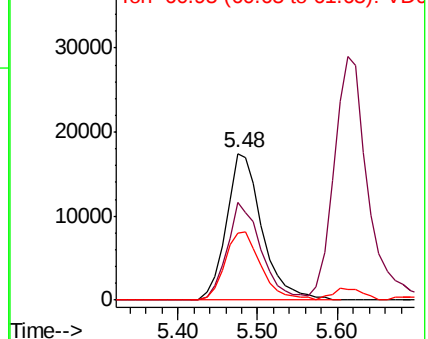
97 100

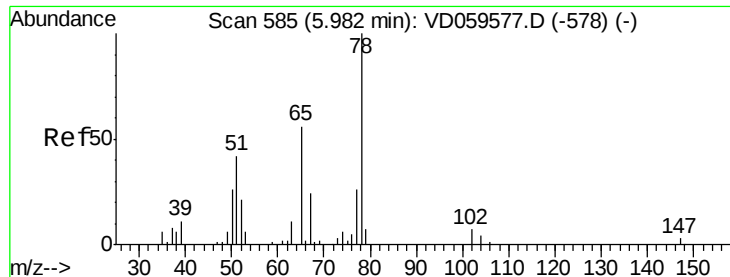
99 67.0 50.9 76.3

61 45.4 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 21.16 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

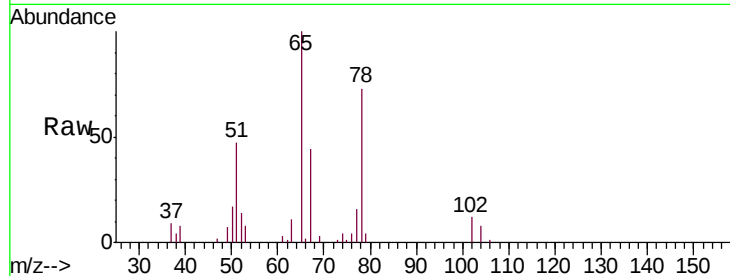
VD0726SBSD01

Tot Ion: 65 Resp: 89180

Ion Ratio Lower Upper

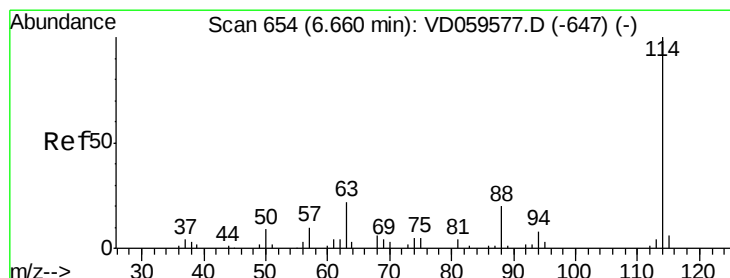
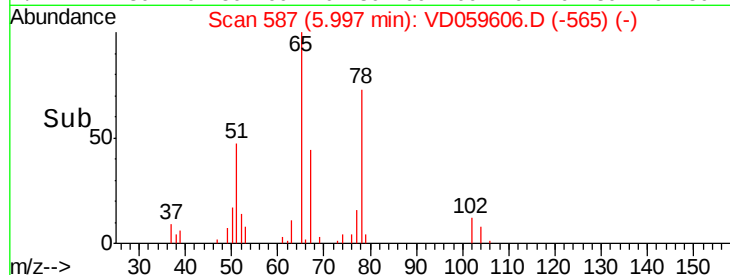
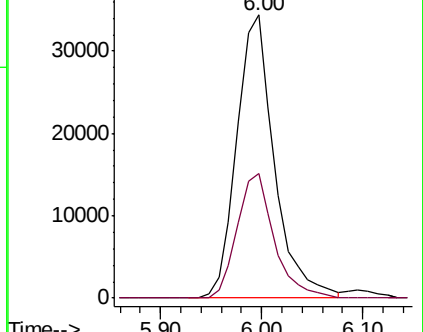
65 100

67 43.8 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

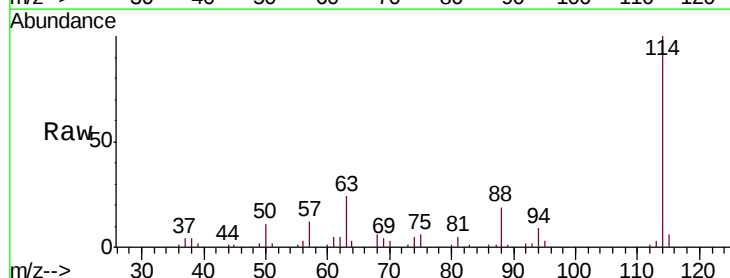
Tgt Ion: 114 Resp: 170298

Ion Ratio Lower Upper

114 100

63 23.5 0.0 43.8

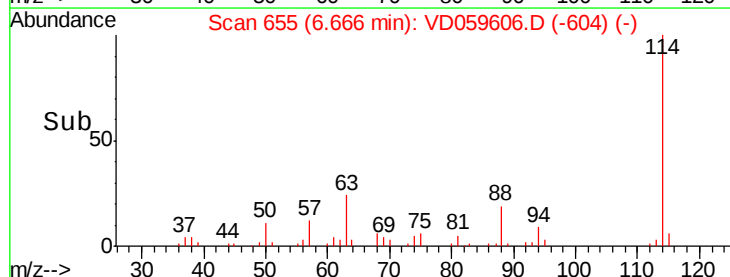
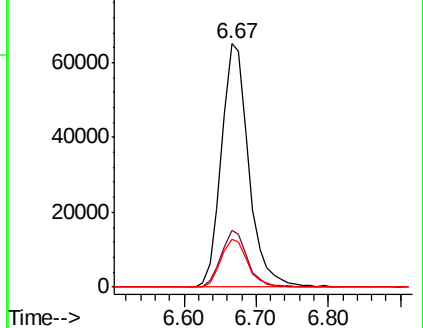
88 19.4 0.0 39.0

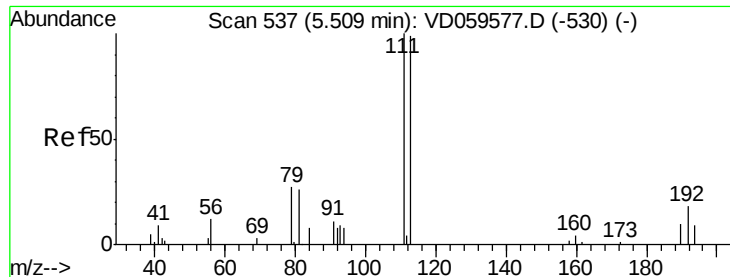


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

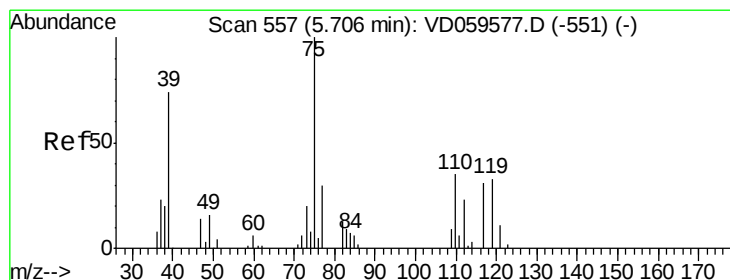
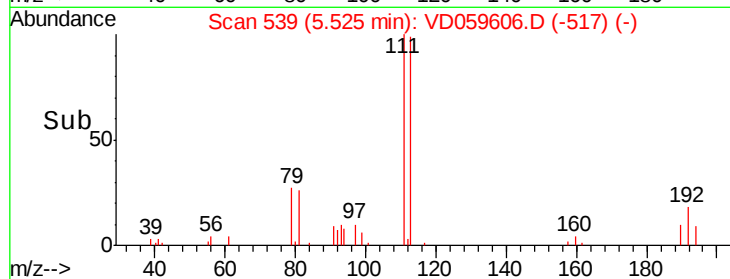
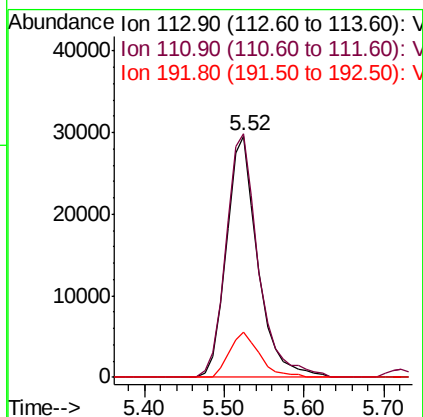
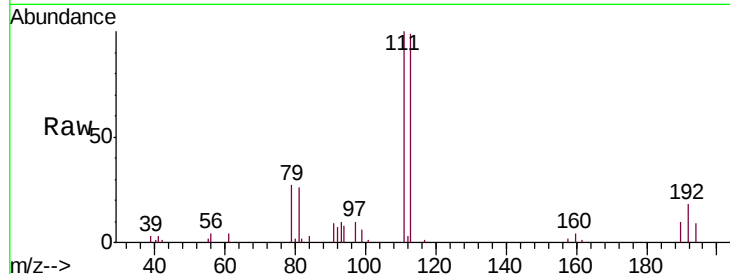




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

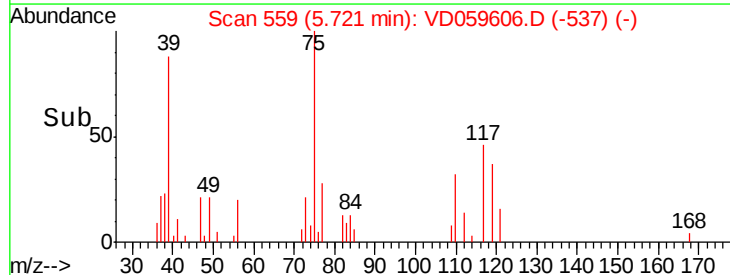
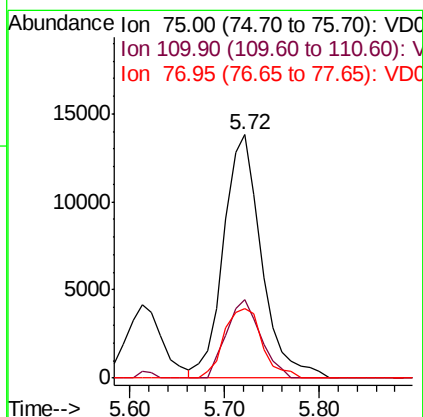
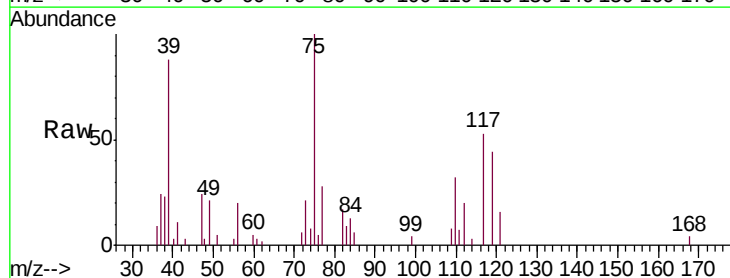
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

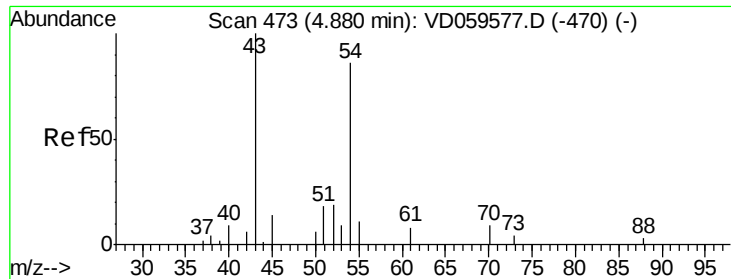
Tot Ion:113 Resp: 81023
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.5 120.7
 192 18.6 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 22.49 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion: 75 Resp: 38428
 Ion Ratio Lower Upper
 75 100
 110 32.2 17.0 50.9
 77 28.3 23.6 35.4

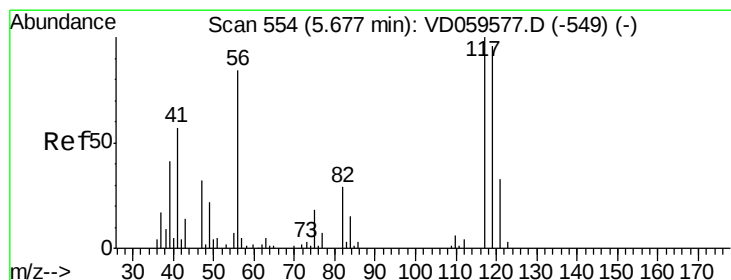
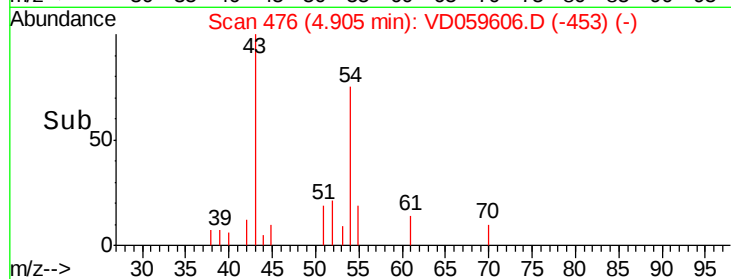
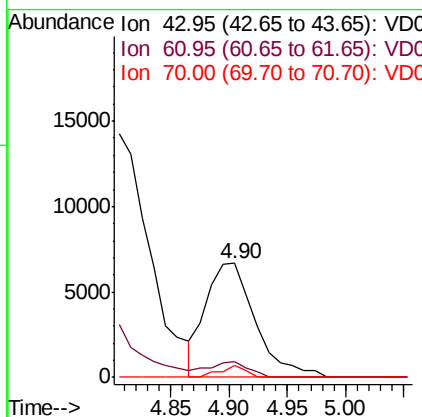
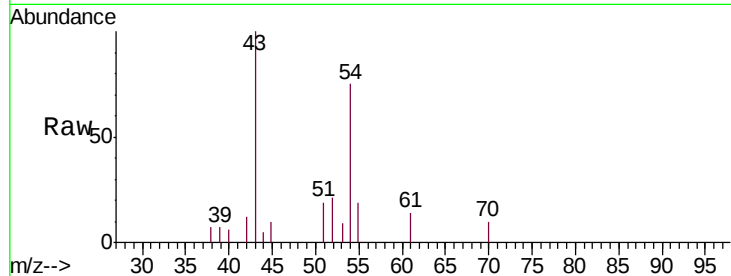




#37
Ethyl Acetate
Concen: 22.49 ug/l
RT: 4.90 min Scan# 476
Delta R.T. 0.03 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

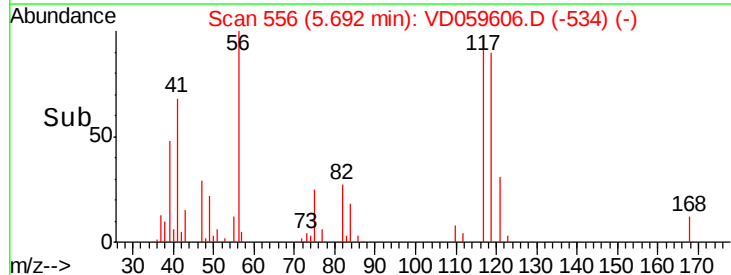
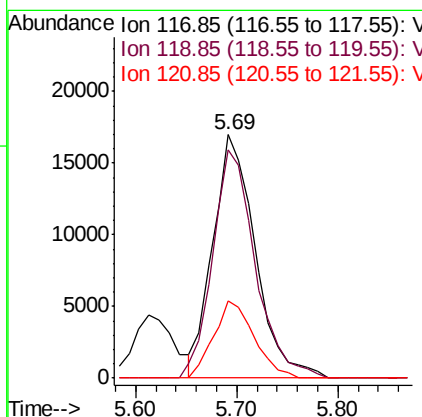
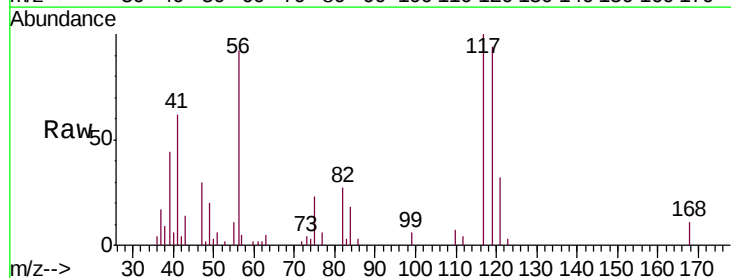
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

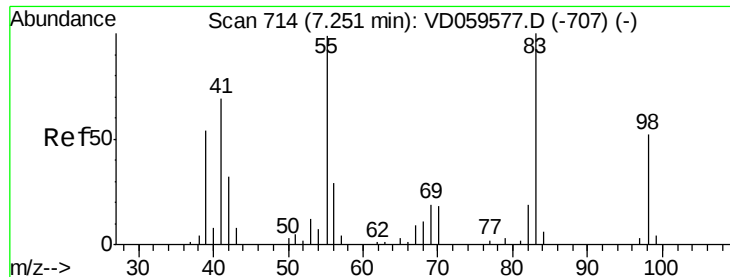
Tot Ion: 43 Resp: 19772
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 10.3 5.4 8.0#



#38
Carbon Tetrachloride
Concen: 21.20 ug/l
RT: 5.69 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 117 Resp: 49602
Ion Ratio Lower Upper
117 100
119 93.6 73.6 110.4
121 31.9 25.0 37.6

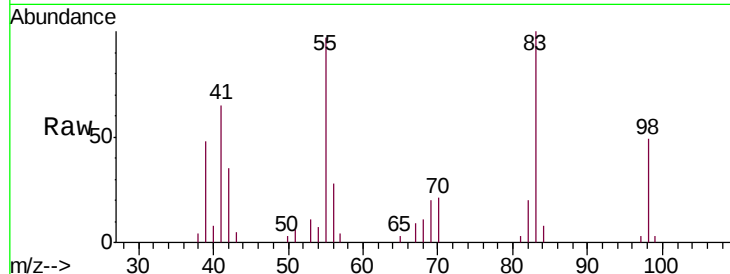




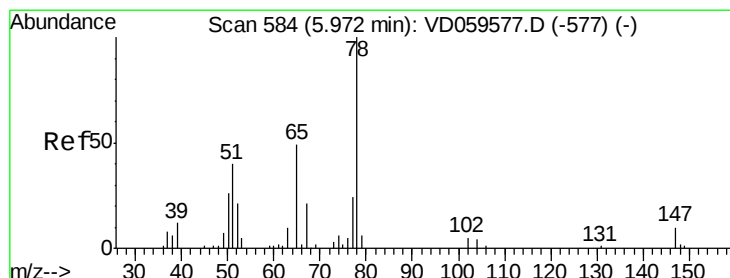
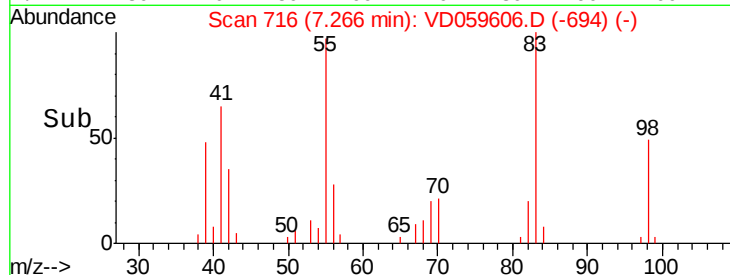
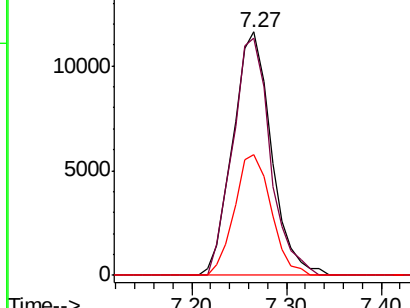
#39
Methylcyclohexane
Concen: 20.88 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion: 83 Resp: 32807
Ion Ratio Lower Upper
83 100
55 97.4 79.4 119.0
98 49.4 41.6 62.4

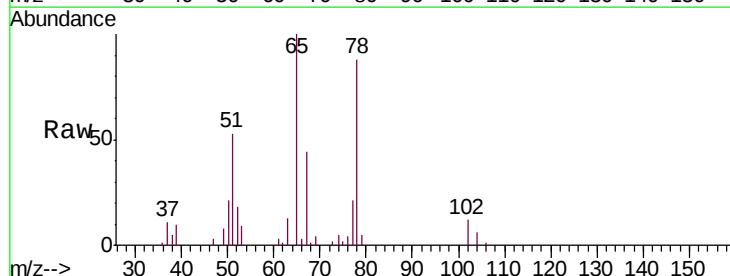


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

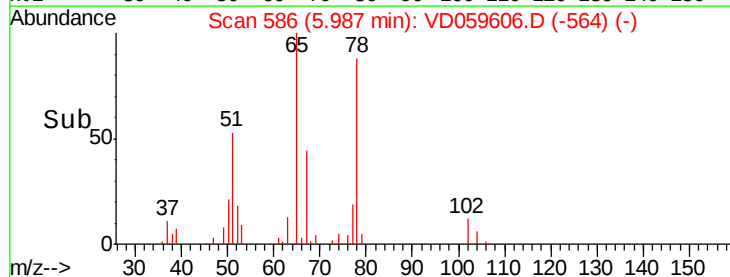
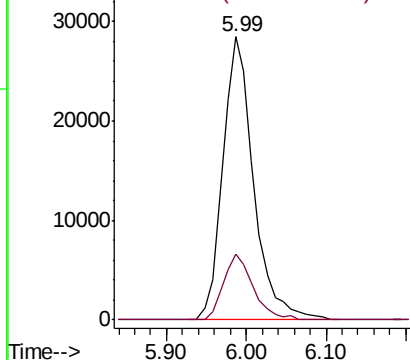


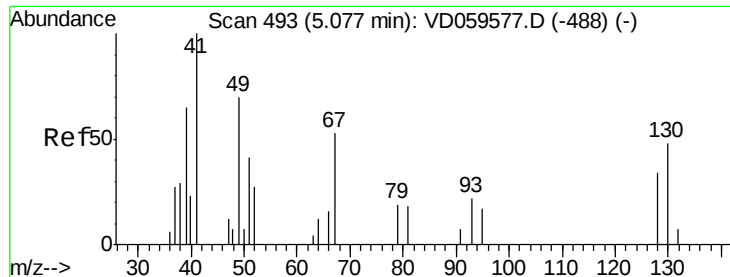
#40
Benzene
Concen: 21.93 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 78 Resp: 76863
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



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

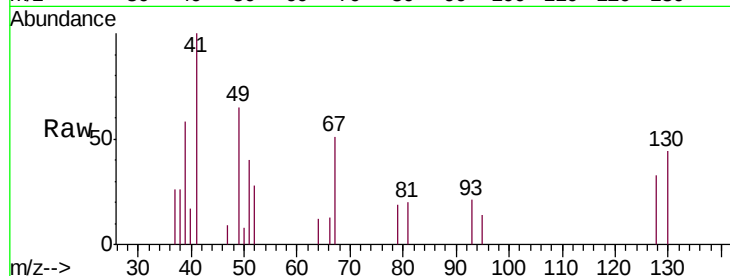




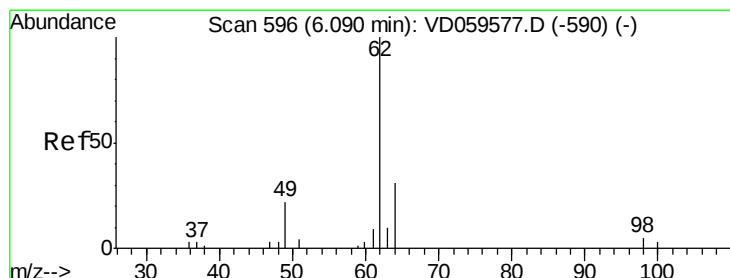
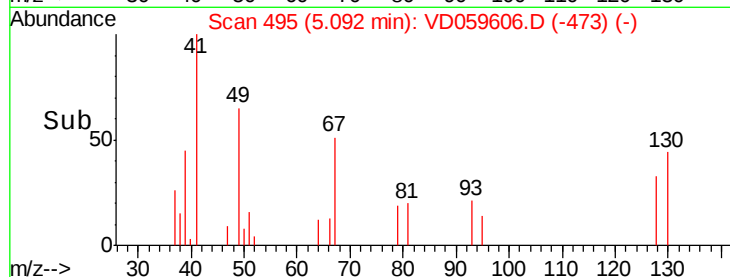
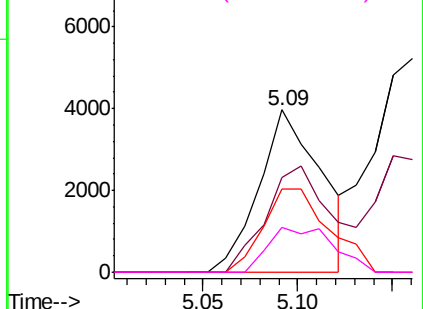
#41
Methacrylonitrile
Concen: 20.77 ug/l
RT: 5.09 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion:	41	Resp:	9113
Ion	Ratio	Lower	Upper
41	100		
39	58.3	52.1	78.1
67	51.1	42.5	63.7
52	27.5	21.8	32.8

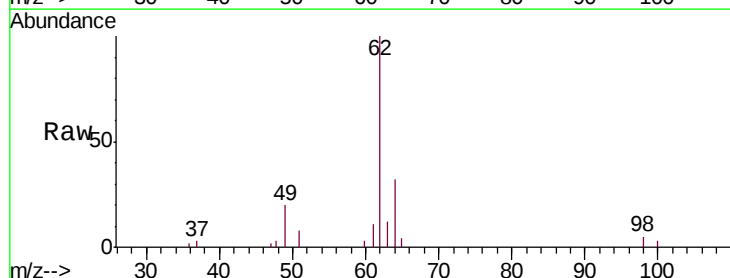


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

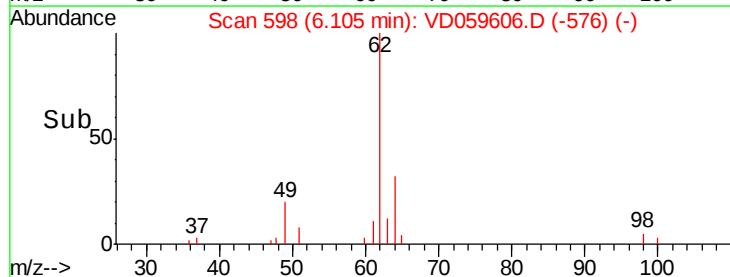
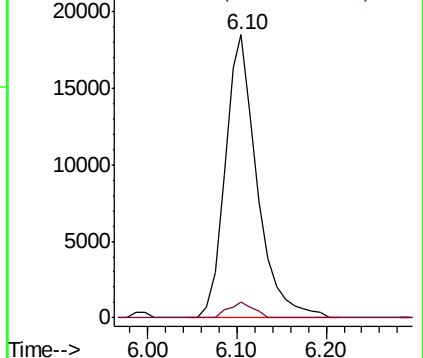


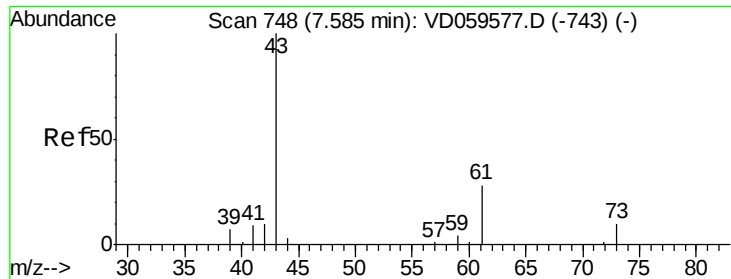
#42
1,2-Dichloroethane
Concen: 21.80 ug/l
RT: 6.10 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:	62	Resp:	46024
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



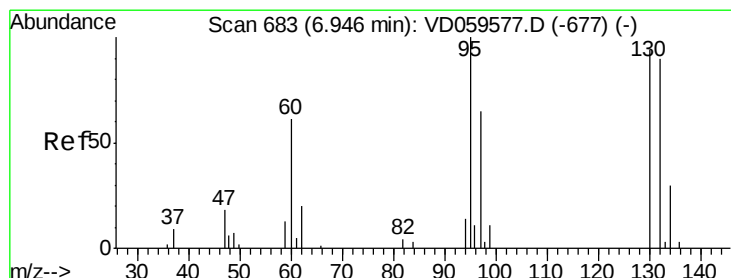
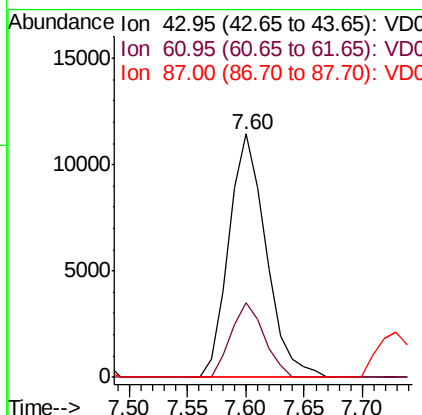
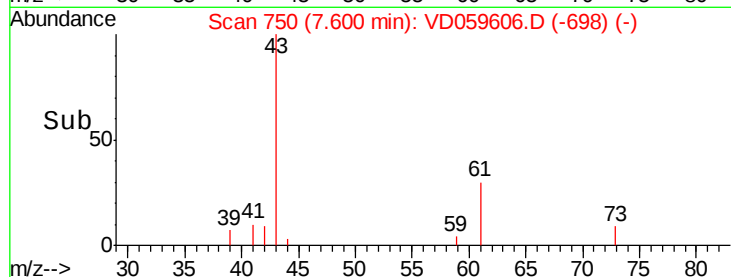
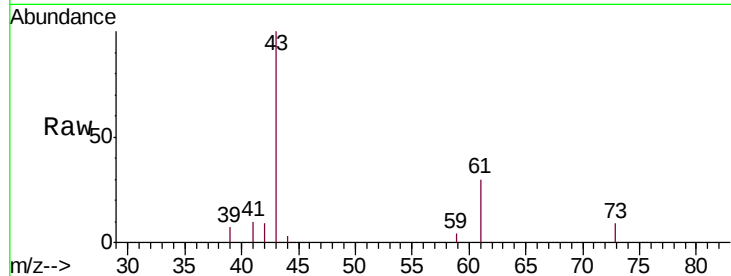


#43

Isopropyl Acetate
 Concen: 20.75 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

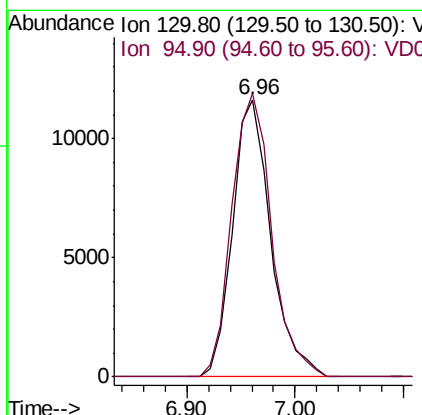
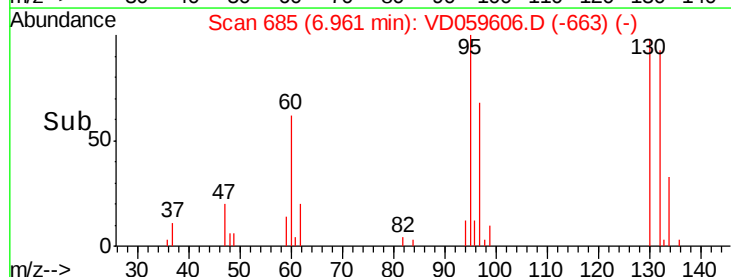
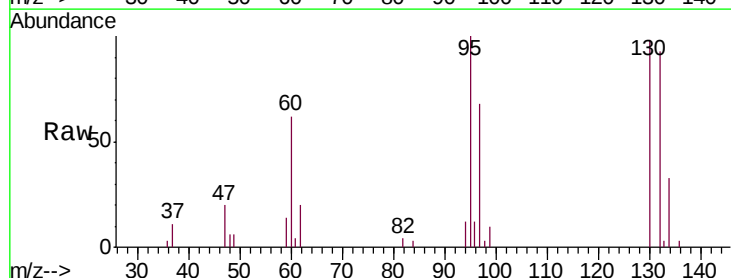
Tot Ion: 43 Resp: 25297
 Ion Ratio Lower Upper
 43 100
 61 30.5 22.0 33.0
 87 0.0 0.0 0.0

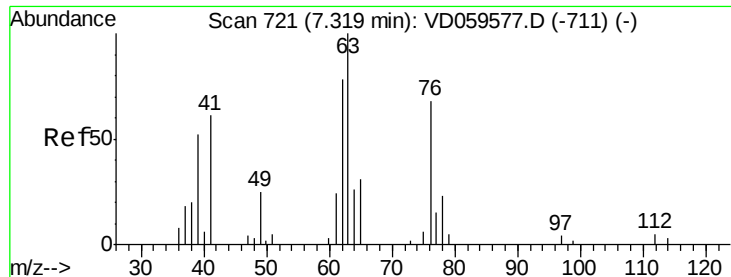


#44

Trichloroethene
 Concen: 22.32 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion:130 Resp: 28375
 Ion Ratio Lower Upper
 130 100
 95 102.1 0.0 213.2





#45

1,2-Dichloropropane

Concen: 20.50 ug/l

RT: 7.32 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

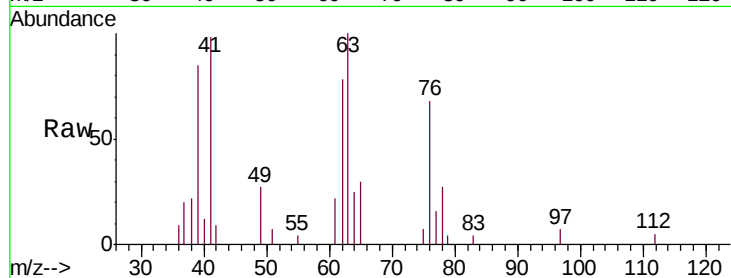
VD0726SBS01

Tot Ion: 63 Resp: 20123

Ion Ratio Lower Upper

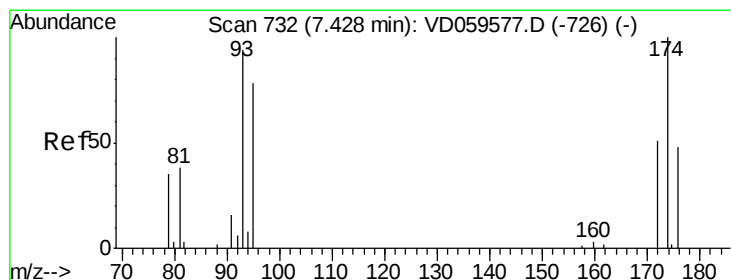
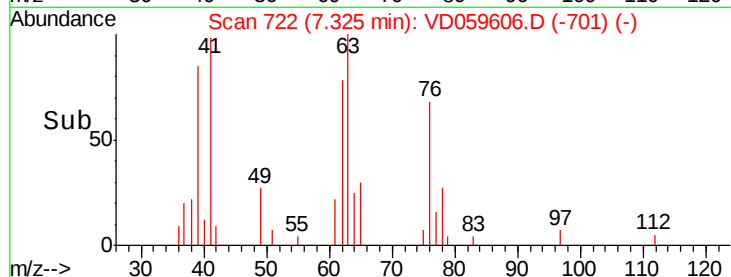
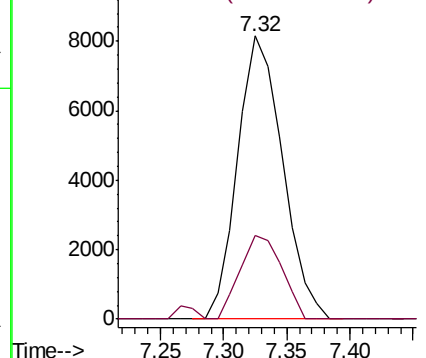
63 100

65 29.7 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.99 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

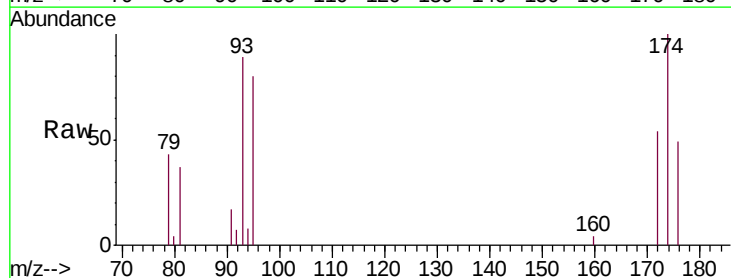
Tgt Ion: 93 Resp: 19070

Ion Ratio Lower Upper

93 100

95 89.9 65.8 98.8

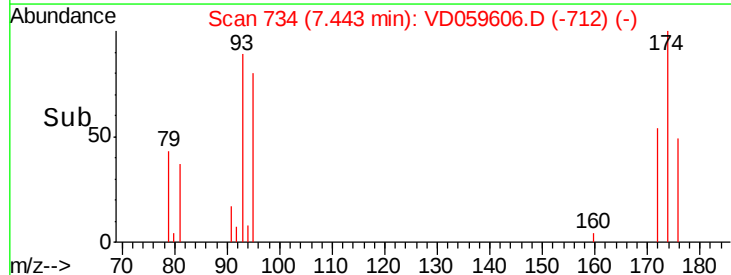
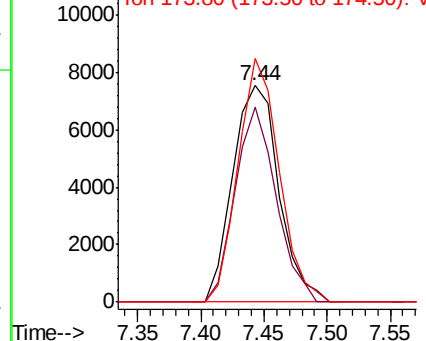
174 112.5 84.7 127.1

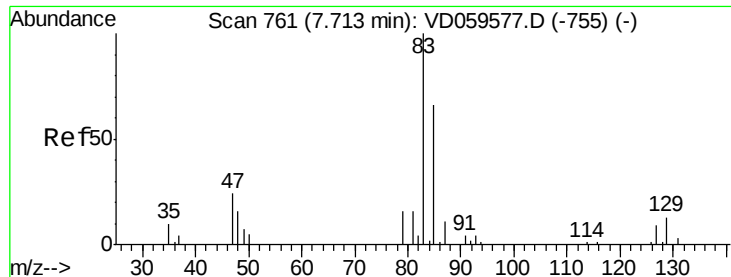


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.43 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

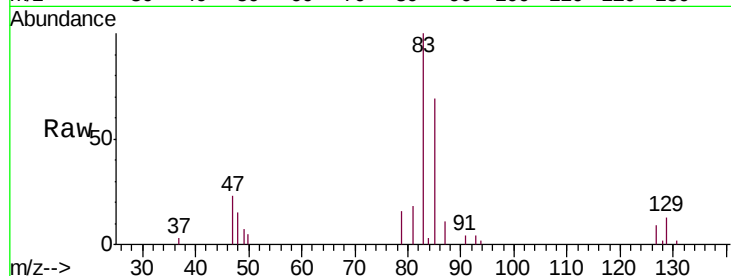
Tot Ion: 83 Resp: 44430

Ion Ratio Lower Upper

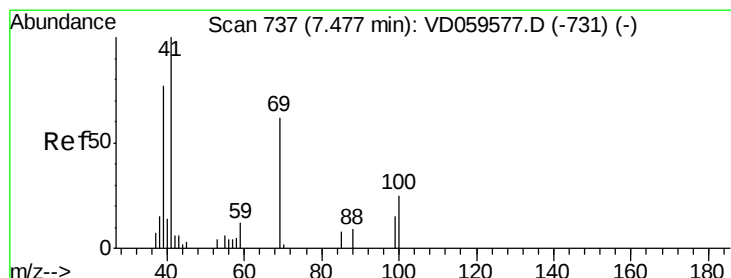
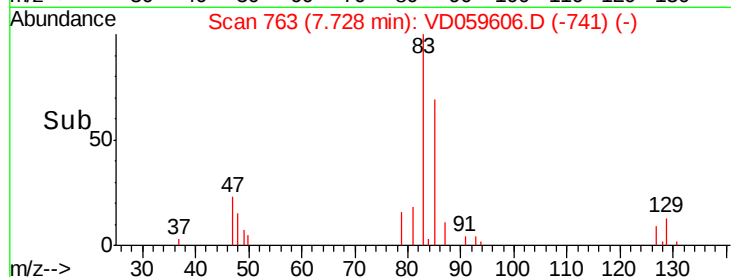
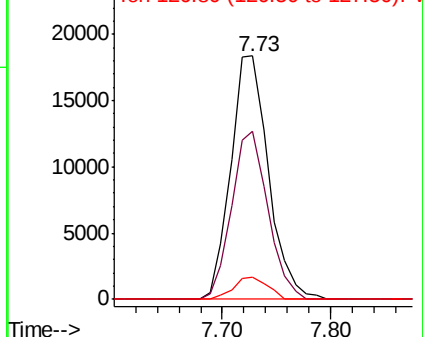
83 100

85 68.9 53.1 79.7

127 9.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 22.19 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

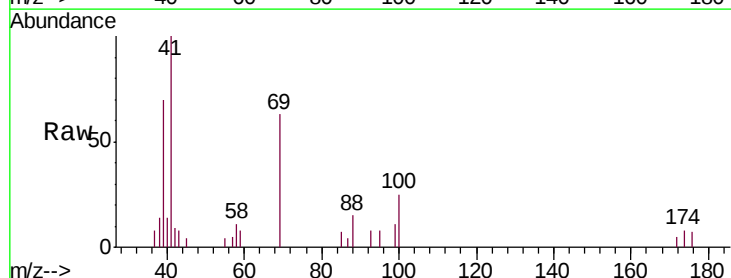
Tgt Ion: 41 Resp: 17936

Ion Ratio Lower Upper

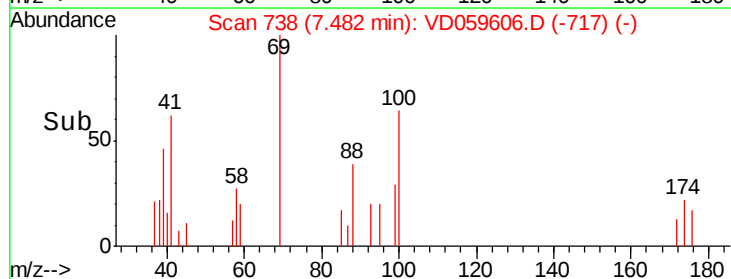
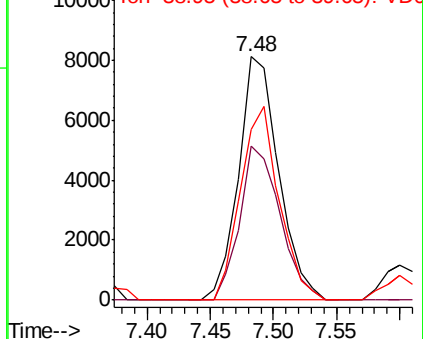
41 100

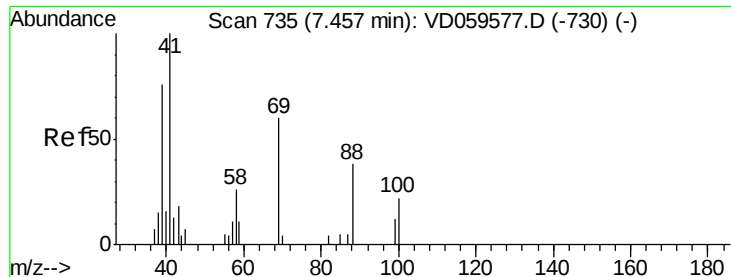
69 63.1 49.4 74.0

39 70.2 61.3 91.9



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





#49

1,4-Dioxane

Concen: 429.77 ug/l

RT: 7.47 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

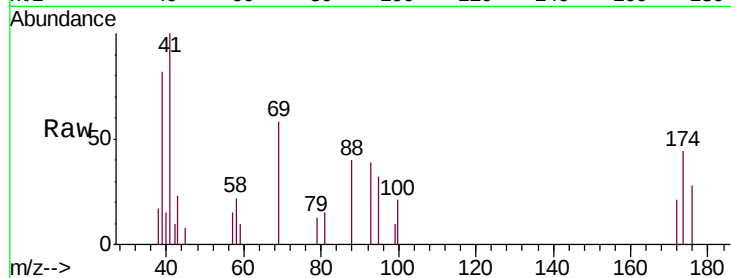
Tot Ion: 88 Resp: 3152

Ion Ratio Lower Upper

88 100

43 57.6 37.4 56.2#

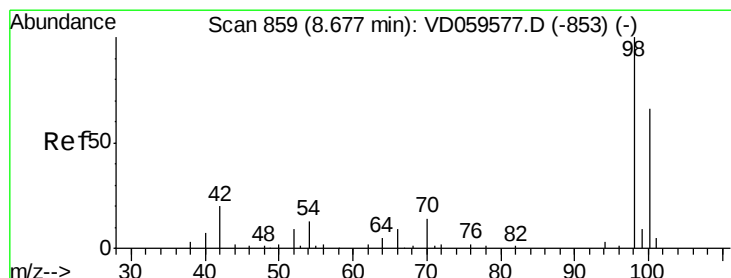
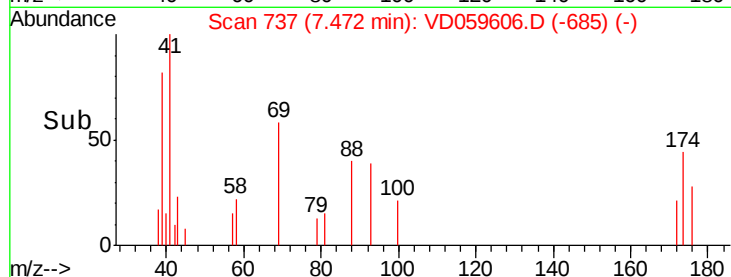
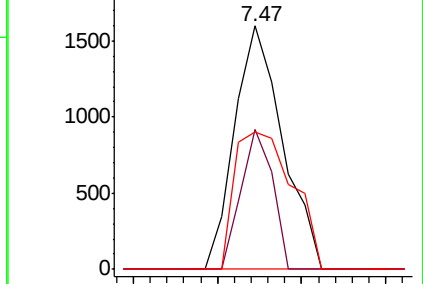
58 56.5 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 429.77 ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059606.D

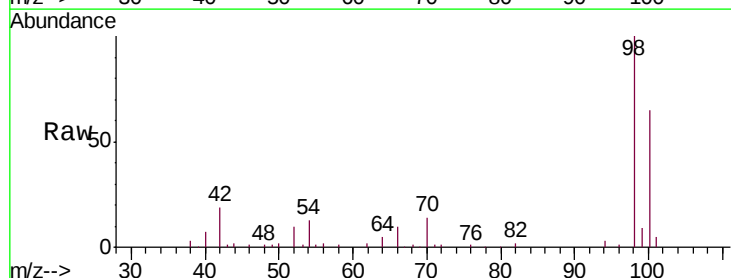
Acq: 26 Jul 2018 15:44

Tgt Ion: 98 Resp: 173235

Ion Ratio Lower Upper

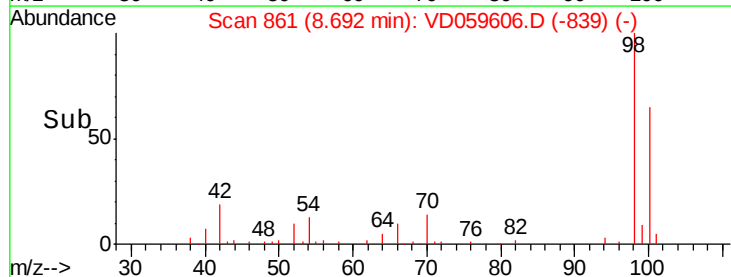
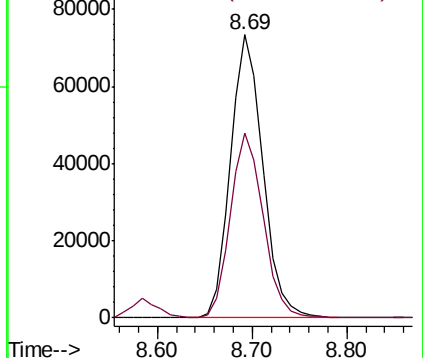
98 100

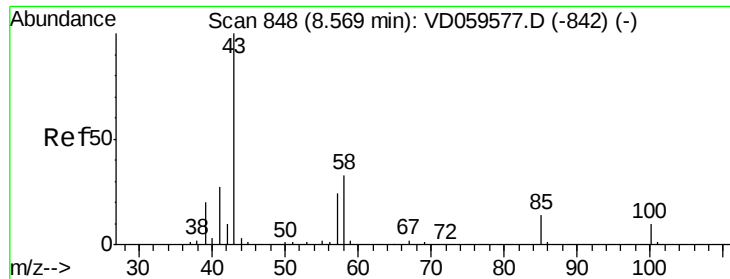
100 65.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.29 ug/l

RT: 8.58 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

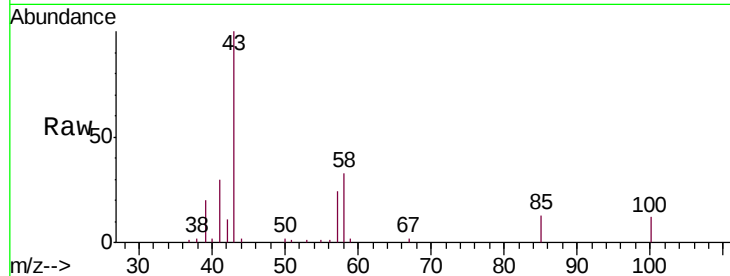
VD0726SBS01

Tot Ion: 43 Resp: 89772

Ion Ratio Lower Upper

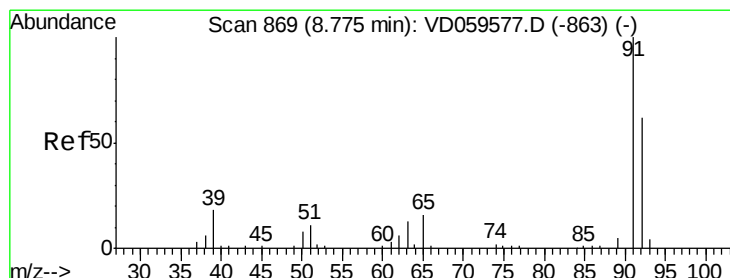
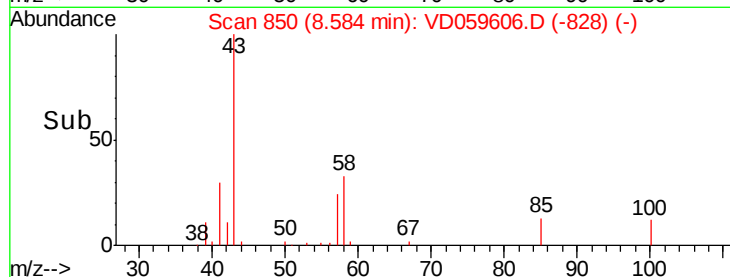
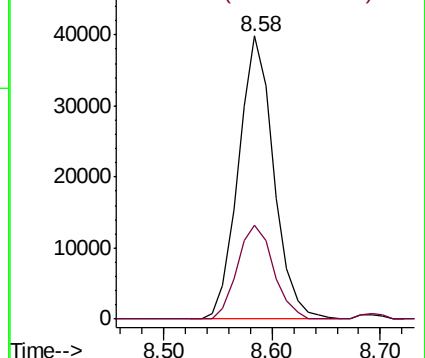
43 100

58 33.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.50 ug/l

RT: 8.79 min Scan# 871

Delta R.T. 0.02 min

Lab File: VD059606.D

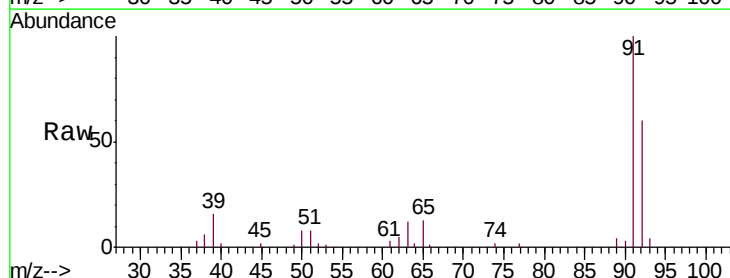
Acq: 26 Jul 2018 15:44

Tgt Ion: 92 Resp: 49956

Ion Ratio Lower Upper

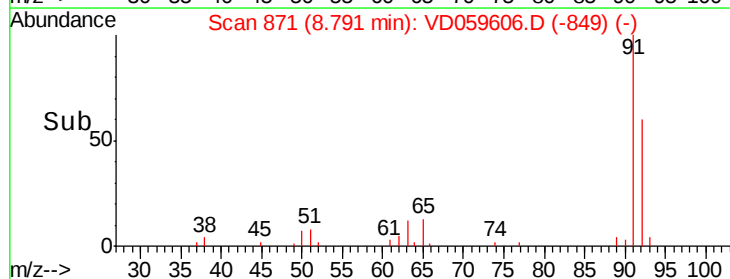
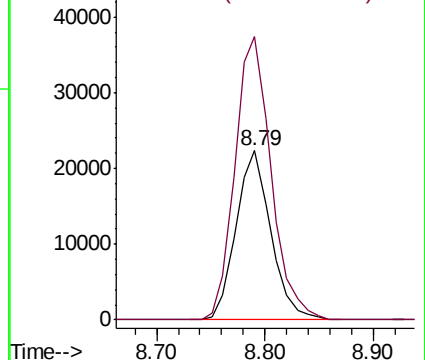
92 100

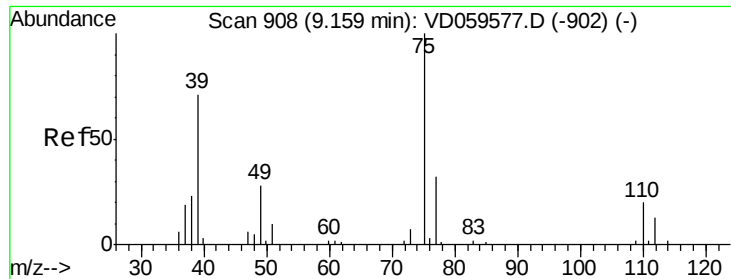
91 167.4 129.4 194.2



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: 19.82 ug/l

RT: 9.17 min Scan# 910

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

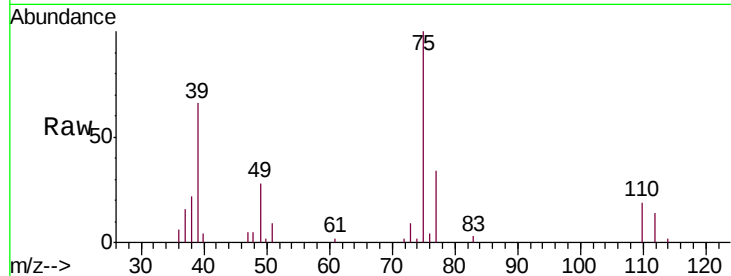
VD0726SBS01

Tot Ion: 75 Resp: 35421

Ion Ratio Lower Upper

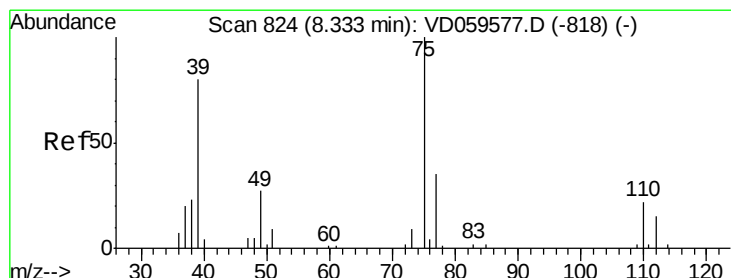
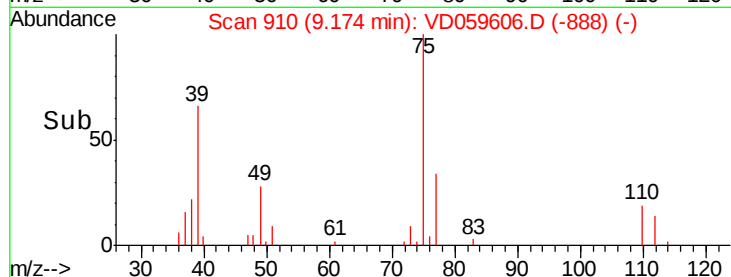
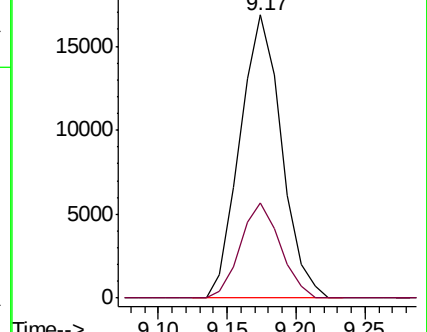
75 100

77 33.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.50 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

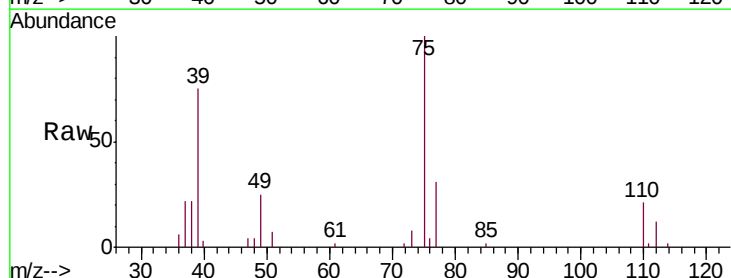
Tgt Ion: 75 Resp: 38160

Ion Ratio Lower Upper

75 100

77 30.9 27.7 41.5

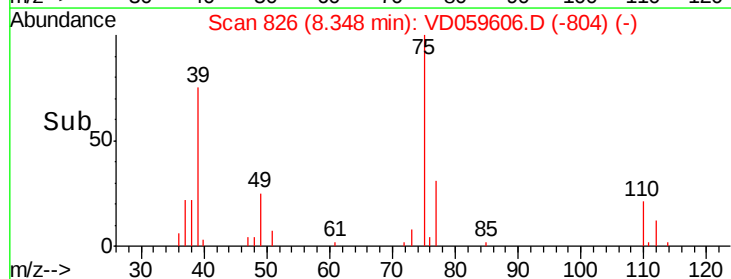
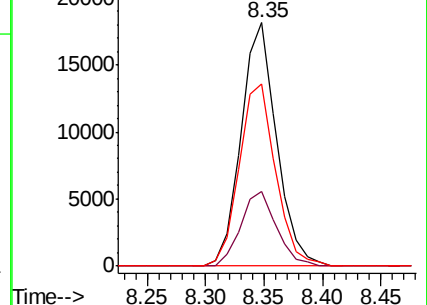
39 75.0 63.8 95.8

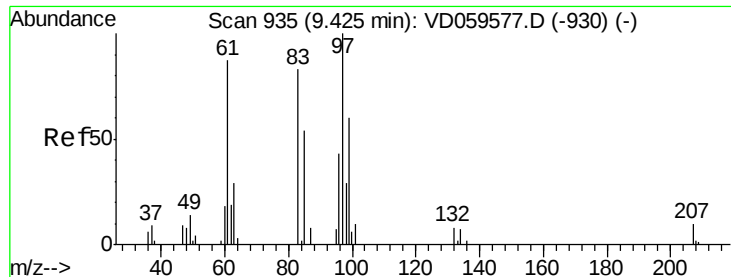


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.51 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

Tot Ion: 97 Resp: 18775

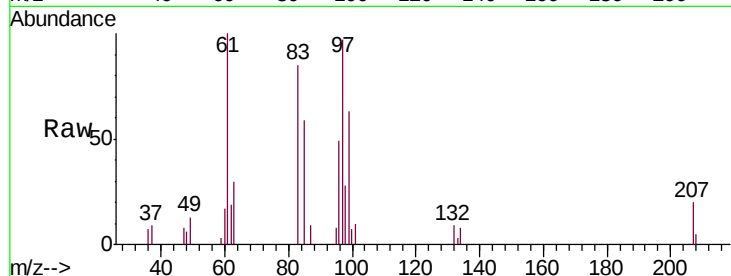
Ion Ratio Lower Upper

97 100

83 87.6 66.3 99.5

85 60.7 43.0 64.6

99 64.5 47.7 71.5

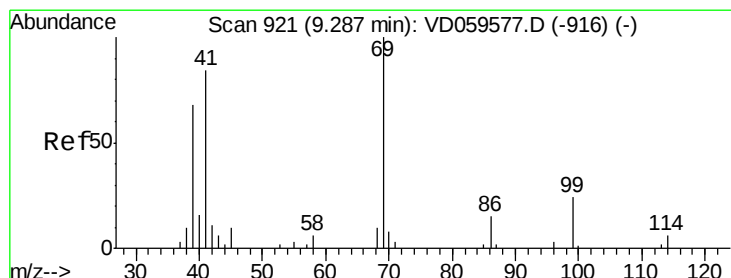
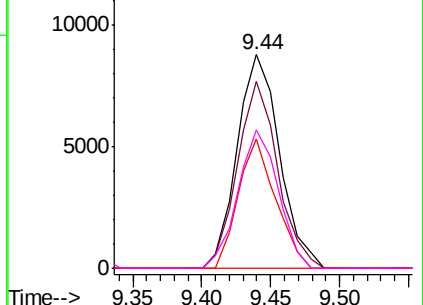
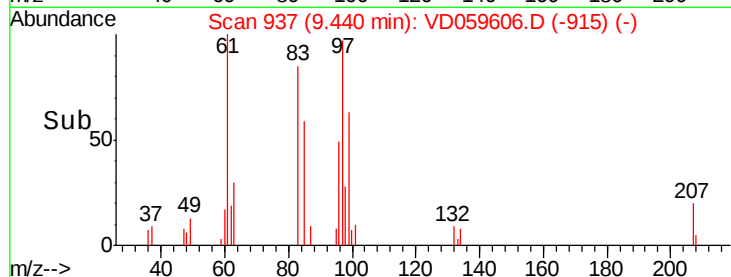


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.65 ug/l

RT: 9.30 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

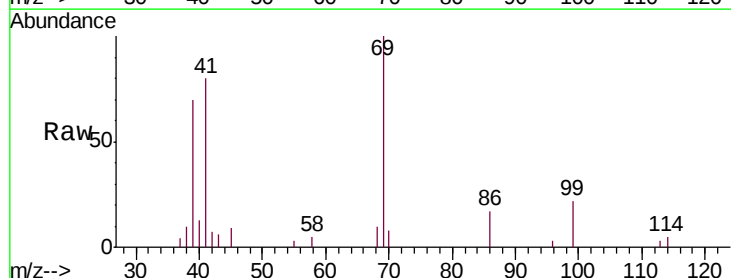
Tgt Ion: 69 Resp: 22437

Ion Ratio Lower Upper

69 100

41 79.5 66.8 100.2

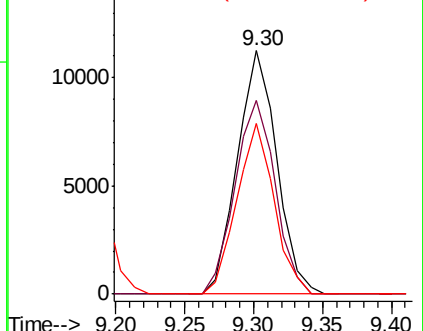
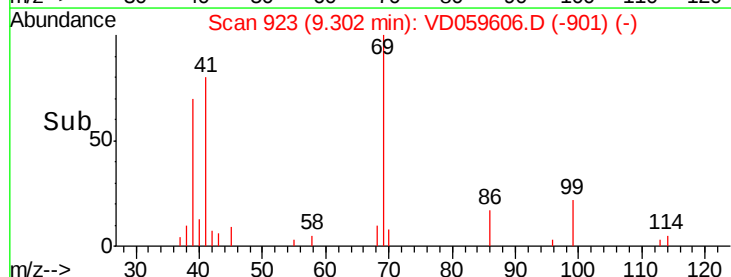
39 70.1 54.7 82.1

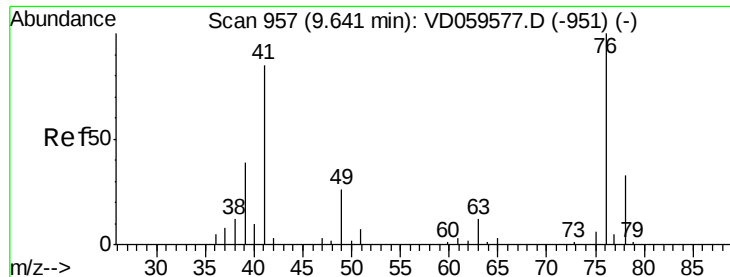


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.72 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

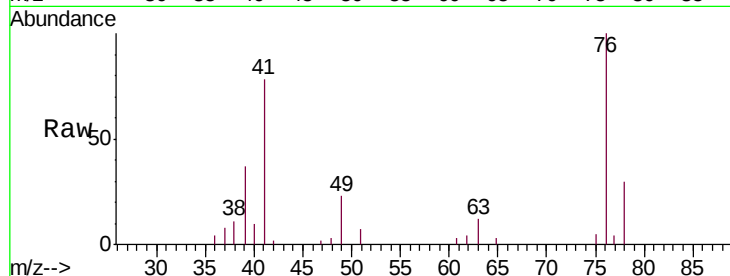
VD0726SBS01

Tot Ion: 76 Resp: 30130

Ion Ratio Lower Upper

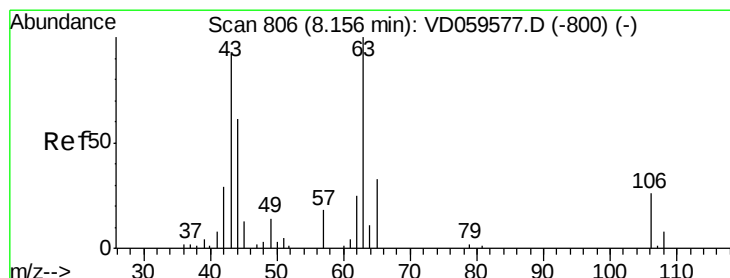
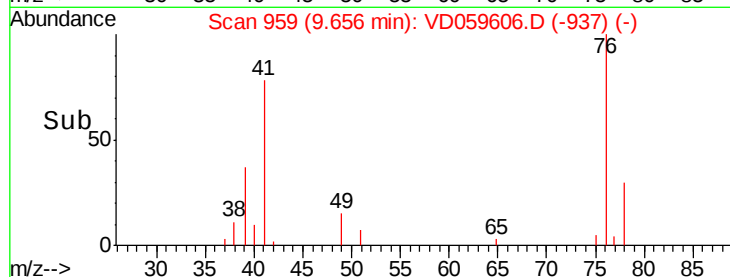
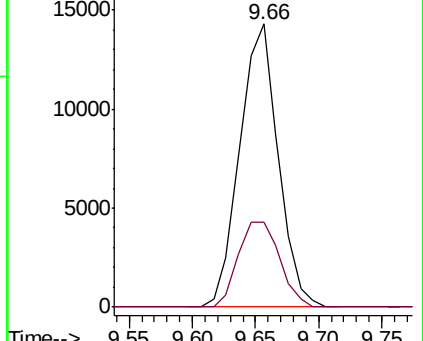
76 100

78 30.2 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.33 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059606.D

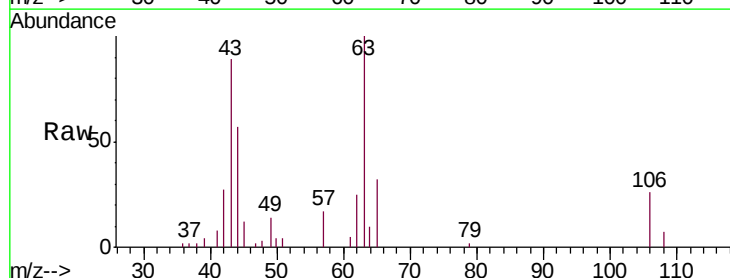
Acq: 26 Jul 2018 15:44

Tgt Ion: 63 Resp: 49020

Ion Ratio Lower Upper

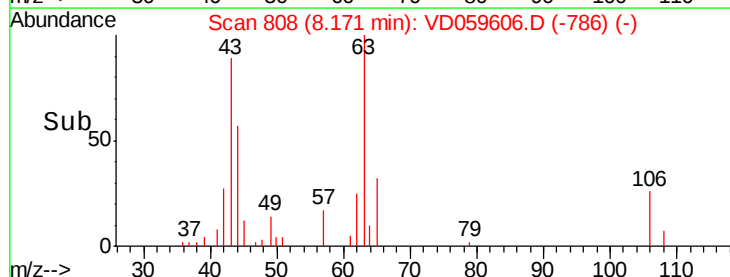
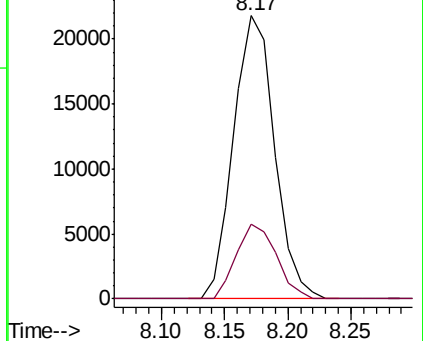
63 100

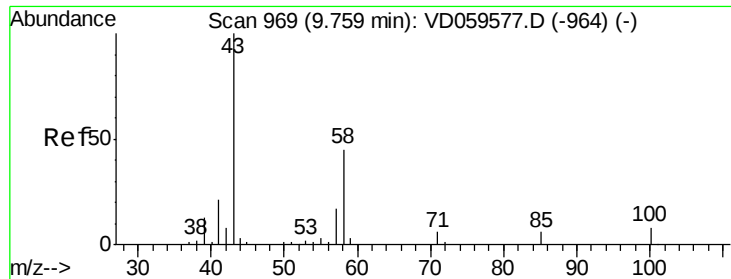
106 26.3 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

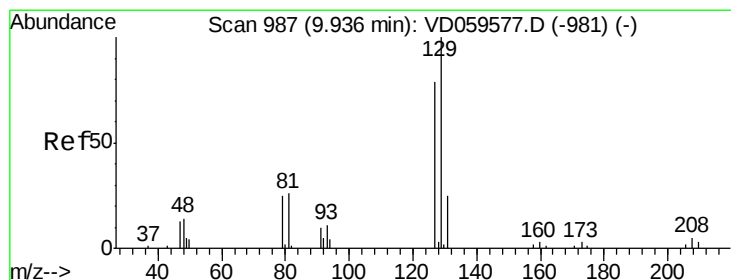
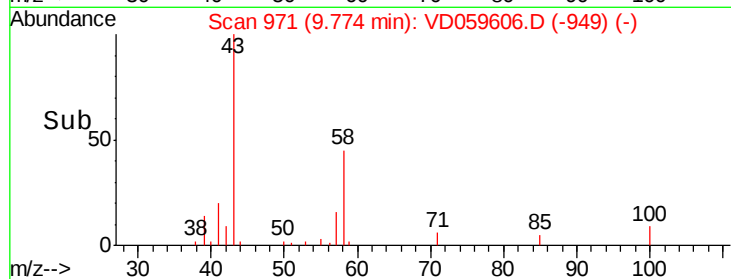
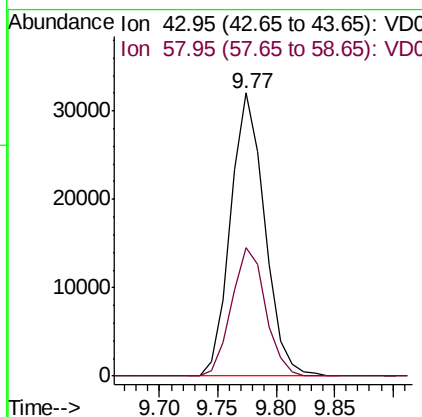
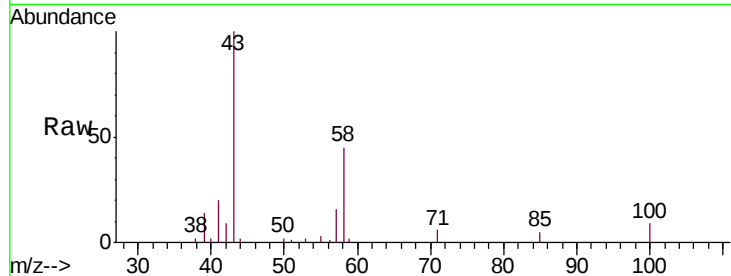




#59
2-Hexanone
Concen: 100.20 ug/l
RT: 9.77 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

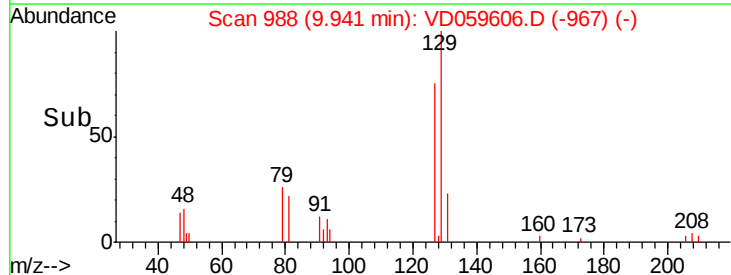
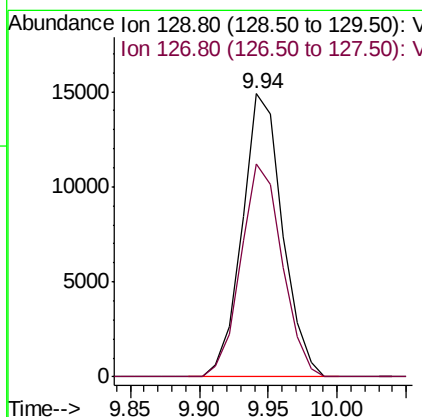
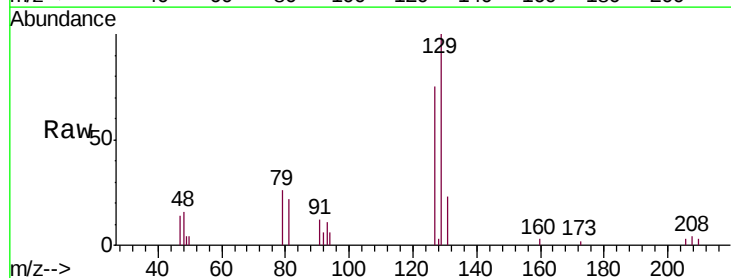
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

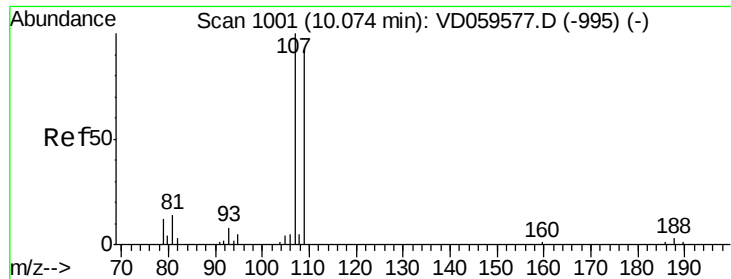
Tot Ion: 43 Resp: 64783
Ion Ratio Lower Upper
43 100
58 45.5 22.7 68.1



#60
Dibromochloromethane
Concen: 20.93 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:129 Resp: 30336
Ion Ratio Lower Upper
129 100
127 75.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 22.81 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

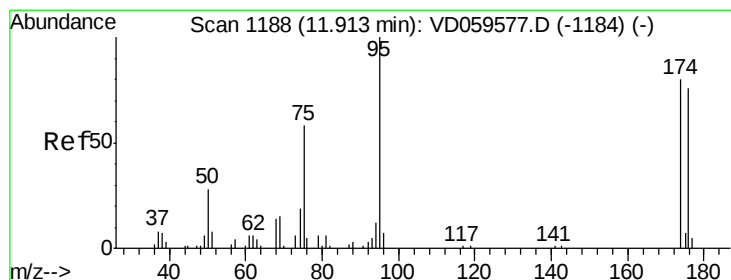
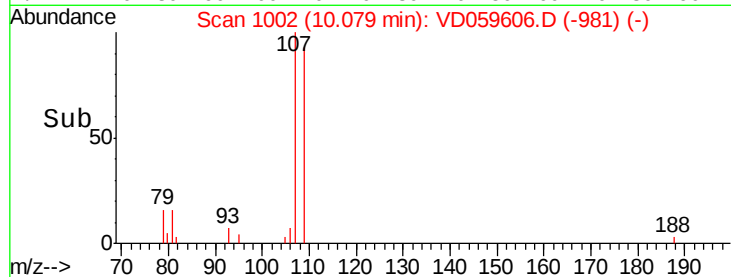
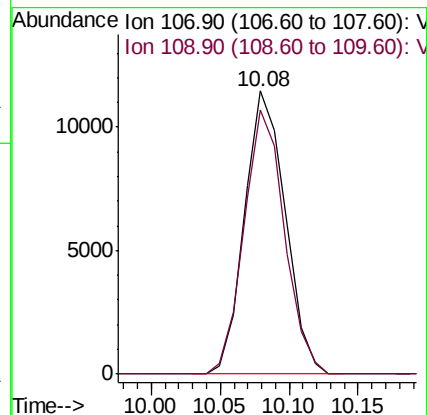
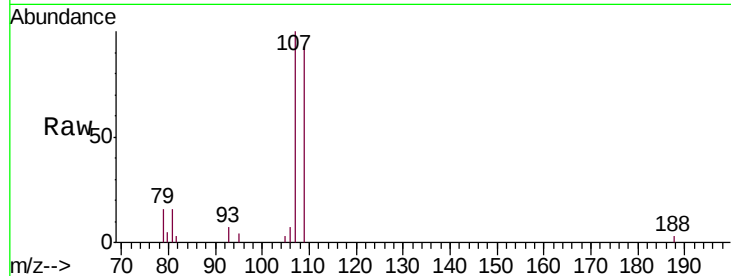
VD0726SBSD01

Tot Ion:107 Resp: 23597

Ion Ratio Lower Upper

107 100

109 93.2 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 22.81 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

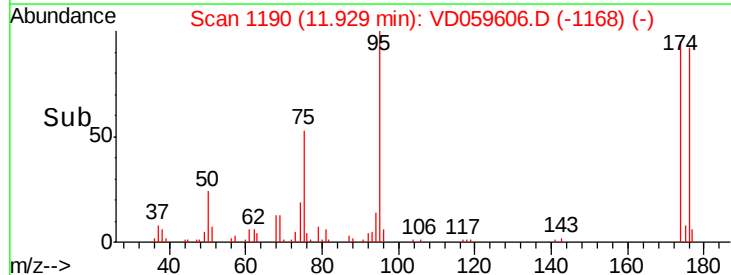
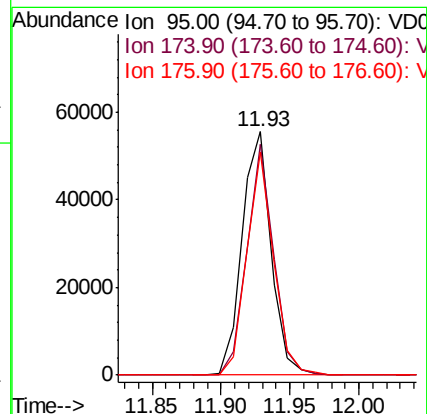
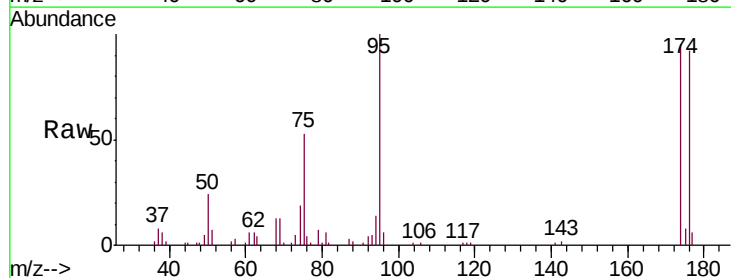
Tgt Ion: 95 Resp: 81553

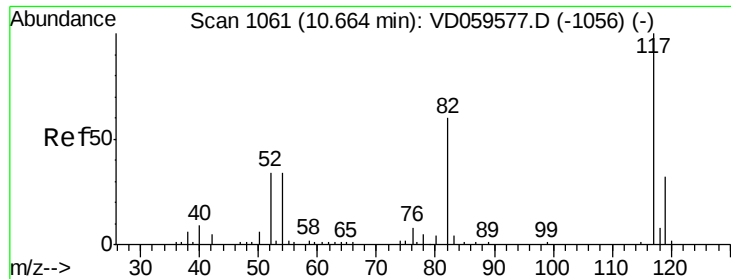
Ion Ratio Lower Upper

95 100

174 94.8 0.0 160.6

176 91.6 0.0 152.8

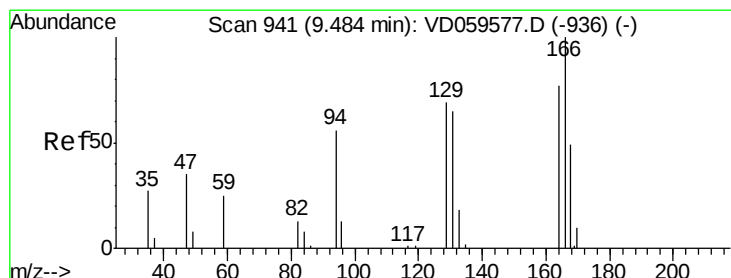
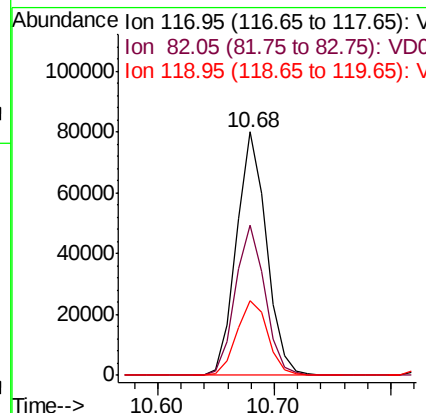
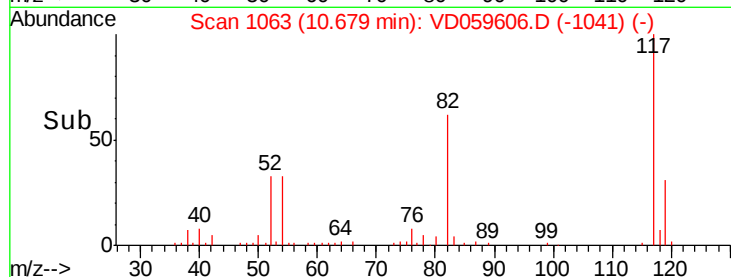
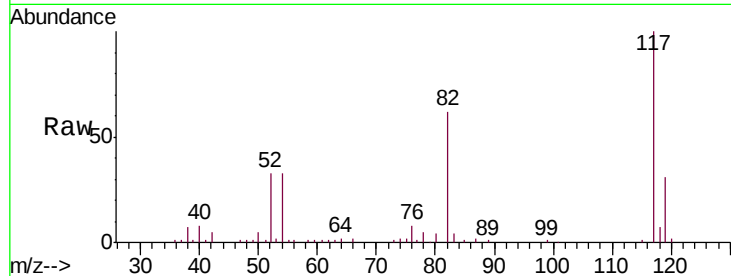




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

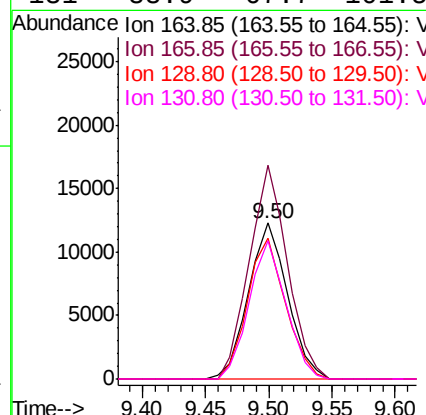
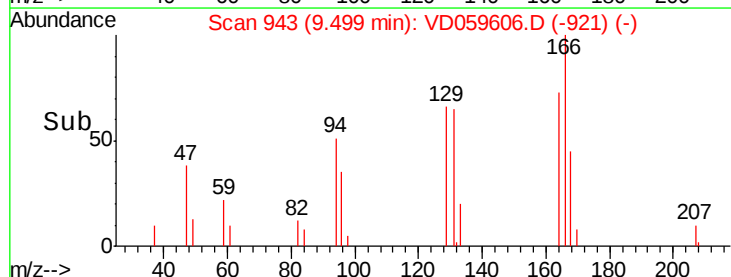
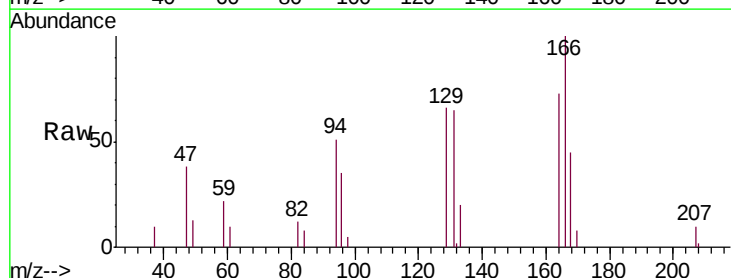
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

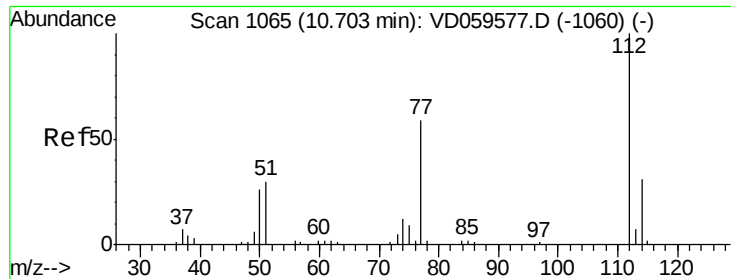
Tot Ion:117 Resp: 142727
Ion Ratio Lower Upper
117 100
82 61.7 48.2 72.2
119 30.9 25.4 38.2



#64
Tetrachloroethene
Concen: 20.41 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:164 Resp: 26398
Ion Ratio Lower Upper
164 100
166 137.0 104.0 156.0
129 90.1 72.2 108.4
131 88.9 67.7 101.5

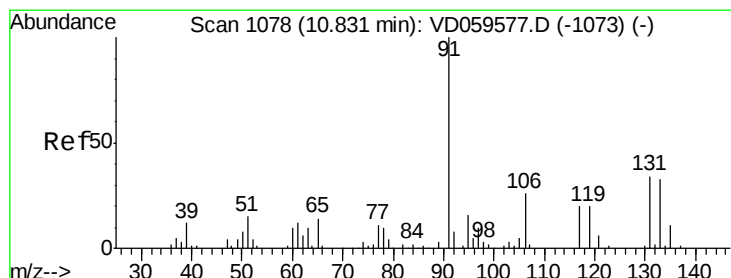
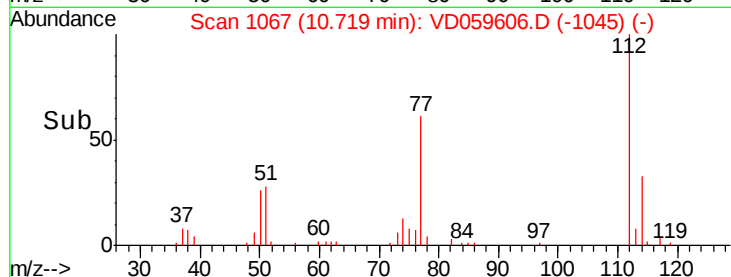
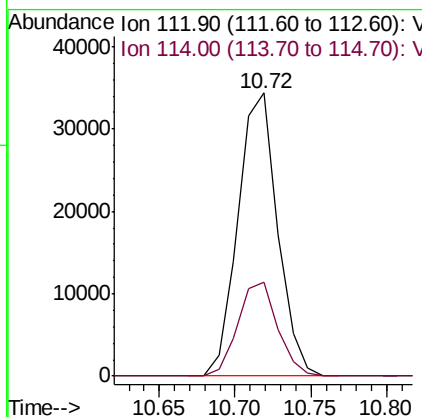
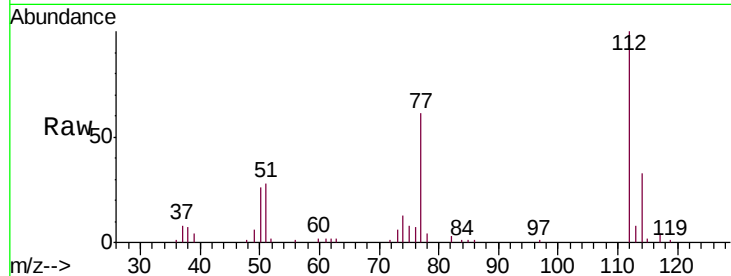




#65
Chlorobenzene
Concen: 21.30 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

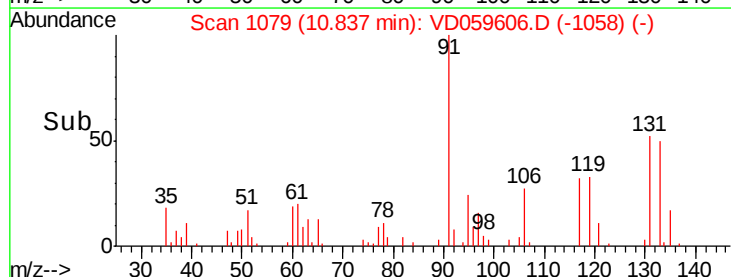
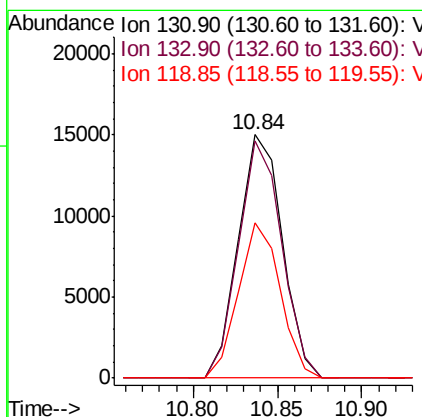
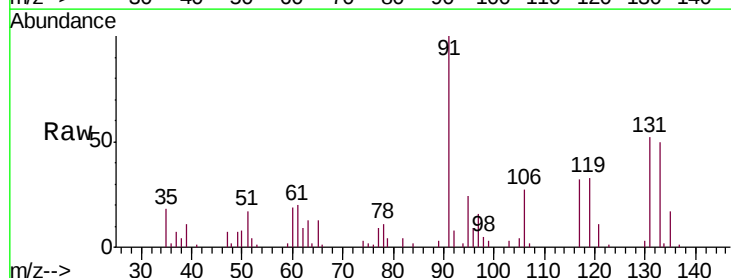
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

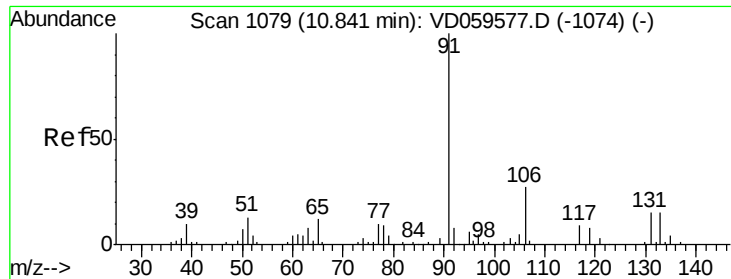
Tot Ion:112 Resp: 62310
Ion Ratio Lower Upper
112 100
114 33.0 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.32 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:131 Resp: 27133
Ion Ratio Lower Upper
131 100
133 97.4 47.9 143.7
119 63.6 28.7 86.1

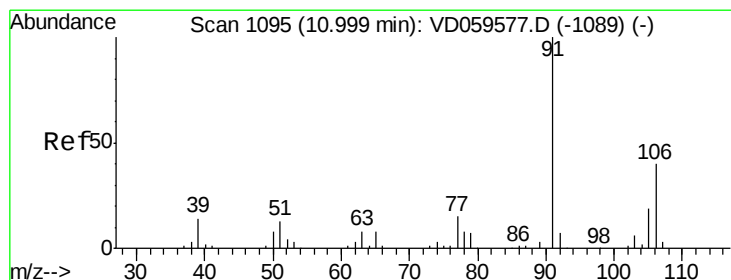
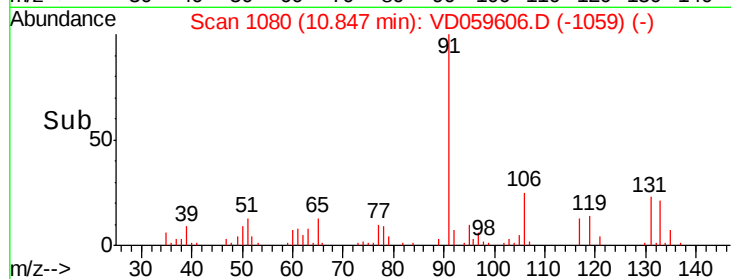
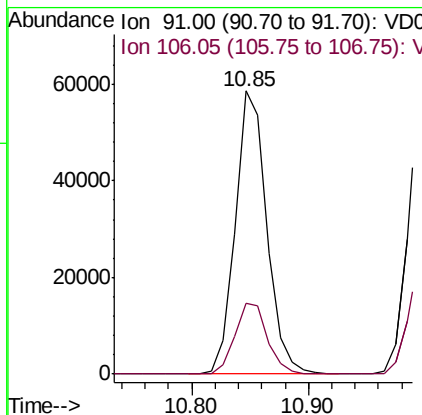
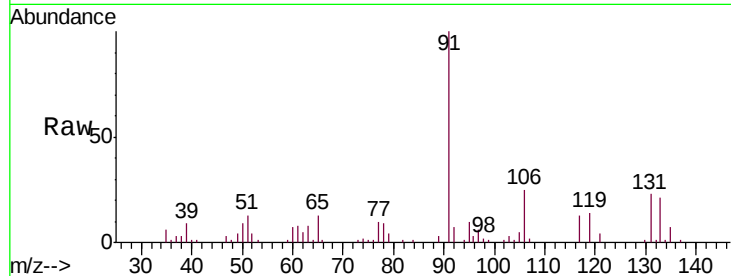




#67
Ethyl Benzene
Concen: 21.71 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

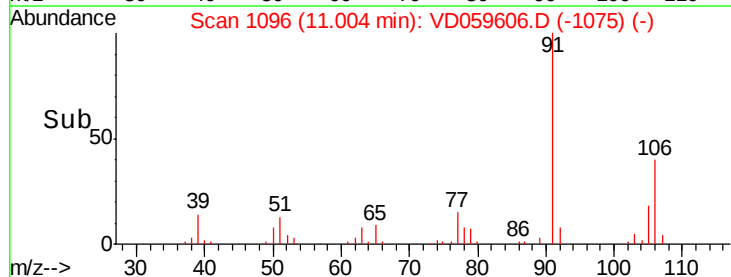
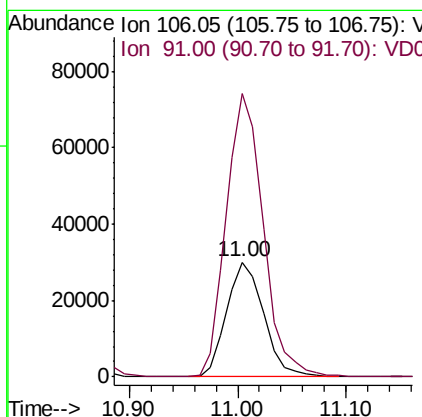
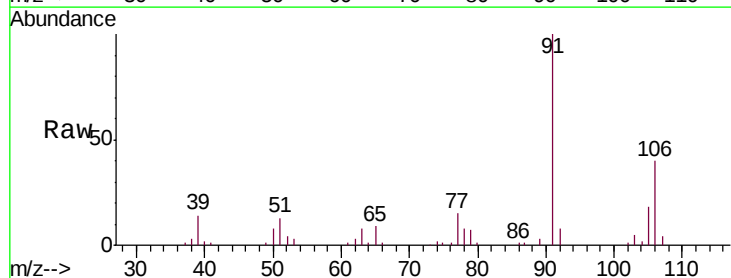
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

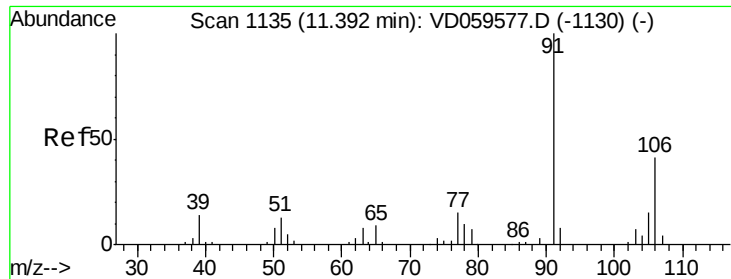
Tot Ion: 91 Resp: 109203
Ion Ratio Lower Upper
91 100
106 25.2 21.6 32.4



#68
m/p-Xylenes
Concen: 42.58 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 106 Resp: 71519
Ion Ratio Lower Upper
106 100
91 247.2 198.2 297.4

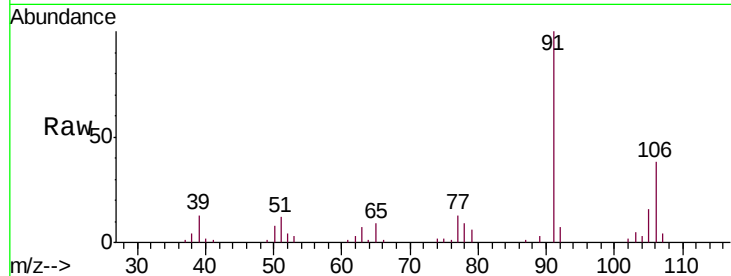




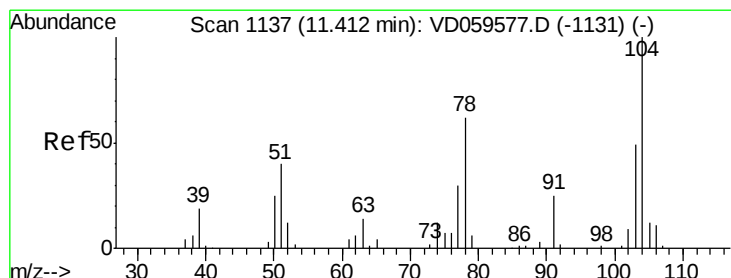
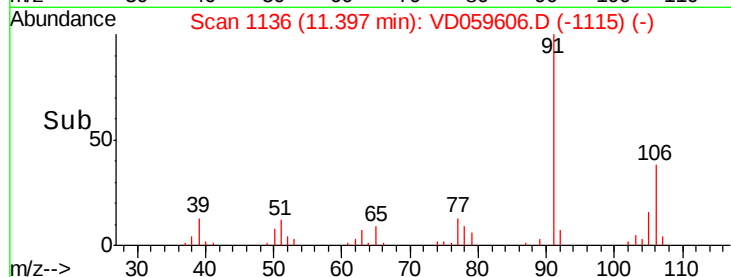
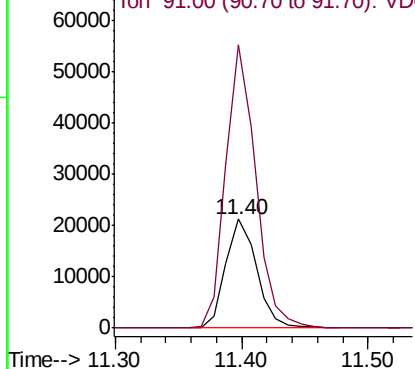
#69
o-Xylene
Concen: 22.38 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

Tot Ion:106 Resp: 36474
Ion Ratio Lower Upper
106 100
91 260.0 122.7 368.1

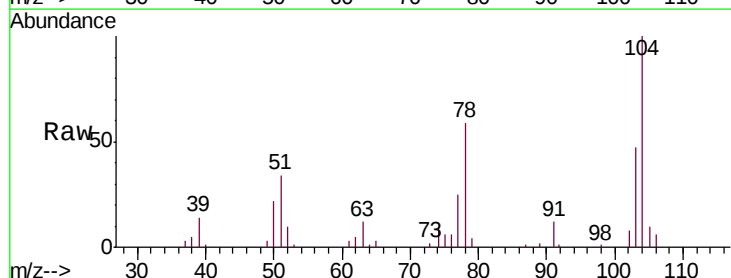


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

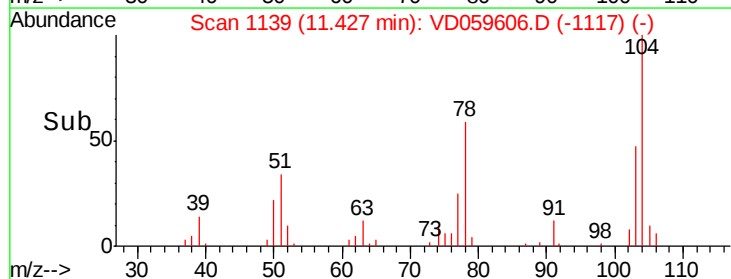
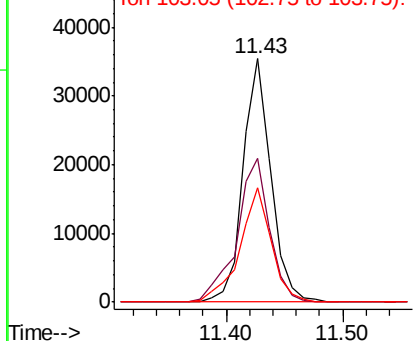


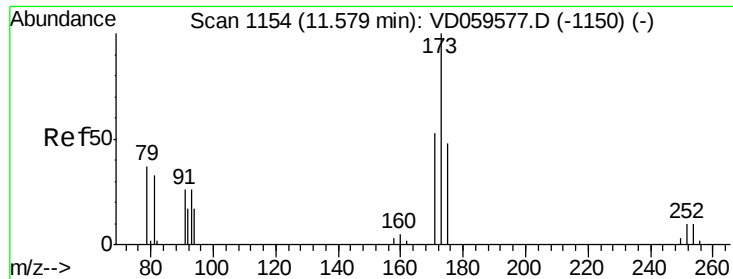
#70
Styrene
Concen: 21.63 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:104 Resp: 58465
Ion Ratio Lower Upper
104 100
78 59.1 49.4 74.0
103 47.0 39.0 58.6



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





#71

Bromoform

Concen: 20.28 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

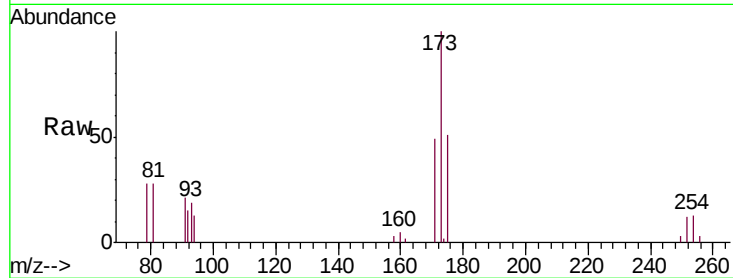
Tot Ion:173 Resp: 21021

Ion Ratio Lower Upper

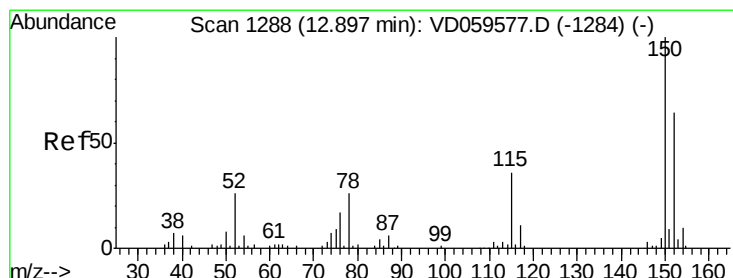
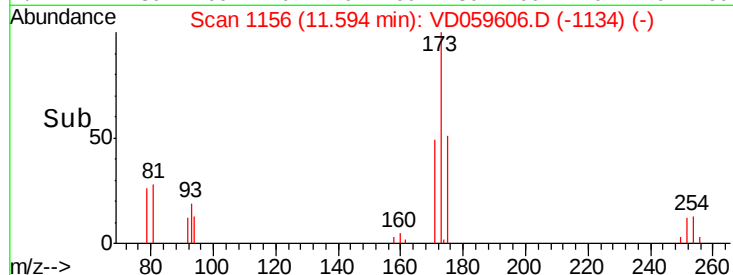
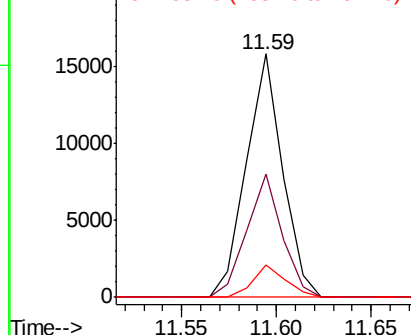
173 100

175 50.7 23.8 71.4

254 13.2 7.8 11.6#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

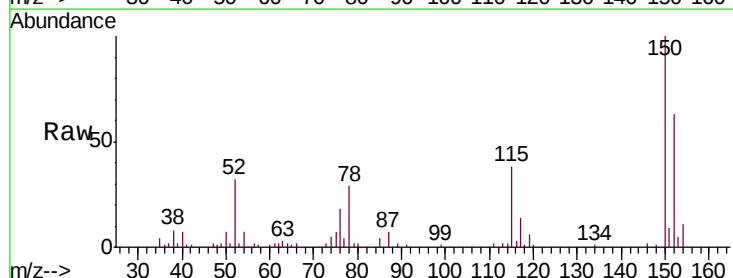
Tgt Ion:152 Resp: 75986

Ion Ratio Lower Upper

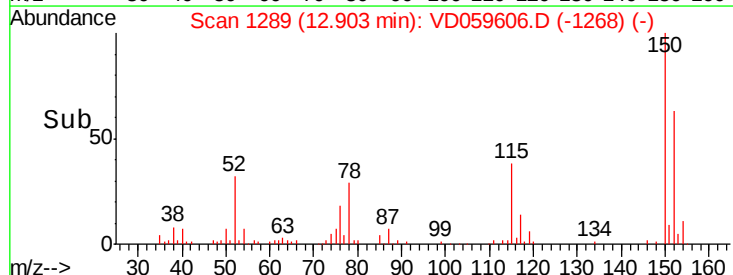
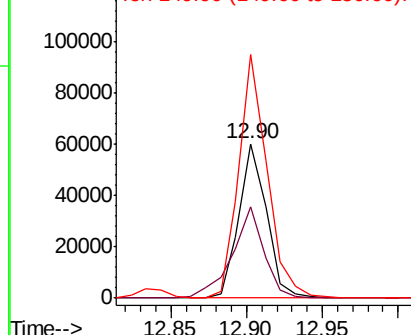
152 100

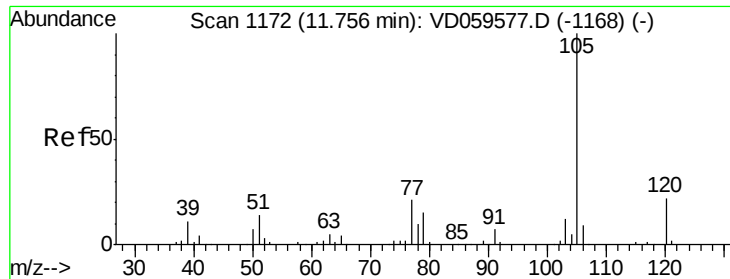
115 59.4 29.5 88.6

150 158.0 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: 18.88 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

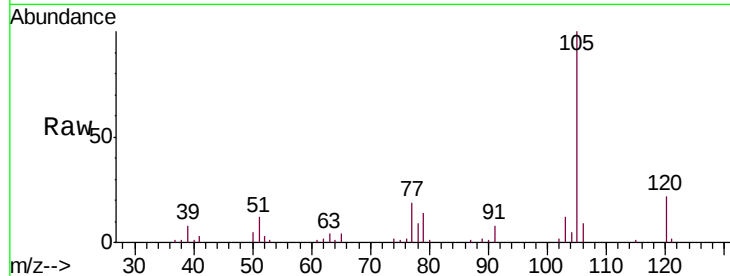
VD0726SBSD01

Tot Ion:105 Resp: 101328

Ion Ratio Lower Upper

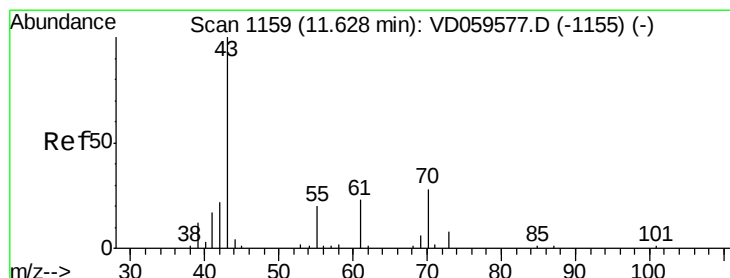
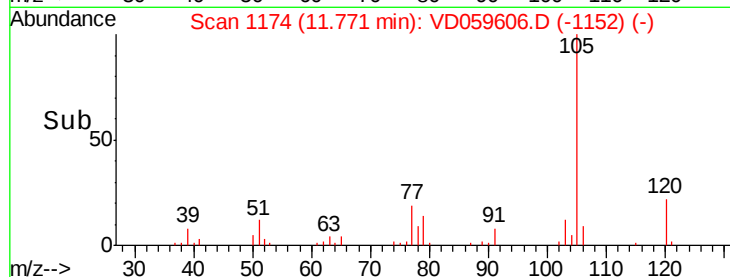
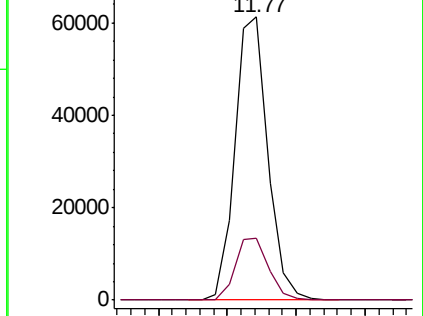
105 100

120 22.1 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: 18.36 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Tgt Ion: 43 Resp: 33767

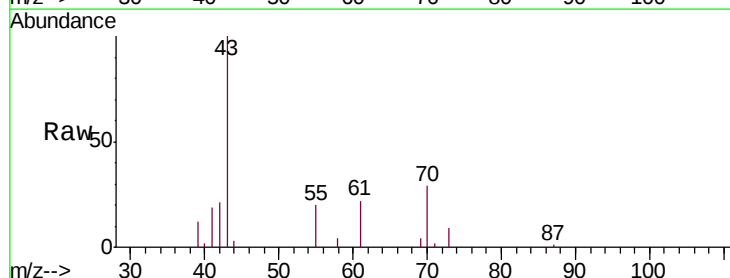
Ion Ratio Lower Upper

43 100

70 28.9 22.0 33.0

55 19.7 16.2 24.2

61 21.9 18.6 27.8

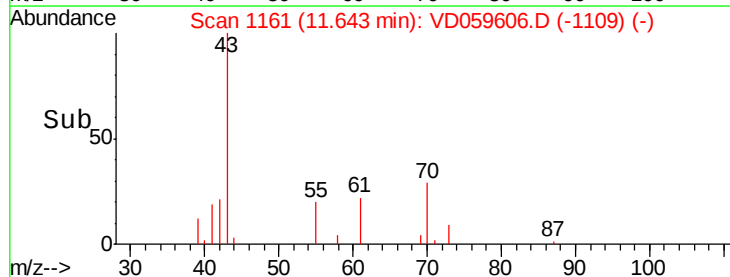
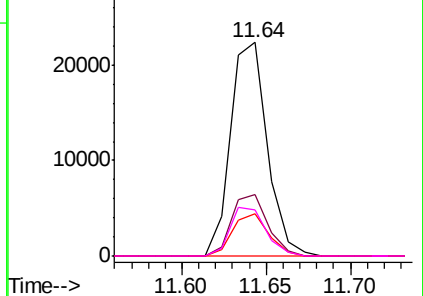


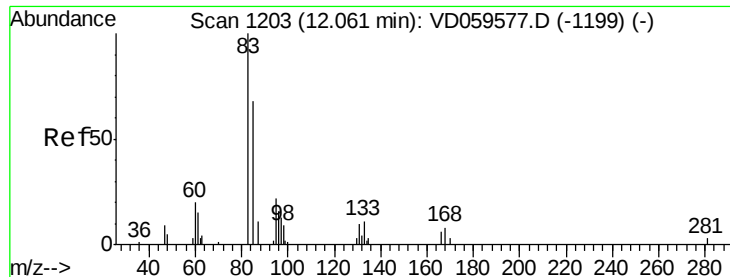
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.45 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

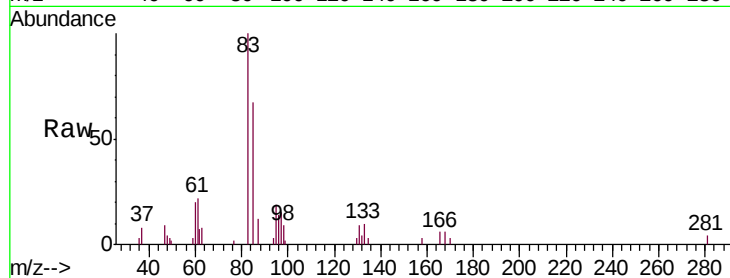
Tot Ion: 83 Resp: 21314

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.2

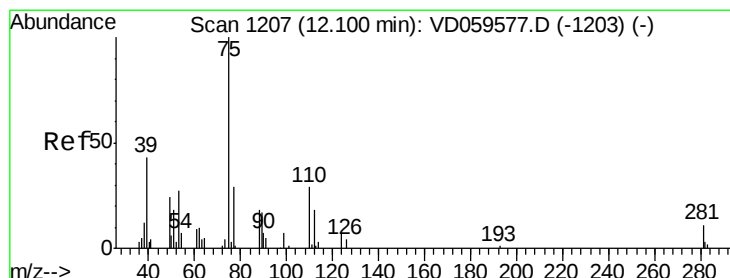
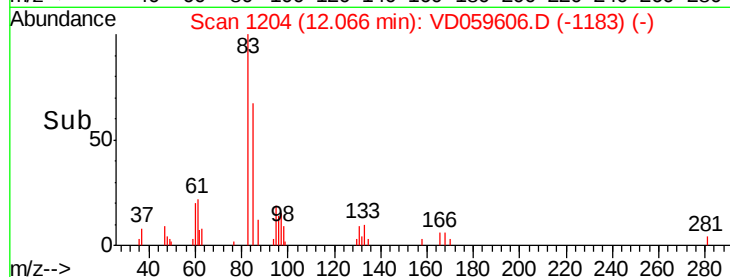
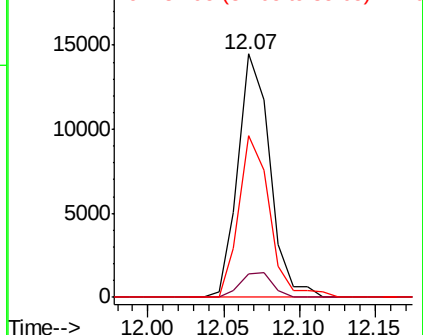
85 66.7 34.1 102.3



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: 19.29 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059606.D

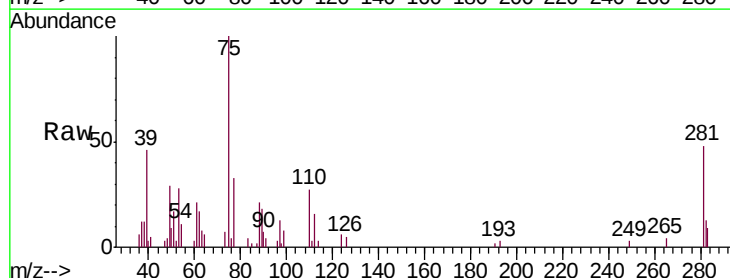
Acq: 26 Jul 2018 15:44

Tgt Ion: 75 Resp: 24236

Ion Ratio Lower Upper

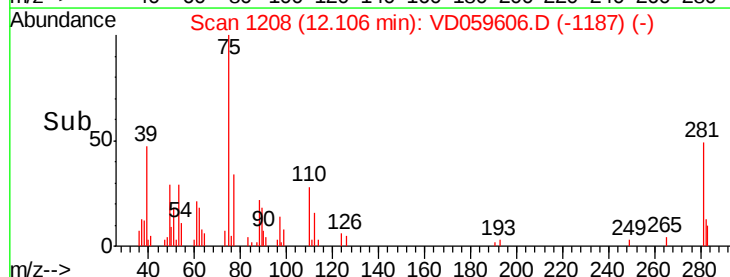
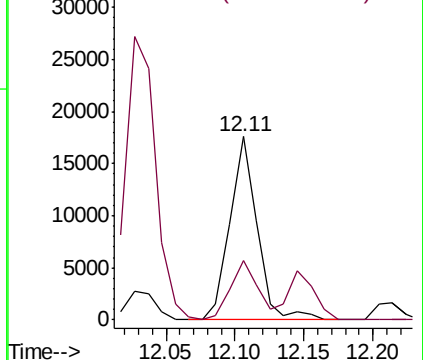
75 100

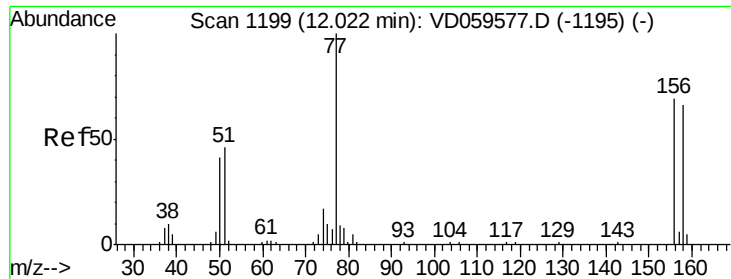
77 32.8 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.63 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBS01

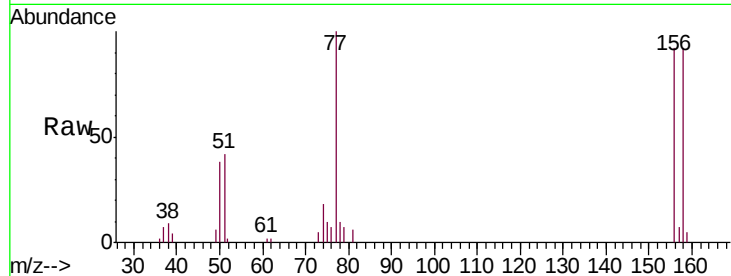
Tot Ion:156 Resp: 30846

Ion Ratio Lower Upper

156 100

77 108.2 72.4 217.2

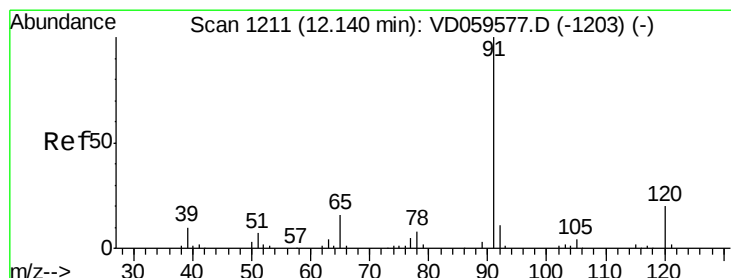
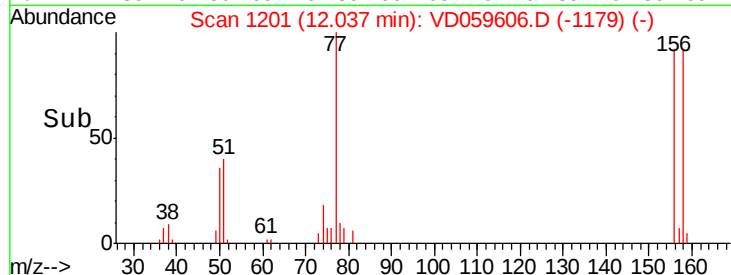
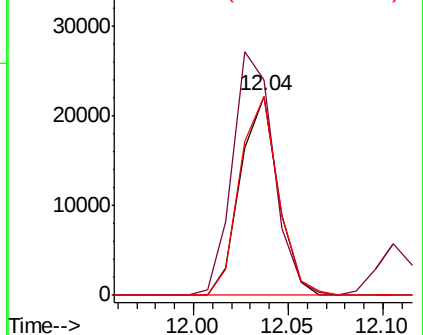
158 99.9 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.40 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059606.D

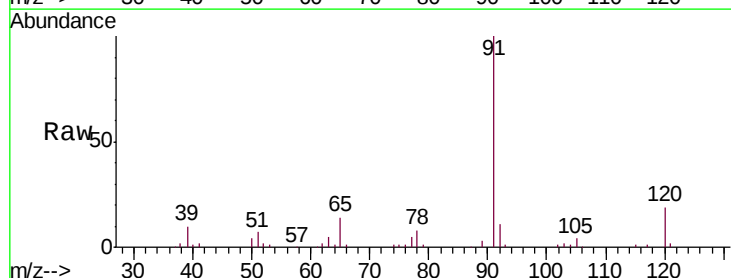
Acq: 26 Jul 2018 15:44

Tgt Ion: 91 Resp: 133039

Ion Ratio Lower Upper

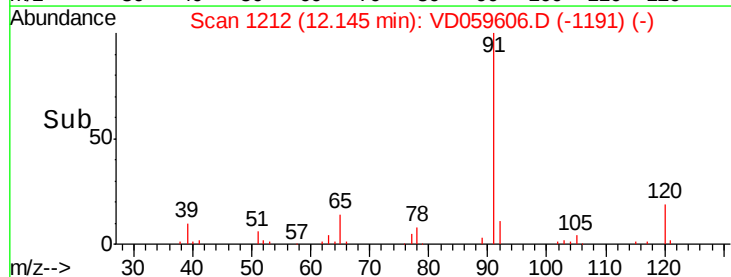
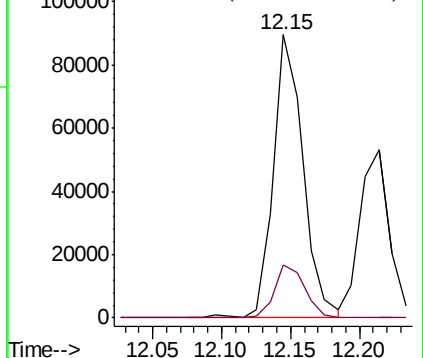
91 100

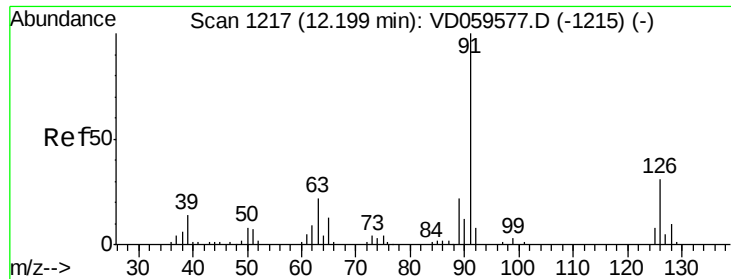
120 18.7 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.44 ug/l

RT: 12.21 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

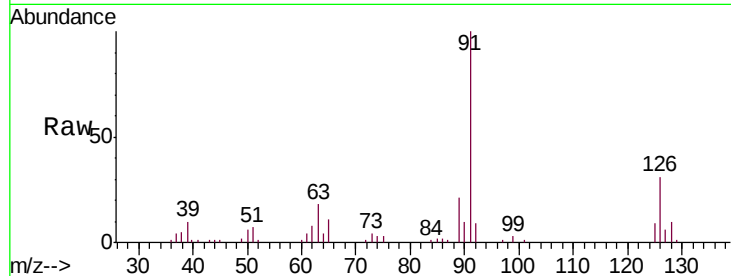
VD0726SBS01

Tot Ion: 91 Resp: 79475

Ion Ratio Lower Upper

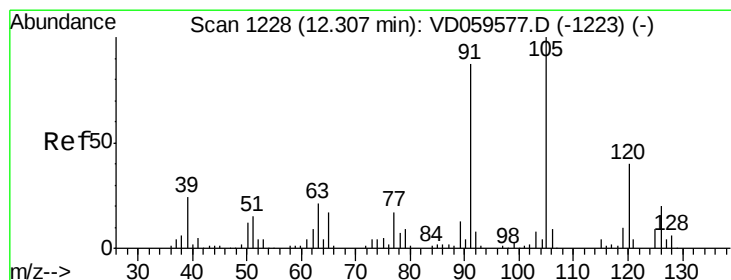
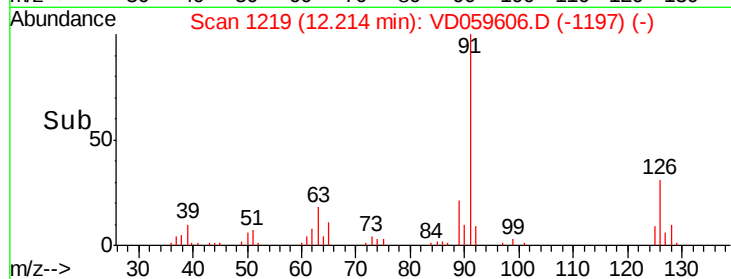
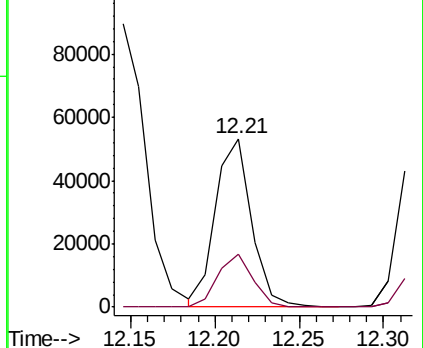
91 100

126 31.3 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: 19.87 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD059606.D

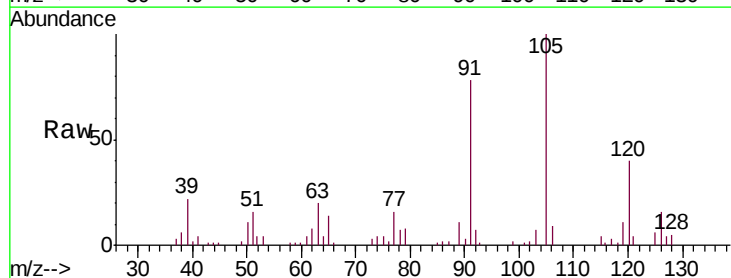
Acq: 26 Jul 2018 15:44

Tgt Ion: 105 Resp: 84234

Ion Ratio Lower Upper

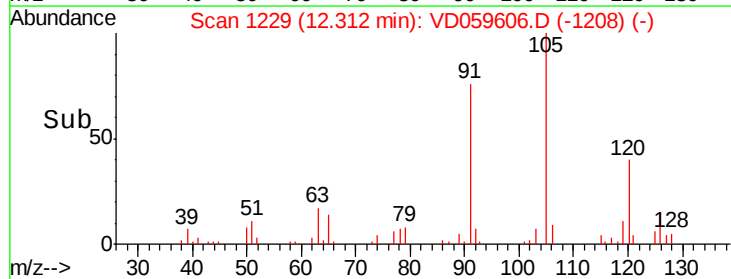
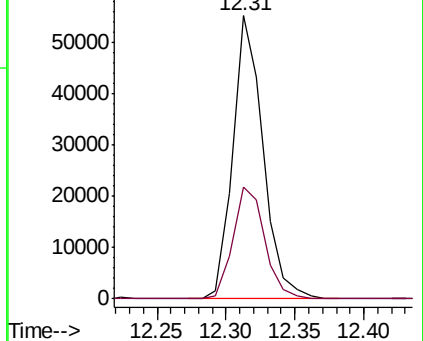
105 100

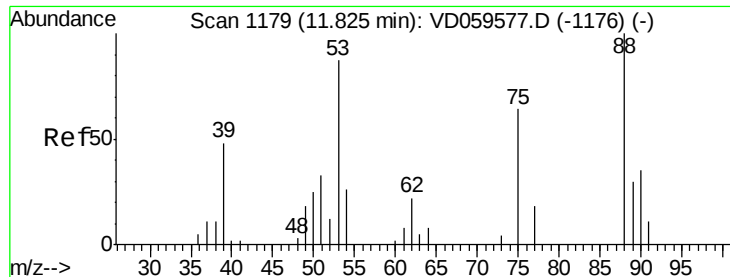
120 39.6 19.9 59.6



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: 18.63 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.02 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0726SBSD01

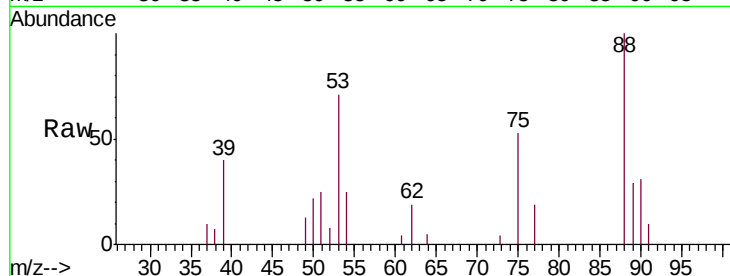
Tot Ion: 75 Resp: 5985

Ion Ratio Lower Upper

75 100

53 135.0 107.7 161.5

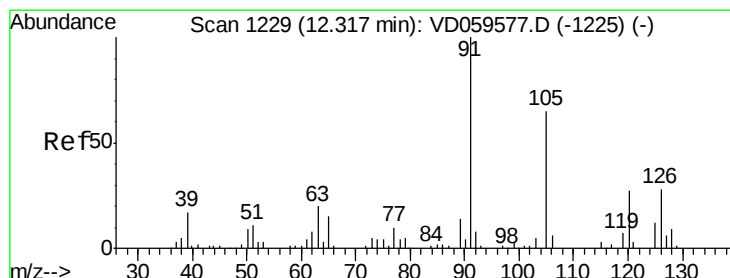
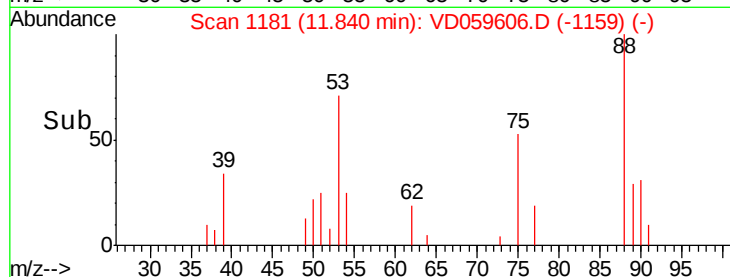
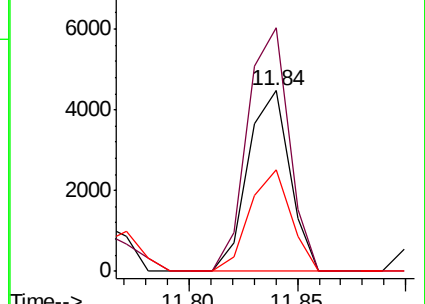
89 56.0 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.78 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059606.D

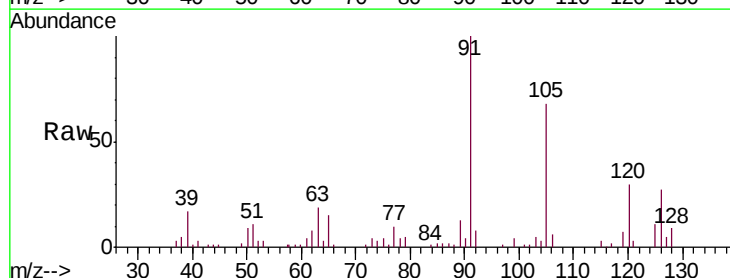
Acq: 26 Jul 2018 15:44

Tgt Ion: 91 Resp: 91390

Ion Ratio Lower Upper

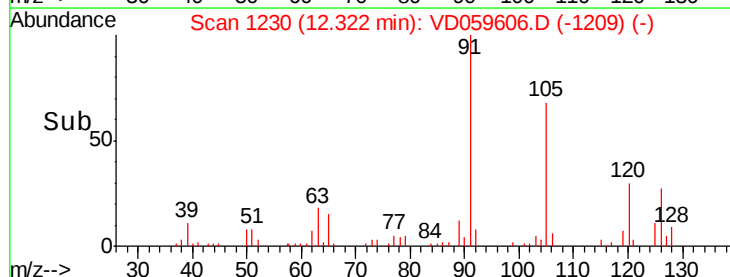
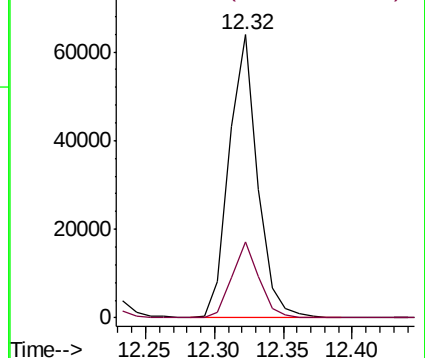
91 100

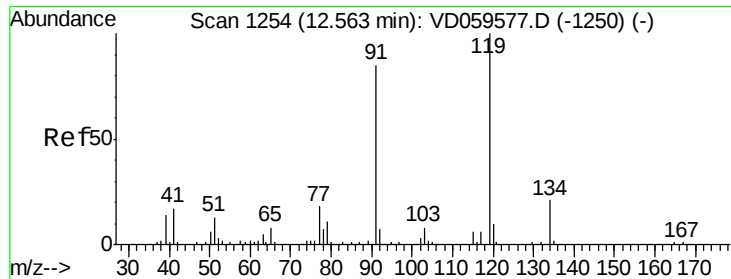
126 27.1 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

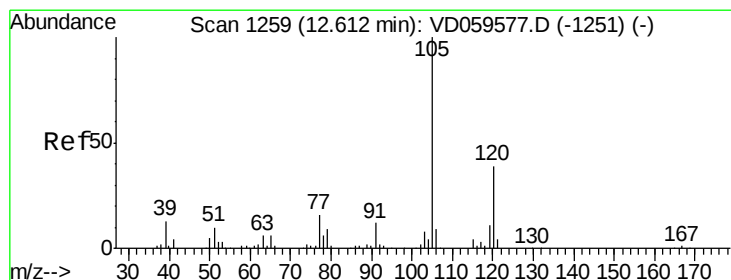
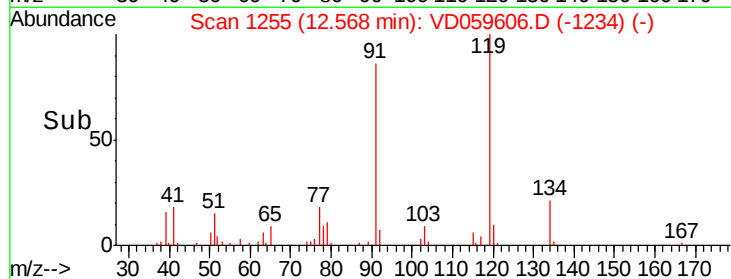
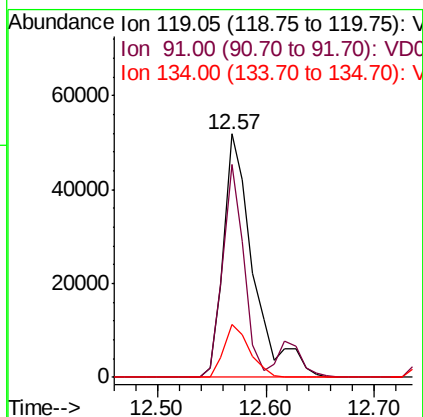
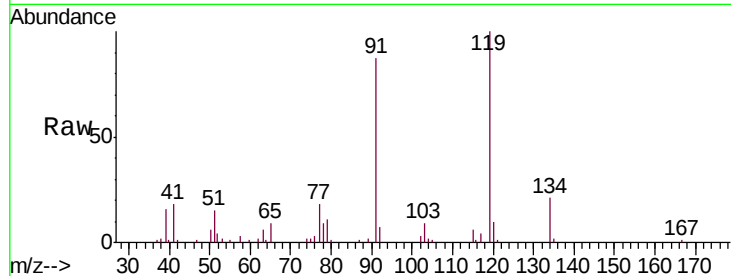




#83
tert-Butylbenzene
Concen: 20.79 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

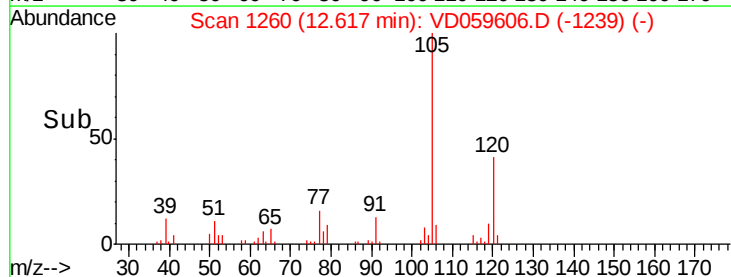
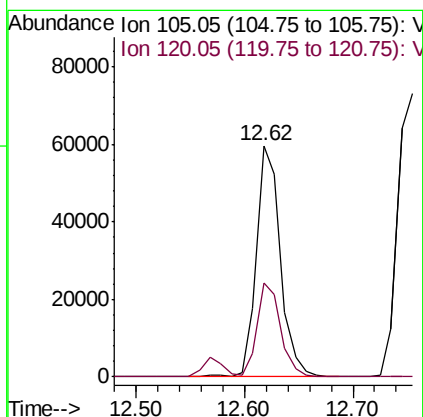
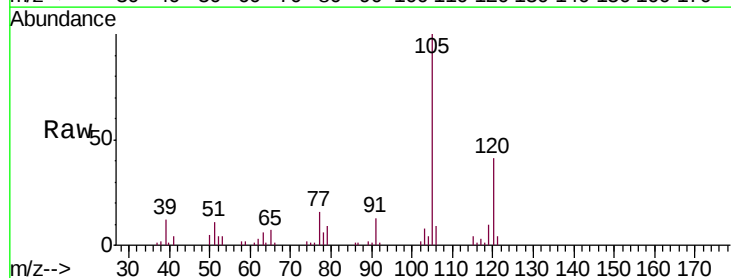
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

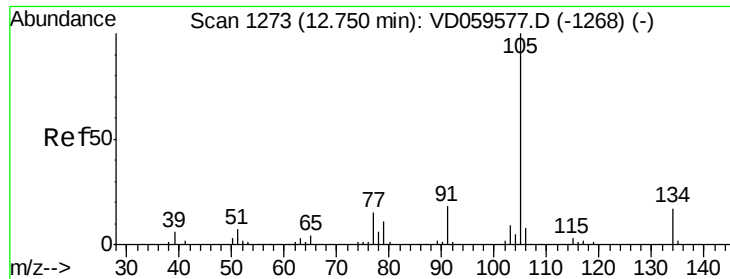
Tot Ion:119 Resp: 99181
Ion Ratio Lower Upper
119 100
91 87.4 42.5 127.5
134 21.5 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 20.26 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:105 Resp: 91275
Ion Ratio Lower Upper
105 100
120 40.9 19.3 57.9





#85

sec-Butylbenzene

Concen: 19.89 ug/l

RT: 12.75 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

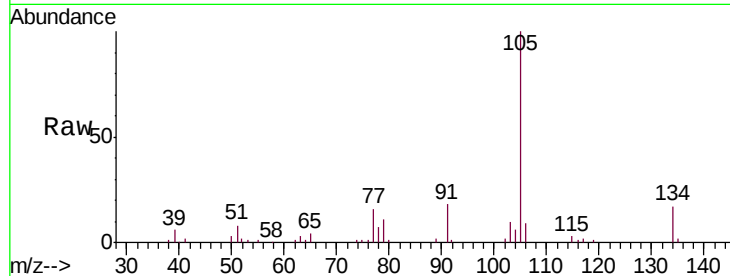
VD0726SBS01

Tot Ion:105 Resp: 108467

Ion Ratio Lower Upper

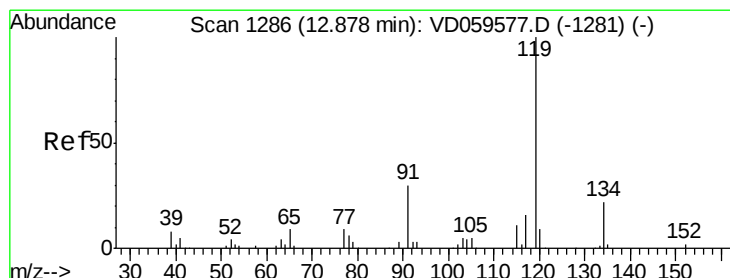
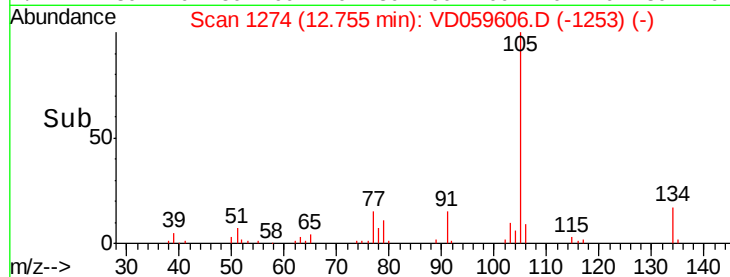
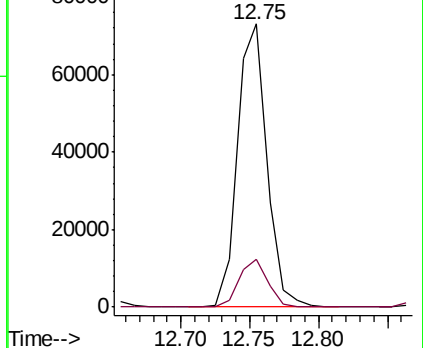
105 100

134 16.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.14 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059606.D

Acq: 26 Jul 2018 15:44

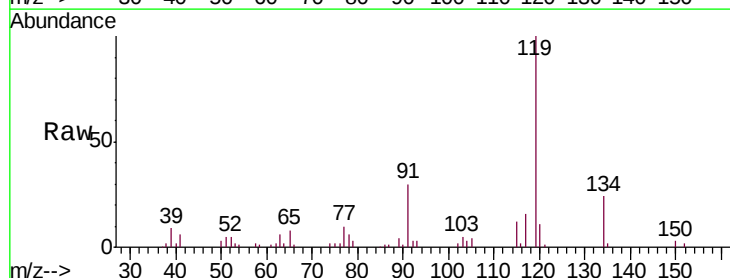
Tgt Ion:119 Resp: 92558

Ion Ratio Lower Upper

119 100

134 23.7 11.2 33.6

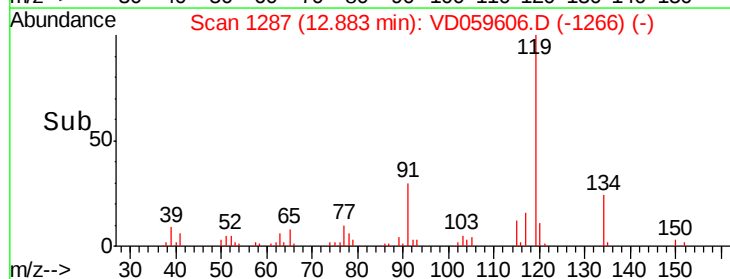
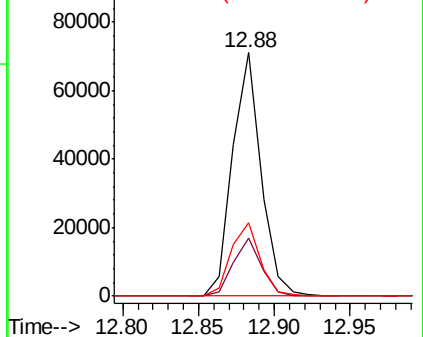
91 30.0 15.0 45.1

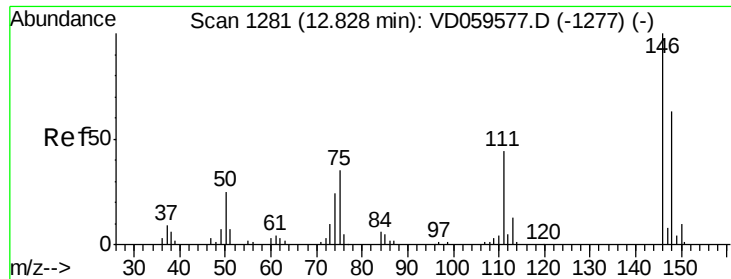


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

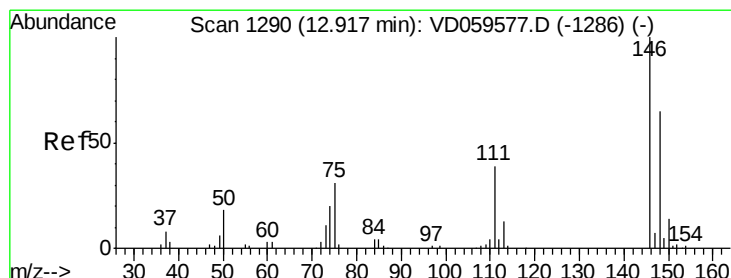
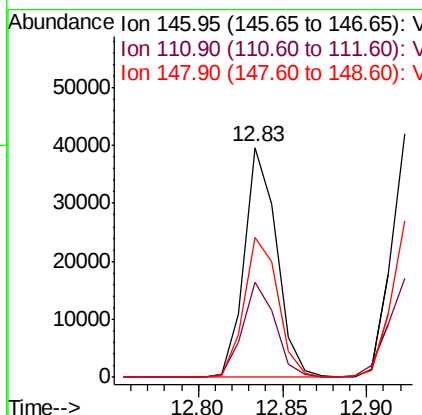
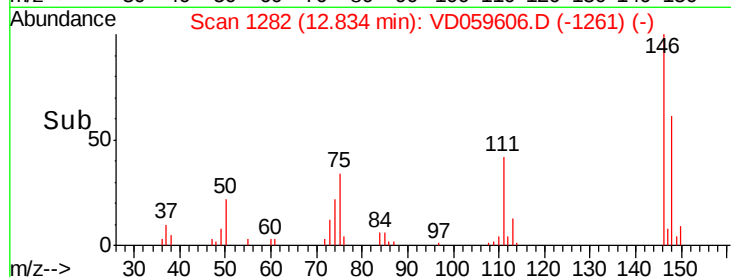
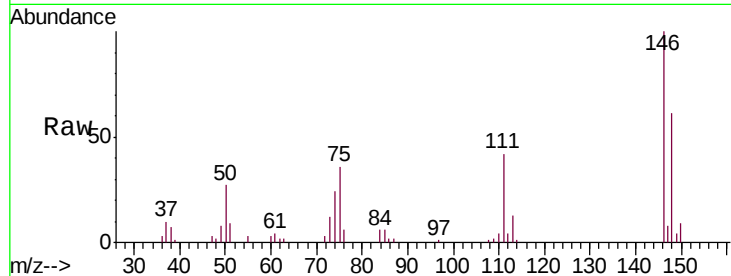




#87
 1,3-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

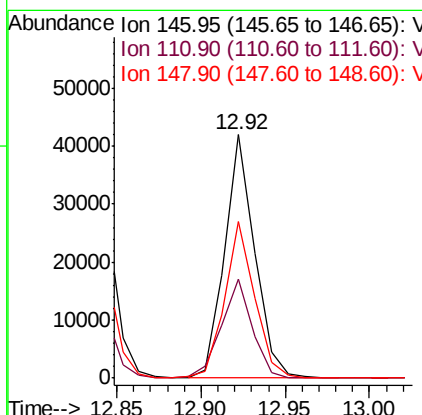
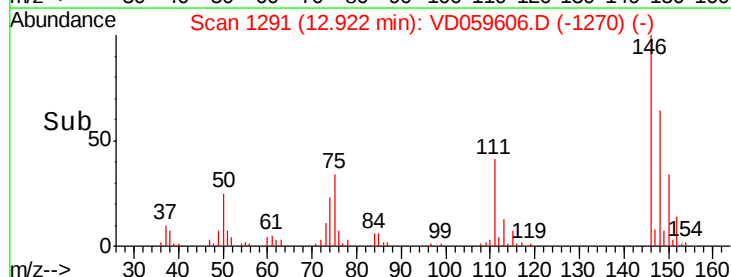
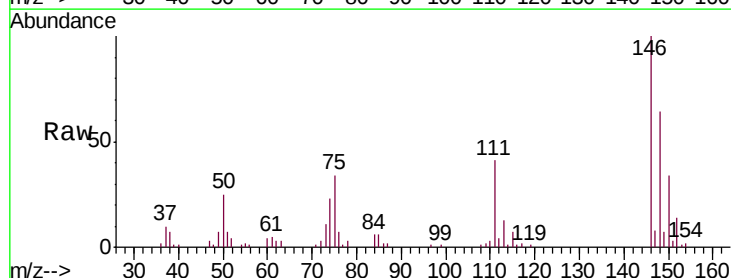
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

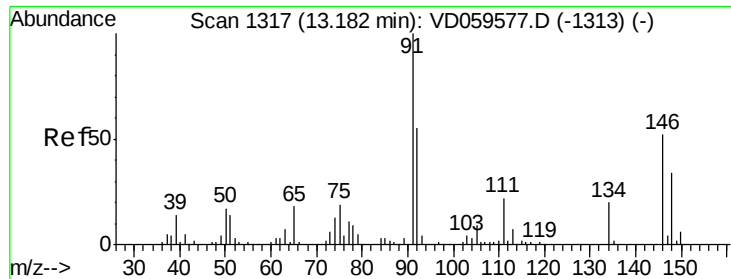
Tot Ion:146 Resp: 52710
 Ion Ratio Lower Upper
 146 100
 111 41.6 22.2 66.6
 148 60.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion:146 Resp: 52048
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.3 57.9
 148 64.5 32.4 97.2

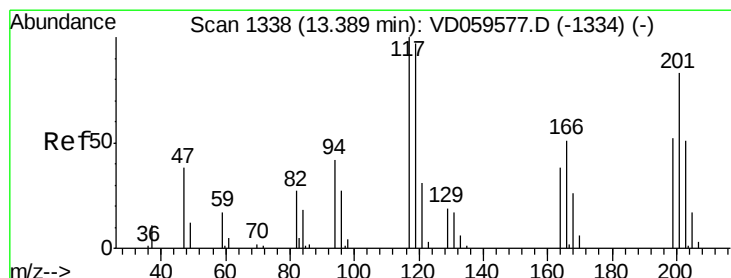
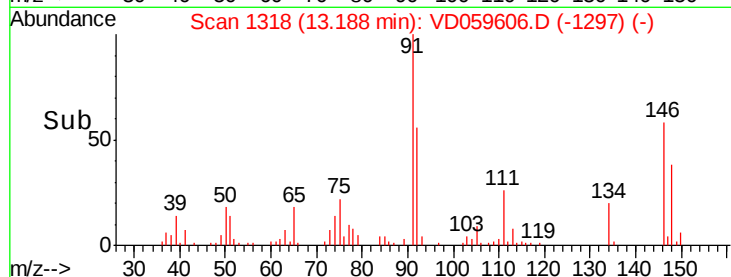
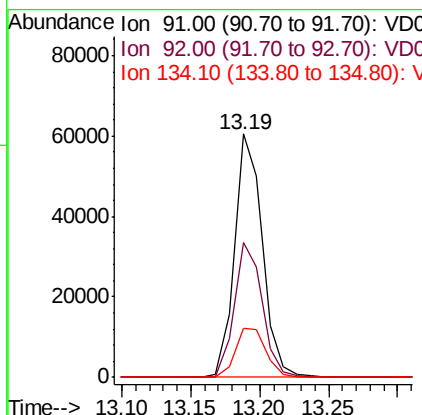
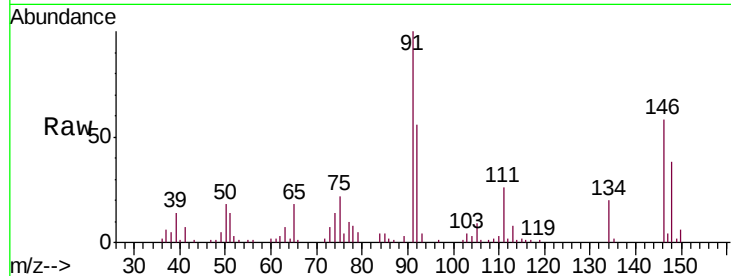




#89
n-Butylbenzene
Concen: 19.12 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

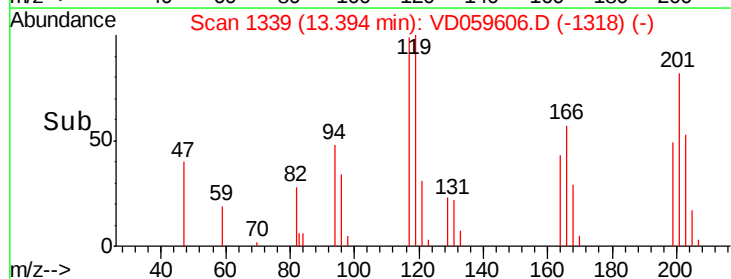
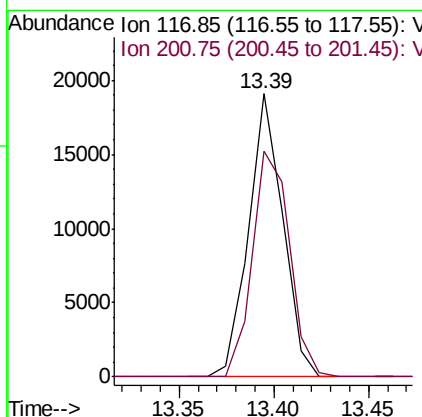
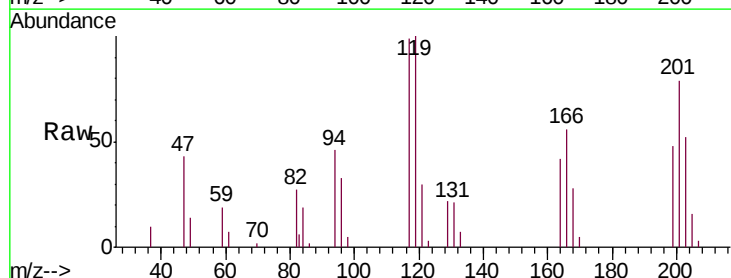
Instrument :
MSVOA_D
ClientSampleId :
VD0726SBS01

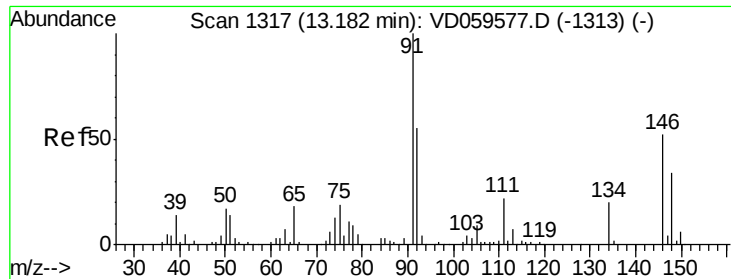
Tot Ion: 91 Resp: 84820
Ion Ratio Lower Upper
91 100
92 55.6 27.6 82.7
134 20.2 10.1 30.3



#90
Hexachloroethane
Concen: 19.48 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion: 117 Resp: 23919
Ion Ratio Lower Upper
117 100
201 79.8 41.5 124.5

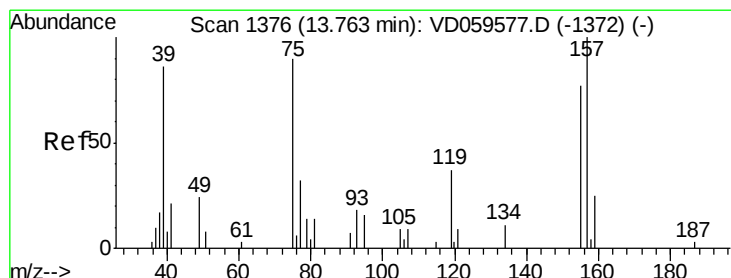
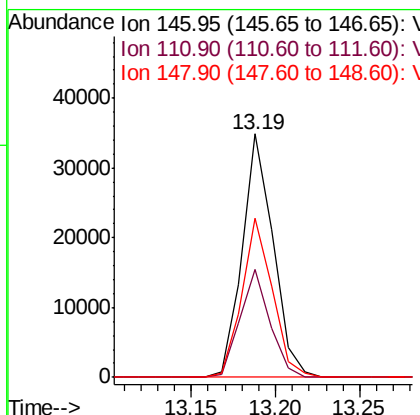
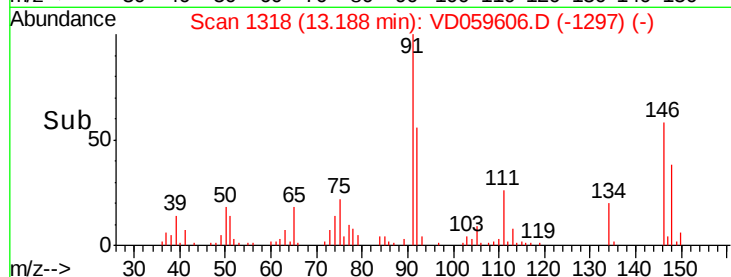
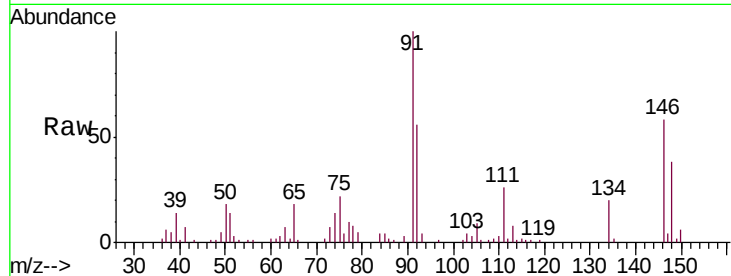




#91
 1,2-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

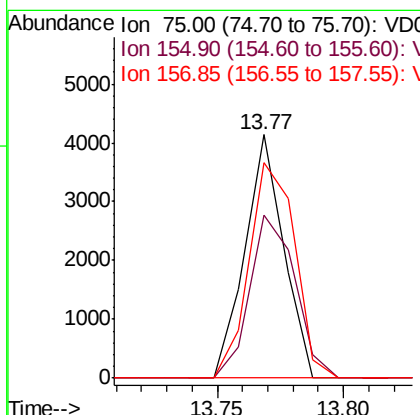
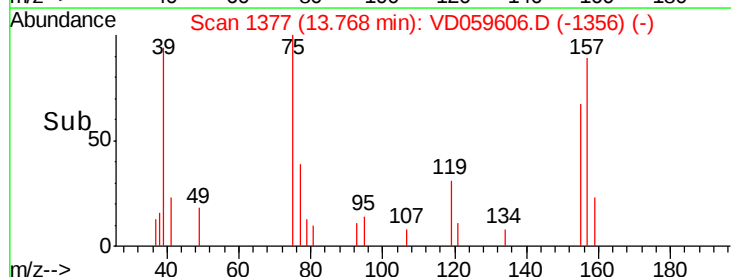
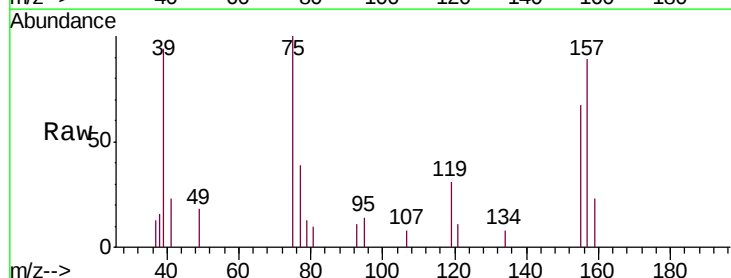
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

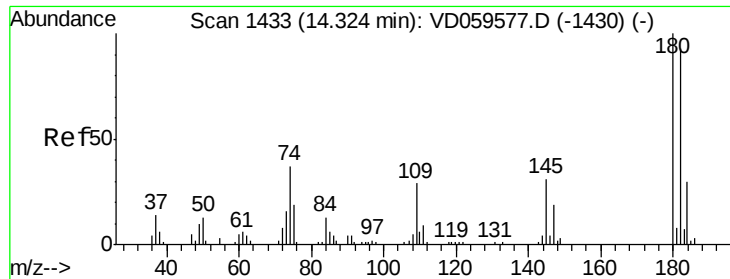
Tot Ion:146 Resp: 44430
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.4 64.3
 148 65.4 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.91 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion: 75 Resp: 4400
 Ion Ratio Lower Upper
 75 100
 155 66.8 42.5 127.5
 157 88.6 55.5 166.3

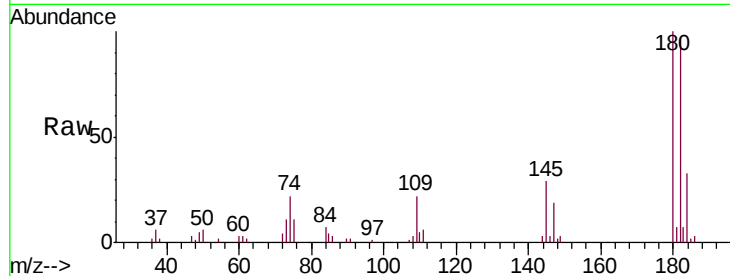




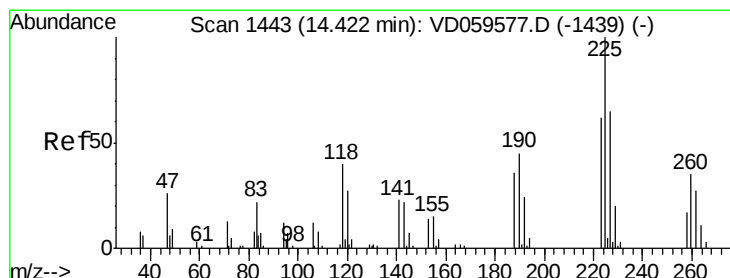
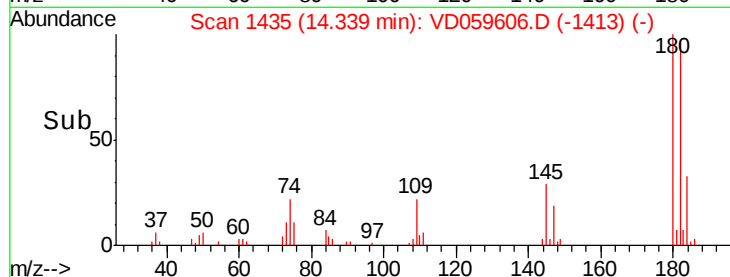
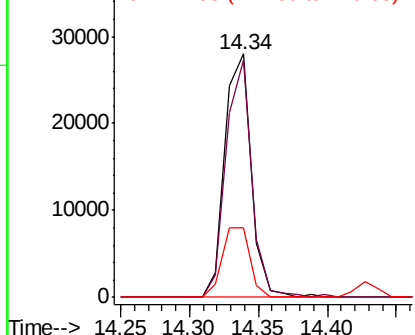
#93
 1,2,4-Trichlorobenzene
 Concen: 20.14 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBSD01

Tot Ion:180 Resp: 37188
 Ion Ratio Lower Upper
 180 100
 182 97.3 46.4 139.2
 145 28.6 15.7 47.0

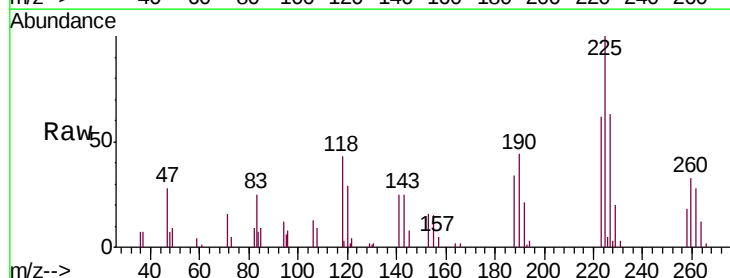


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

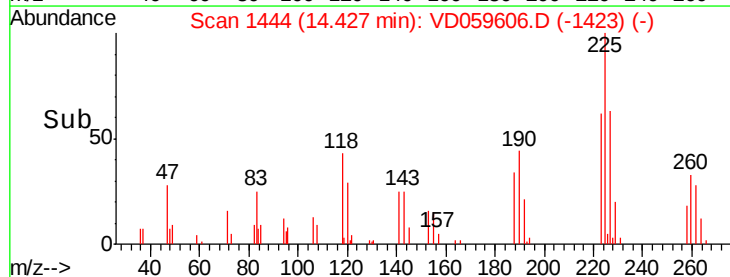
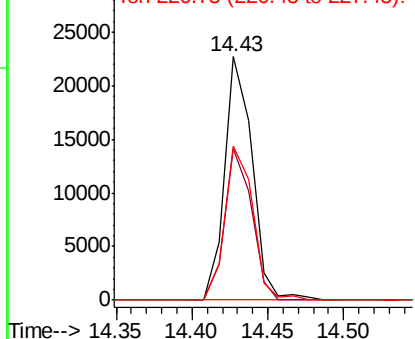


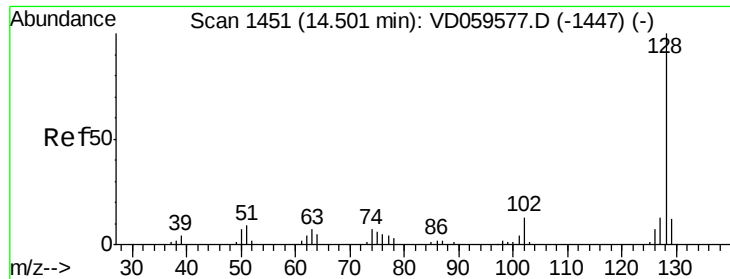
#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059606.D
 Acq: 26 Jul 2018 15:44

Tgt Ion:225 Resp: 28677
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 63.3 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

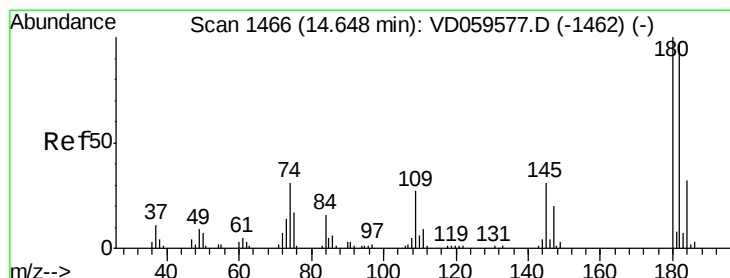
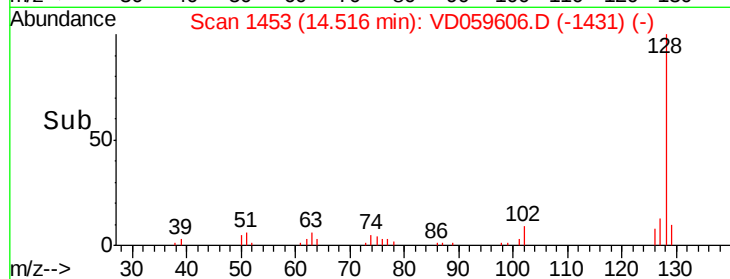
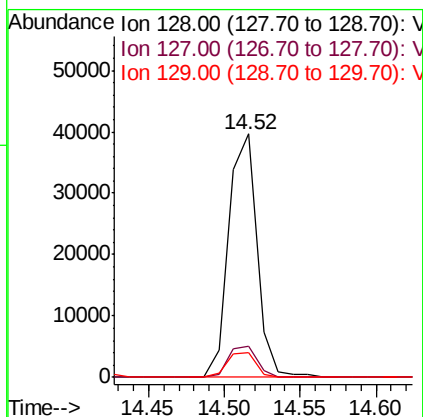
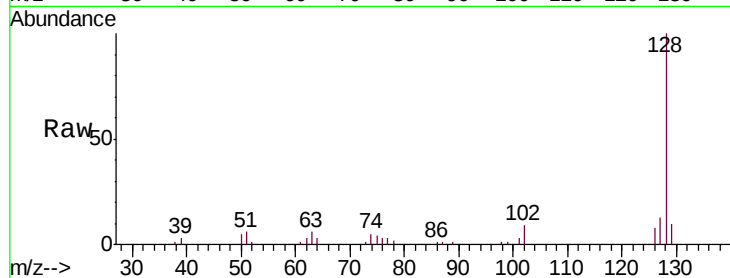




#95
Naphthalene
Concen: 19.59 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.02 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0726SBSD01

Tot Ion:128 Resp: 51439
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 19.94 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059606.D
Acq: 26 Jul 2018 15:44

Tgt Ion:180 Resp: 33322
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.9
145 31.1 15.6 46.7

