

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058244.D
 Acq On : 21 Jun 2018 9:17
 Operator : VA/AP
 Sample : J3603-19
 Misc : 3.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-7

Quant Time: Jun 21 11:19:42 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	379590	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	457572	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	223887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	34592	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	222768	58.10	ug/l	0.02
Spiked Amount			Recovery	=	116.20%	
35) Dibromofluoromethane	5.57	113	236955	63.63	ug/l	0.02
Spiked Amount			Recovery	=	127.26%	
50) Toluene-d8	8.72	98	357435	39.67	ug/l	0.00
Spiked Amount			Recovery	=	79.34%	
62) 4-Bromofluorobenzene	11.94	95	61235	16.64	ug/l	0.00
Spiked Amount			Recovery	=	33.28%	

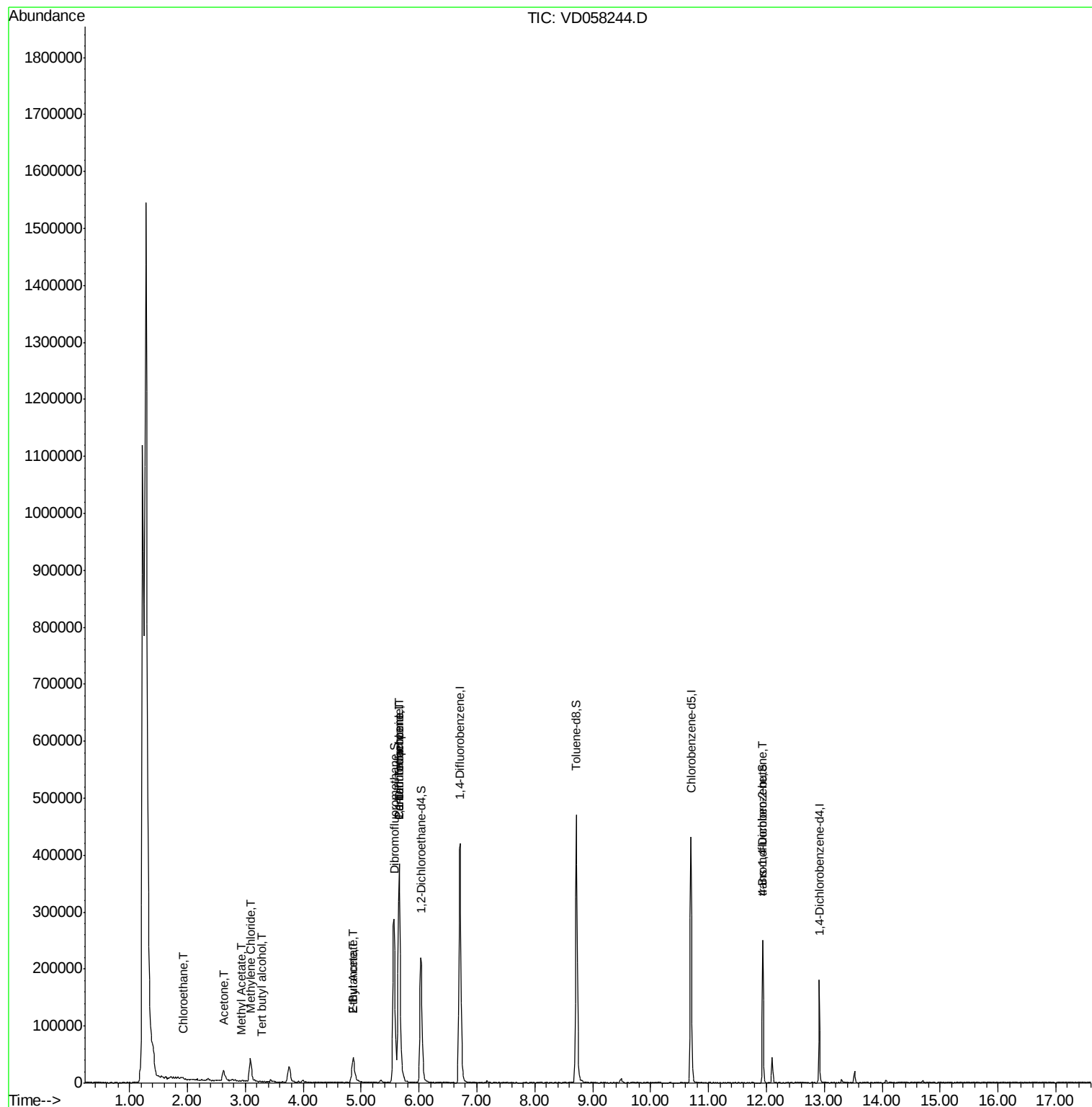
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.54	50	194	Below Cal	#	43
6) Chloroethane	1.94	64	190	1.63	ug/l #	41
11) Tert butyl alcohol	3.27	59	184	1.46	ug/l #	78
16) Acetone	2.62	43	39797	75.90	ug/l #	92
18) Methyl Acetate	2.93	43	1580	1.41	ug/l #	65
20) Methylene Chloride	3.09	84	20186	11.03	ug/l	96
25) 2-Butanone	4.85	43	9125	7.98	ug/l #	60
31) Cyclohexane	5.66	56	9673	Below Cal	#	25
36) 1,1-Dichloropropene	5.66	75	32879	7.26	ug/l #	47
37) Ethyl Acetate	4.85	43	9125	3.54	ug/l #	74
38) Carbon Tetrachloride	5.66	117	30955	6.88	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.94	75	31858	258.63	ug/l #	1
82) 4-Chlorotoluene	12.33	91	221	Below Cal	#	45

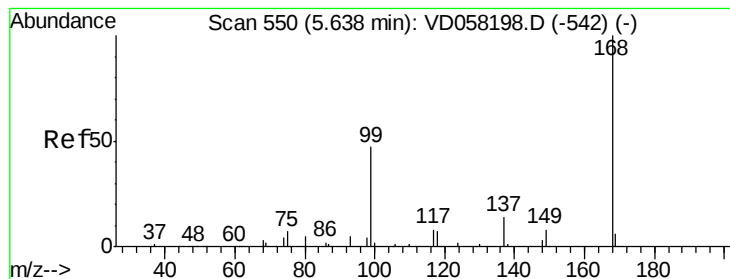
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

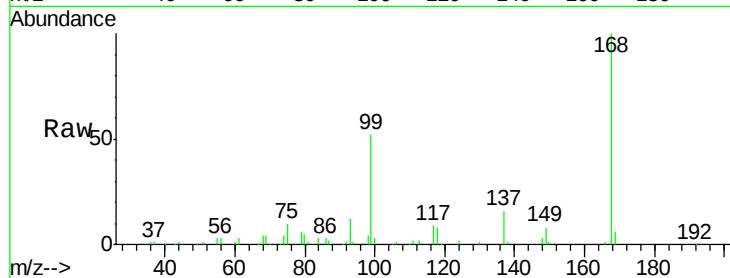
26KV-TP-7

Tot Ion:168 Resp: 379590

Ion Ratio Lower Upper

168 100

99 51.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

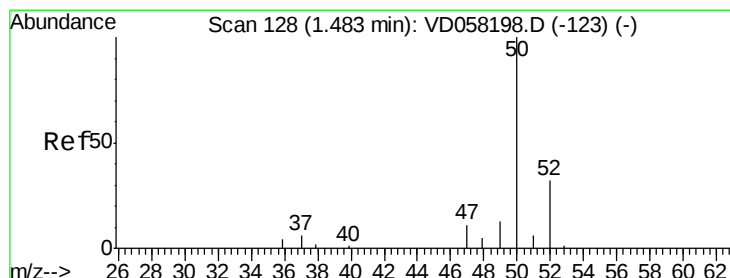
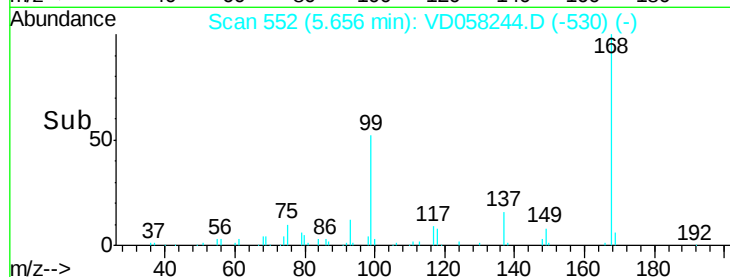
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.54 min Scan# 134

Delta R.T. 0.06 min

Lab File: VD058244.D

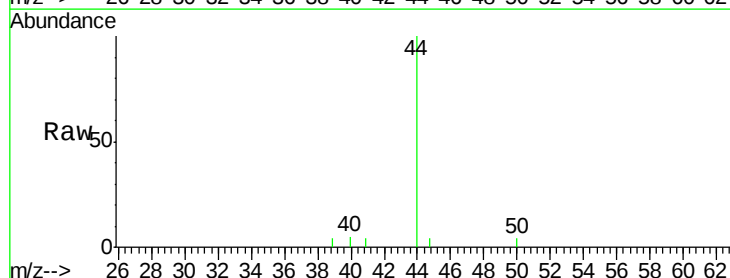
Acq: 21 Jun 2018 9:17

Tgt Ion: 50 Resp: 194

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.54

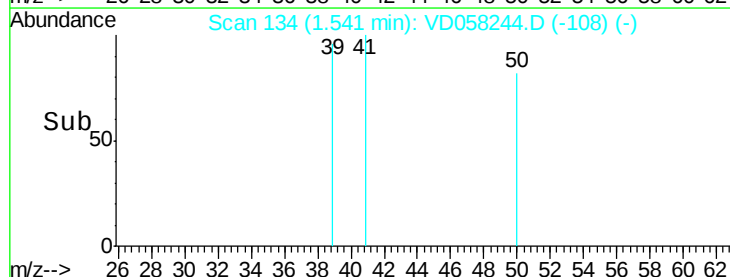
300

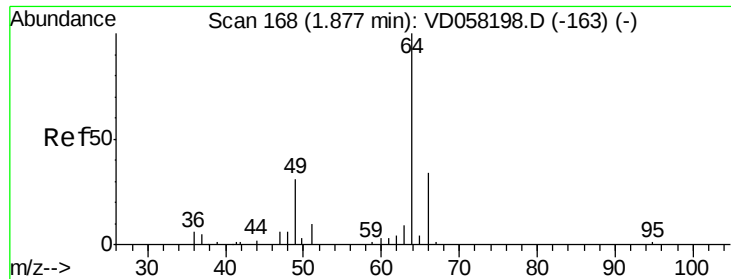
200

100

0

Time--> 1.52 1.54 1.56





#6

Chloroethane

Concen: 1.63 ug/l

RT: 1.94 min Scan# 175

Delta R.T. 0.07 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

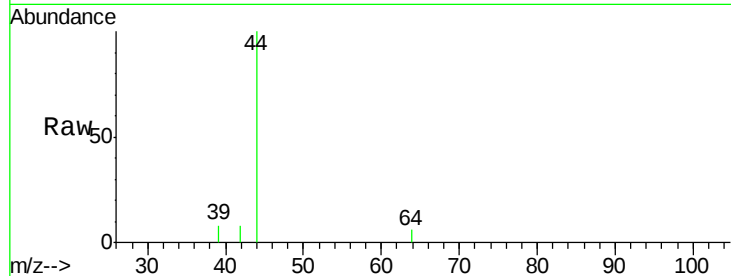
26KV-TP-7

Tot Ion: 64 Resp: 190

Ion Ratio Lower Upper

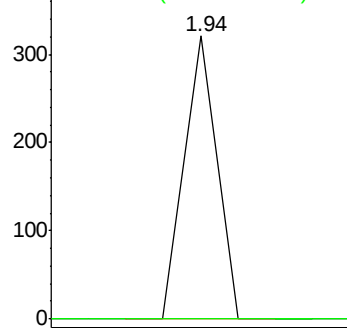
64 100

66 0.0 27.3 40.9#

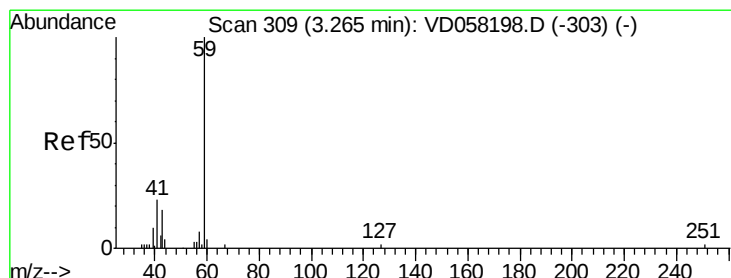
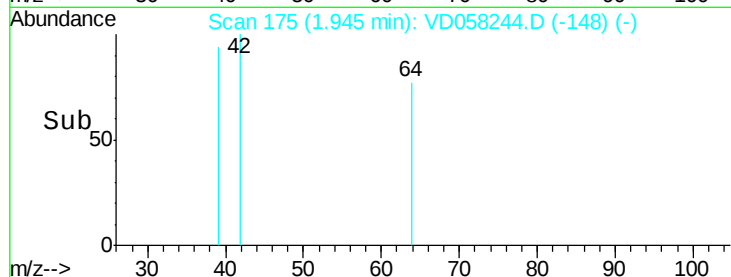


Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 1.46 ug/l

RT: 3.27 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058244.D

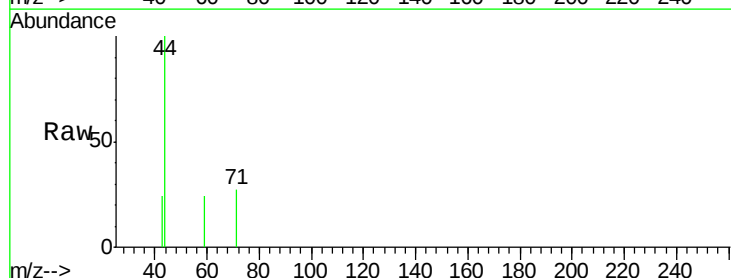
Acq: 21 Jun 2018 9:17

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

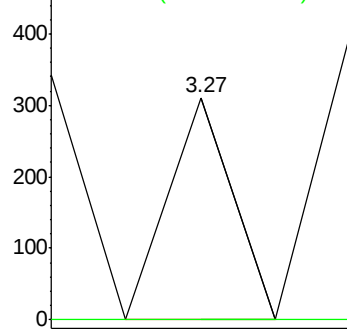
59 100

57 0.0 6.2 9.4#

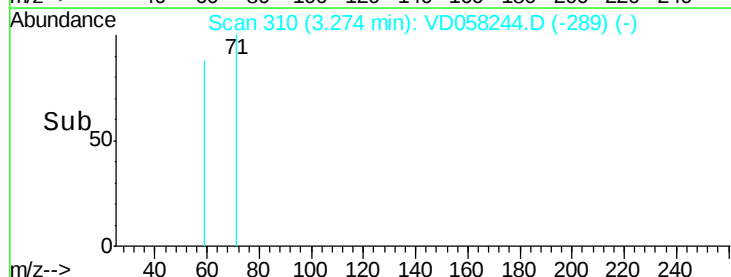


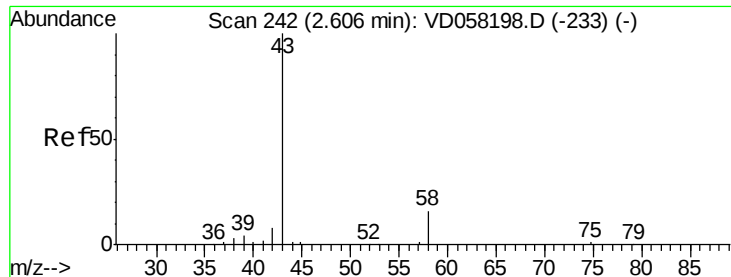
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->





#16

Acetone

Concen: 75.90 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

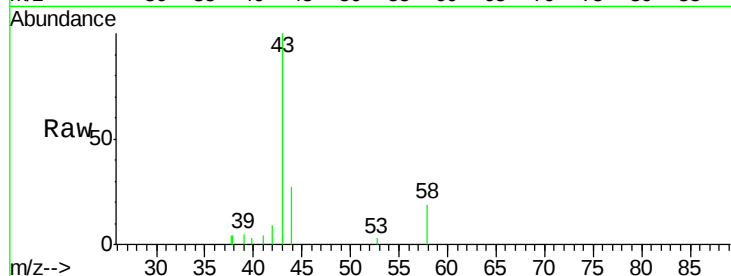
26KV-TP-7

Tot Ion: 43 Resp: 39797

Ion Ratio Lower Upper

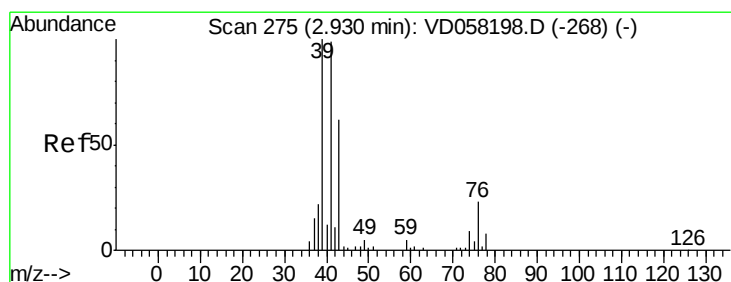
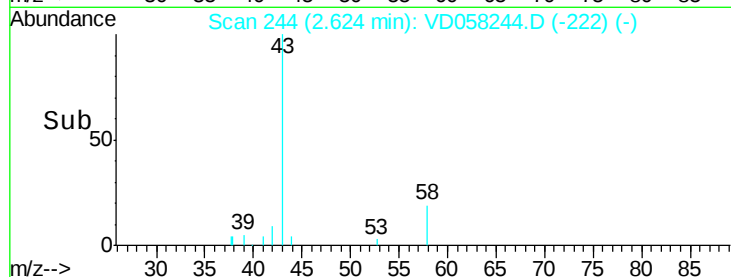
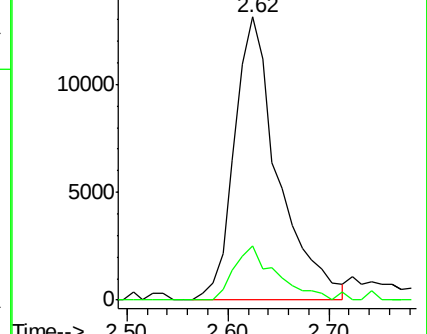
43 100

58 19.3 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.41 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD058244.D

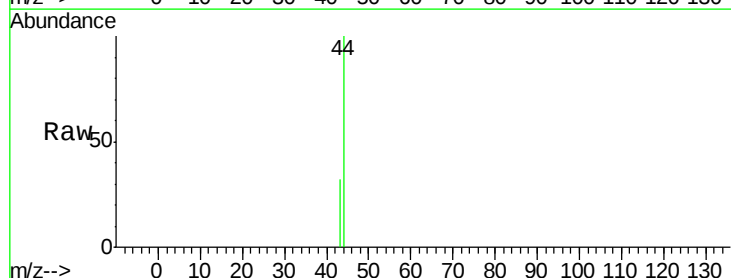
Acq: 21 Jun 2018 9:17

Tgt Ion: 43 Resp: 1580

Ion Ratio Lower Upper

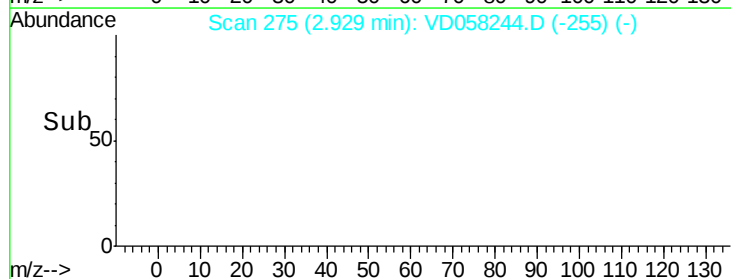
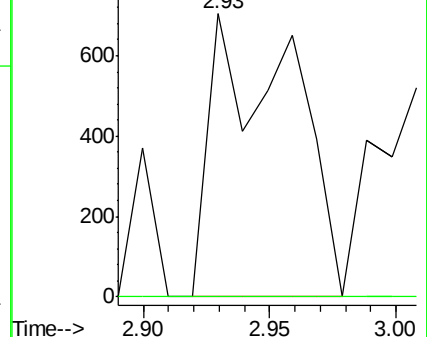
43 100

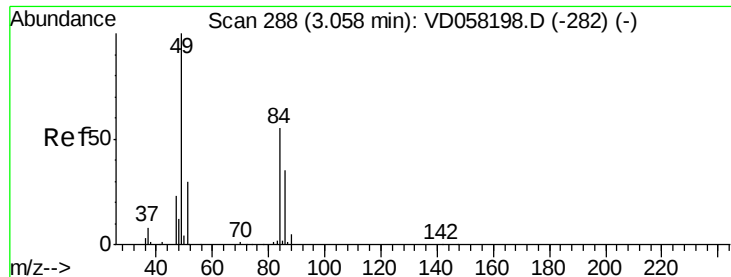
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 11.03 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.03 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-7

Tot Ion: 84 Resp: 20186

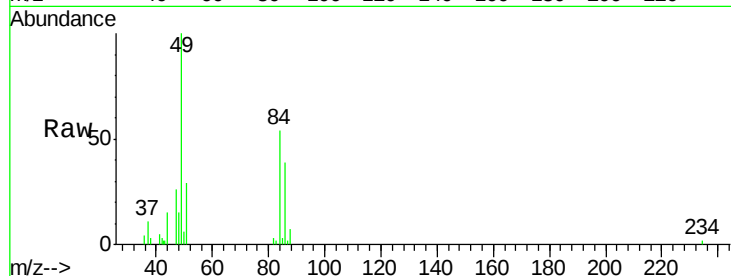
Ion Ratio Lower Upper

84 100

49 185.4 145.0 217.6

51 53.1 42.9 64.3

86 72.0 50.1 75.1

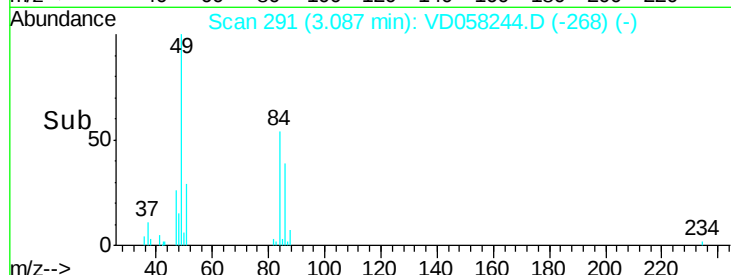
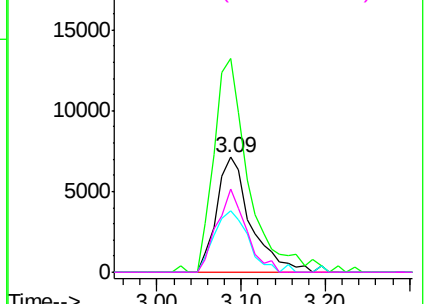


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 7.98 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058244.D

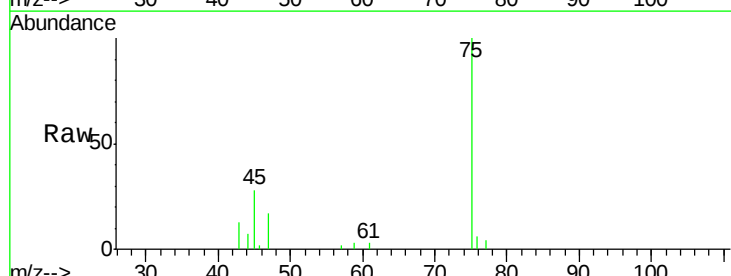
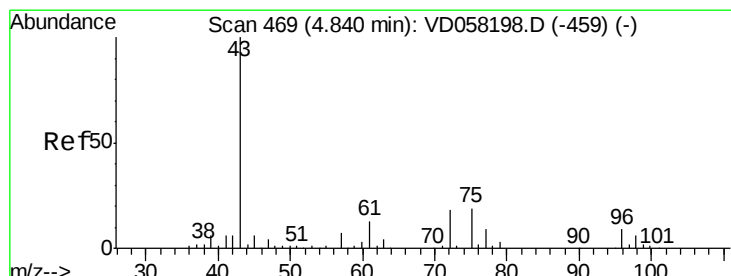
Acq: 21 Jun 2018 9:17

Tgt Ion: 43 Resp: 9125

Ion Ratio Lower Upper

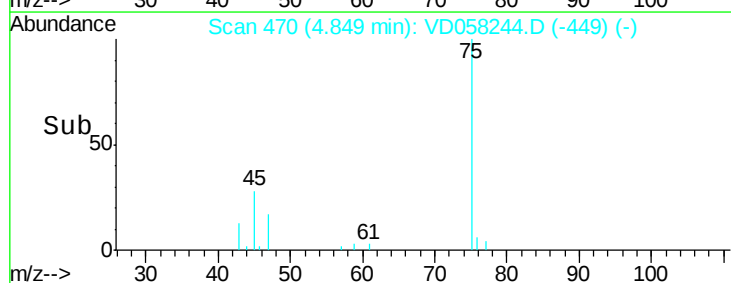
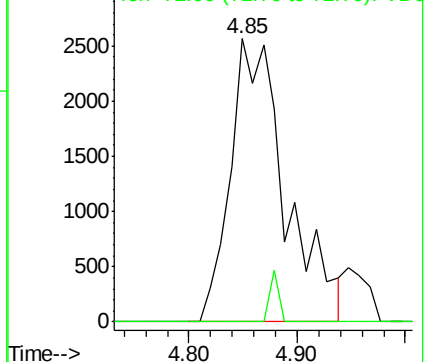
43 100

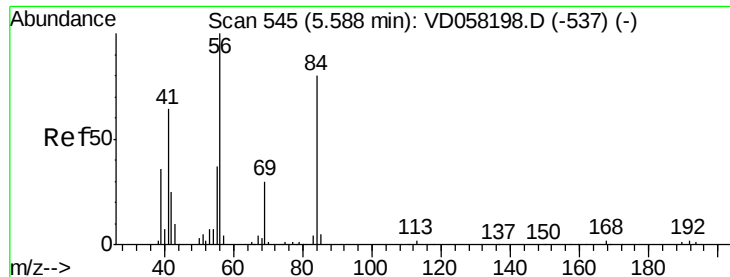
72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

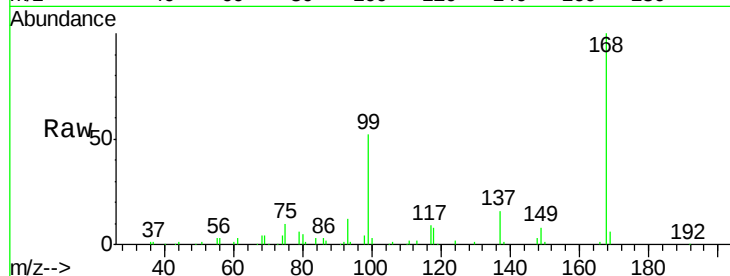




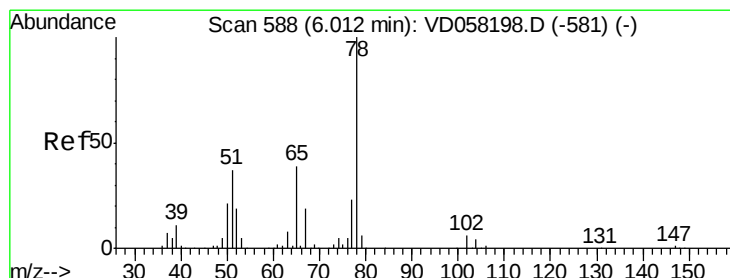
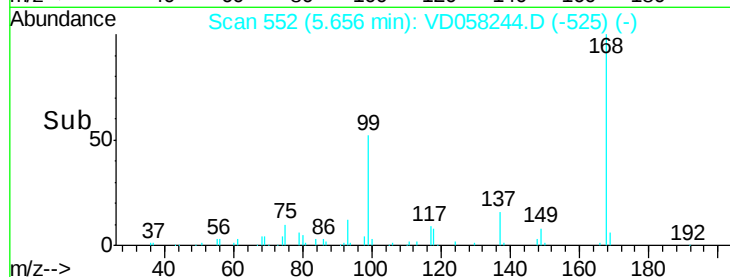
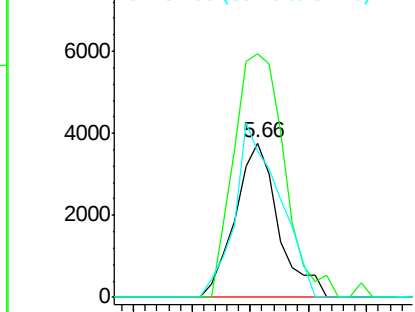
#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058244.D
Acq: 21 Jun 2018 9:17

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-7

Tot Ion: 56 Resp: 9673
Ion Ratio Lower Upper
56 100
69 157.9 23.6 35.4#
84 95.3 65.2 97.8

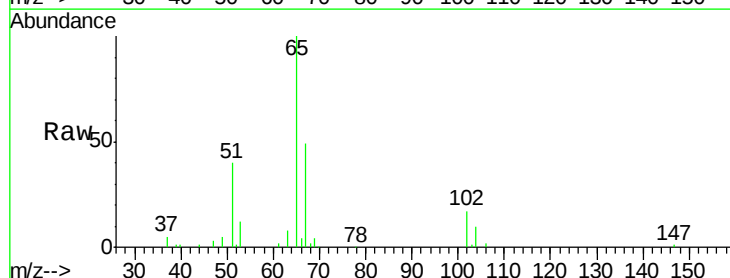


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

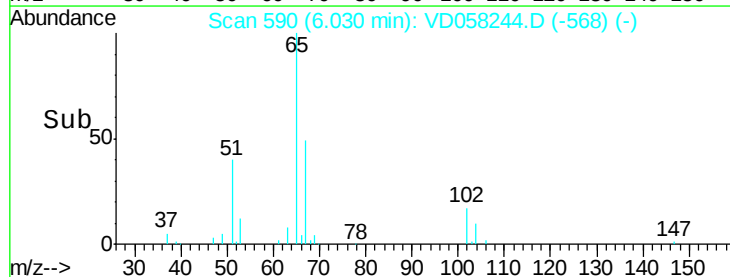
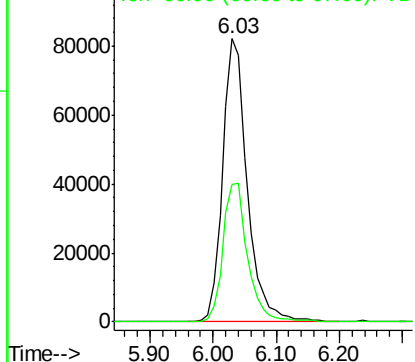


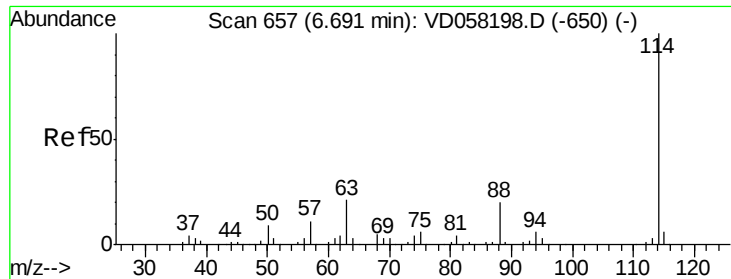
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058244.D
Acq: 21 Jun 2018 9:17

Tgt Ion: 65 Resp: 222768
Ion Ratio Lower Upper
65 100
67 48.8 0.0 97.8



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

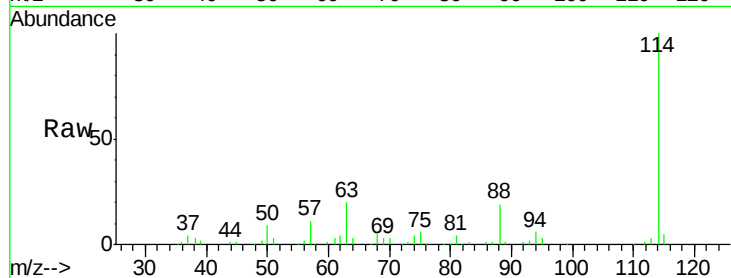




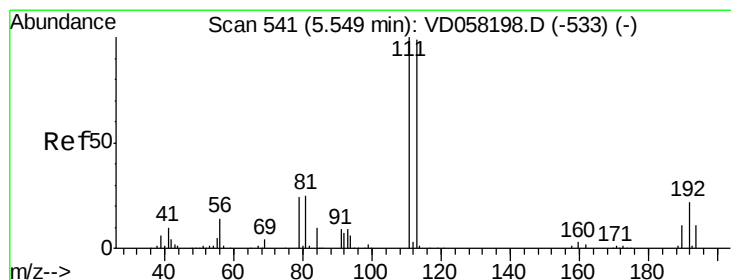
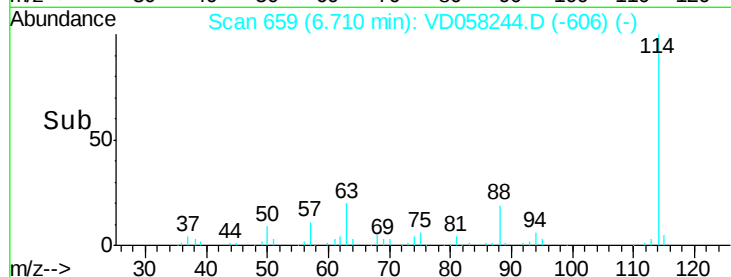
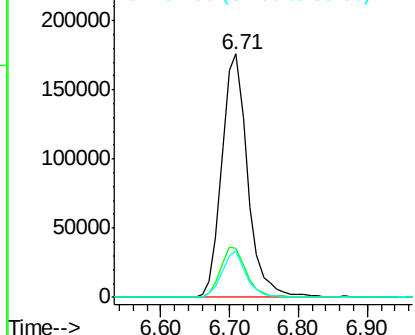
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058244.D
 Acq: 21 Jun 2018 9:17

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-7

Tot Ion:114 Resp: 457572
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 19.2 0.0 40.6

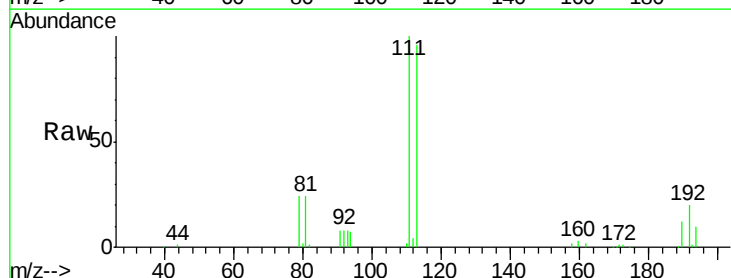


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

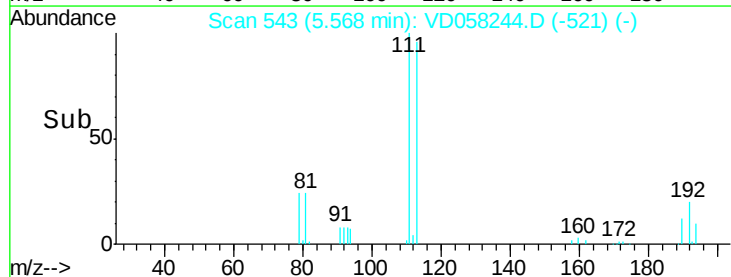
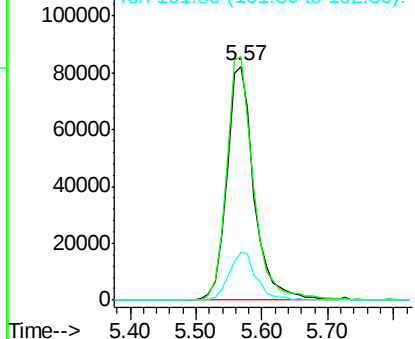


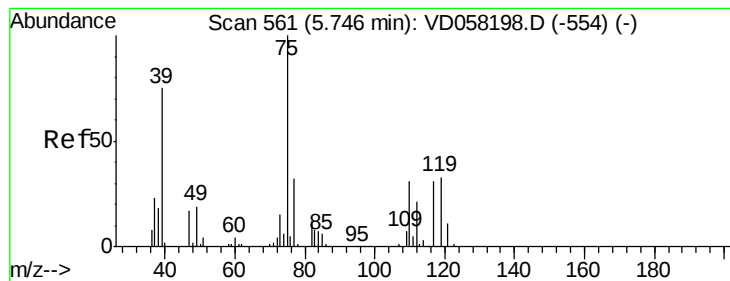
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058244.D
 Acq: 21 Jun 2018 9:17

Tgt Ion:113 Resp: 236955
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.6 121.0
 192 20.6 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





#36

1,1-Dichloropropene

Concen: 7.26 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-7

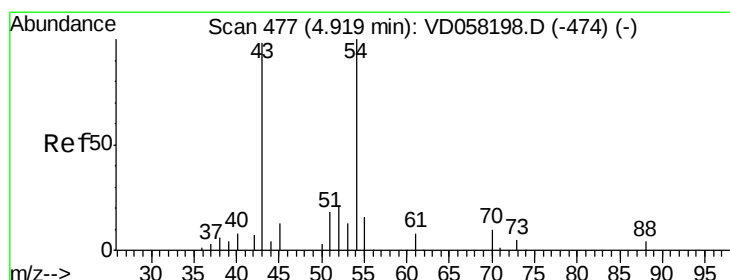
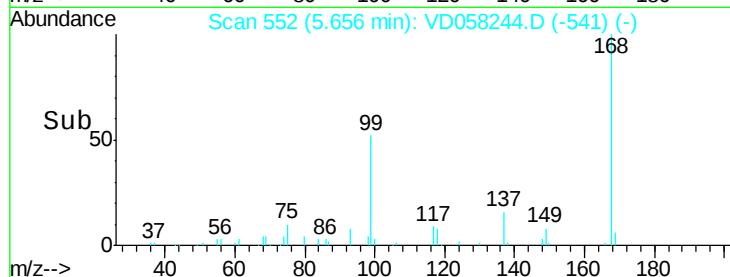
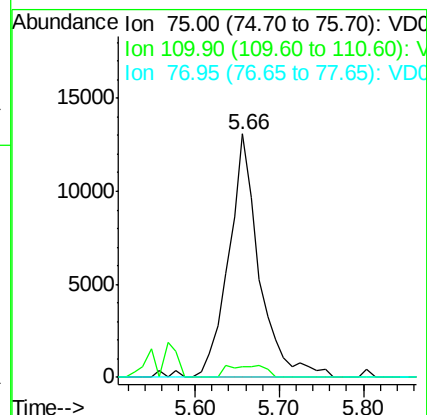
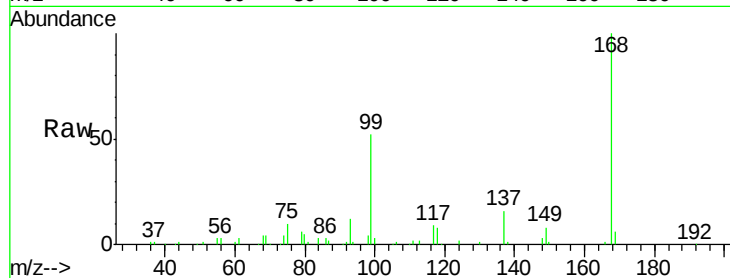
Tot Ion: 75 Resp: 32879

Ion Ratio Lower Upper

75 100

110 4.5 15.4 46.4#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 3.54 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.07 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

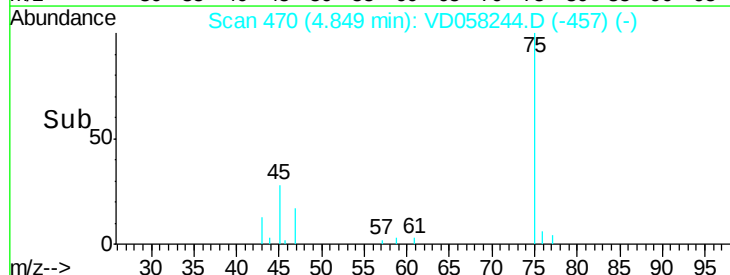
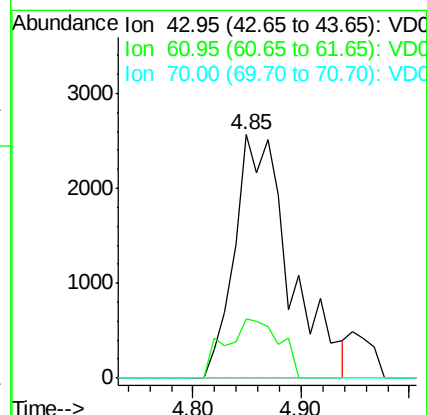
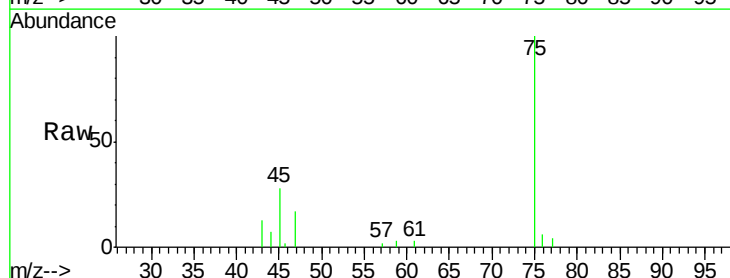
Tgt Ion: 43 Resp: 9125

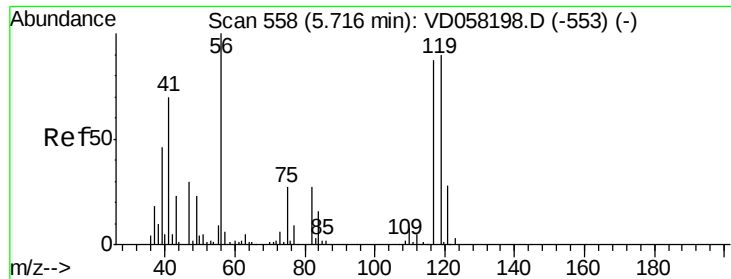
Ion Ratio Lower Upper

43 100

61 24.6 10.3 15.5#

70 0.0 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 6.88 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-7

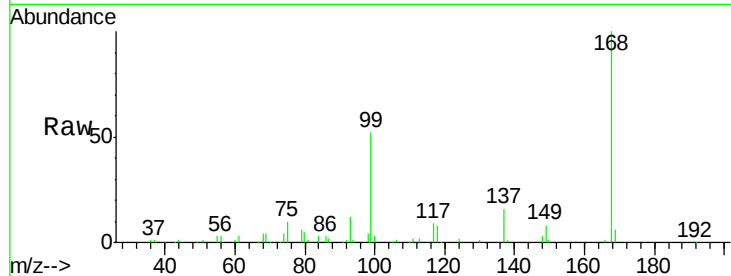
Tot Ion:117 Resp: 30955

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

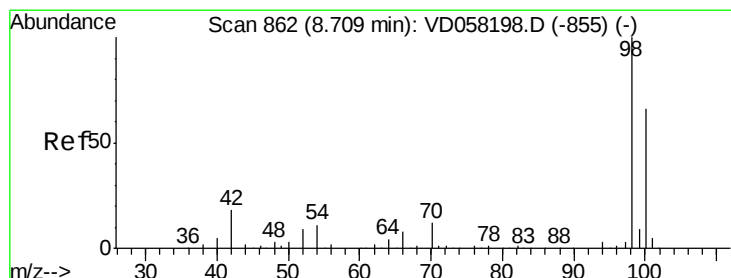
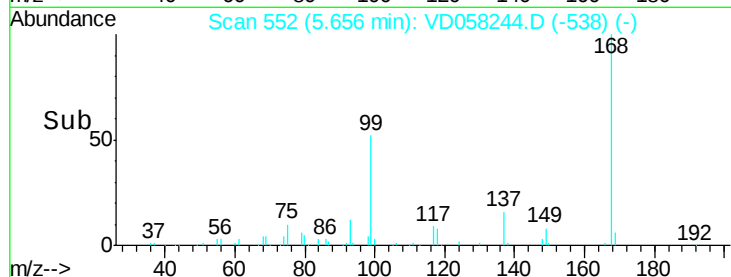
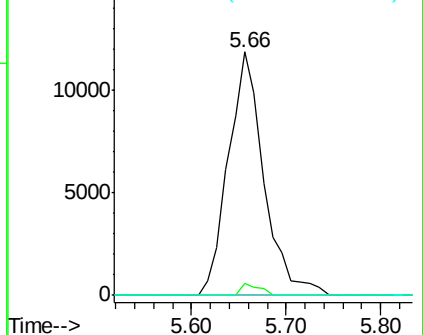
121 0.0 25.0 37.6#



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: VD058244.D

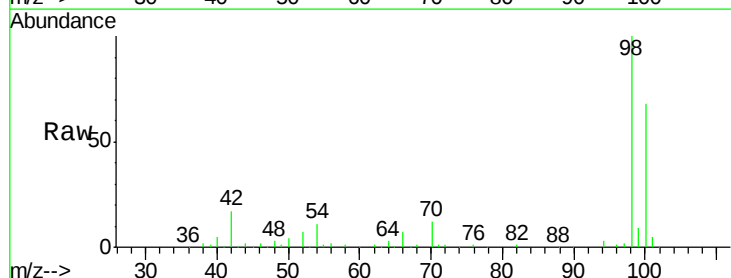
Acq: 21 Jun 2018 9:17

Tgt Ion: 98 Resp: 357435

Ion Ratio Lower Upper

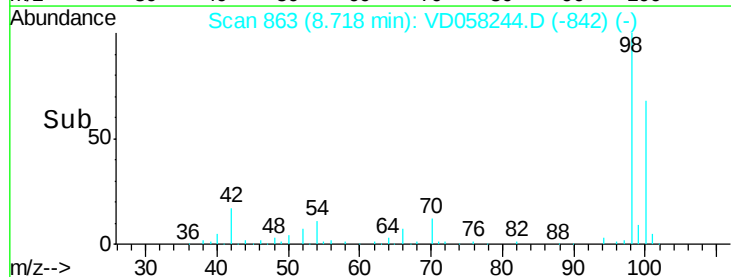
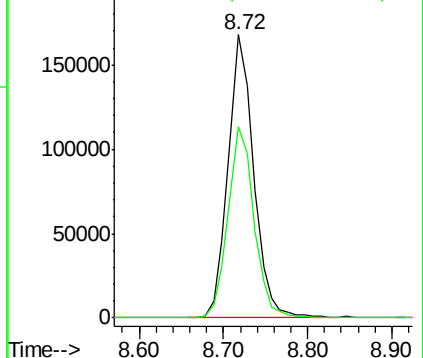
98 100

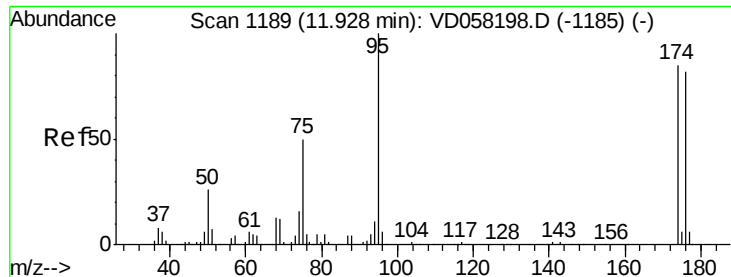
100 67.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-7

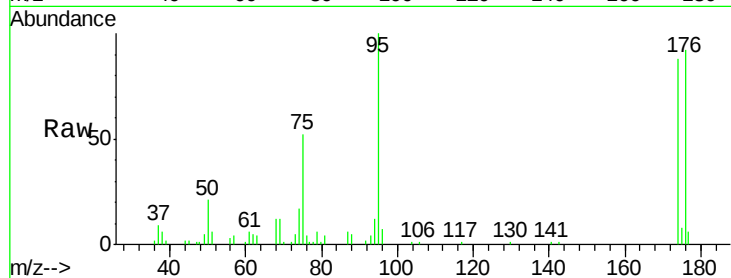
Tot Ion: 95 Resp: 61235

Ion Ratio Lower Upper

95 100

174 88.3 0.0 170.2

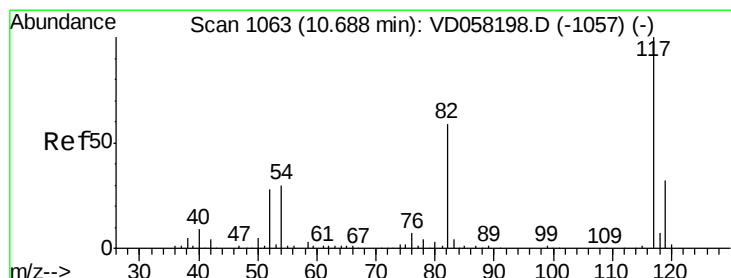
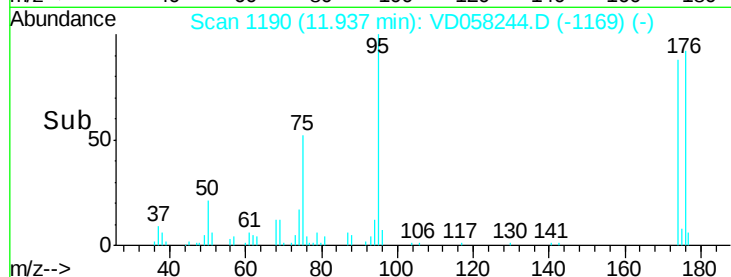
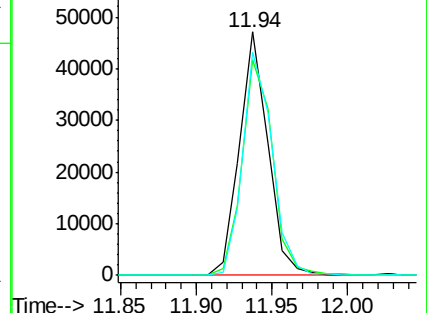
176 91.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

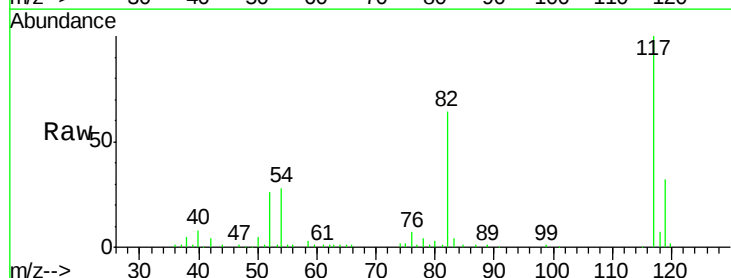
Tgt Ion: 117 Resp: 223887

Ion Ratio Lower Upper

117 100

82 64.1 47.0 70.6

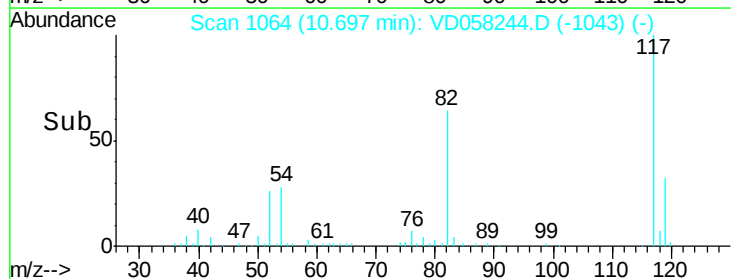
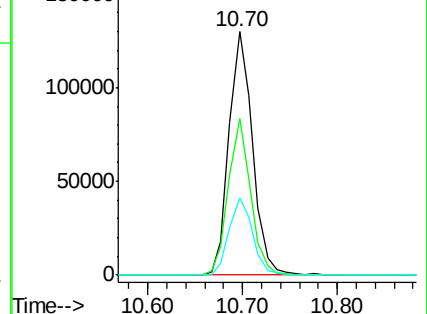
119 31.7 25.3 37.9

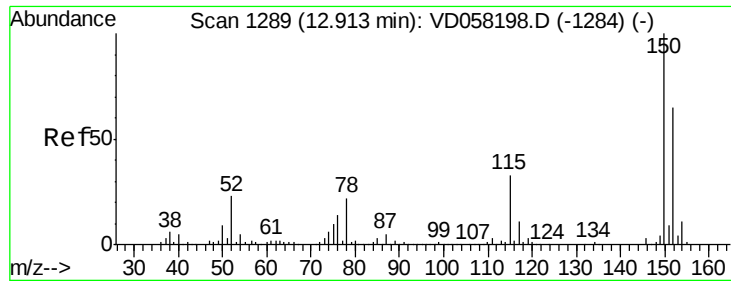


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-7

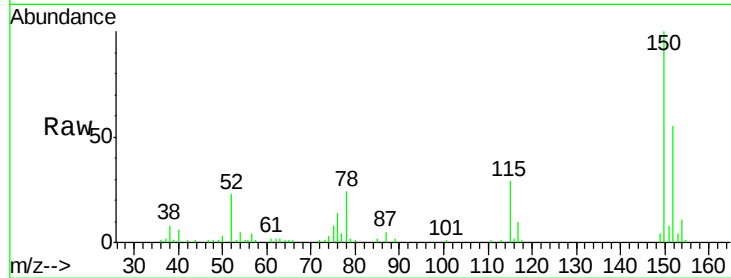
Tot Ion:152 Resp: 34592

Ion Ratio Lower Upper

152 100

115 52.6 25.1 75.3

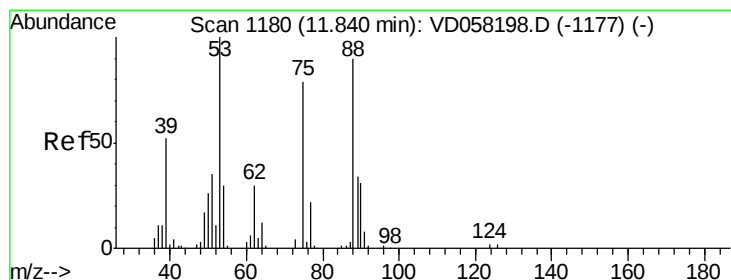
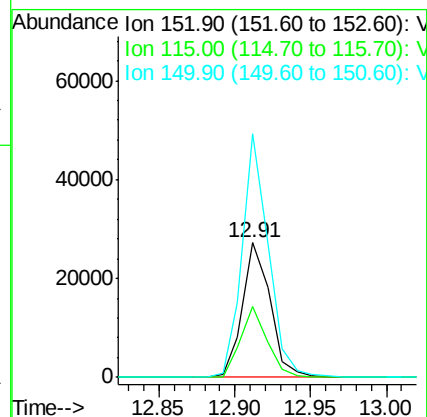
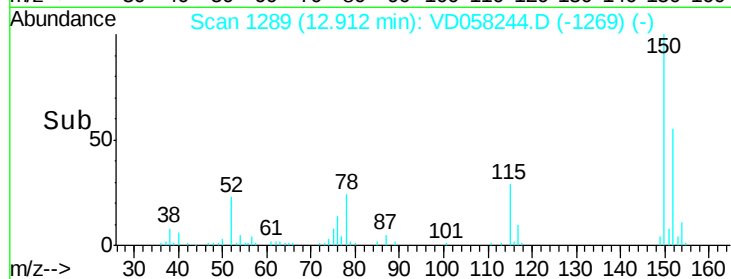
150 181.0 0.0 308.8



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: 258.63 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058244.D

Acq: 21 Jun 2018 9:17

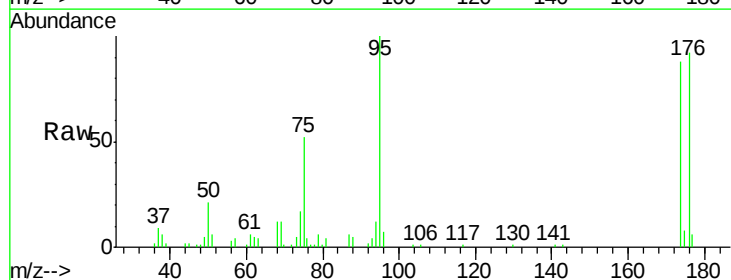
Tgt Ion: 75 Resp: 31858

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

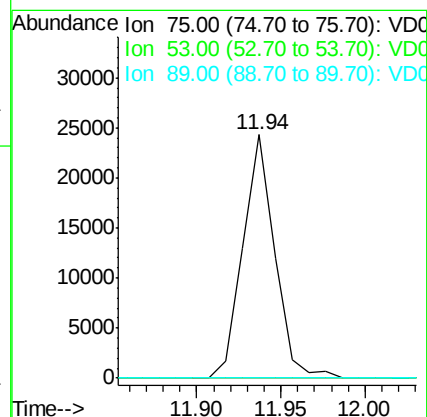
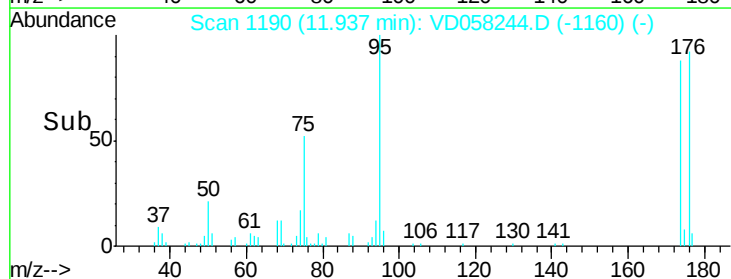
89 0.0 34.6 52.0#

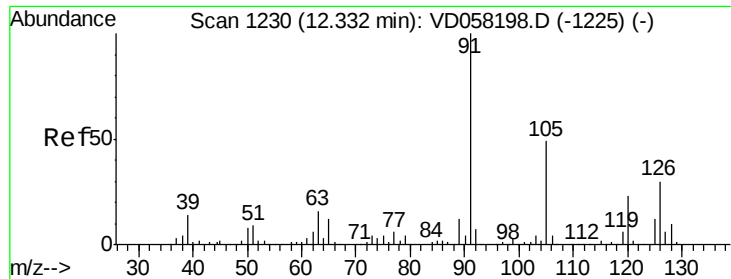


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058244.D
 Acq: 21 Jun 2018 9:17

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-7

Tot Ion: 91 Resp: 221
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

