

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058236.D
 Acq On : 21 Jun 2018 5:31
 Operator : VA/AP
 Sample : J3603-03
 Misc : 5.34g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-2

Quant Time: Jun 21 05:50:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	66908	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	95030	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	77229	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	35201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	78400	116.01	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	232.02%	
35) Dibromofluoromethane	5.57	113	55320	71.52	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	143.04%	
50) Toluene-d8	8.72	98	104148	55.66	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	11.94	95	41560	54.37	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	108.74%	

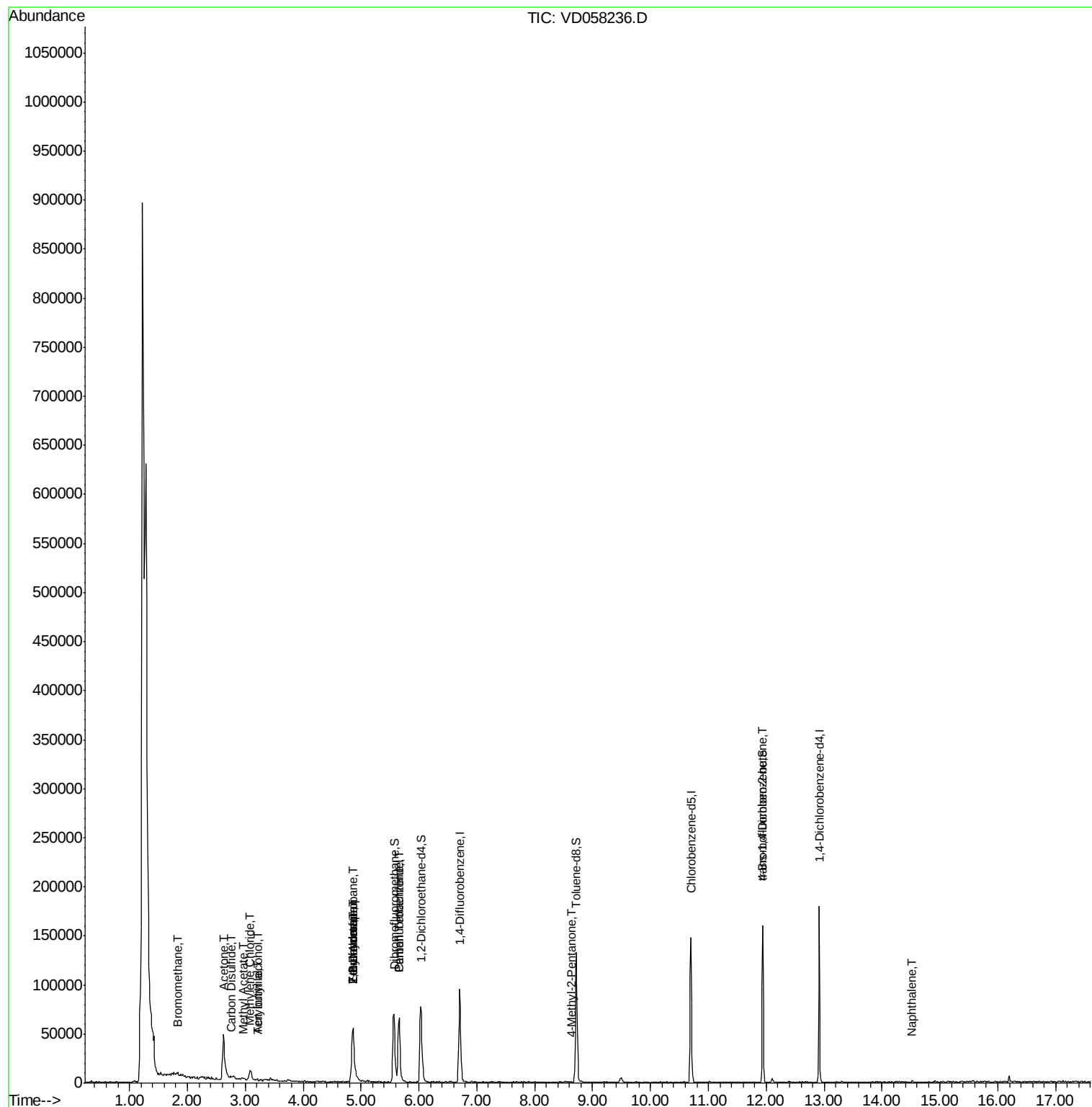
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.84	94	591	4.024	ug/l #	3
11) Tert butyl alcohol	3.21	59	552	24.765	ug/l #	78
15) Acrylonitrile	3.21	53	224	3.790	ug/l #	14
16) Acetone	2.63	43	91441	989.367	ug/l #	89
17) Carbon Disulfide	2.76	76	1309	1.674	ug/l #	76
18) Methyl Acetate	2.97	43	3029	15.367	ug/l #	65
20) Methylene Chloride	3.08	84	5260	18.830	ug/l	96
25) 2-Butanone	4.86	43	29865	148.258	ug/l #	92
26) 2,2-Dichloropropane	4.85	77	2791	2.912	ug/l #	55
29) Tetrahydrofuran	4.85	42	2598	24.230	ug/l #	1
31) Cyclohexane	5.66	56	1331	Below Cal	#	1
37) Ethyl Acetate	4.86	43	29865	55.757	ug/l #	83
38) Carbon Tetrachloride	5.67	117	5345	5.722	ug/l #	11
51) 4-Methyl-2-Pentanone	8.62	43	1969	4.227	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.94	75	20944	167.088	ug/l #	1
82) 4-Chlorotoluene	12.33	91	208	Below Cal	#	45
95) Naphthalene	14.52	128	1365	1.162	ug/l #	70

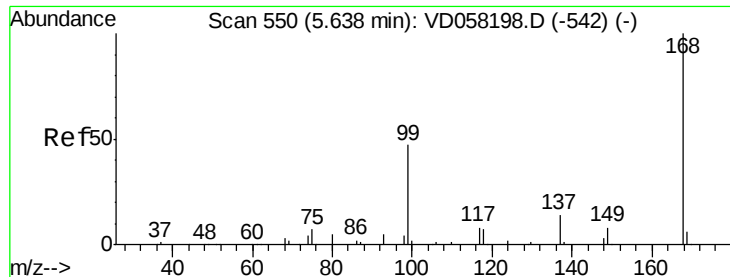
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampled :

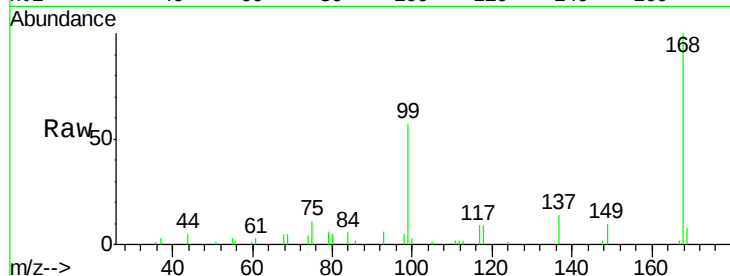
26KV-TP-2

Tot Ion:168 Resp: 66908

Ion Ratio Lower Upper

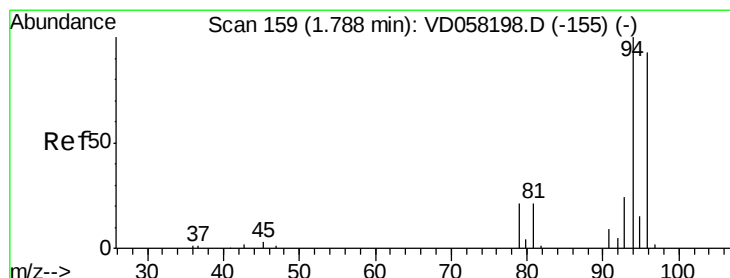
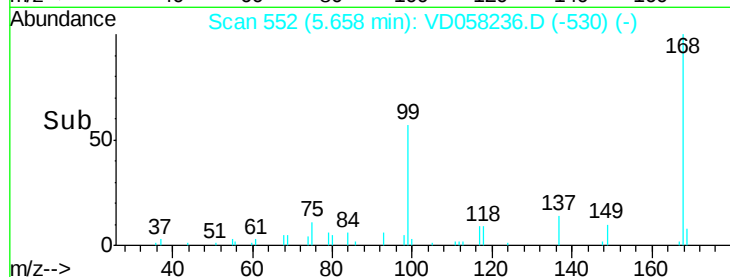
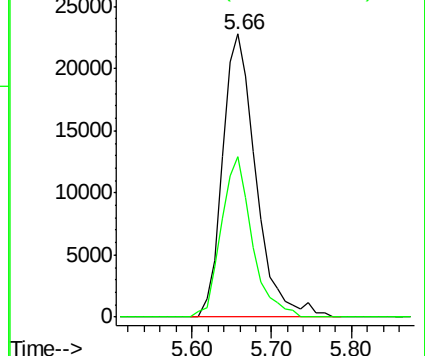
168 100

99 56.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 4.024 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.05 min

Lab File: VD058236.D

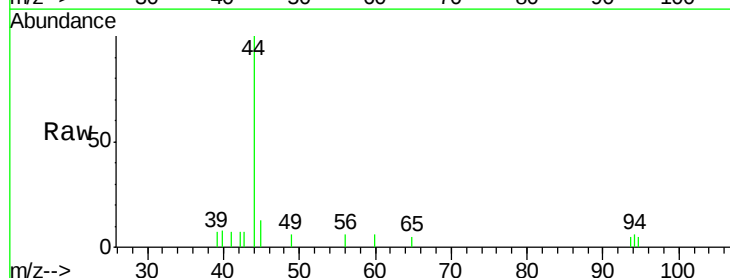
Acq: 21 Jun 2018 5:31

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

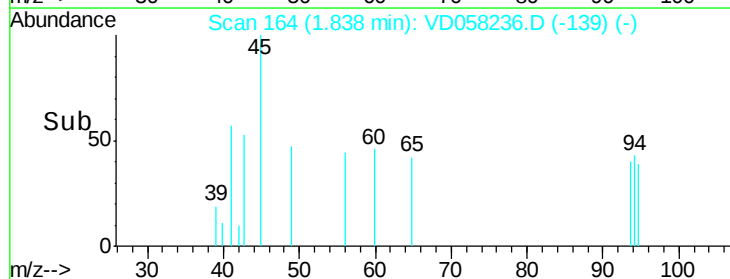
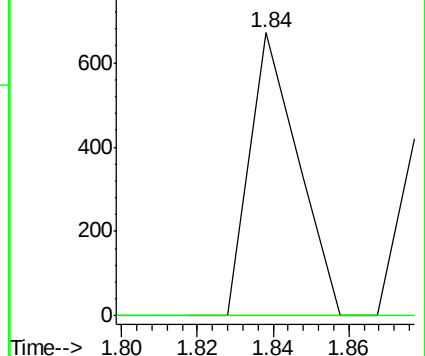
94 100

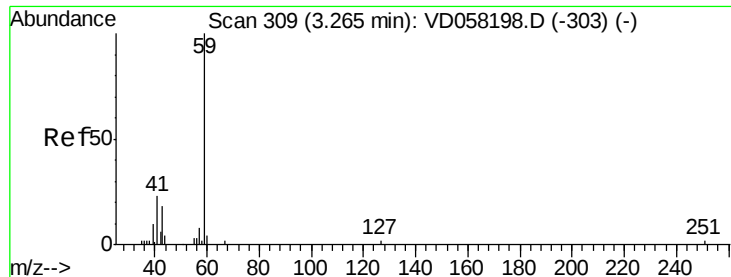
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



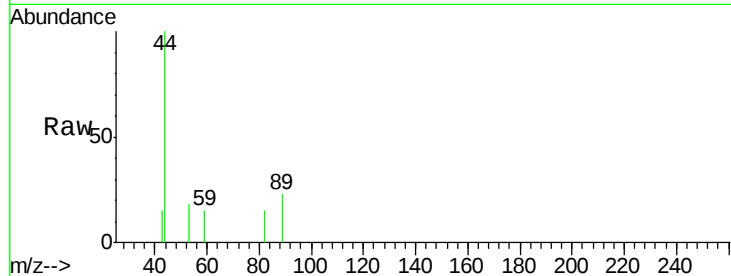


#11

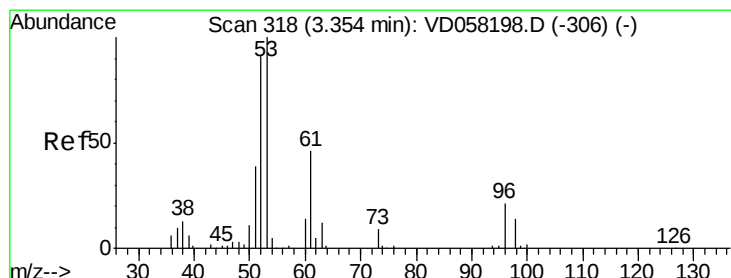
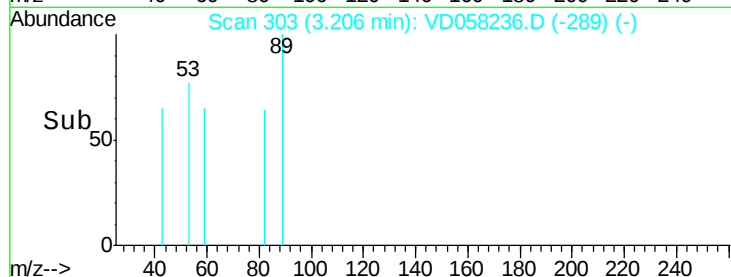
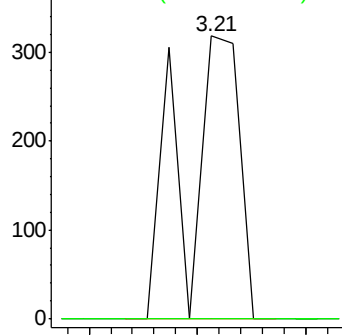
Tert butyl alcohol
 Concen: 24.765 ug/l
 RT: 3.21 min Scan# 303
 Delta R.T. -0.06 min
 Lab File: VD058236.D
 Acq: 21 Jun 2018 5:31

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-2

Tot Ion: 59 Resp: 552
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#



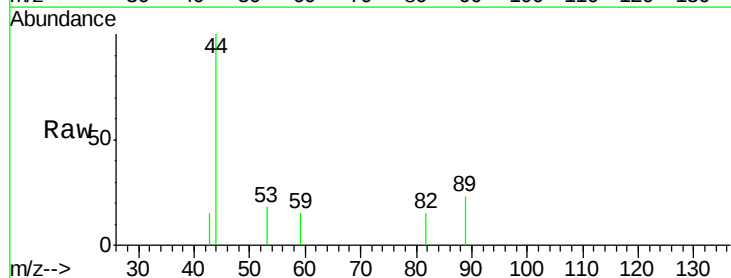
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



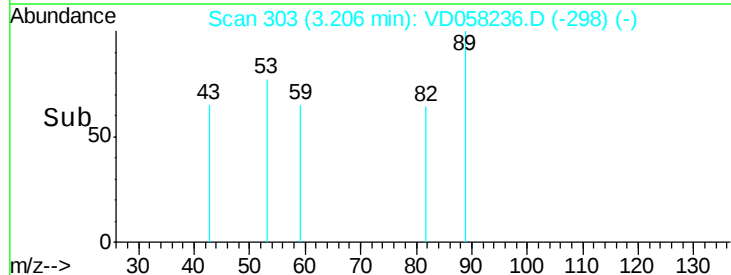
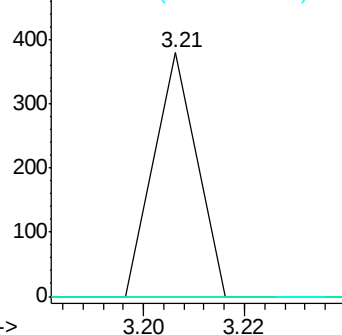
#15

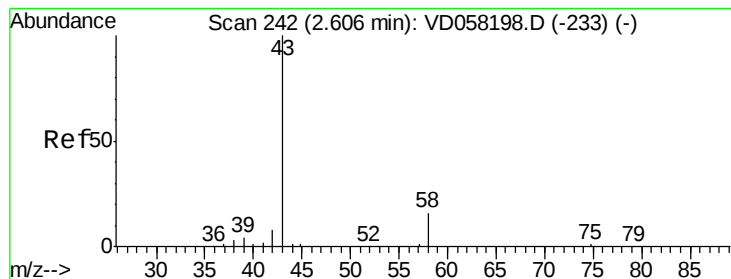
Acrylonitrile
 Concen: 3.790 ug/l
 RT: 3.21 min Scan# 303
 Delta R.T. -0.15 min
 Lab File: VD058236.D
 Acq: 21 Jun 2018 5:31

Tgt Ion: 53 Resp: 224
 Ion Ratio Lower Upper
 53 100
 52 0.0 72.6 108.8#
 51 0.0 32.2 48.4#



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: 989.367 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

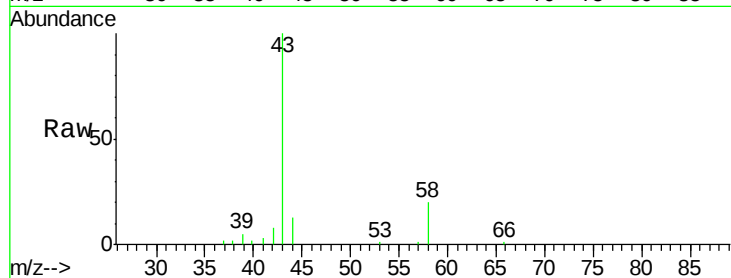
26KV-TP-2

Tot Ion: 43 Resp: 91441

Ion Ratio Lower Upper

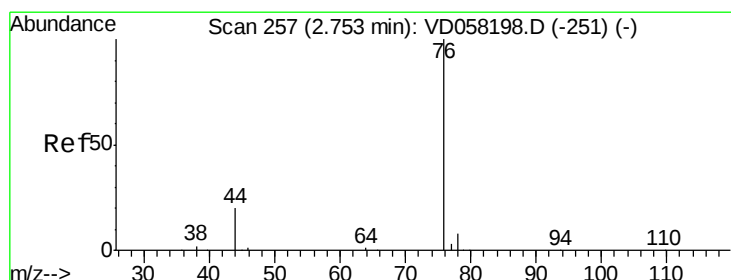
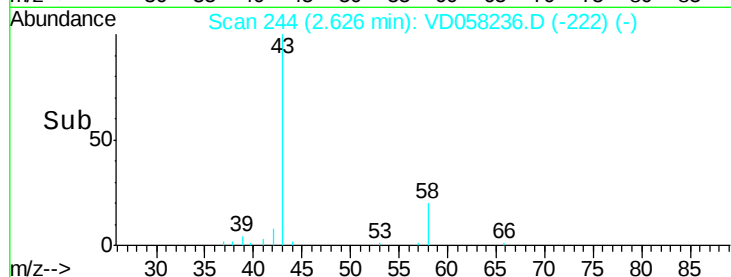
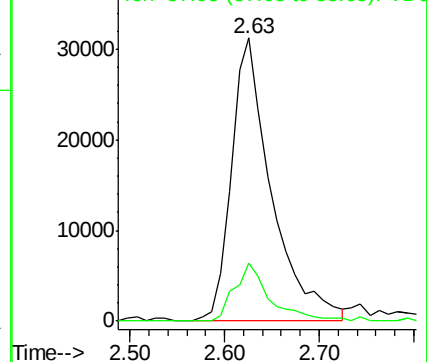
43 100

58 20.5 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.674 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058236.D

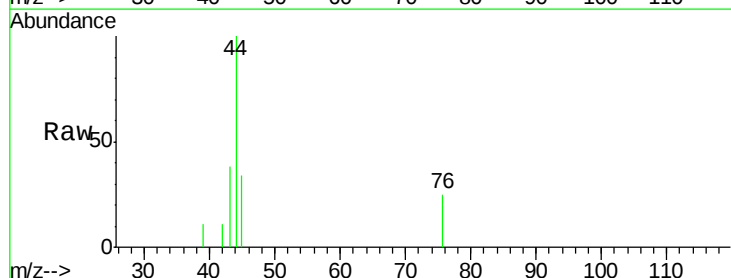
Acq: 21 Jun 2018 5:31

Tgt Ion: 76 Resp: 1309

Ion Ratio Lower Upper

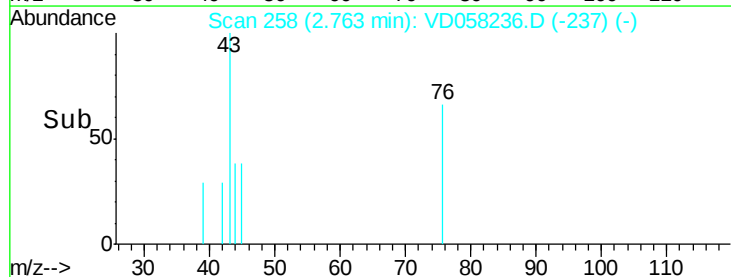
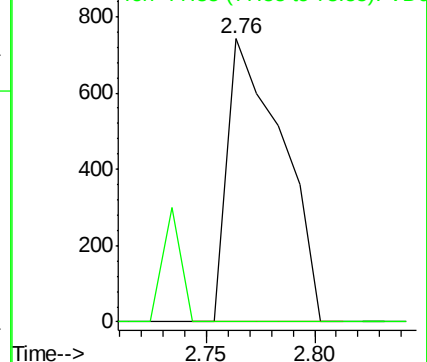
76 100

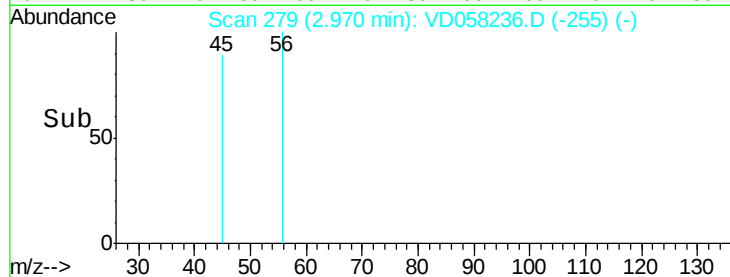
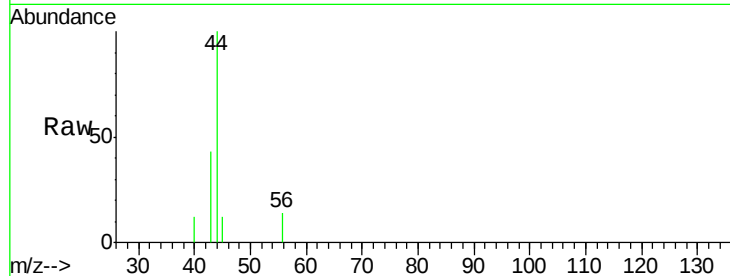
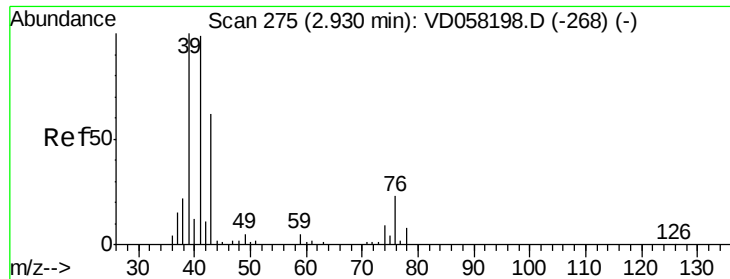
78 0.0 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

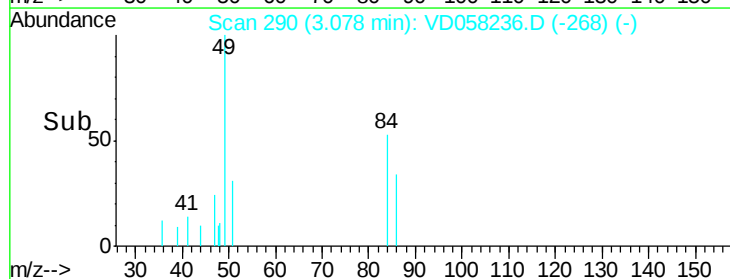
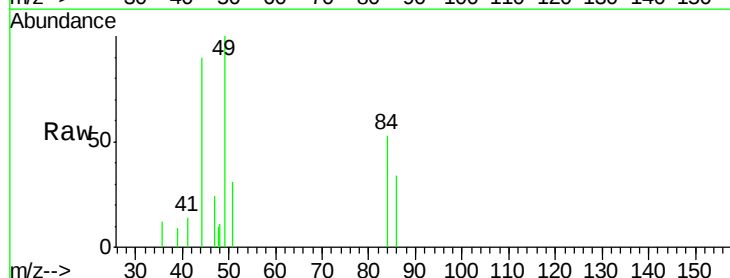
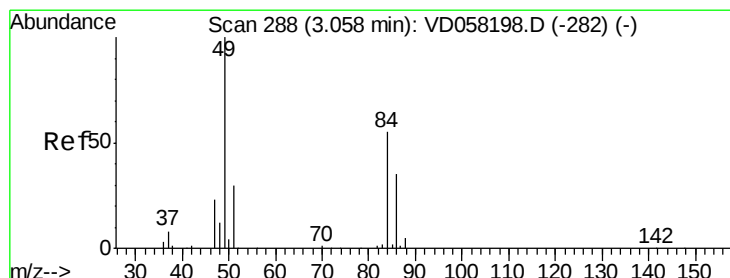
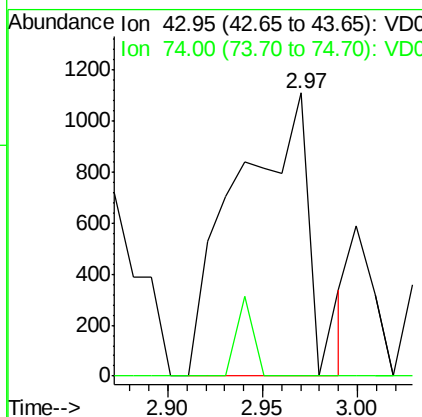




#18
Methyl Acetate
Concen: 15.367 ug/l
RT: 2.97 min Scan# 279
Delta R.T. 0.04 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

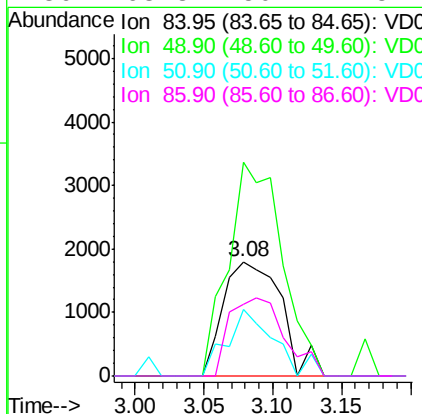
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-2

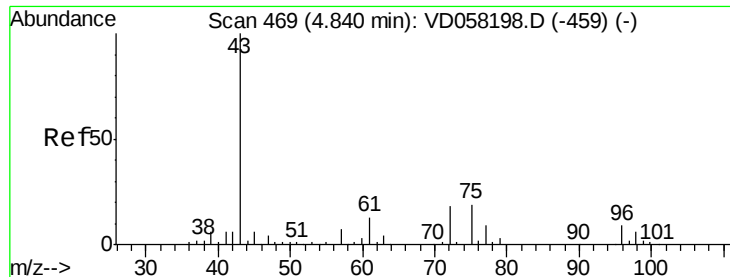
Tot Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 18.830 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

Tgt Ion: 84 Resp: 5260
Ion Ratio Lower Upper
84 100
49 187.1 145.0 217.6
51 58.2 42.9 64.3
86 63.3 50.1 75.1





#25

2-Butanone

Concen: 148.258 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

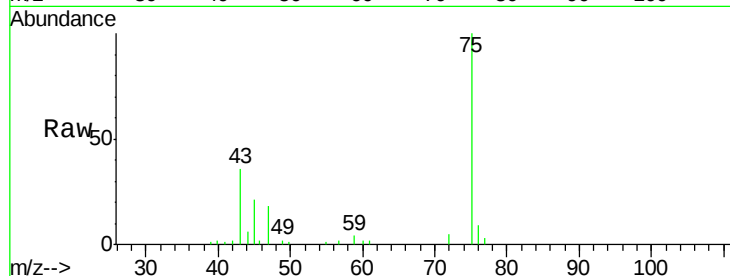
26KV-TP-2

Tot Ion: 43 Resp: 29865

Ion Ratio Lower Upper

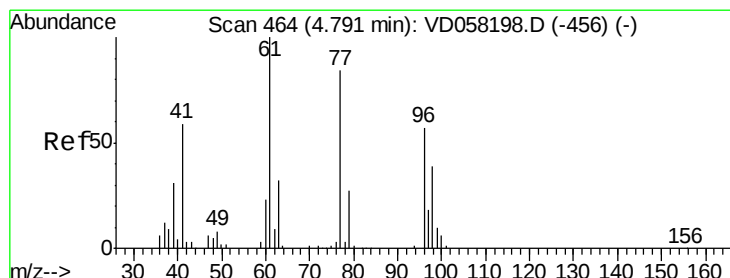
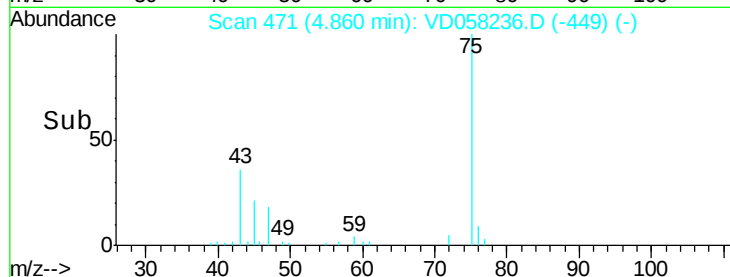
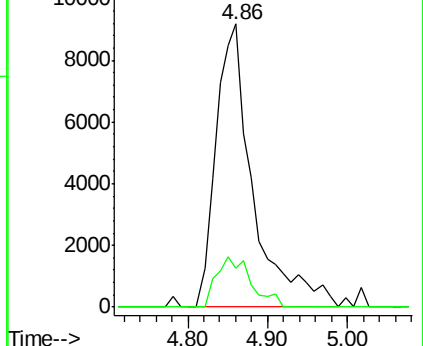
43 100

72 14.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 2.912 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.06 min

Lab File: VD058236.D

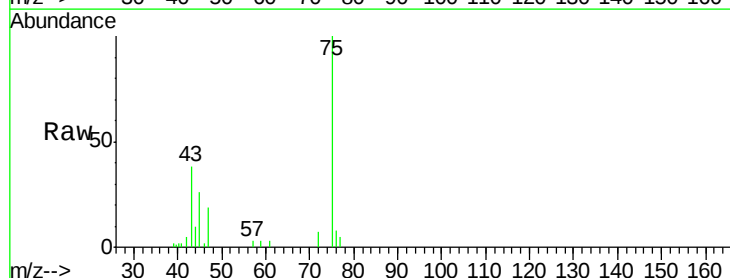
Acq: 21 Jun 2018 5:31

Tgt Ion: 77 Resp: 2791

Ion Ratio Lower Upper

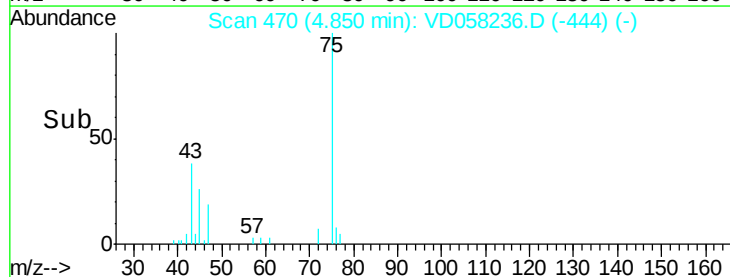
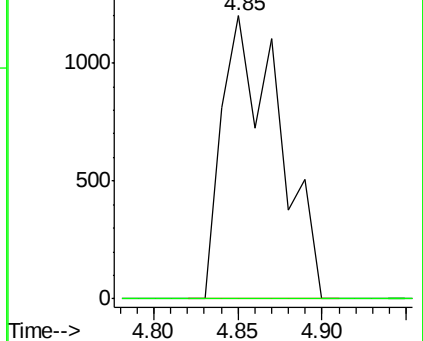
77 100

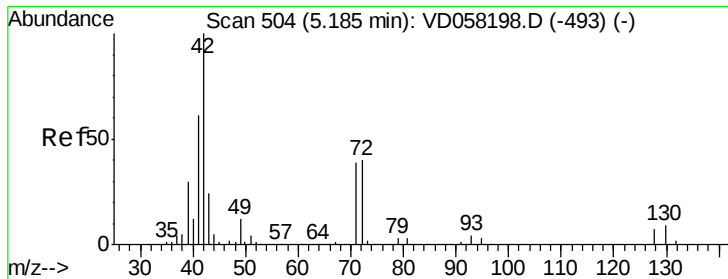
97 0.0 10.5 31.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

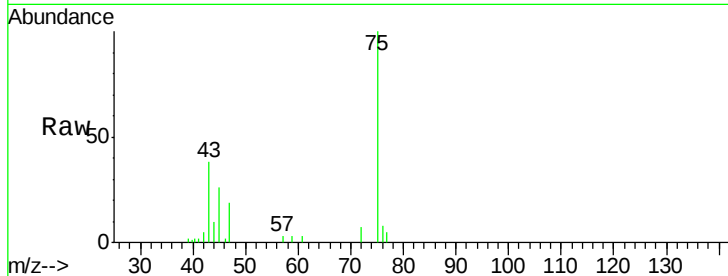




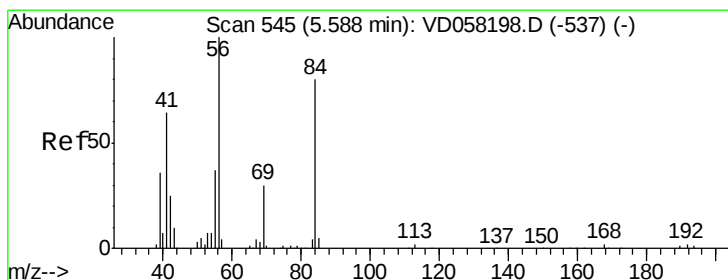
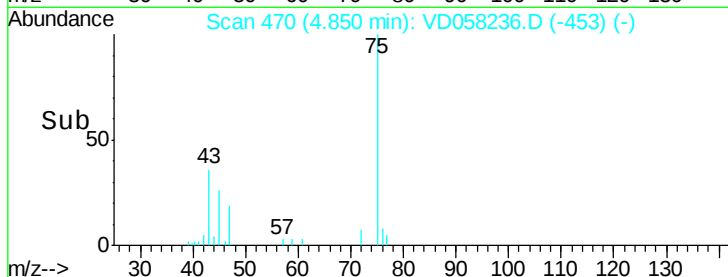
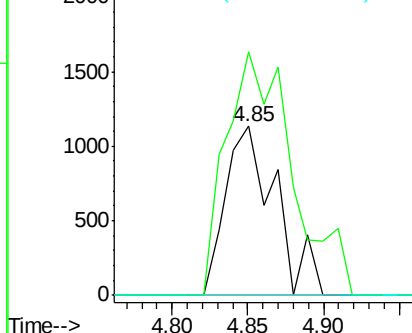
#29
Tetrahydrofuran
Concen: 24.230 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.33 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-2

Tot Ion: 42 Resp: 2598
Ion Ratio Lower Upper
42 100
72 192.6 30.2 45.2#
71 0.0 30.1 45.1#

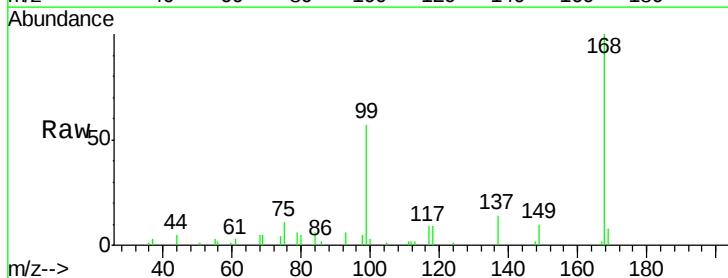


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

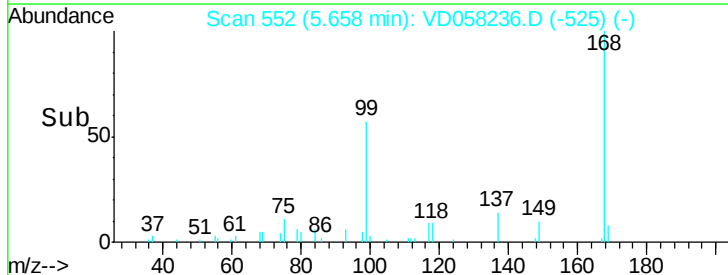
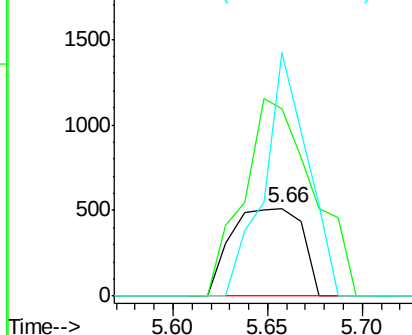


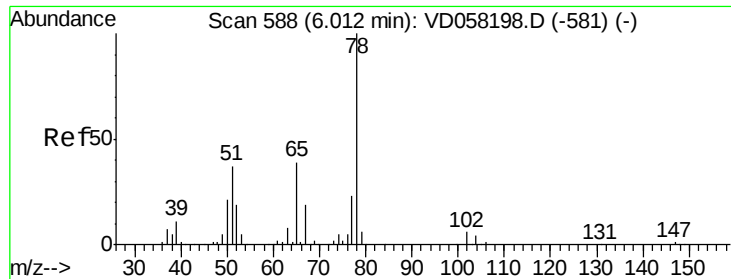
#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

Tgt Ion: 56 Resp: 1331
Ion Ratio Lower Upper
56 100
69 213.7 23.6 35.4#
84 278.3 65.2 97.8#



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: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

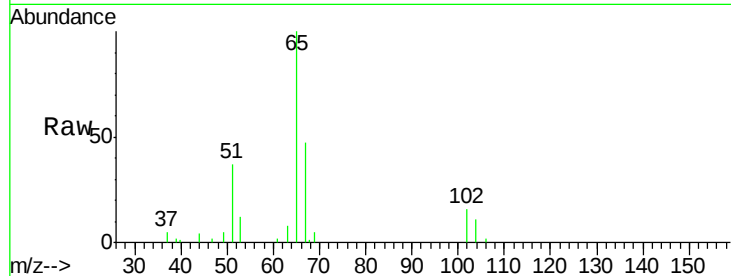
26KV-TP-2

Tot Ion: 65 Resp: 78400

Ion Ratio Lower Upper

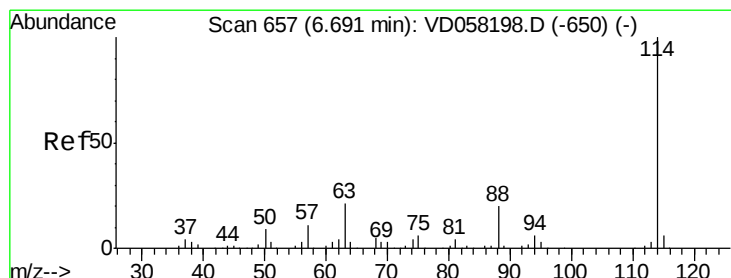
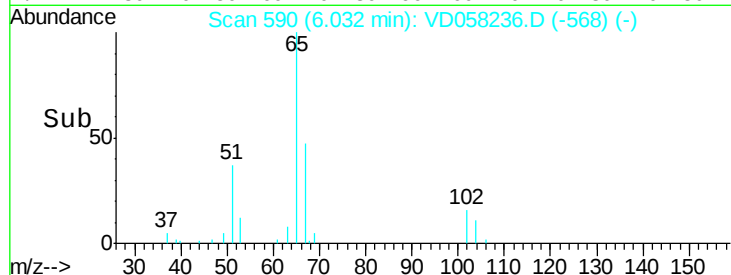
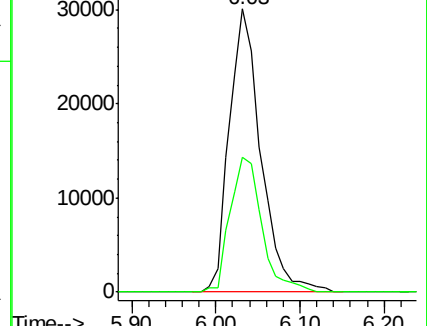
65 100

67 47.5 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

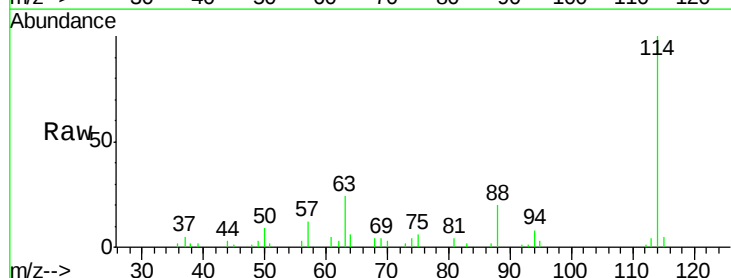
Tgt Ion: 114 Resp: 95030

Ion Ratio Lower Upper

114 100

63 23.7 0.0 42.6

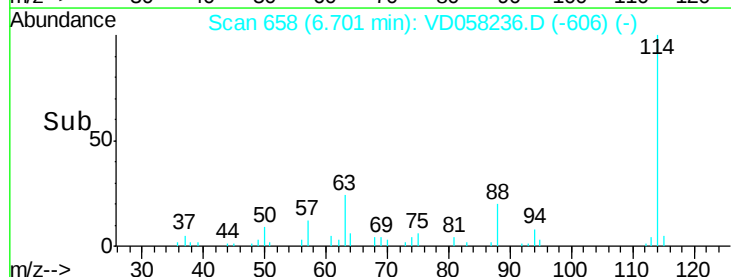
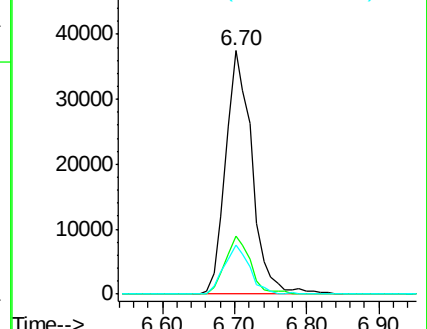
88 19.9 0.0 40.6

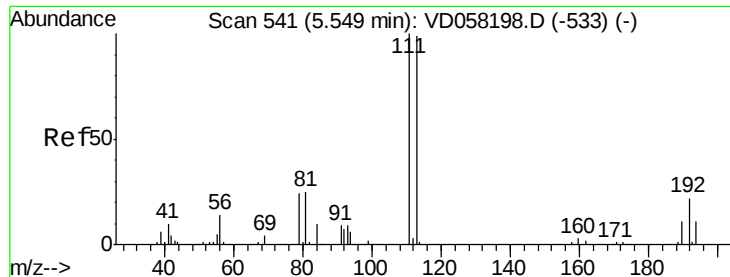


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-2

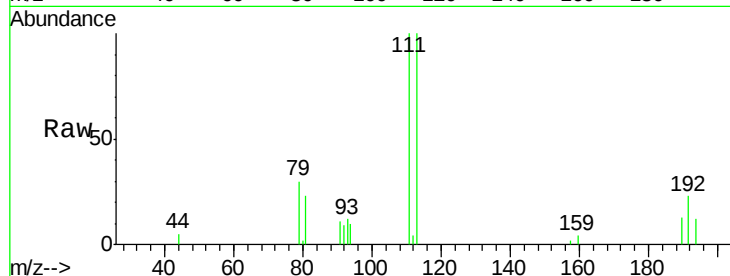
Tot Ion:113 Resp: 55320

Ion Ratio Lower Upper

113 100

111 99.6 80.6 121.0

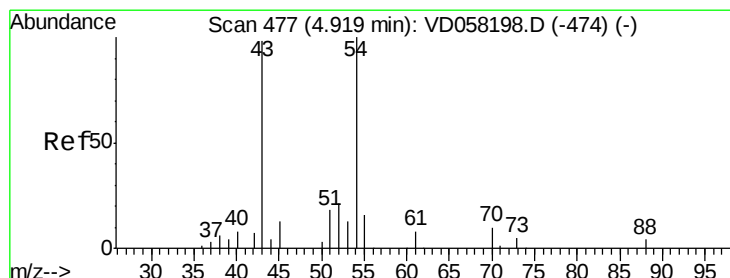
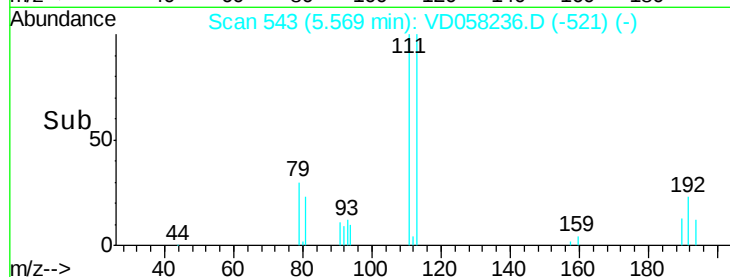
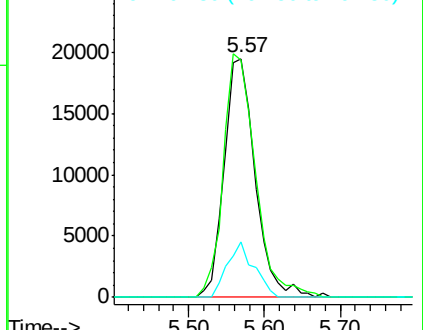
192 23.5 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#37

Ethyl Acetate

Concen: 55.757 ug/l

RT: 4.86 min Scan# 471

Delta R.T. -0.06 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

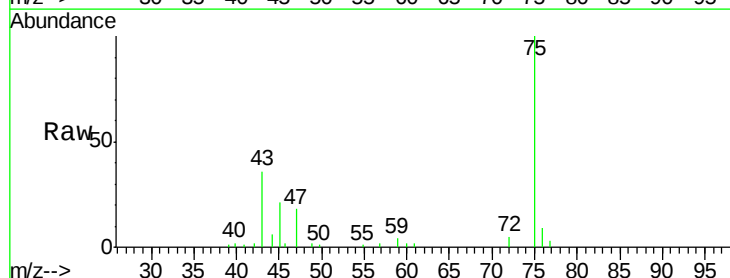
Tgt Ion: 43 Resp: 29865

Ion Ratio Lower Upper

43 100

61 6.8 10.3 15.5#

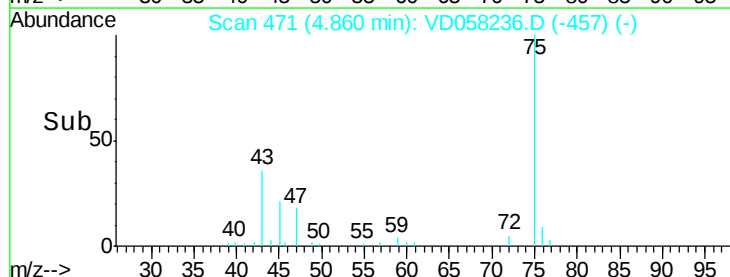
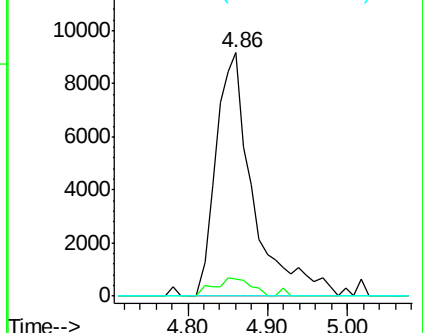
70 0.0 5.7 8.5#

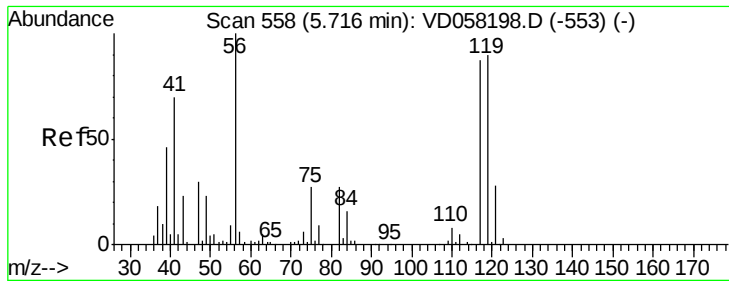


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 5.67 min Scan# 553

Delta R.T. -0.05 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-2

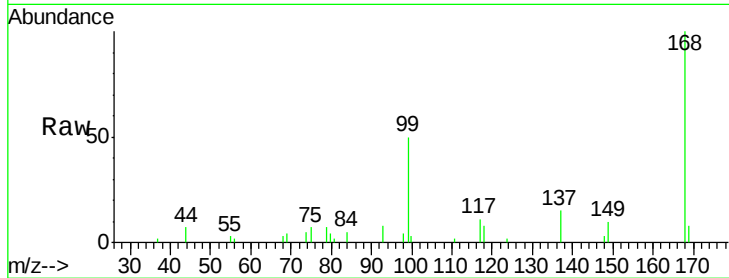
Tot Ion:117 Resp: 5345

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

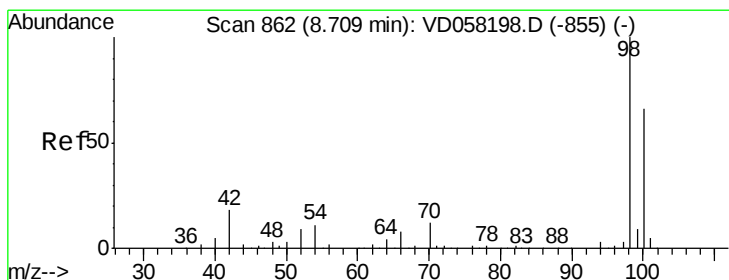
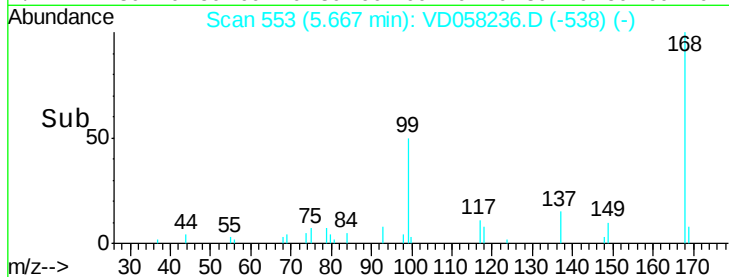
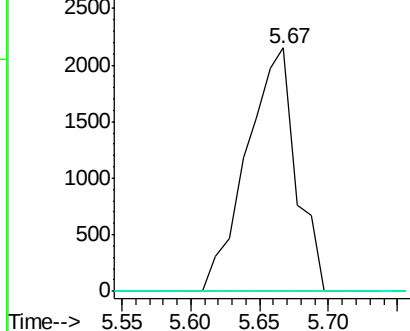
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058236.D

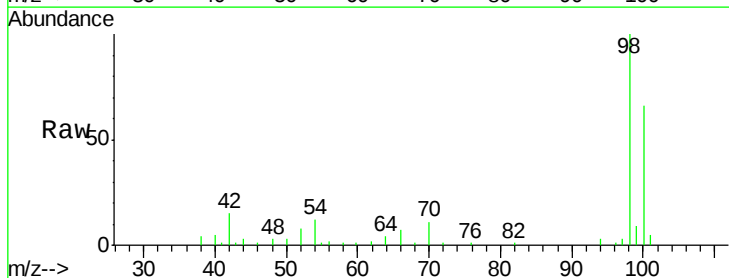
Acq: 21 Jun 2018 5:31

Tgt Ion: 98 Resp: 104148

Ion Ratio Lower Upper

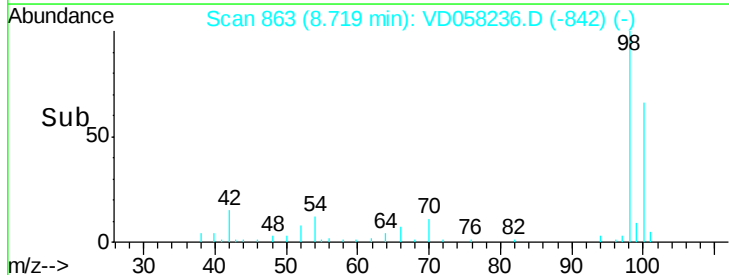
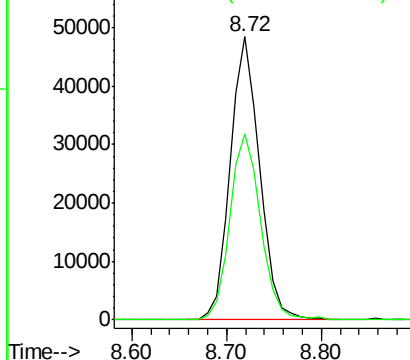
98 100

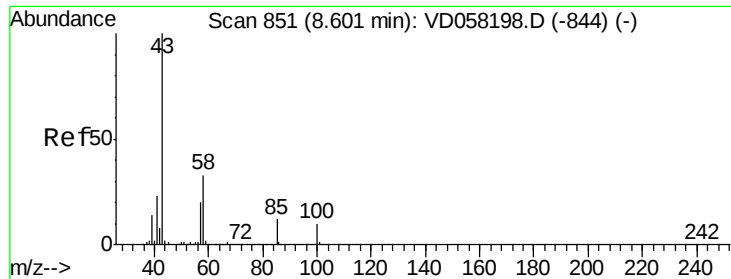
100 65.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 4.227 ug/l

RT: 8.62 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

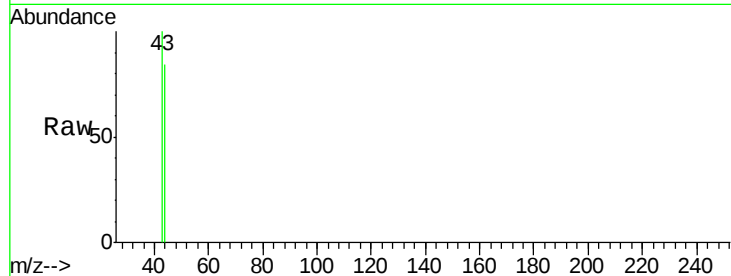
26KV-TP-2

Tot Ion: 43 Resp: 1969

Ion Ratio Lower Upper

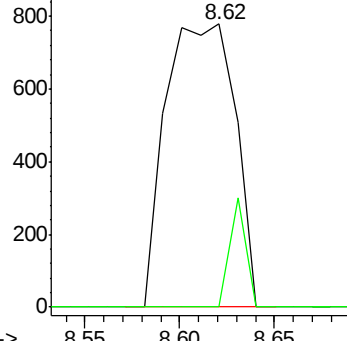
43 100

58 0.0 26.7 40.1#

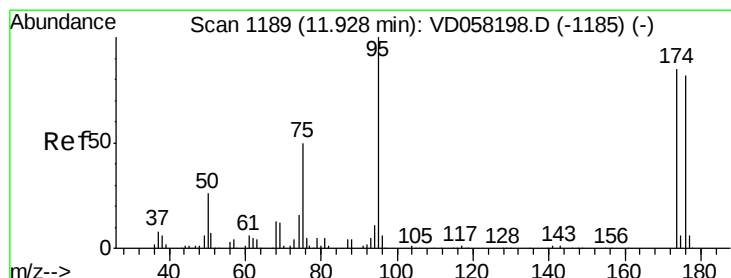
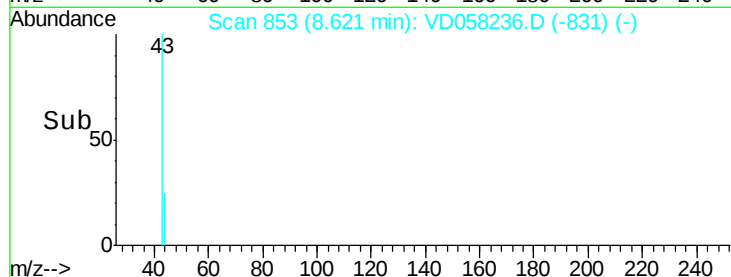


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

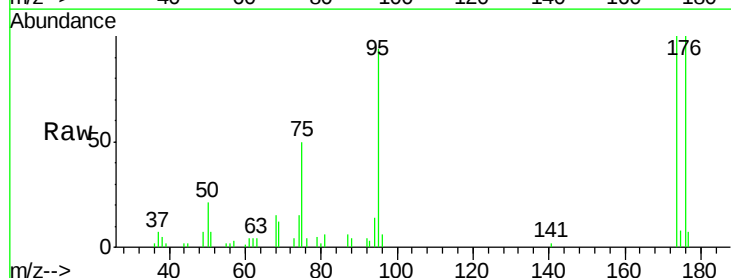
Tgt Ion: 95 Resp: 41560

Ion Ratio Lower Upper

95 100

174 105.9 0.0 170.2

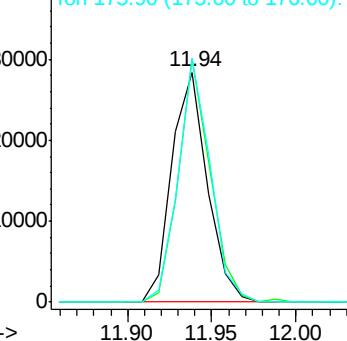
176 105.9 0.0 164.6



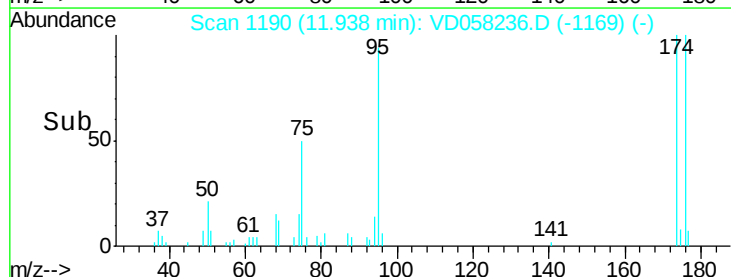
Abundance Ion 95.00 (94.70 to 95.70): VDC

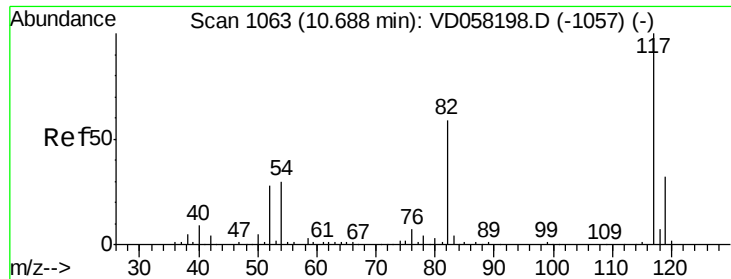
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

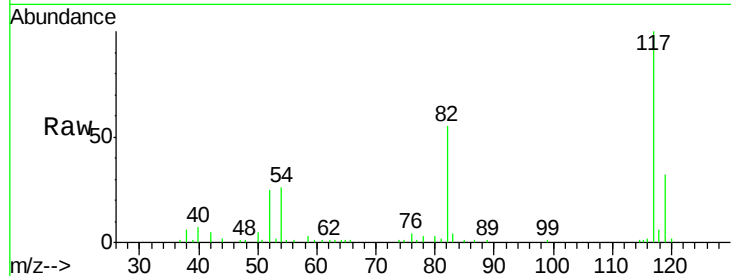




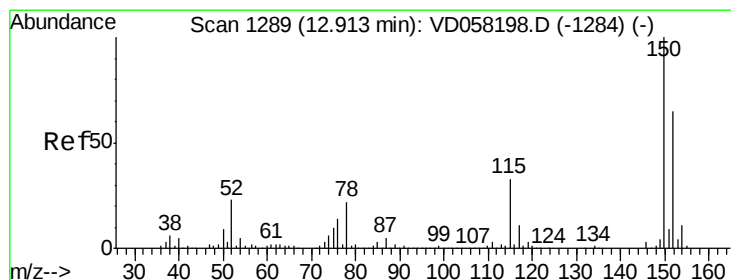
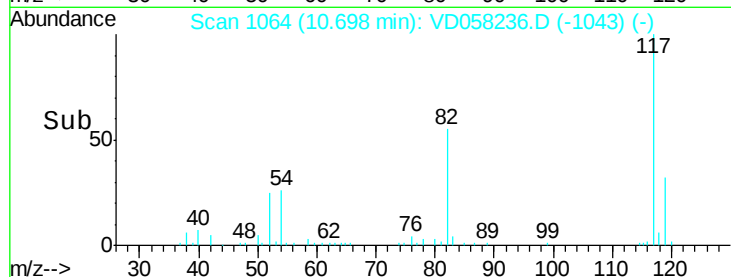
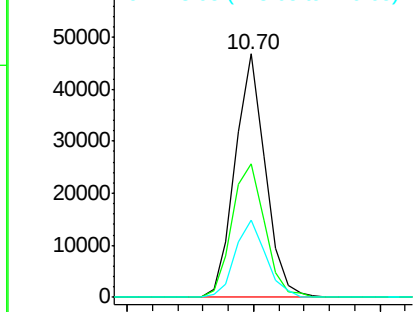
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-2

Tot Ion:117 Resp: 77229
Ion Ratio Lower Upper
117 100
82 55.0 47.0 70.6
119 31.7 25.3 37.9

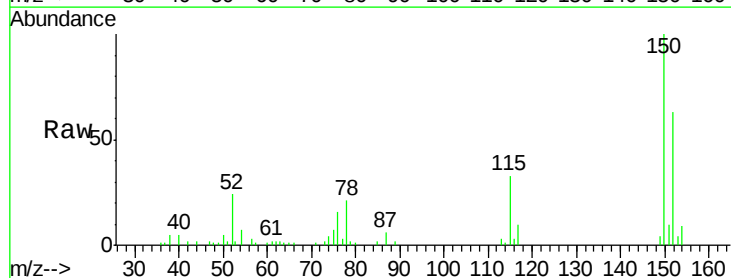


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

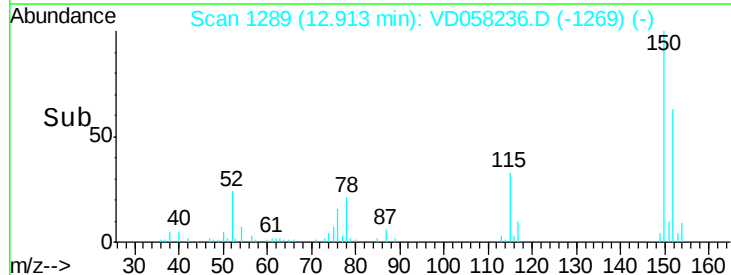
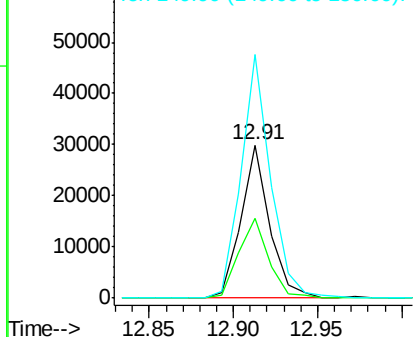


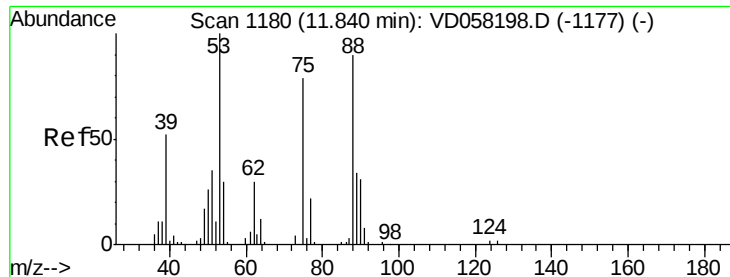
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058236.D
Acq: 21 Jun 2018 5:31

Tgt Ion:152 Resp: 35201
Ion Ratio Lower Upper
152 100
115 52.6 25.1 75.3
150 159.3 0.0 308.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 167.088 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058236.D

Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-2

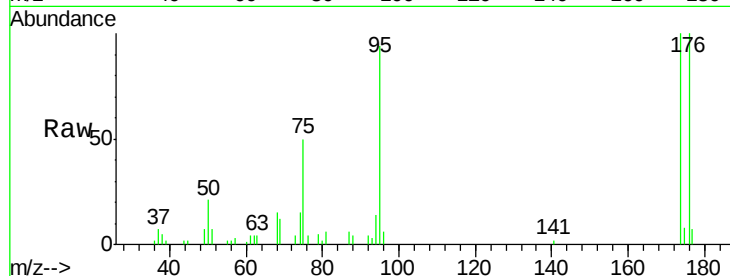
Tot Ion: 75 Resp: 20944

Ion Ratio Lower Upper

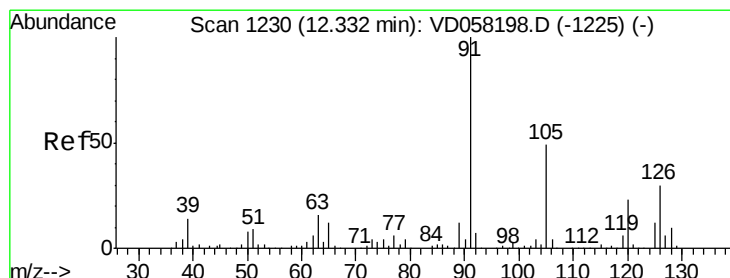
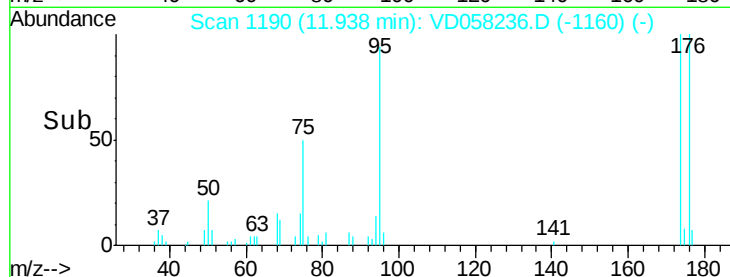
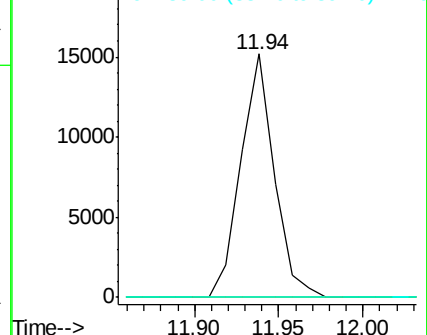
75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#



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: Below Cal

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058236.D

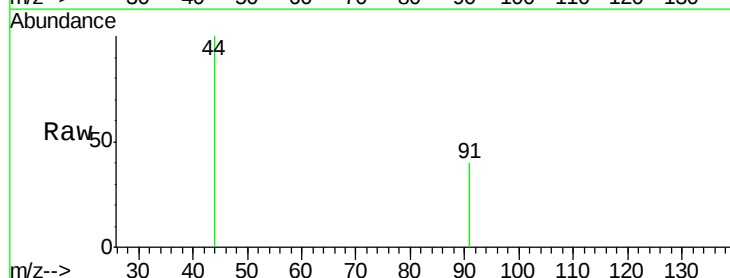
Acq: 21 Jun 2018 5:31

Tgt Ion: 91 Resp: 208

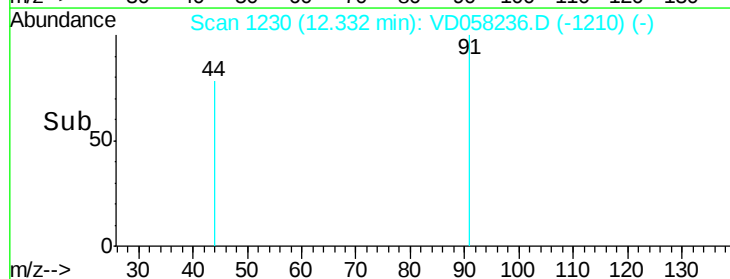
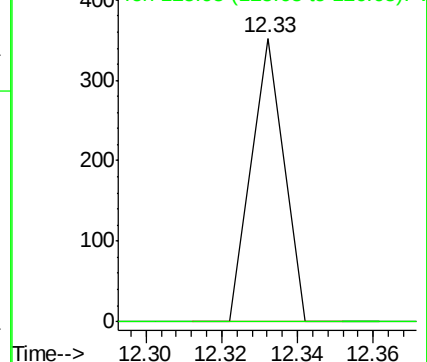
Ion Ratio Lower Upper

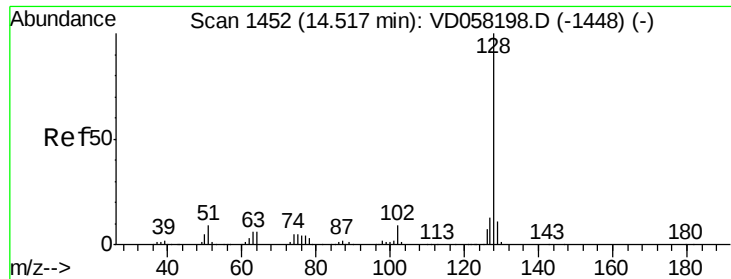
91 100

126 0.0 14.9 44.9#



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





#95

Naphthalene

Concen: 1.162 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058236.D

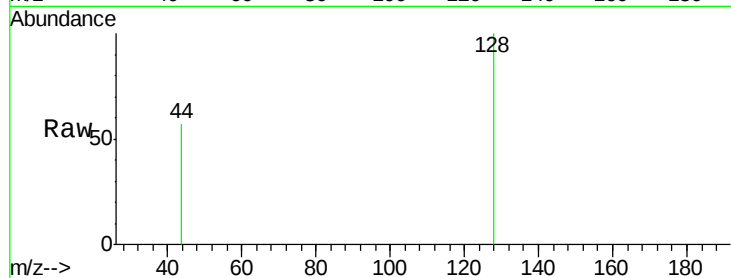
Acq: 21 Jun 2018 5:31

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-2



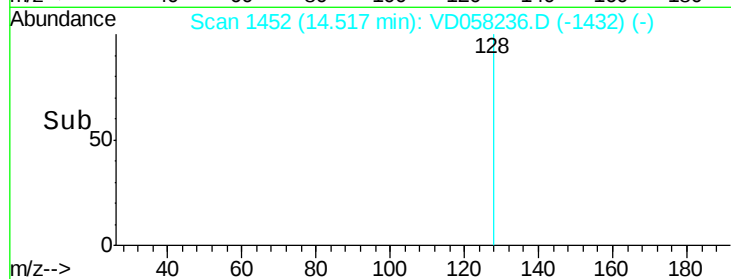
Tot Ion:128 Resp: 1365

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

