

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059432.D
 Acq On : 26 Jun 2018 19:13
 Operator : VA/AP
 Sample : J3681-02
 Misc : 10.71g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	13517	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	29347	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	32797	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	21872	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	22270	161.11	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	322.22%	
35) Dibromofluoromethane	5.54	113	13771	57.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	115.22%	
50) Toluene-d8	8.69	98	20673	36.99	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	73.98%	
62) 4-Bromofluorobenzene	11.92	95	14540	62.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	125.10%	

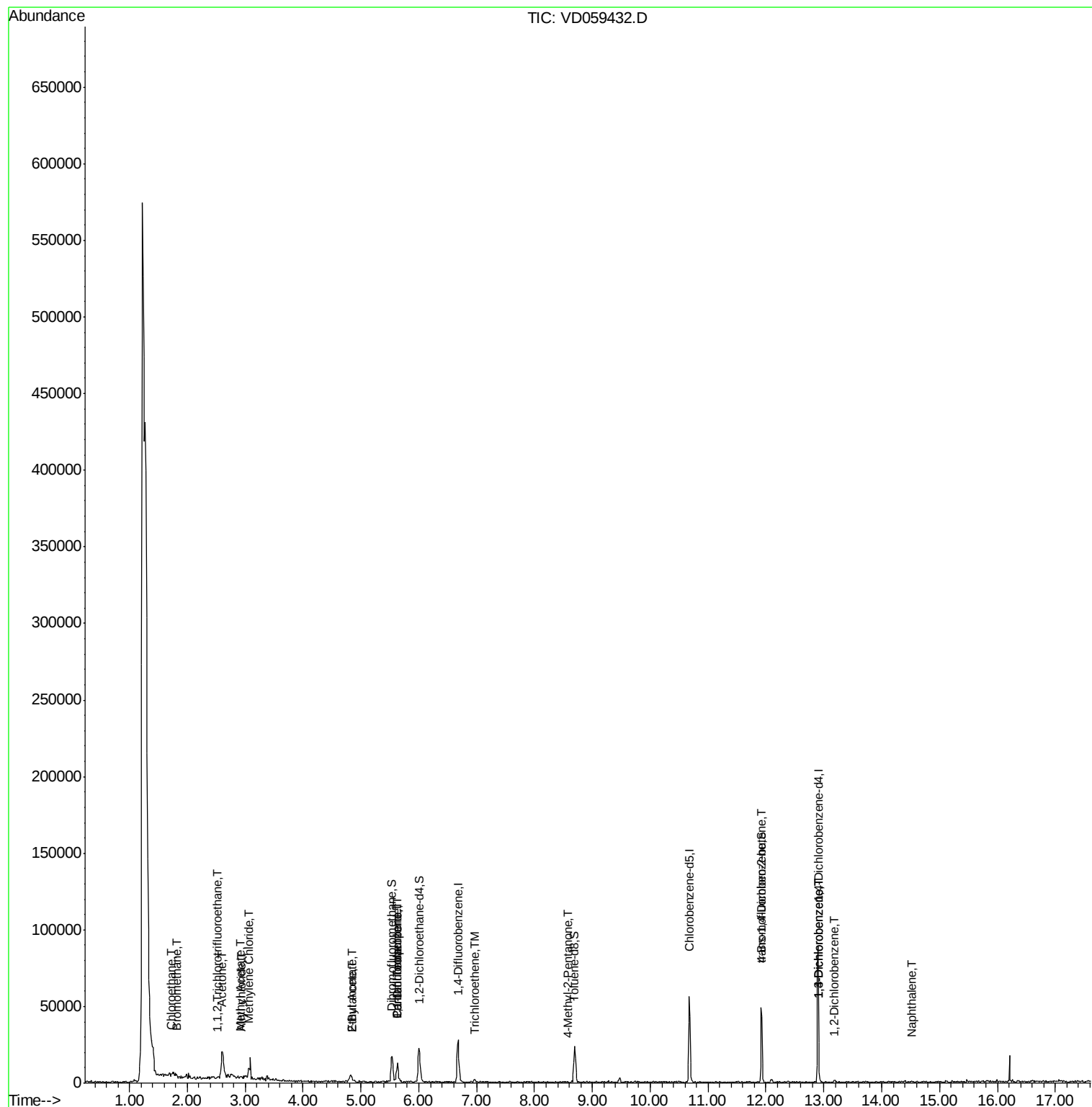
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.83	94	178	5.158	ug/l #	4
6) Chloroethane	1.72	64	222	8.311	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	2.52	101	204	3.507	ug/l #	21
14) Allyl chloride	2.94	41	589	5.778	ug/l #	11
16) Acetone	2.59	43	39316	2253.593	ug/l #	82
18) Methyl Acetate	2.91	43	791	19.655	ug/l #	66
20) Methylene Chloride	3.06	84	3044	63.593	ug/l #	85
25) 2-Butanone	4.84	43	377	10.316	ug/l #	57
31) Cyclohexane	5.64	56	217	Below Cal	#	17
36) 1,1-Dichloropropene	5.63	75	835	3.137	ug/l #	44
37) Ethyl Acetate	4.84	43	377	2.325	ug/l #	69
38) Carbon Tetrachloride	5.63	117	581	2.117	ug/l #	12
44) Trichloroethene	6.97	130	676	3.232	ug/l	91
51) 4-Methyl-2-Pentanone	8.59	43	290	2.138	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.92	75	7181	104.723	ug/l #	1
87) 1,3-Dichlorobenzene	12.92	146	969	1.516	ug/l #	9
88) 1,4-Dichlorobenzene	12.92	146	969	1.536	ug/l #	7
91) 1,2-Dichlorobenzene	13.19	146	1309	2.416	ug/l #	24
95) Naphthalene	14.51	128	934	1.338	ug/l #	71

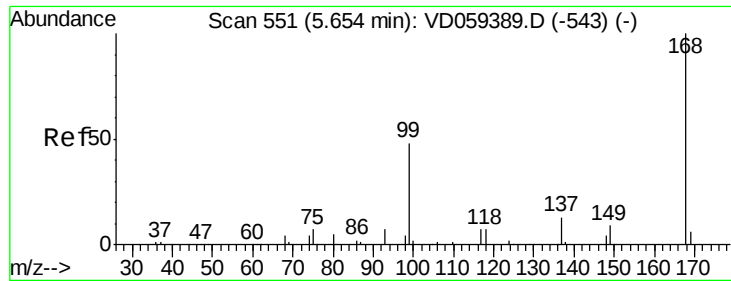
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059432.D
Acq On : 26 Jun 2018 19:13
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Misc : 10.71g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 27 05:53:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

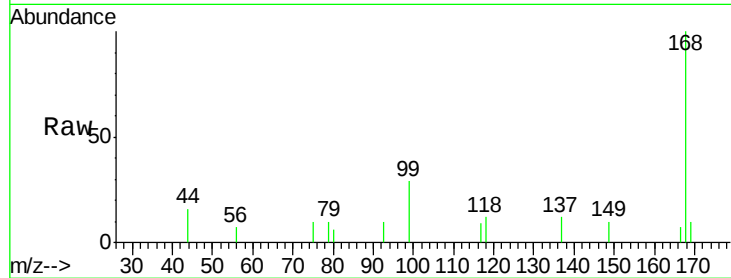
ClientSampleId :

Tot Ion:168 Resp: 13517

Ion Ratio Lower Upper

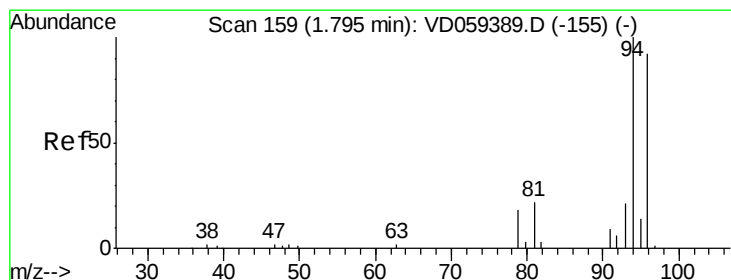
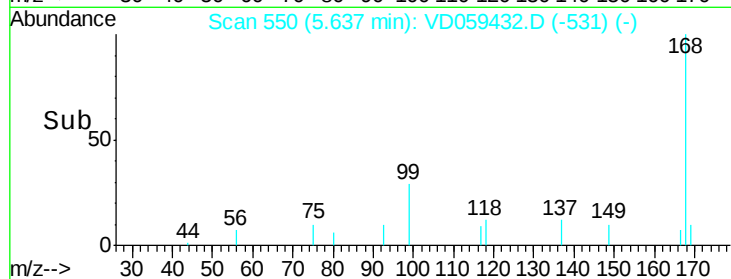
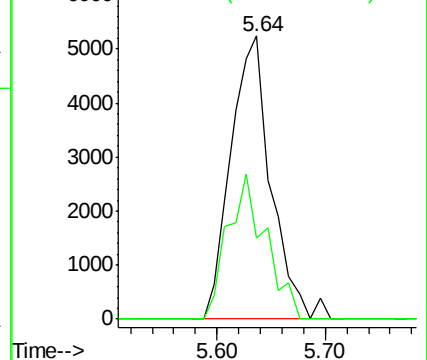
168 100

99 28.9 41.0 61.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 5.158 ug/l

RT: 1.83 min Scan# 163

Delta R.T. 0.03 min

Lab File: VD059432.D

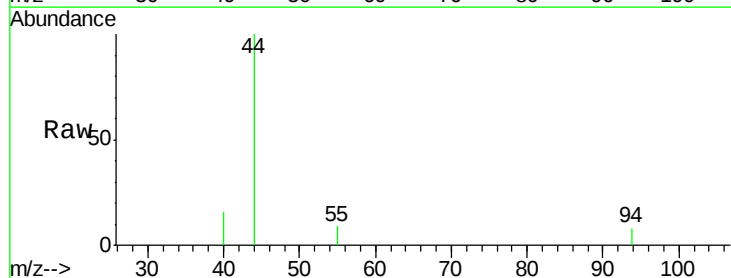
Acq: 26 Jun 2018 19:13

Tgt Ion: 94 Resp: 178

Ion Ratio Lower Upper

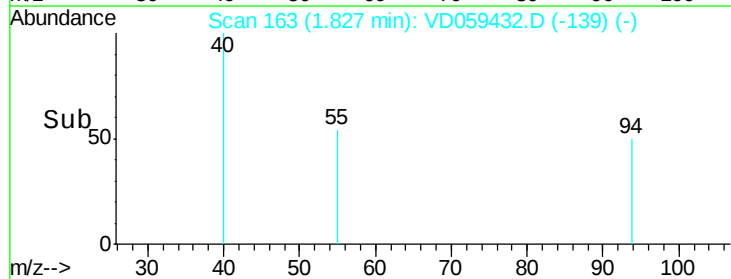
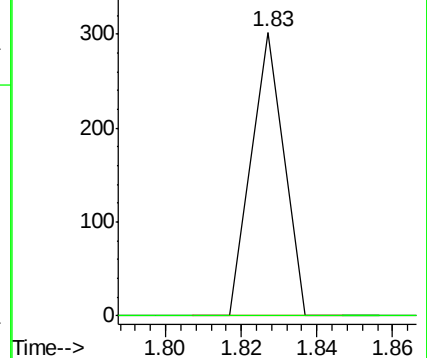
94 100

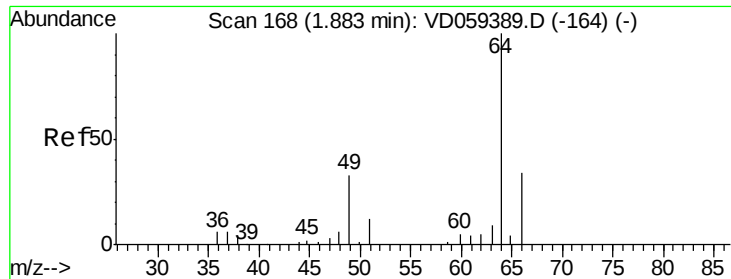
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 8.311 ug/l

RT: 1.72 min Scan# 152

Delta R.T. -0.16 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

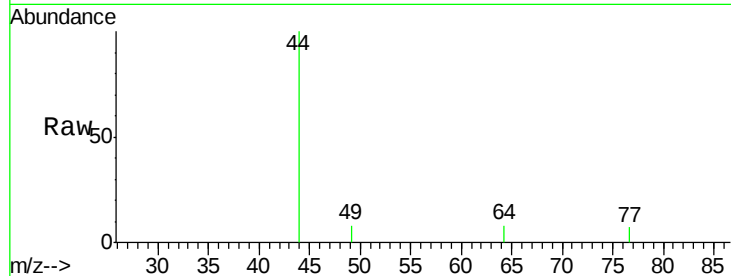
ClientSampleId :

Tot Ion: 64 Resp: 222

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.72

400

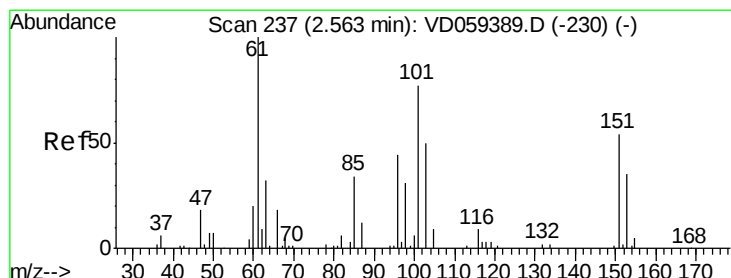
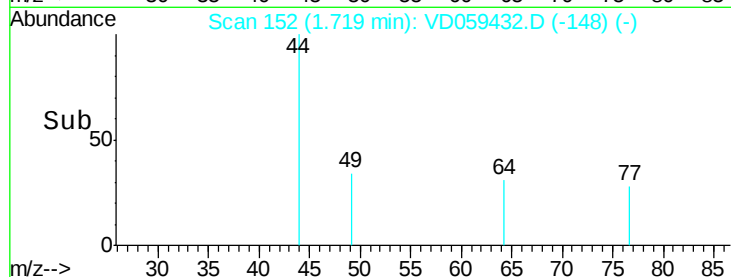
300

200

100

0

Time--> 1.70 1.72 1.74



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.507 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.05 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

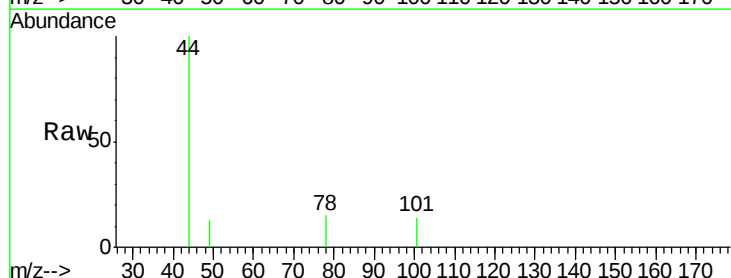
Tgt Ion: 101 Resp: 204

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 55.8 83.8#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

400

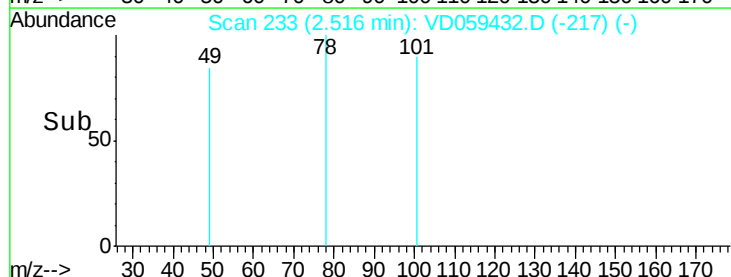
300

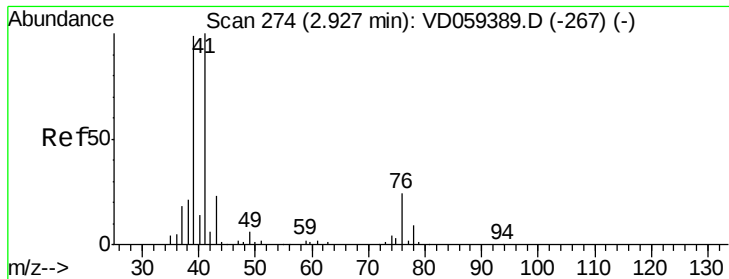
200

100

0

Time--> 2.48 2.50 2.52 2.54

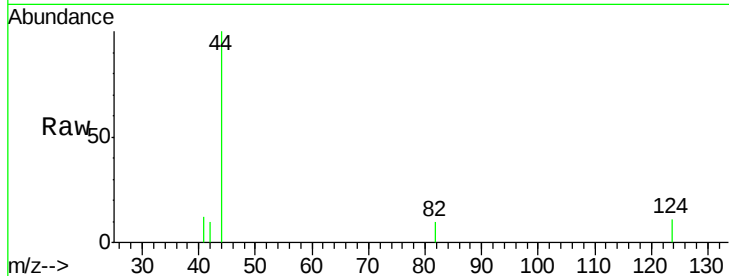




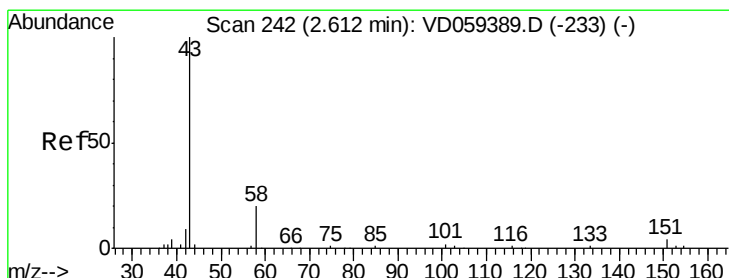
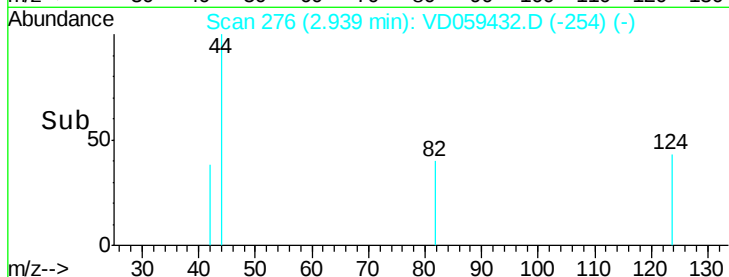
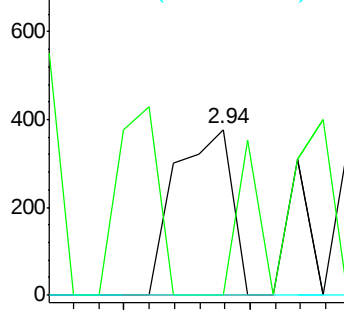
#14
Allvl chloride
Concen: 5.778 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD059432.D
Acq: 26 Jun 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 589
Ion Ratio Lower Upper
41 100
39 0.0 79.1 118.7#
76 0.0 21.9 32.9#

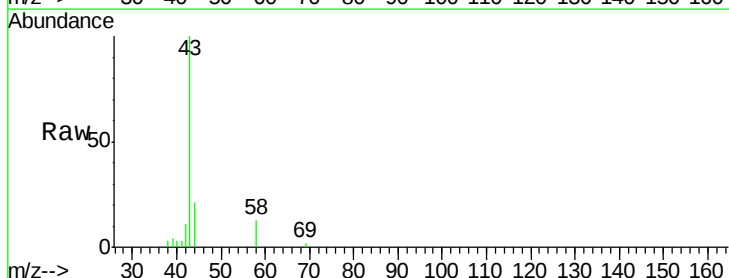


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

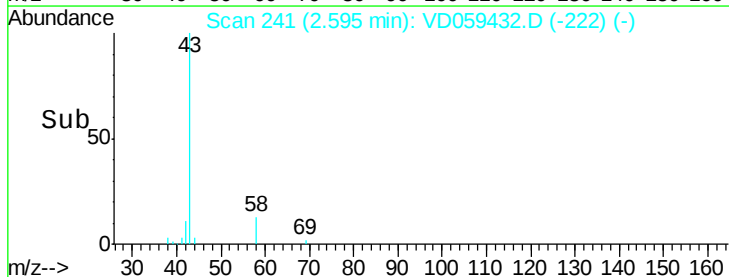
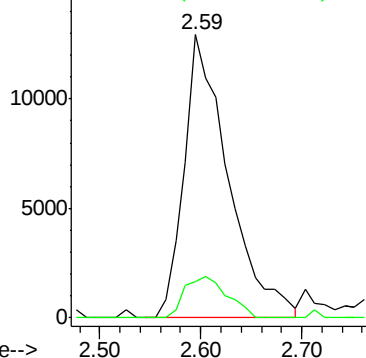


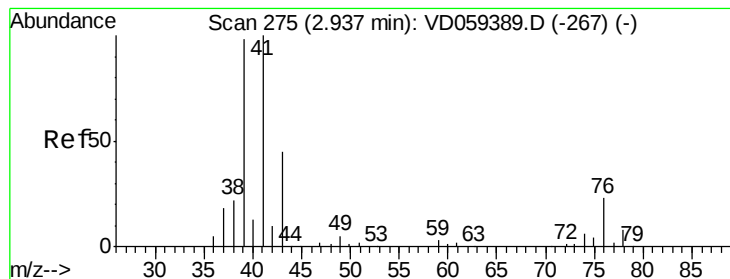
#16
Acetone
Concen: 2253.593 ug/l
RT: 2.59 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD059432.D
Acq: 26 Jun 2018 19:13

Tgt Ion: 43 Resp: 39316
Ion Ratio Lower Upper
43 100
58 12.7 16.8 25.2#



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





#18

Methyl Acetate

Concen: 19.655 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.03 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

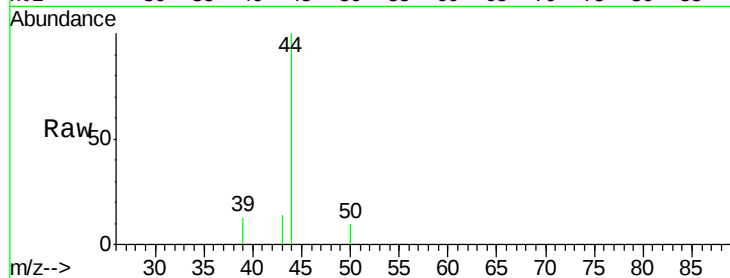
ClientSampled :

Tot Ion: 43 Resp: 791

Ion Ratio Lower Upper

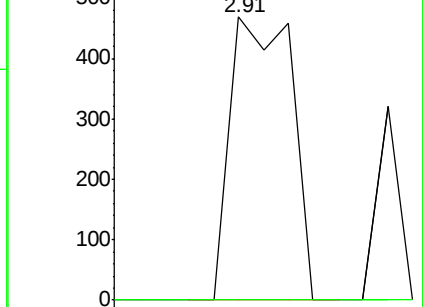
43 100

74 0.0 11.0 16.4#

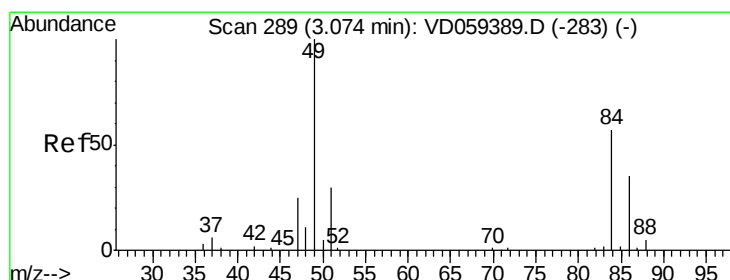
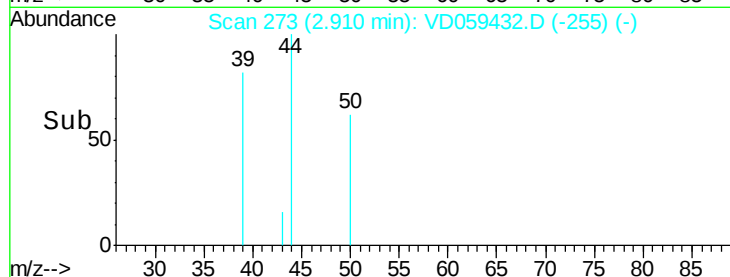


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->



#20

Methylene Chloride

Concen: 63.593 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Tgt Ion: 84 Resp: 3044

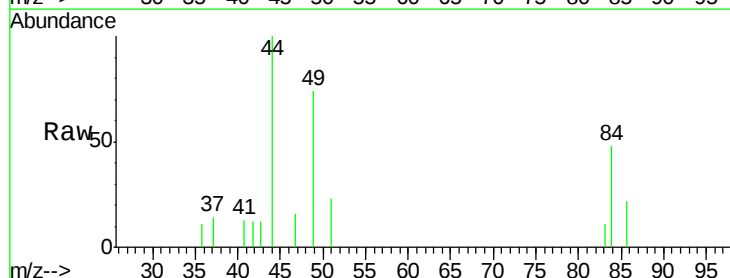
Ion Ratio Lower Upper

84 100

49 153.8 140.3 210.5

51 46.5 41.6 62.4

86 46.1 49.4 74.2#

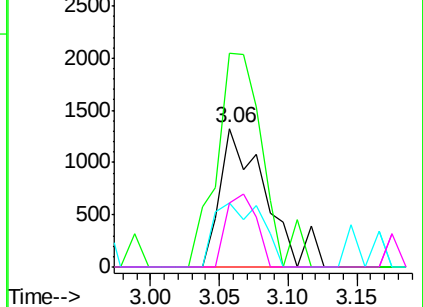


Abundance Ion 83.95 (83.65 to 84.65): VDC

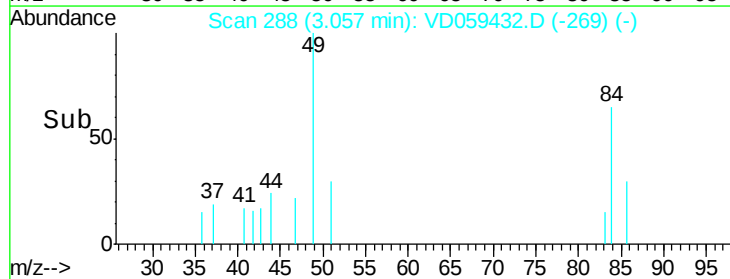
Ion 48.90 (48.60 to 49.60): VDC

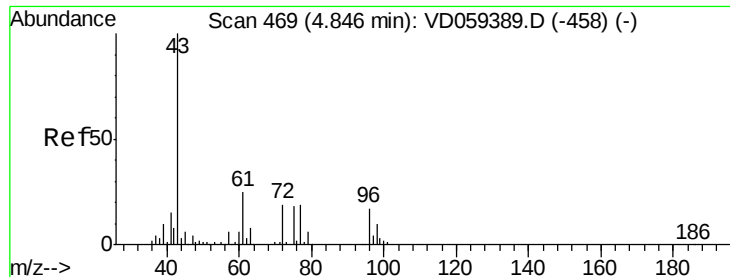
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 10.316 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

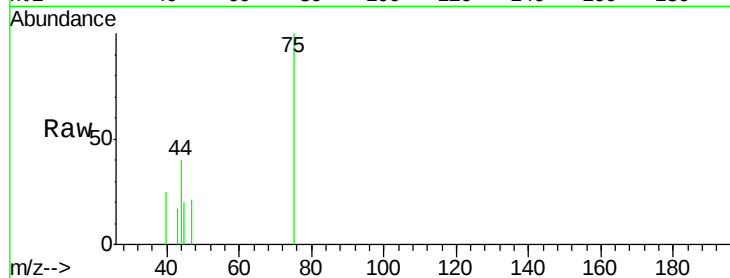
ClientSampleId :

Tot Ion: 43 Resp: 377

Ion Ratio Lower Upper

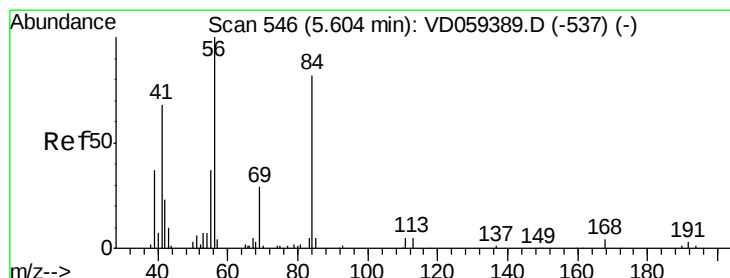
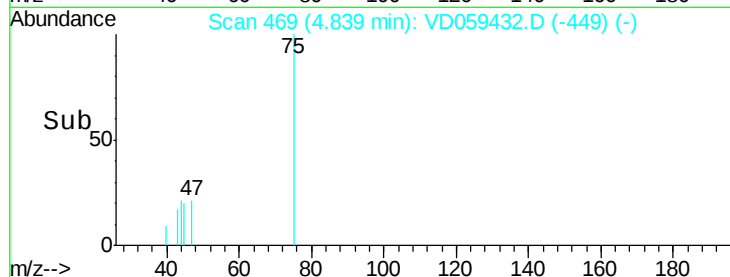
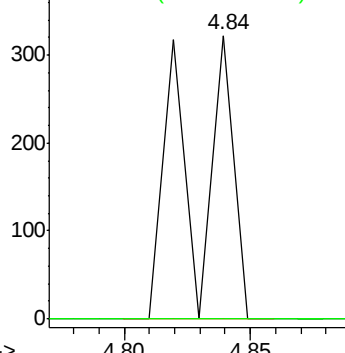
43 100

72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

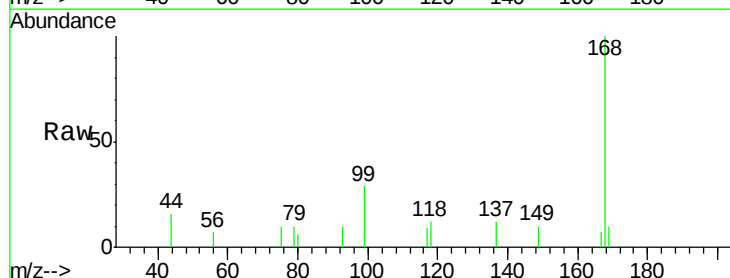
Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

69 0.0 22.9 34.3#

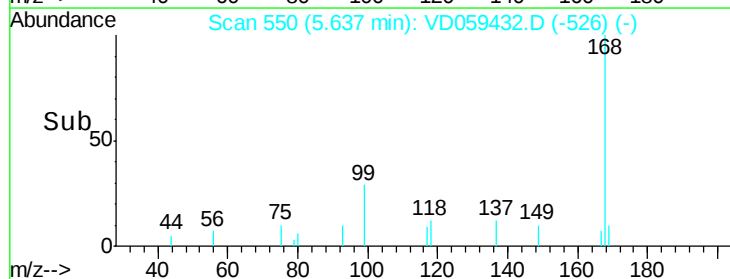
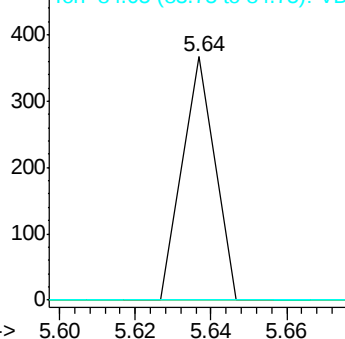
84 0.0 67.3 100.9#

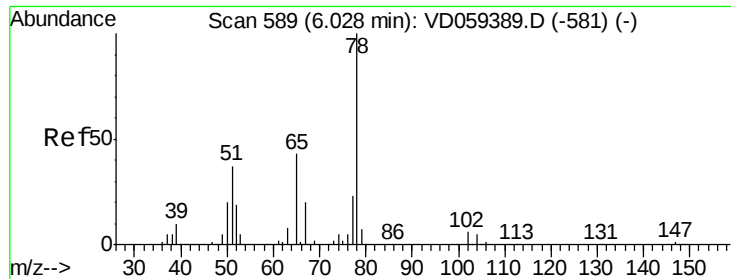


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

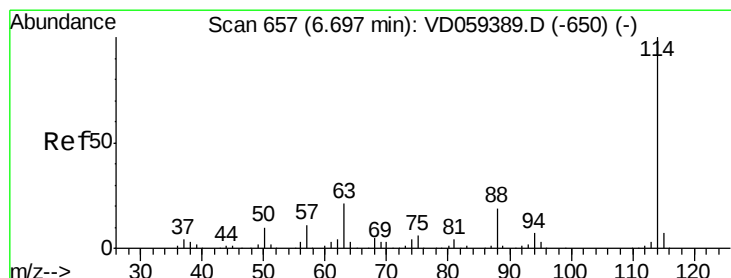
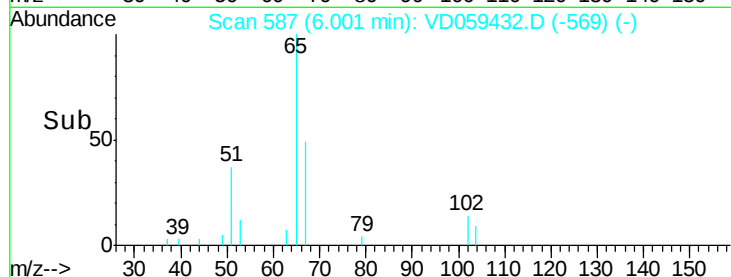
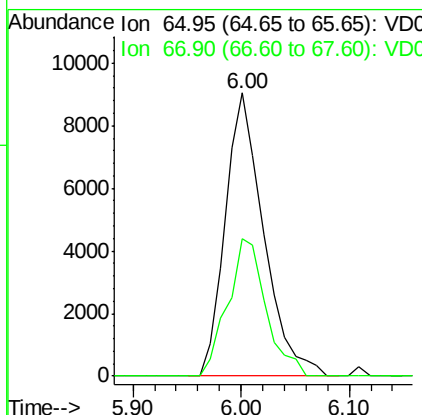
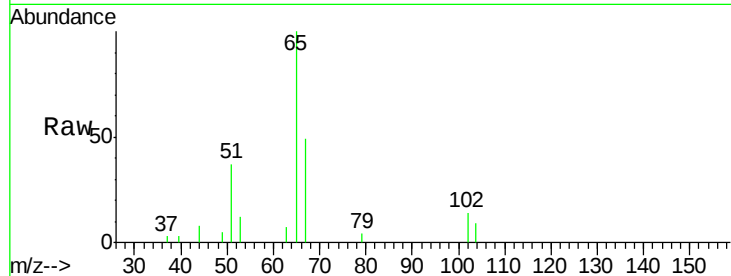




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

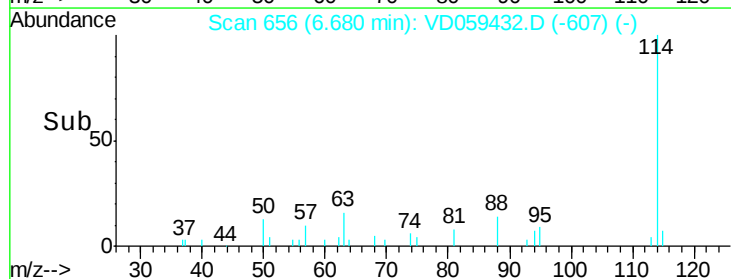
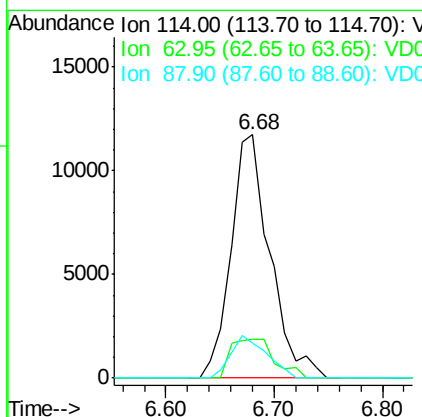
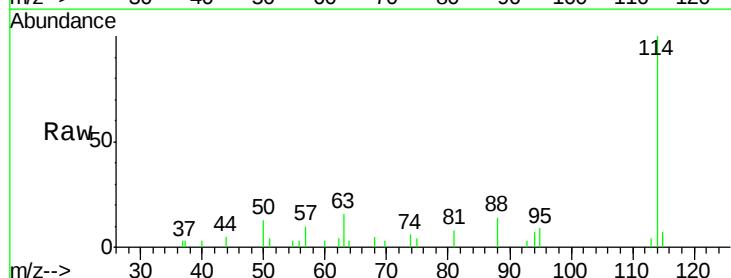
Instrument :
 MSVOA_D
 ClientSampleId :

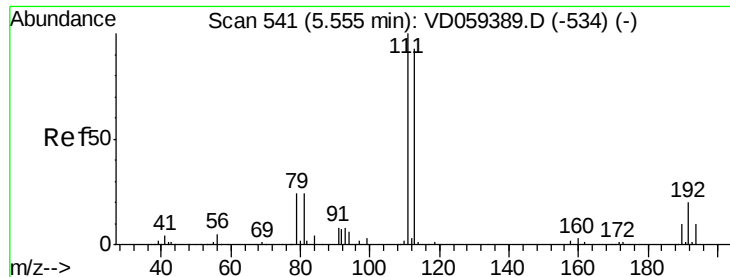
Tot Ion: 65 Resp: 22270
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

Tgt Ion: 114 Resp: 29347
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 42.4
 88 14.5 0.0 38.0

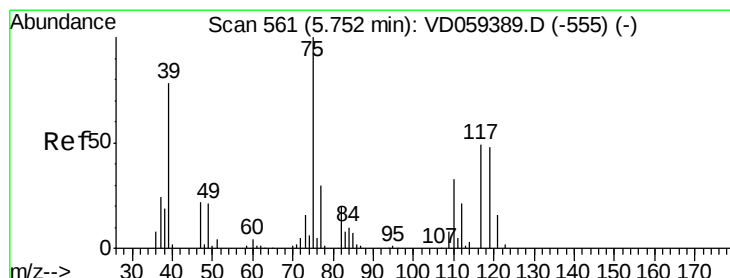
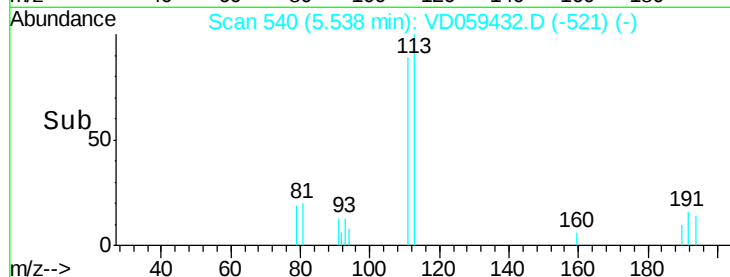
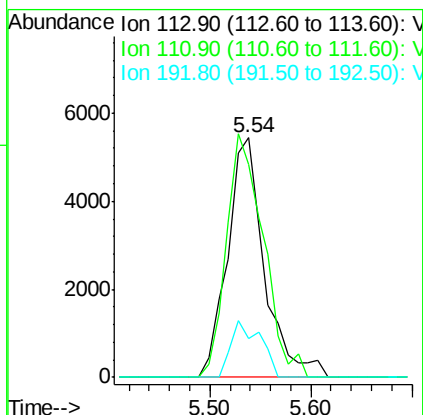
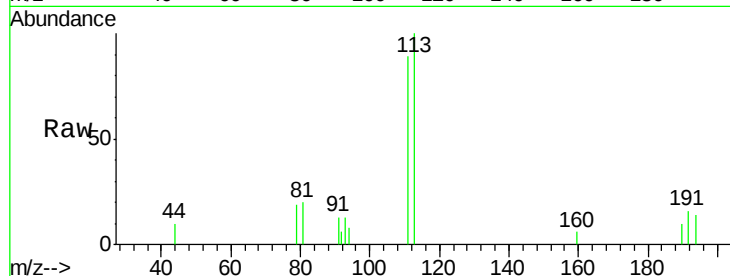




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

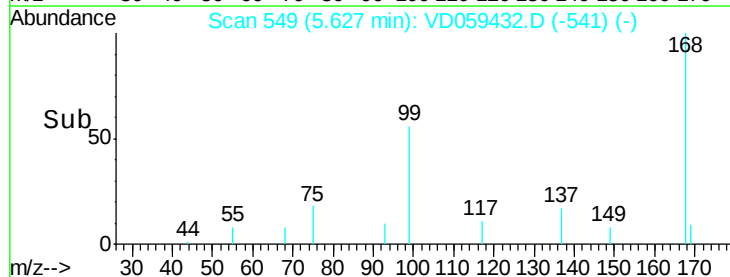
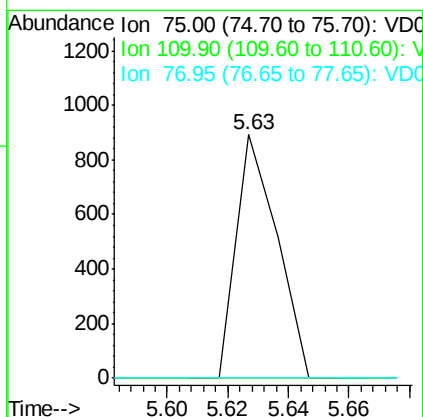
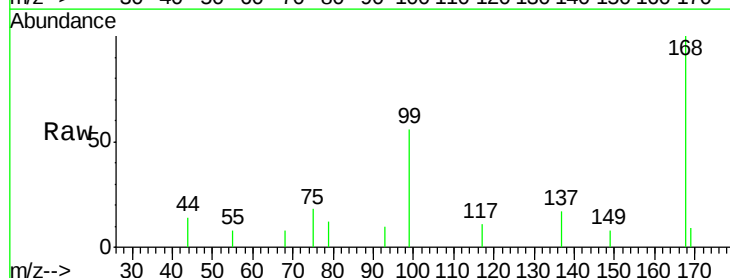
Instrument :
 MSVOA_D
 ClientSampleId :

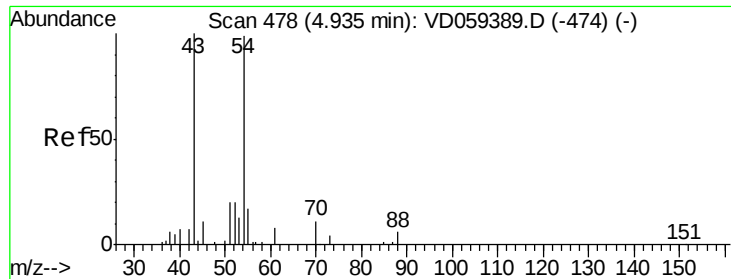
Tot Ion:113 Resp: 13771
 Ion Ratio Lower Upper
 113 100
 111 88.7 85.7 128.5
 192 16.0 16.9 25.3#



#36
 1,1-Dichloropropene
 Concen: 3.137 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

Tgt Ion: 75 Resp: 835
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.1 48.2#
 77 0.0 23.4 35.2#





#37

Ethyl Acetate

Concen: 2.325 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.10 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

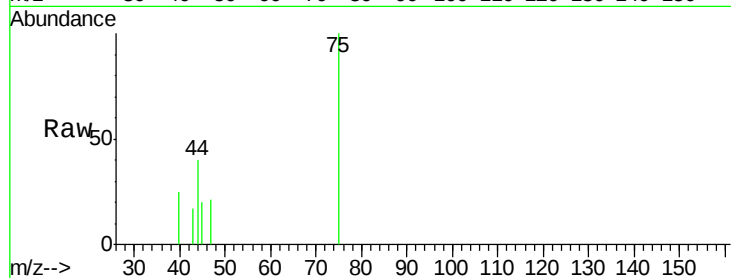
Tot Ion: 43 Resp: 377

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

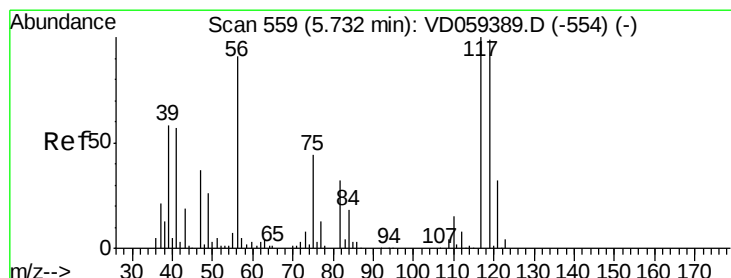
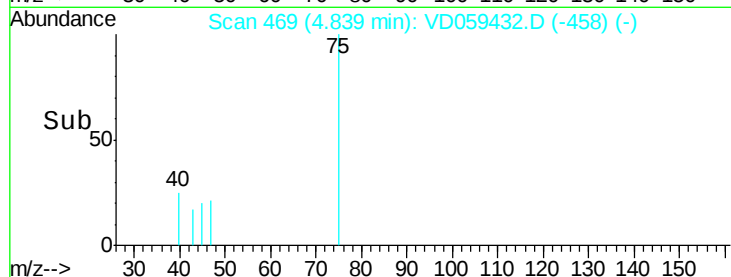
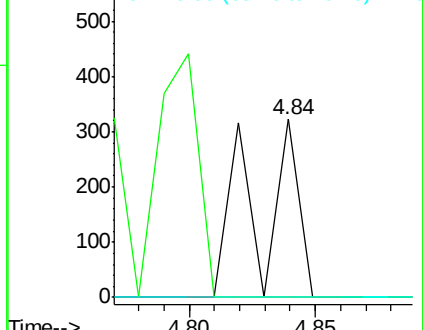
70 0.0 6.1 9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 2.117 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

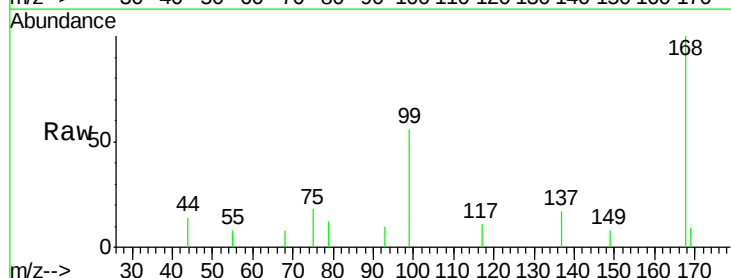
Tgt Ion: 117 Resp: 581

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

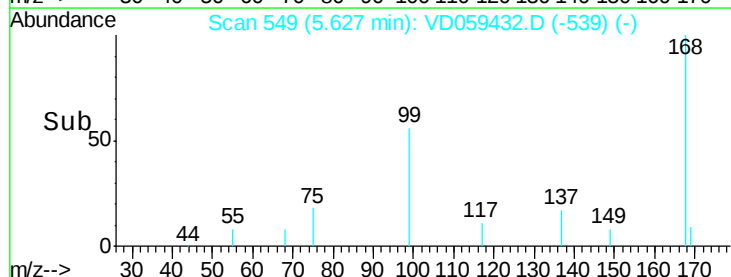
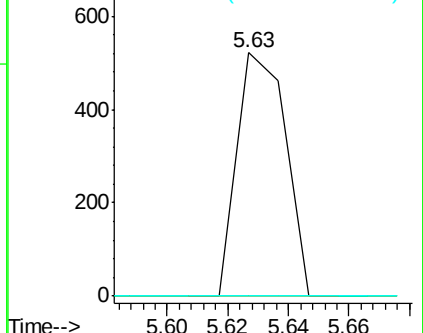
121 0.0 25.0 37.4#

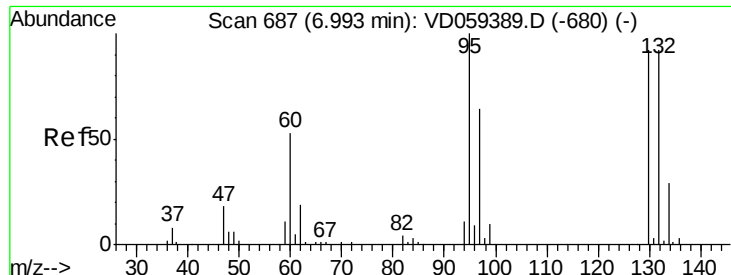


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

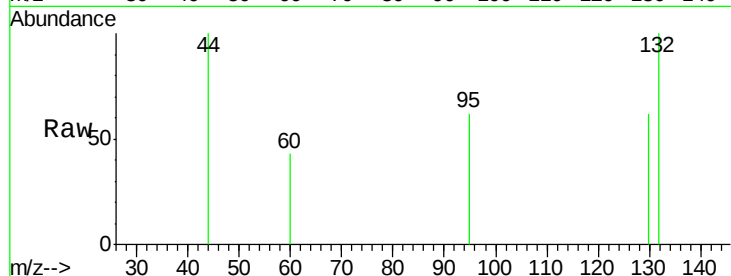




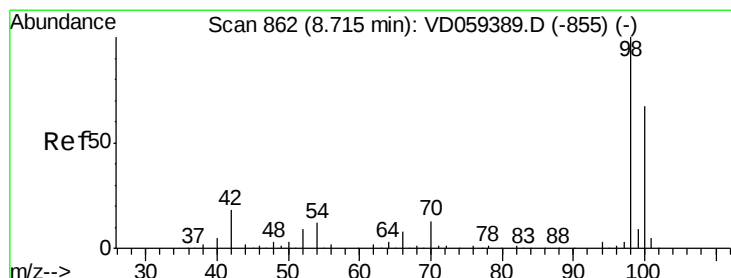
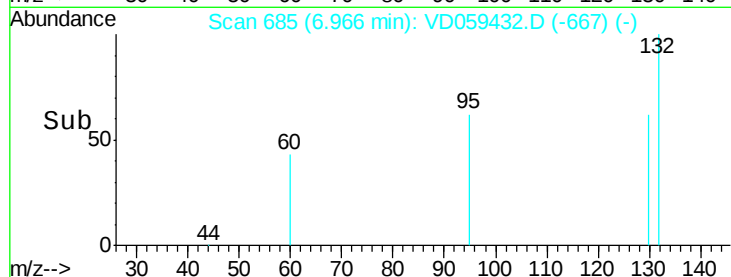
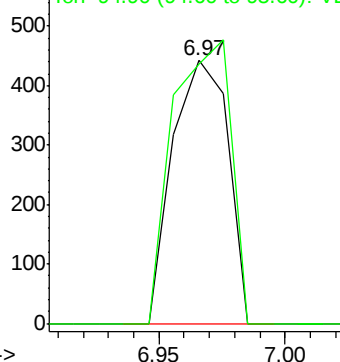
#44
 Trichloroethene
 Concen: 3.232 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:130 Resp: 676
 Ion Ratio Lower Upper
 130 100
 95 98.9 0.0 216.4

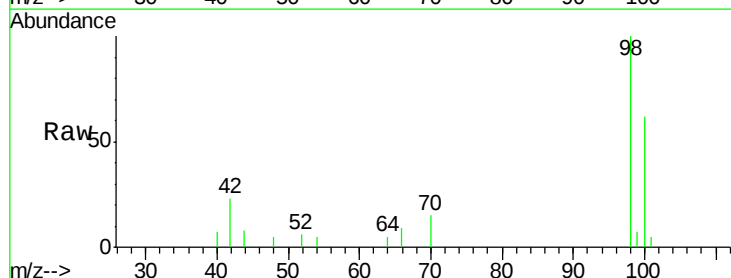


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

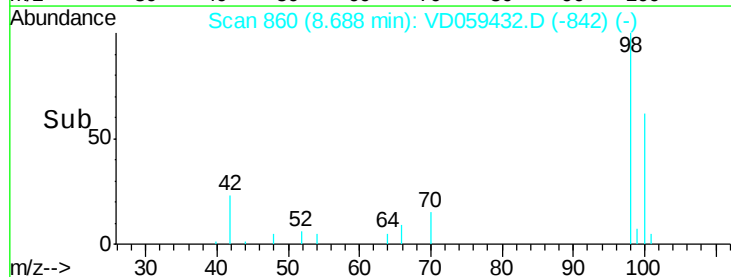
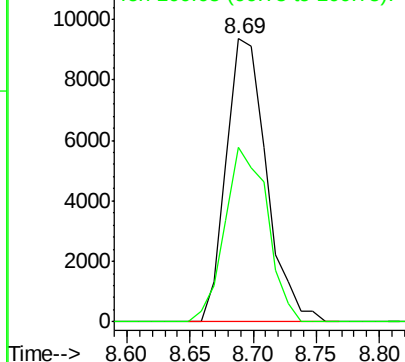


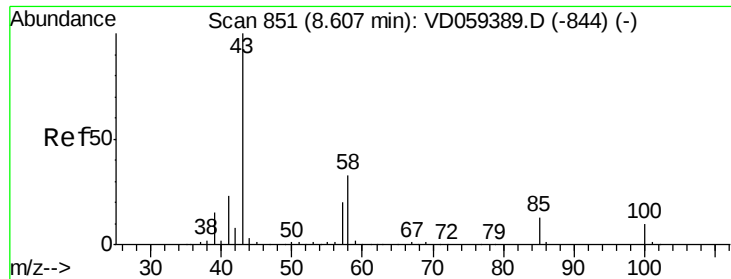
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.69 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

Tgt Ion: 98 Resp: 20673
 Ion Ratio Lower Upper
 98 100
 100 61.7 54.4 81.6



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: 2.138 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

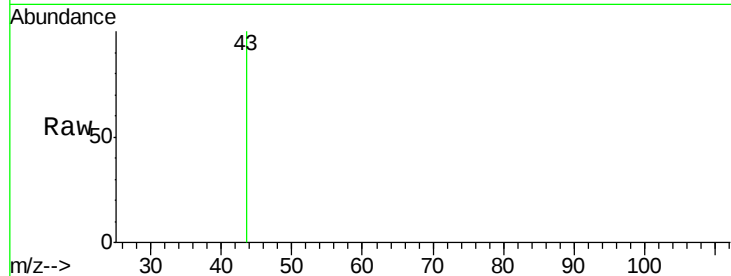
ClientSampled :

Tot Ion: 43 Resp: 290

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

500

400

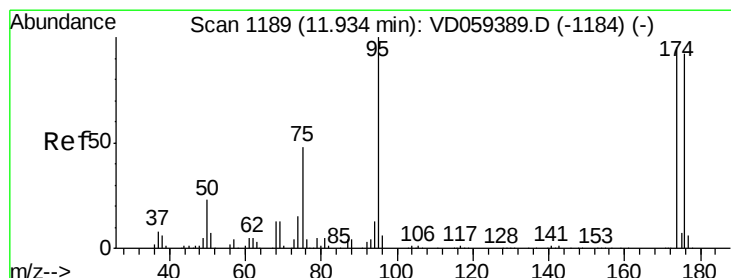
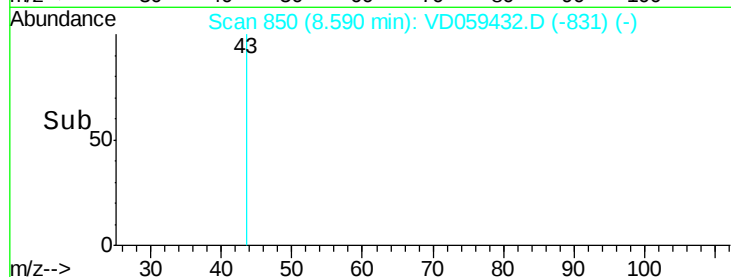
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.02 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

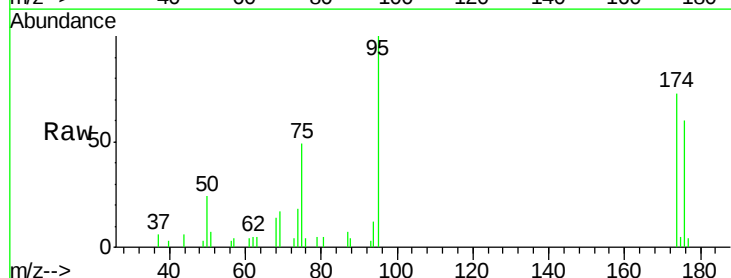
Tgt Ion: 95 Resp: 14540

Ion Ratio Lower Upper

95 100

174 72.8 0.0 190.4

176 60.1 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

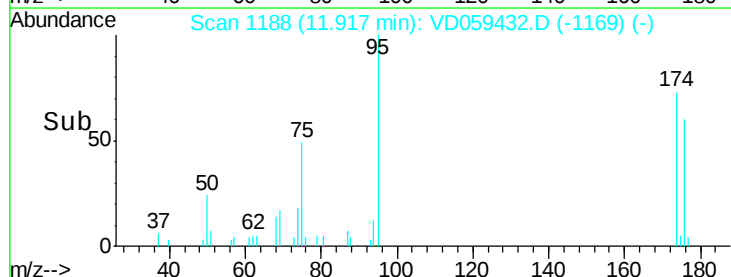
15000

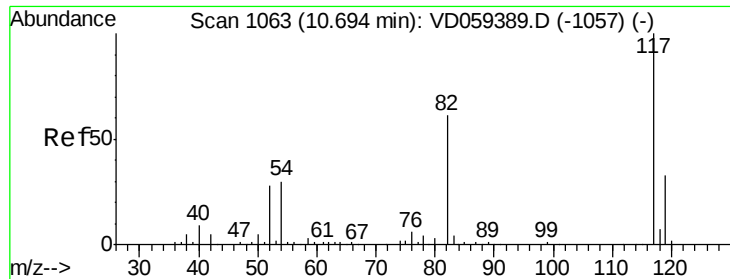
10000

5000

0

Time-->

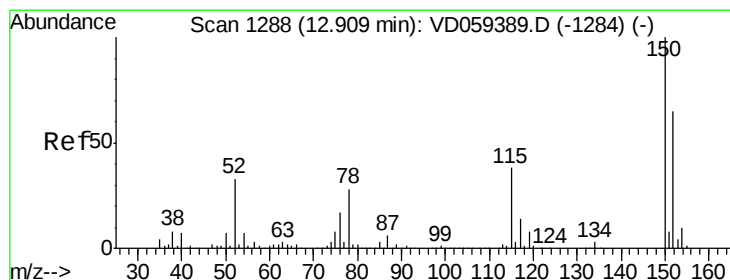
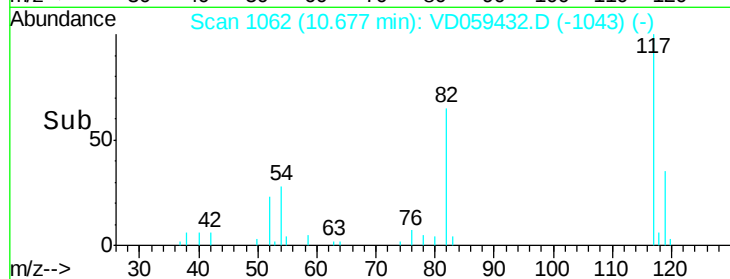
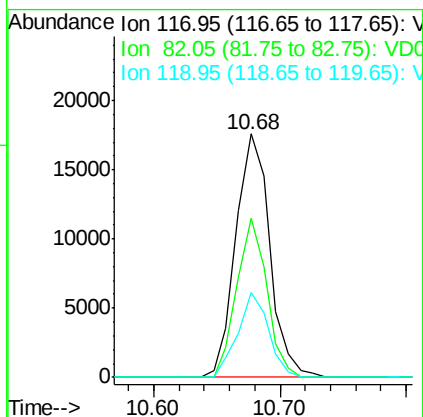
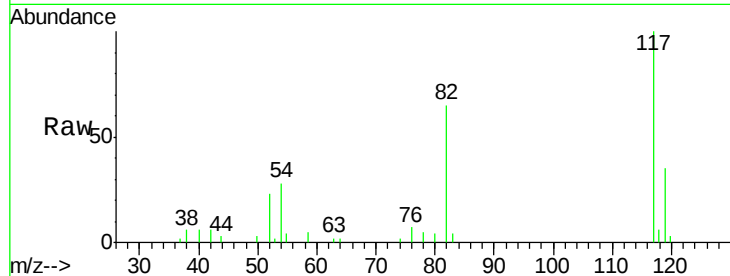




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059432.D
Acq: 26 Jun 2018 19:13

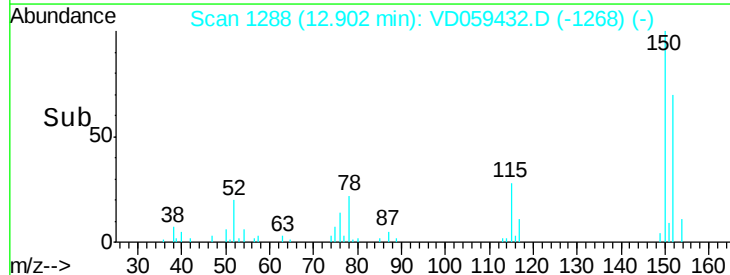
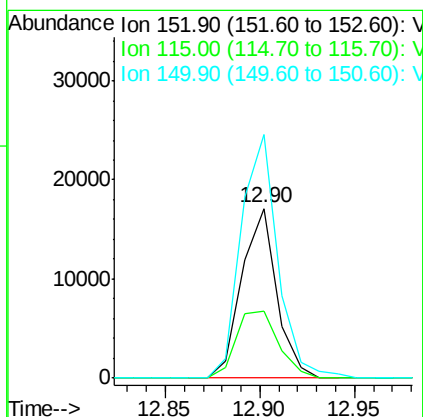
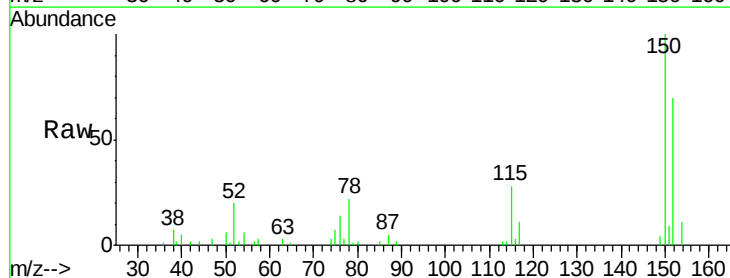
Instrument :
MSVOA_D
ClientSampleId :

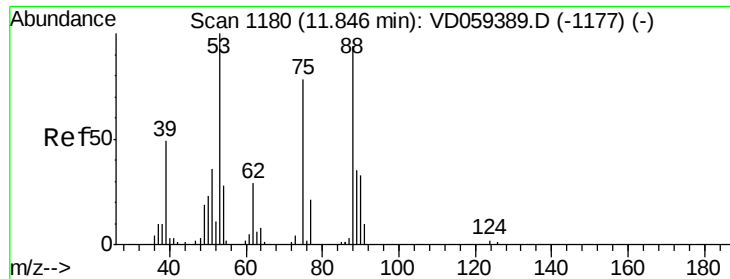
Tot Ion:117 Resp: 32797
Ion Ratio Lower Upper
117 100
82 65.2 49.0 73.6
119 35.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059432.D
Acq: 26 Jun 2018 19:13

Tgt Ion:152 Resp: 21872
Ion Ratio Lower Upper
152 100
115 39.8 29.4 88.3
150 143.7 0.0 308.2





#81

trans-1,4-Dichloro-2-butene

Concen: 104.723 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

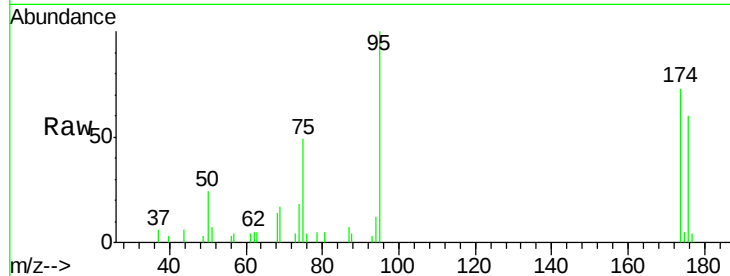
Tot Ion: 75 Resp: 7181

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

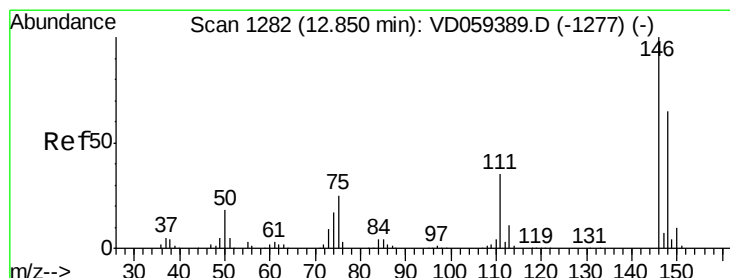
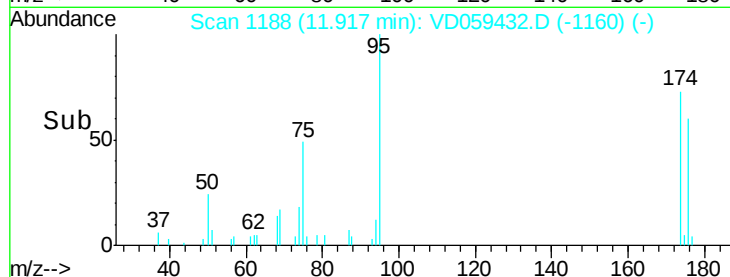
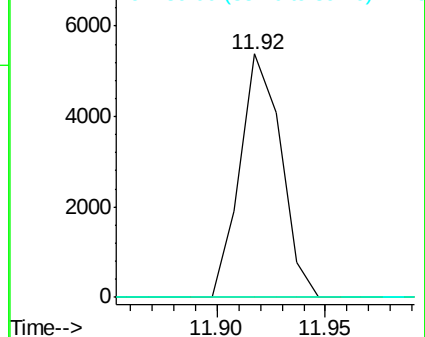
89 0.0 35.9 53.9#



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



#87

1,3-Dichlorobenzene

Concen: 1.516 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. 0.07 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

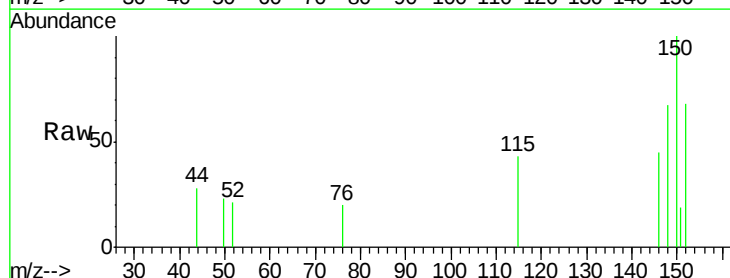
Tgt Ion: 146 Resp: 969

Ion Ratio Lower Upper

146 100

111 0.0 17.6 52.8#

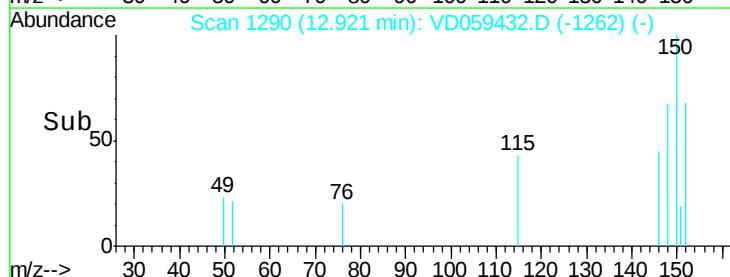
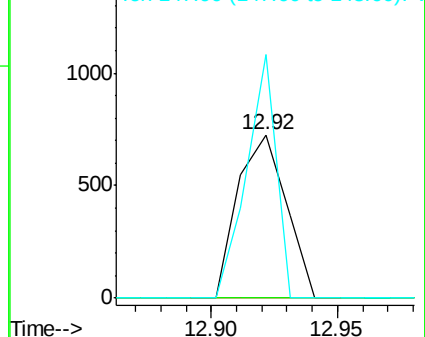
148 149.2 32.4 97.2#

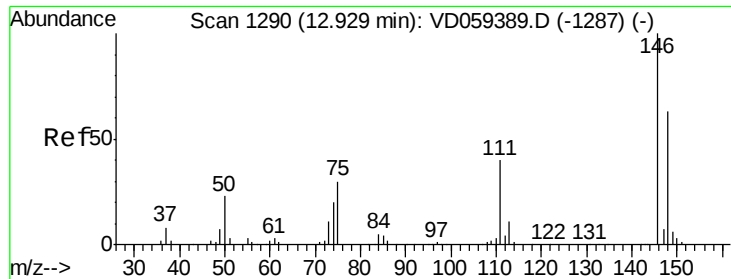


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.536 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampled :

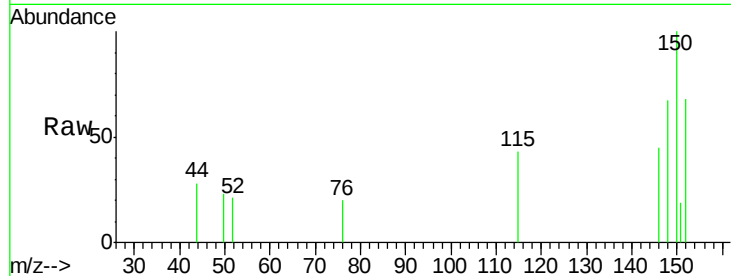
Tot Ion:146 Resp: 969

Ion Ratio Lower Upper

146 100

111 0.0 20.1 60.2#

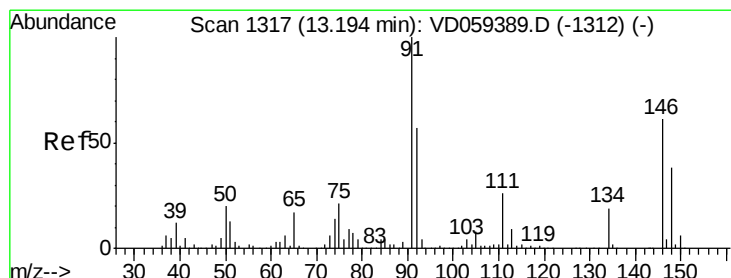
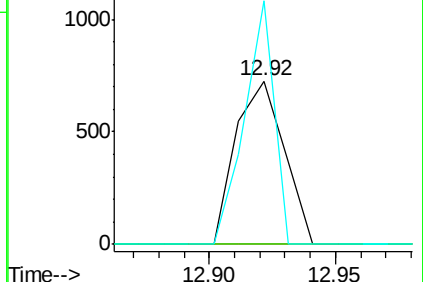
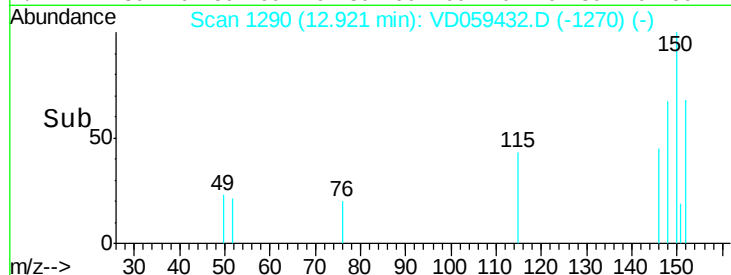
148 149.2 31.4 94.0#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 2.416 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD059432.D

Acq: 26 Jun 2018 19:13

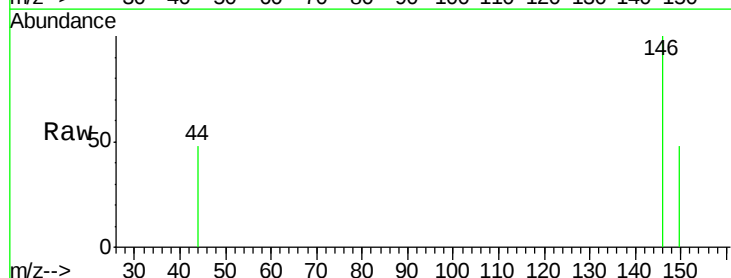
Tgt Ion:146 Resp: 1309

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

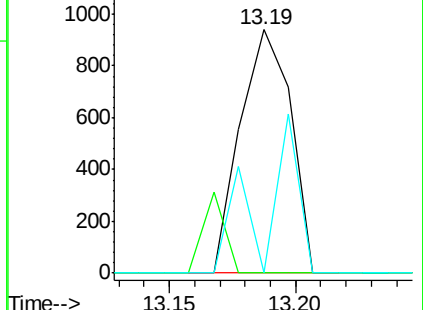
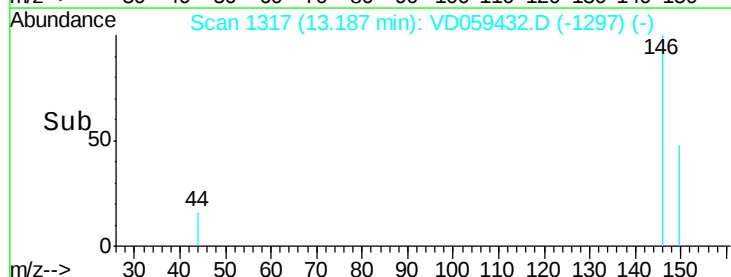
148 0.0 31.6 95.0#

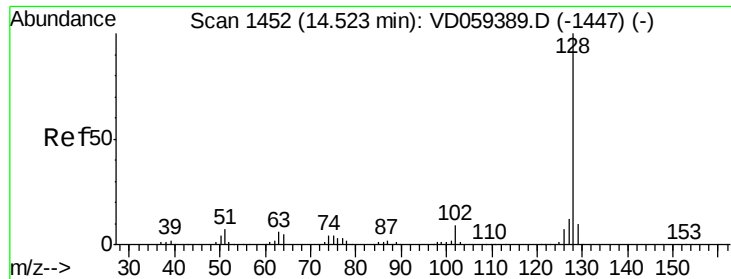


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95
 Naphthalene
 Concen: 1.338 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: VD059432.D
 Acq: 26 Jun 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 934
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.6 14.4#
 129 0.0 8.2 12.2#

