

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058240.D
 Acq On : 21 Jun 2018 7:24
 Operator : VA/AP
 Sample : J3603-11
 Misc : 4.83g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSM

Quant Time: Jun 21 08:35:22 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	550054	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	905897	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	714733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	348508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	355074	63.91	ug/l	0.03
Spiked Amount			Recovery	=	127.82%	
35) Dibromofluoromethane	5.56	113	366296	49.68	ug/l	0.02
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	8.72	98	760278	42.62	ug/l	0.02
Spiked Amount			Recovery	=	85.24%	
62) 4-Bromofluorobenzene	11.93	95	321544	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	

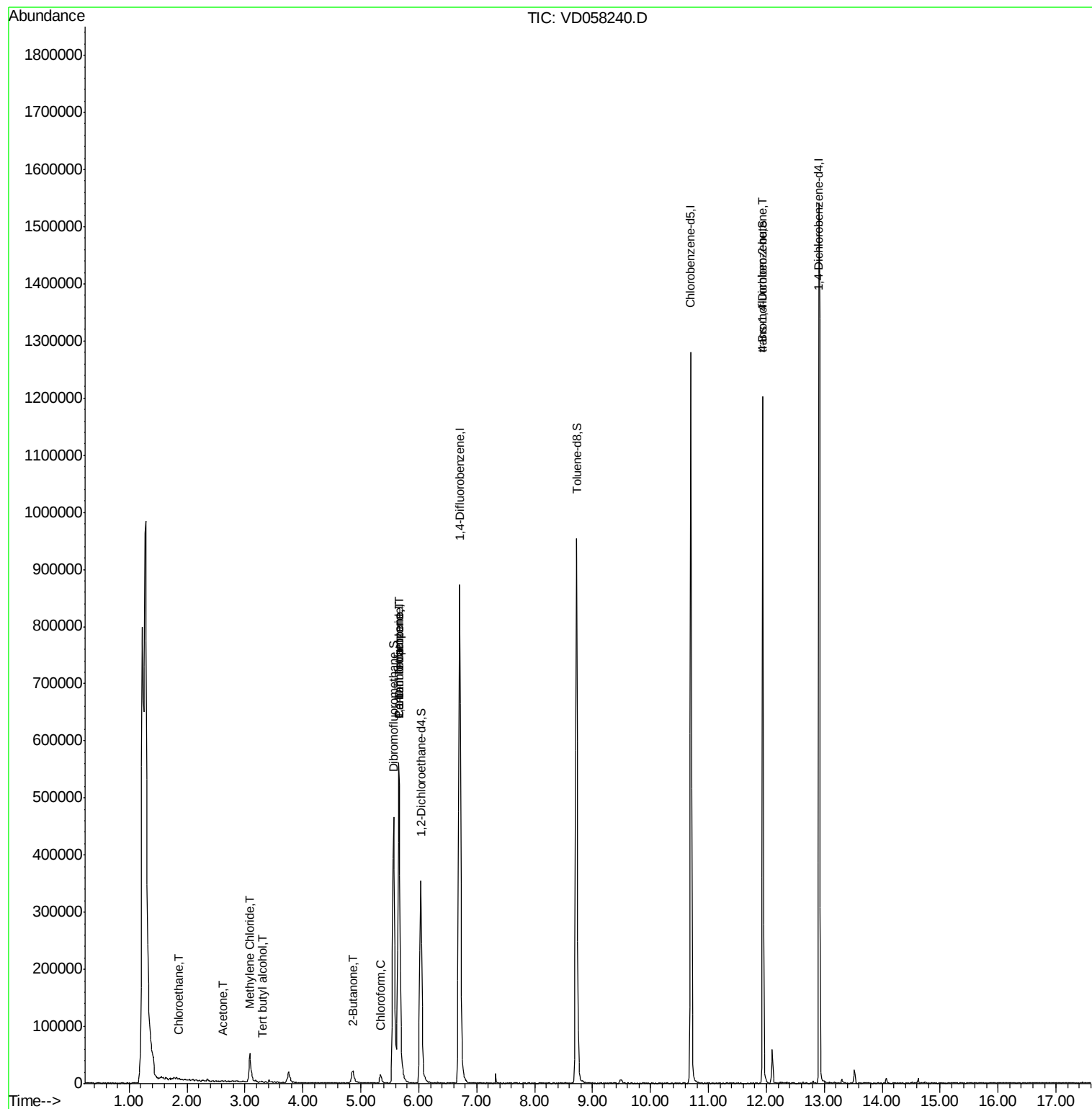
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.53	50	193	Below Cal	#	43
5) Bromomethane	1.83	94	225	Below Cal	#	3
6) Chloroethane	1.84	64	188	1.557	ug/l #	41
11) Tert butyl alcohol	3.31	59	194	1.059	ug/l #	78
16) Acetone	2.62	43	3000	3.948	ug/l #	62
20) Methylene Chloride	3.08	84	23532	7.846	ug/l	91
25) 2-Butanone	4.86	43	2050	1.238	ug/l #	60
30) Chloroform	5.34	83	13901	1.399	ug/l	94
31) Cyclohexane	5.64	56	13921	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	44995	5.021	ug/l #	50
38) Carbon Tetrachloride	5.65	117	43312	4.864	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	160511	129.340	ug/l #	1
82) 4-Chlorotoluene	12.16	91	494	Below Cal	#	45

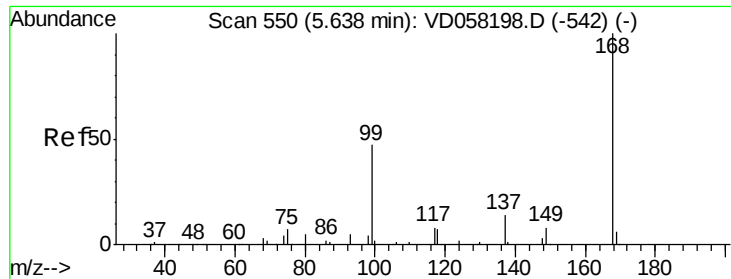
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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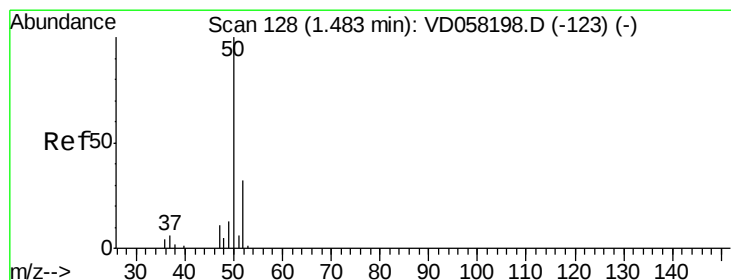
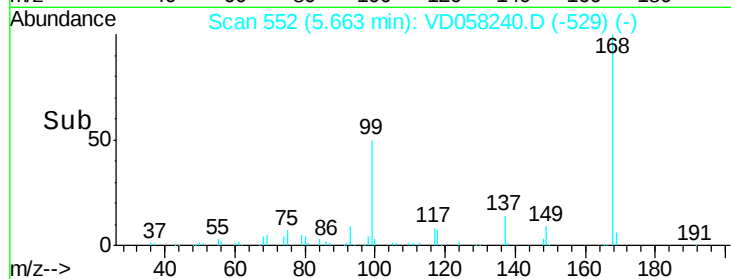
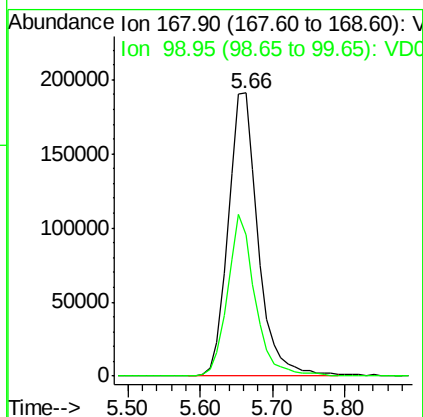
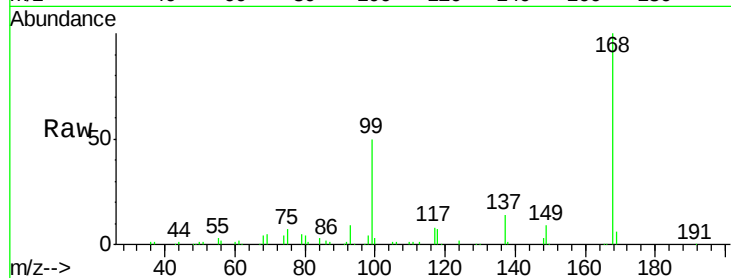




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 552
Delta R.T. 0.03 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

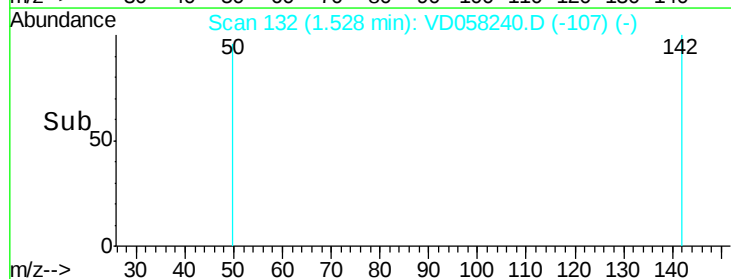
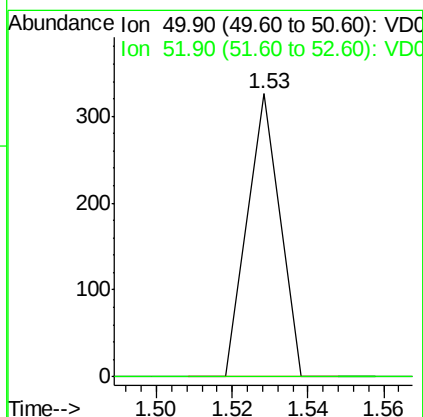
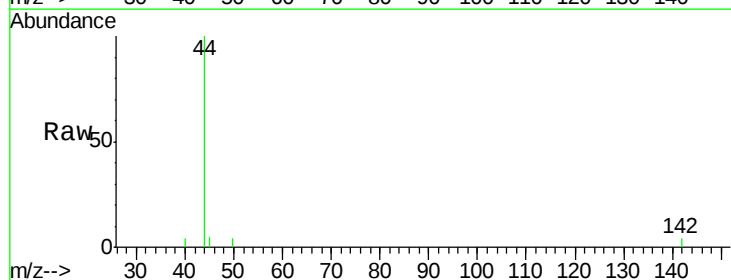
Instrument :
MSVOA_D
ClientSampleId :
26KV-CSM

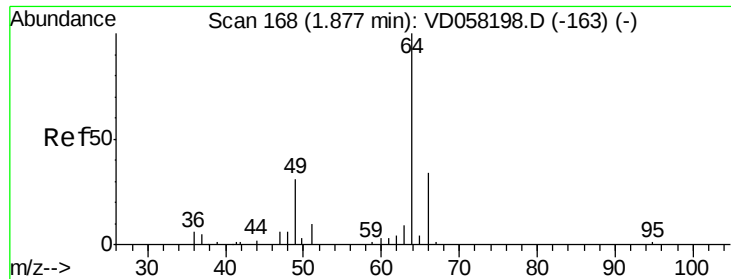
Tot Ion:168 Resp: 550054
Ion Ratio Lower Upper
168 100
99 49.7 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 1.53 min Scan# 132
Delta R.T. 0.05 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#6

Chloroethane

Concen: 1.557 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

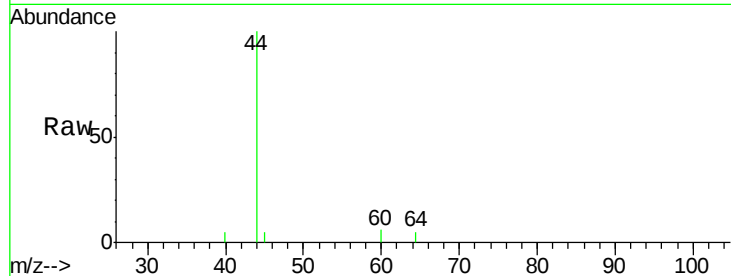
26KV-CSM

Tot Ion: 64 Resp: 188

Ion Ratio Lower Upper

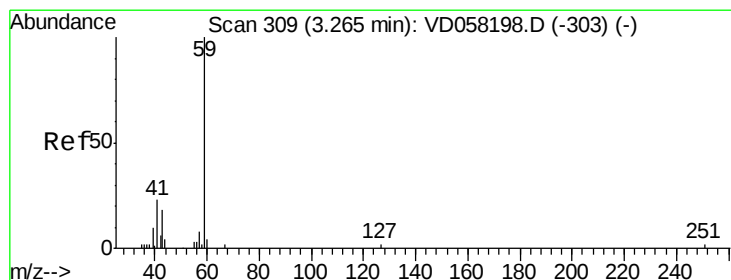
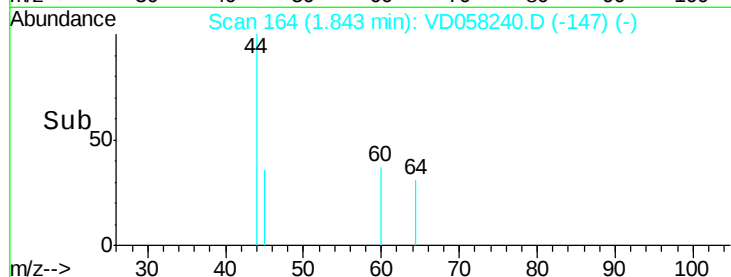
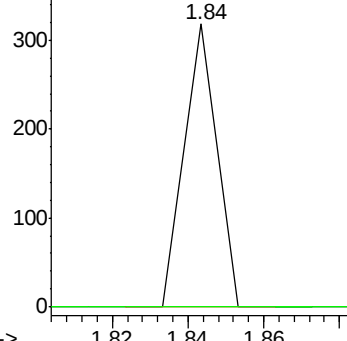
64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 1.059 ug/l

RT: 3.31 min Scan# 313

Delta R.T. 0.04 min

Lab File: VD058240.D

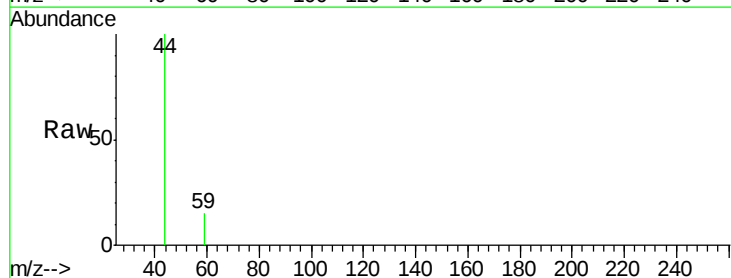
Acq: 21 Jun 2018 7:24

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

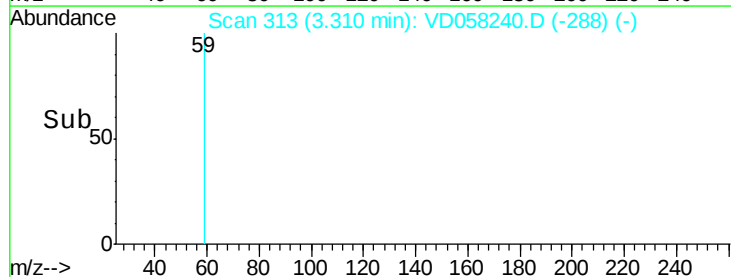
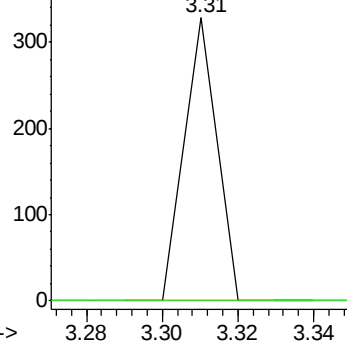
59 100

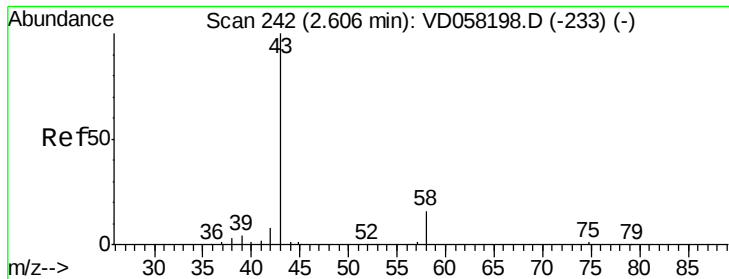
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.948 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

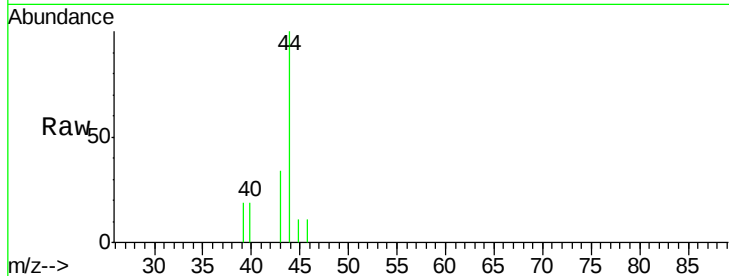
26KV-CSM

Tot Ion: 43 Resp: 3000

Ion Ratio Lower Upper

43 100

58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.62

1000

800

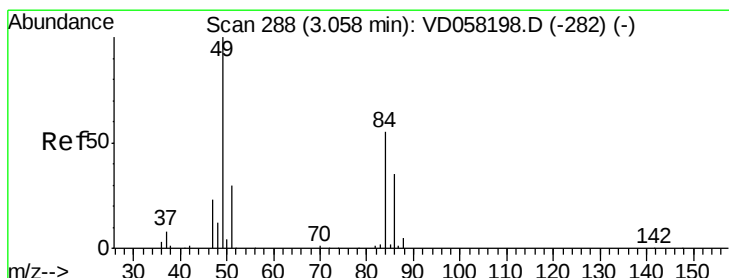
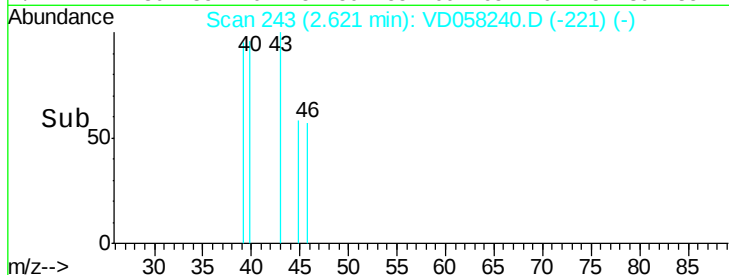
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 7.846 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.03 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Tgt Ion: 84 Resp: 23532

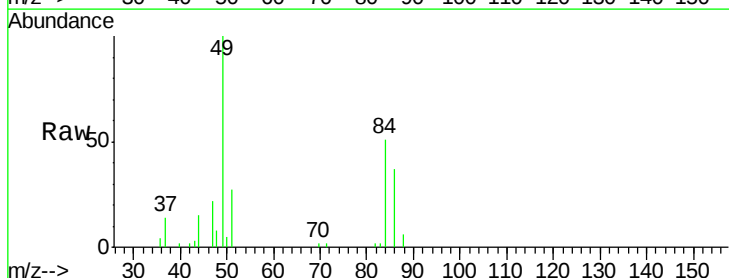
Ion Ratio Lower Upper

84 100

49 195.8 145.0 217.6

51 53.7 42.9 64.3

86 71.6 50.1 75.1



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

25000

20000

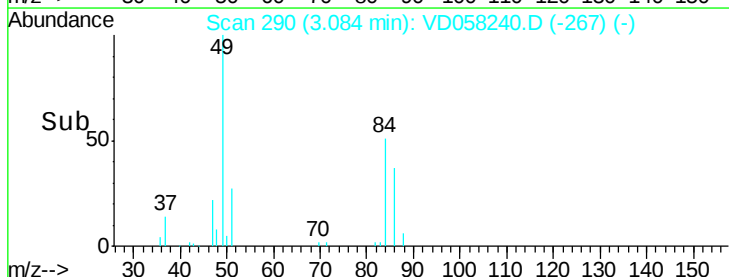
15000

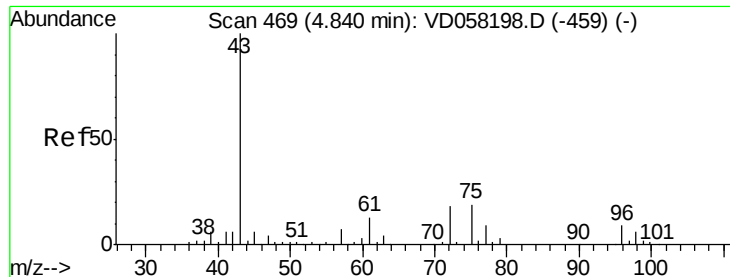
10000

5000

0

Time-->

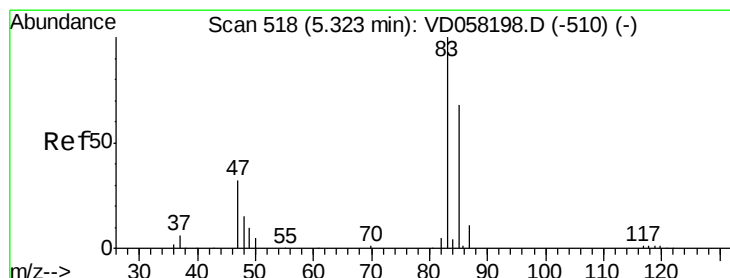
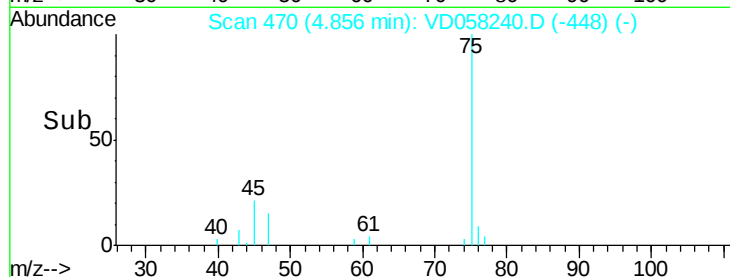
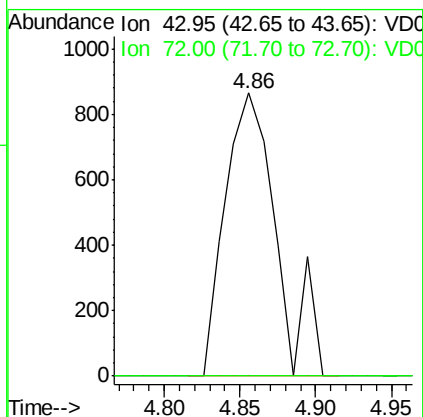
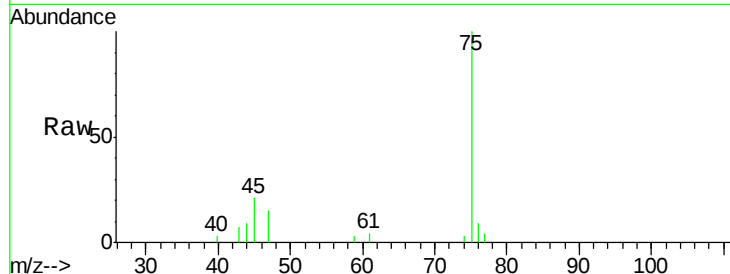




#25
2-Butanone
Concen: 1.238 ug/l
RT: 4.86 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

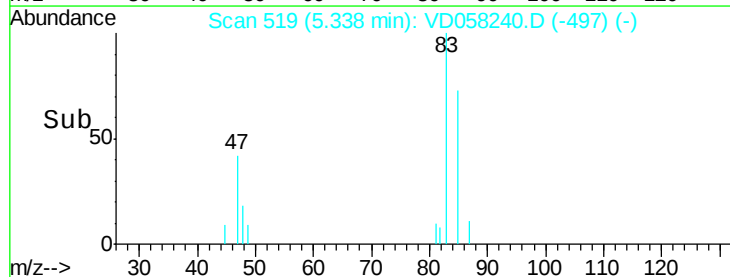
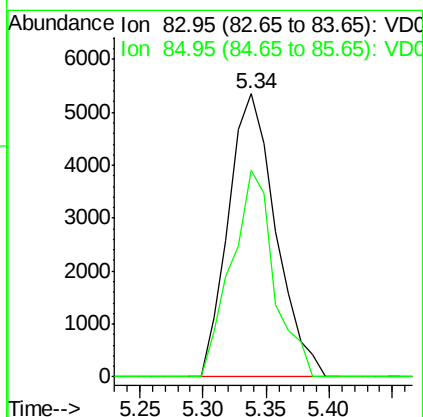
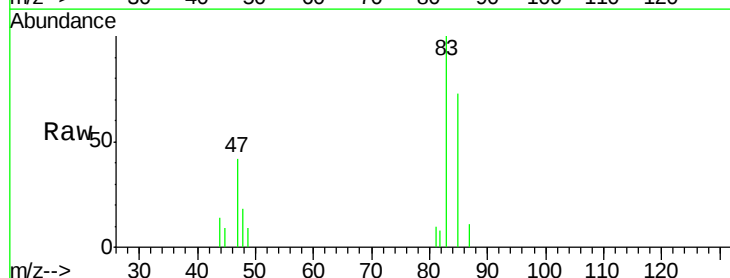
Instrument :
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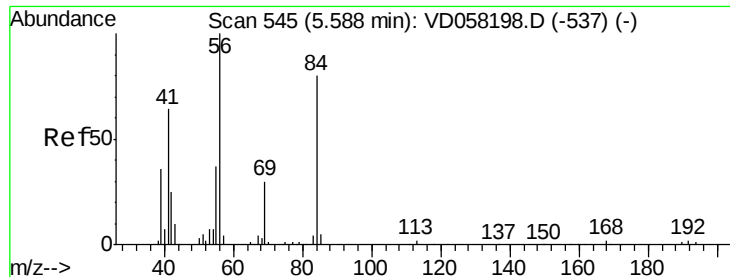
Tot Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#



#30
Chloroform
Concen: 1.399 ug/l
RT: 5.34 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

Tgt Ion: 83 Resp: 13901
Ion Ratio Lower Upper
83 100
85 73.1 54.8 82.2

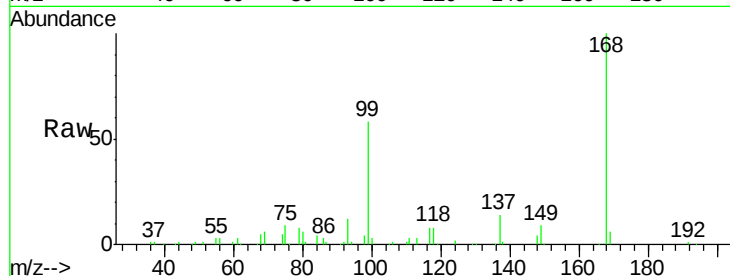




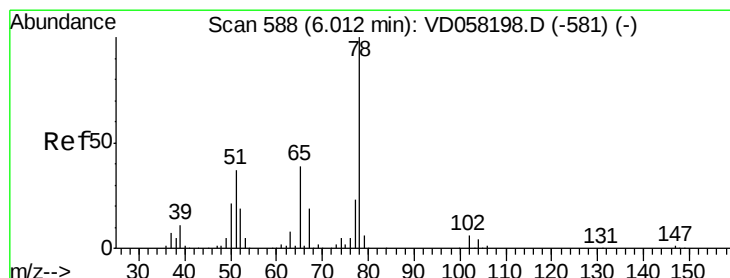
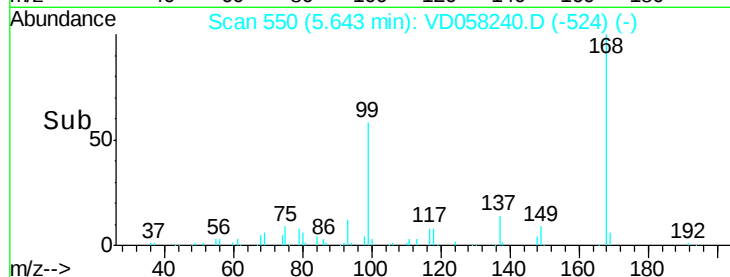
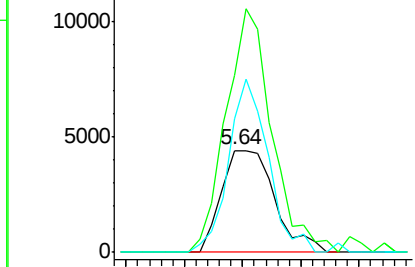
#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.06 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

Instrument :
MSVOA_D
ClientSampleId :
26KV-CSM

Tot Ion: 56 Resp: 13921
Ion Ratio Lower Upper
56 100
69 173.4 23.6 35.4#
84 130.3 65.2 97.8#

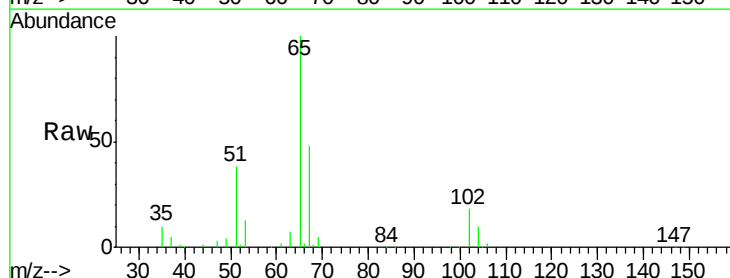


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

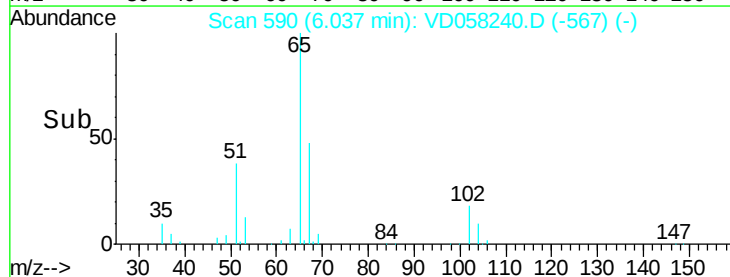
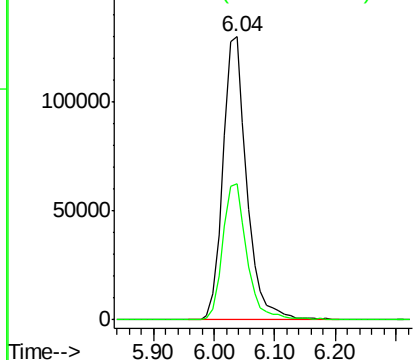


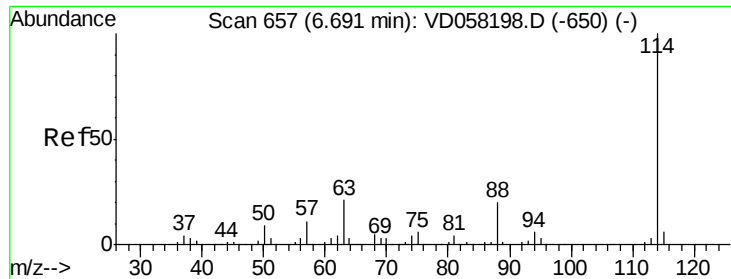
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.04 min Scan# 590
Delta R.T. 0.03 min
Lab File: VD058240.D
Acq: 21 Jun 2018 7:24

Tgt Ion: 65 Resp: 355074
Ion Ratio Lower Upper
65 100
67 48.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

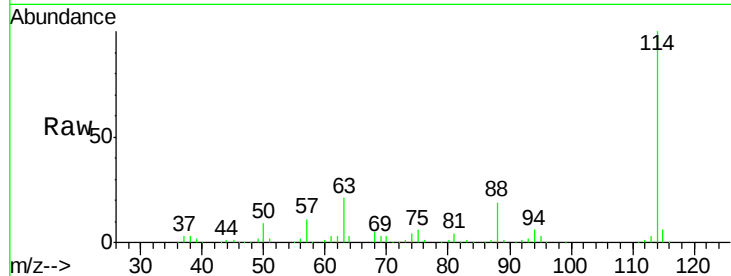




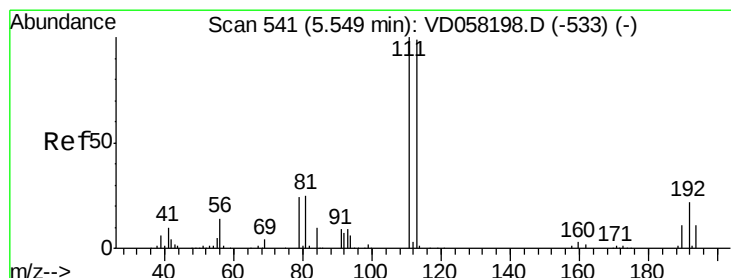
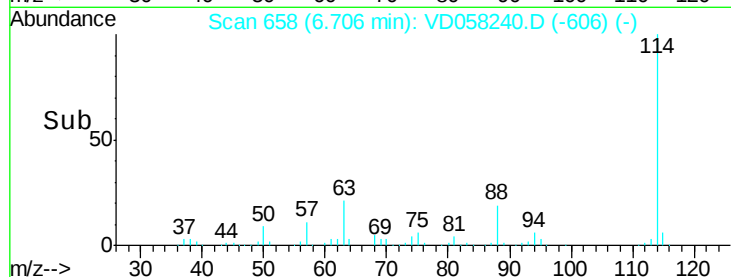
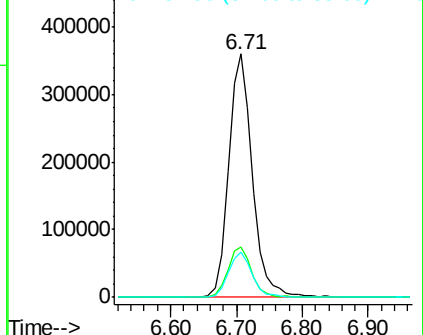
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD058240.D
 Acq: 21 Jun 2018 7:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.6
88	18.7	0.0	40.6

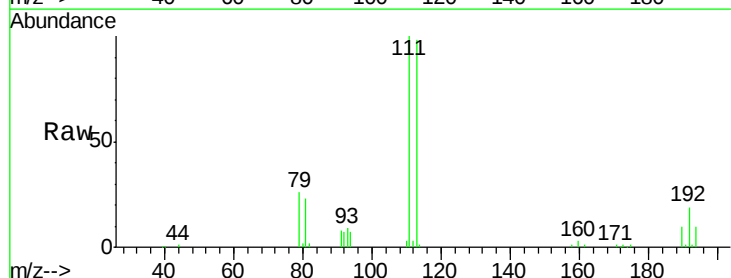


Abundance Ion 114.00 (113.70 to 114.70): V

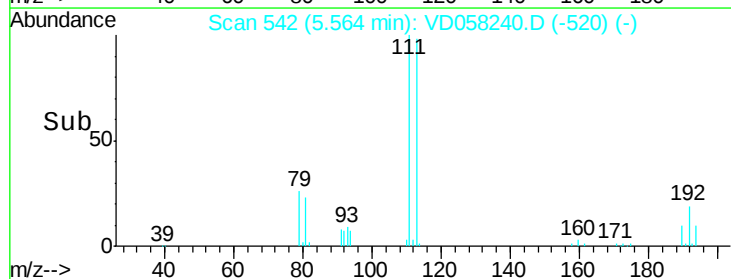
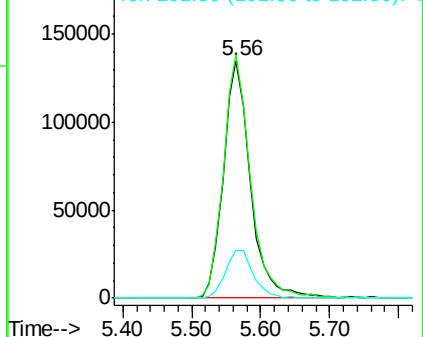


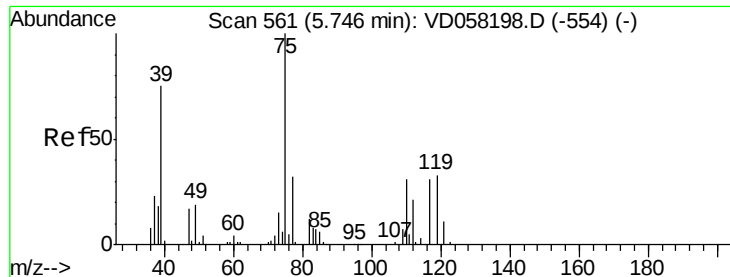
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.02 min
 Lab File: VD058240.D
 Acq: 21 Jun 2018 7:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	19.9	17.8	26.6



Abundance Ion 112.90 (112.60 to 113.60): V





#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

26kV-CSM

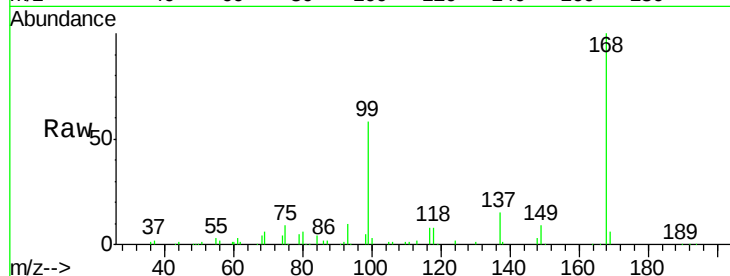
Tot Ion: 75 Resp: 44995

Ion Ratio Lower Upper

75 100

110 7.5 15.4 46.4#

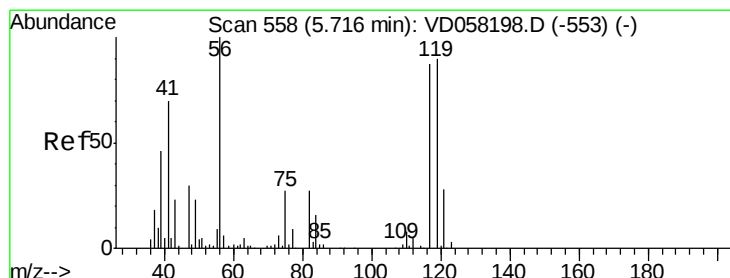
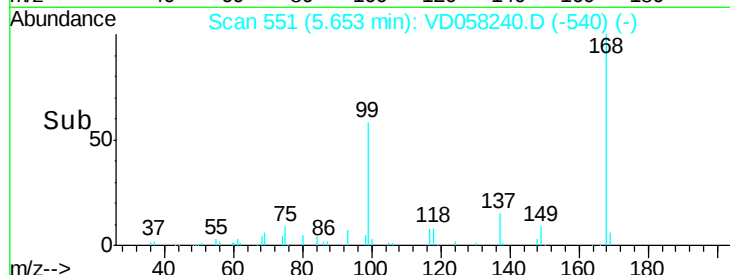
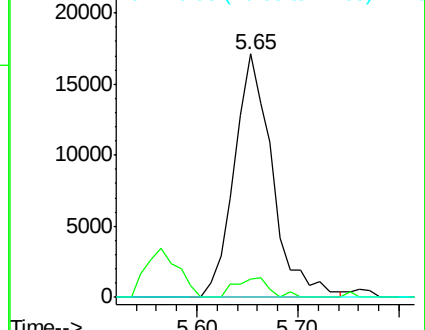
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.864 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

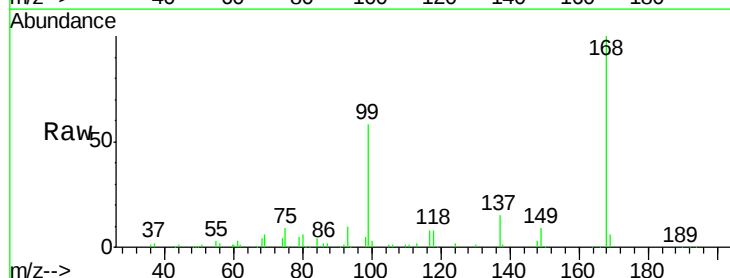
Tgt Ion: 117 Resp: 43312

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

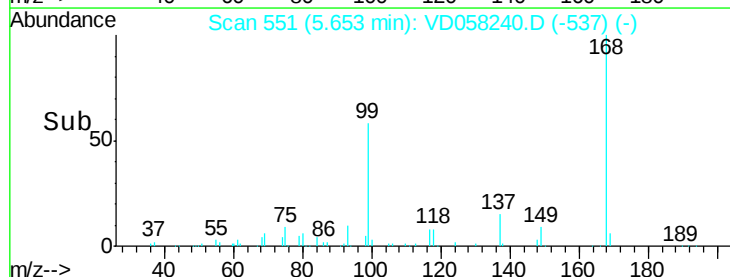
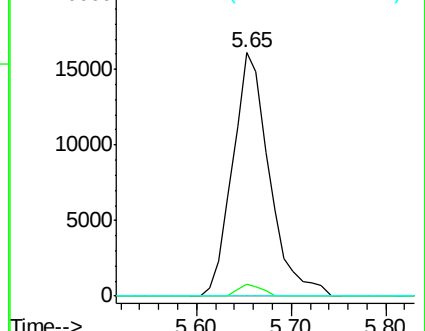
121 0.0 25.0 37.6#

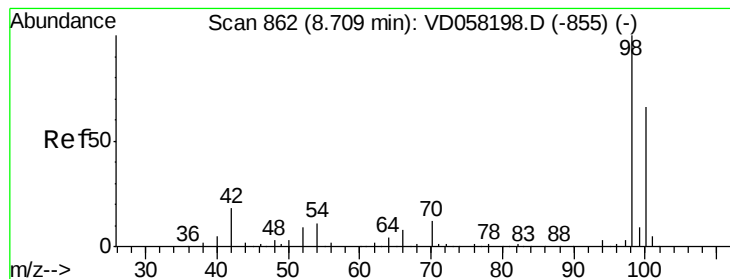


Abundance Ion 116.85 (116.55 to 117.55): V

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. 0.02 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

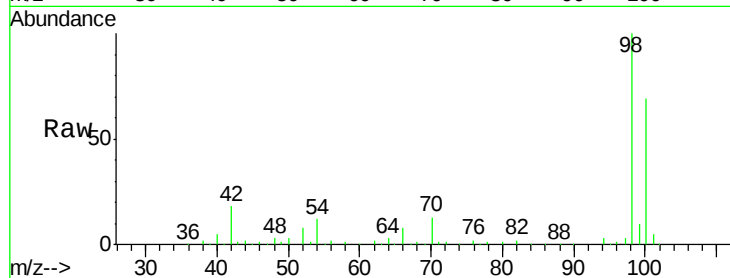
26KV-CSM

Tot Ion: 98 Resp: 760278

Ion Ratio Lower Upper

98 100

100 68.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.72

300000

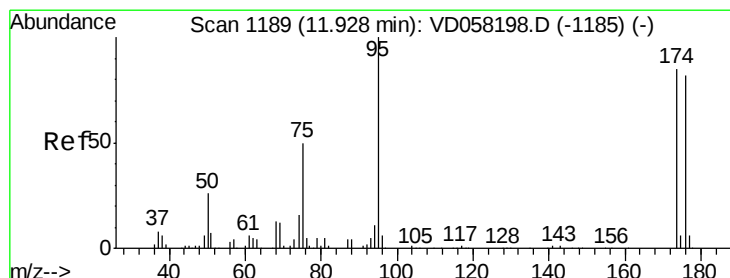
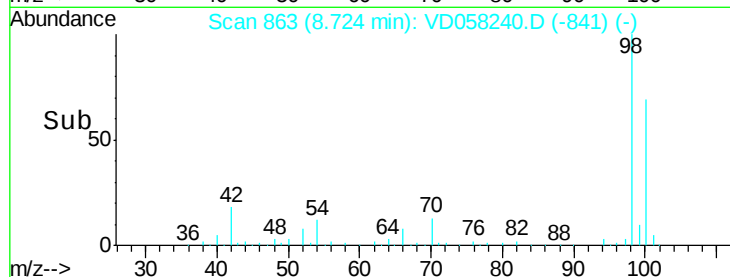
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

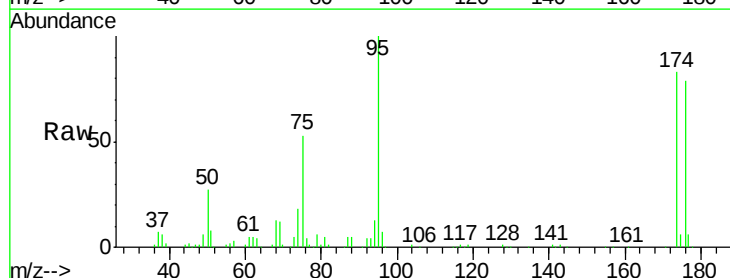
Tgt Ion: 95 Resp: 321544

Ion Ratio Lower Upper

95 100

174 82.5 0.0 170.2

176 78.7 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)

Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)

Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

11.93

300000

250000

200000

150000

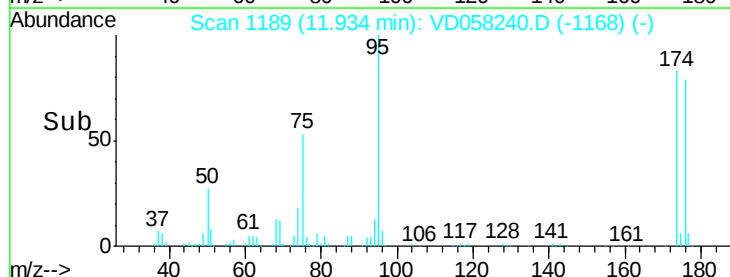
100000

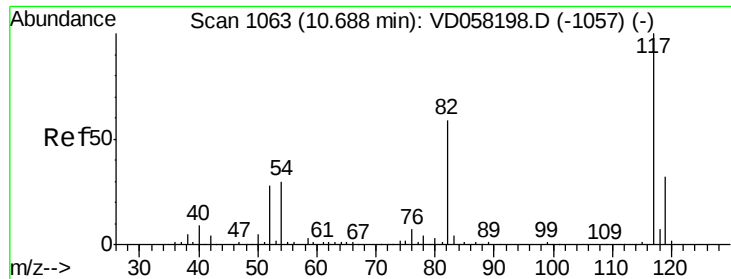
50000

0

11.90 12.00 12.10

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSM

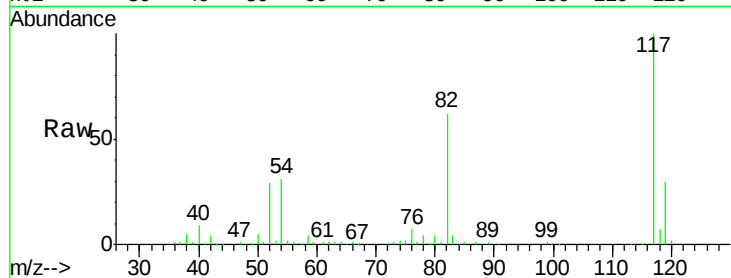
Tot Ion:117 Resp: 714733

Ion Ratio Lower Upper

117 100

82 62.3 47.0 70.6

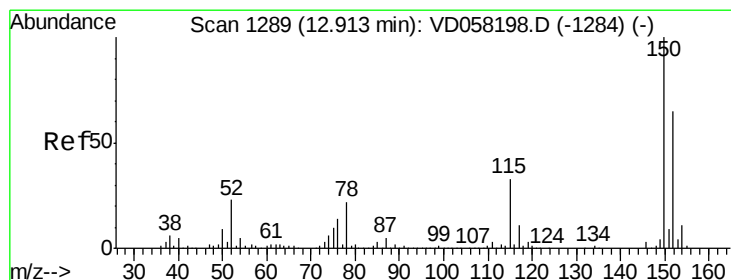
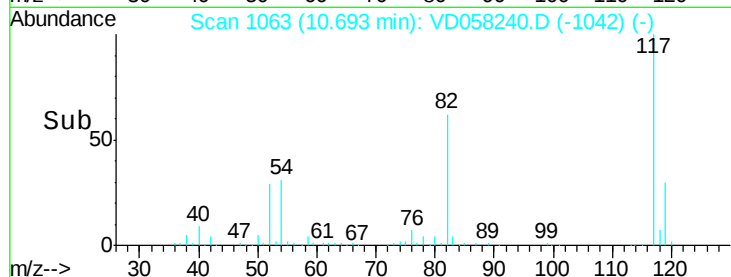
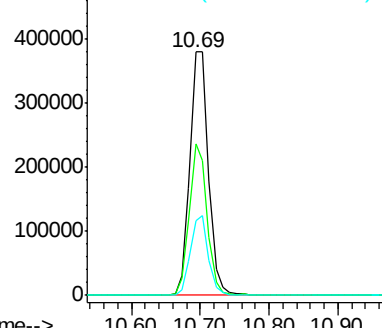
119 30.5 25.3 37.9



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: 12.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

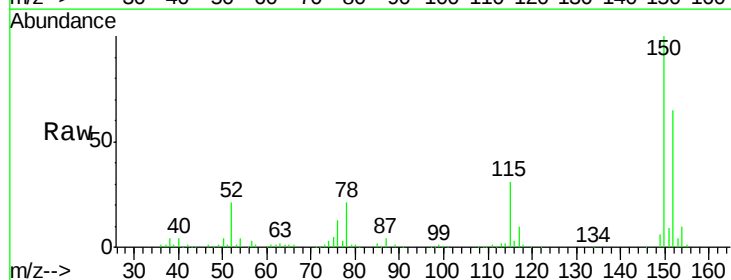
Tgt Ion:152 Resp: 348508

Ion Ratio Lower Upper

152 100

115 47.8 25.1 75.3

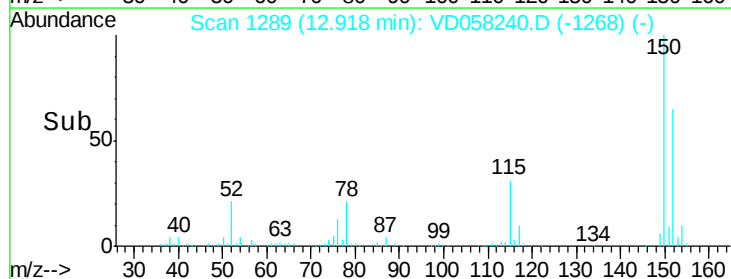
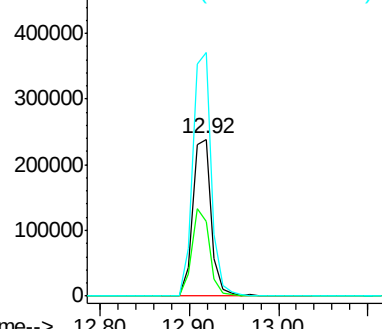
150 155.0 0.0 308.8

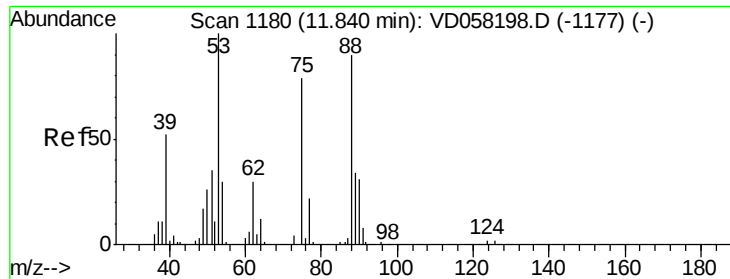


Abundance Ion 151.90 (151.60 to 152.60): V

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: 129.340 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSM

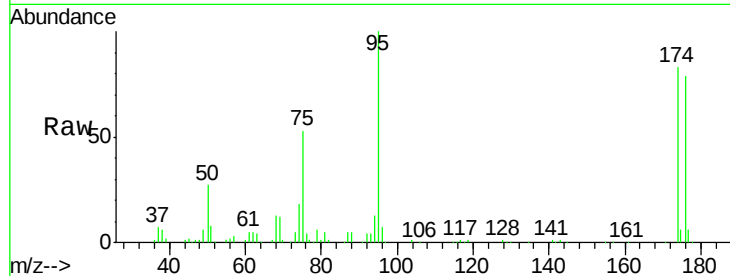
Tot Ion: 75 Resp: 160511

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

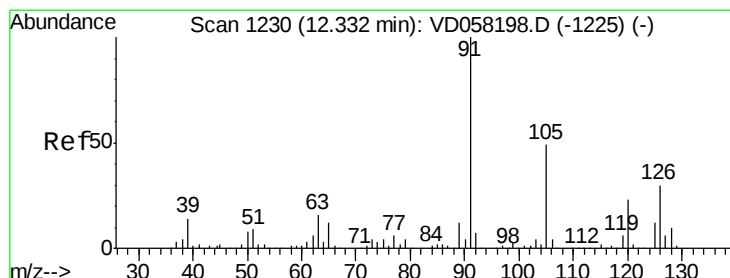
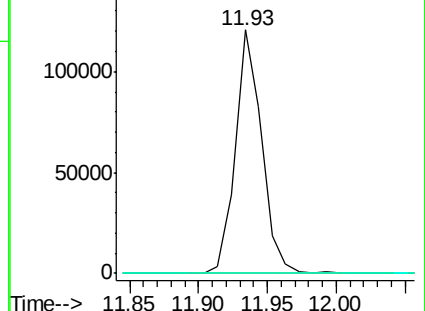
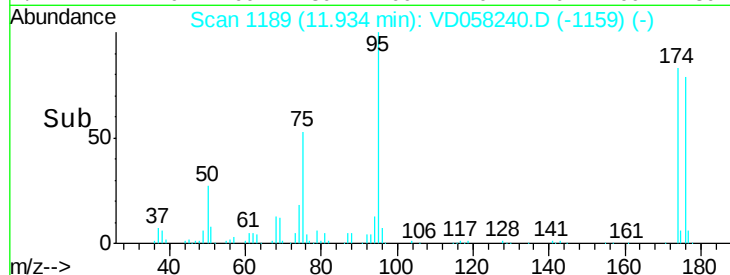
89 0.0 34.6 52.0#



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: 12.16 min Scan# 1212

Delta R.T. -0.17 min

Lab File: VD058240.D

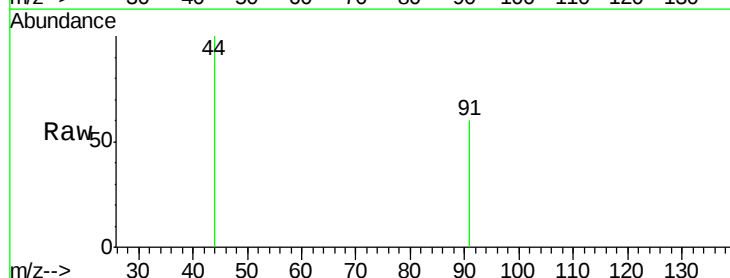
Acq: 21 Jun 2018 7:24

Tgt Ion: 91 Resp: 494

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

