

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065654.D
 Acq On : 17 Apr 2020 19:48
 Operator : VA/SY
 Sample : L2332-02
 Misc : 8.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8-2

Quant Time: Apr 20 07:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	211362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	346672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131215	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	116271	64.67	ug/l	0.00
Spiked Amount			Recovery	=	129.34%	
35) Dibromofluoromethane	7.92	113	119264	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
50) Toluene-d8	10.34	98	421526	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.64	95	115220	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

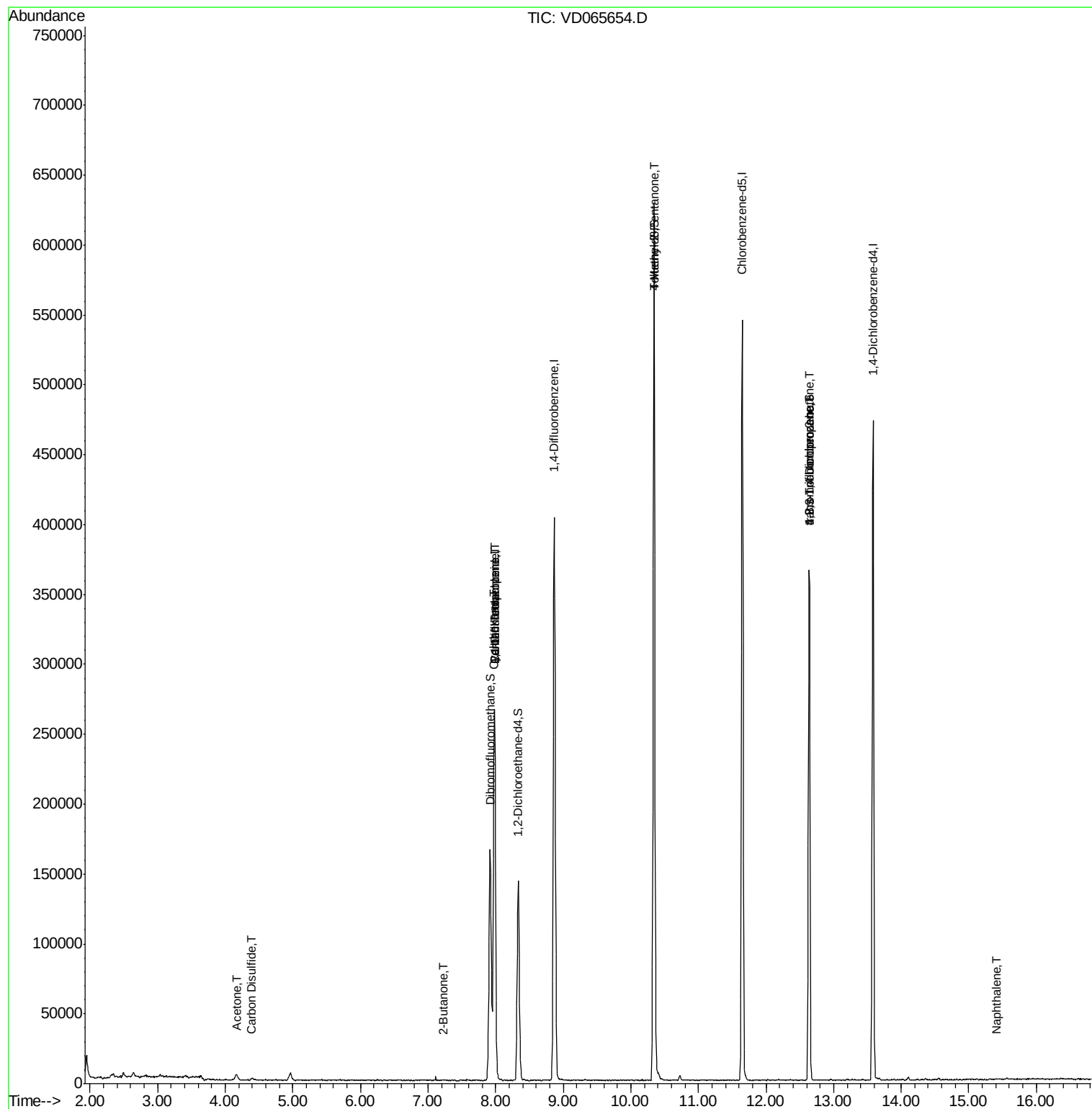
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	7030	27.339	ug/l	93
17) Carbon Disulfide	4.40	76	2762	6.466	ug/l #	75
25) 2-Butanone	7.22	43	486	1.013	ug/l #	49
31) Cyclohexane	7.97	56	4098	1.210	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	15404	4.602	ug/l #	48
38) Carbon Tetrachloride	7.98	117	20176	5.627	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1740	10.923	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	56437	53.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	56437	117.240	ug/l #	11
95) Naphthalene	15.41	128	130	4.134	ug/l #	69

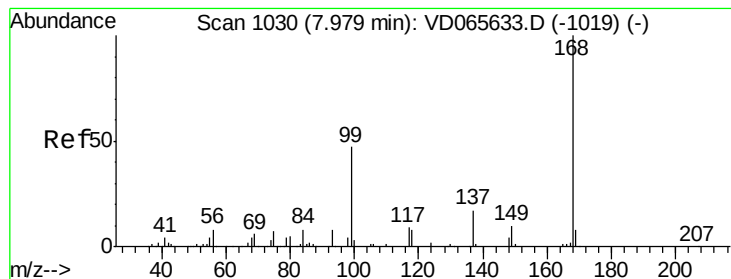
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

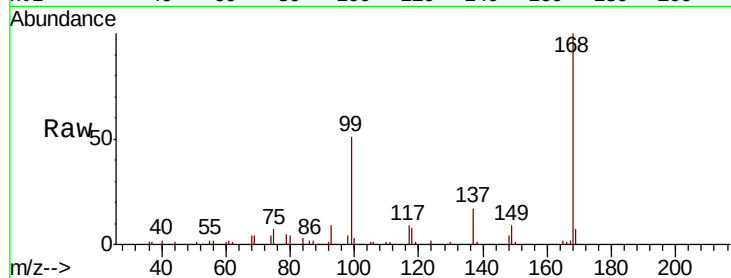
TP-8-2

Tot Ion:168 Resp: 211362

Ion Ratio Lower Upper

168 100

99 51.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

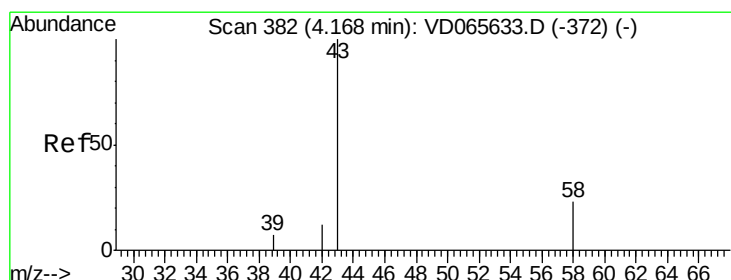
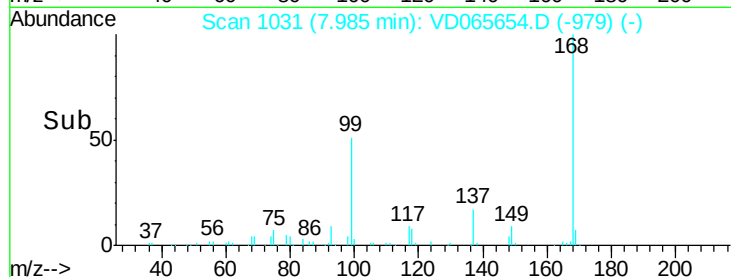
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 27.339 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065654.D

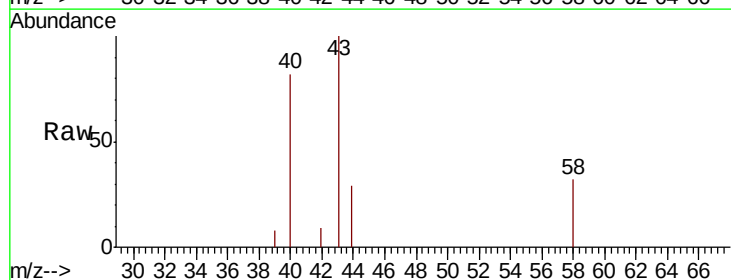
Acq: 17 Apr 2020 19:48

Tgt Ion: 43 Resp: 7030

Ion Ratio Lower Upper

43 100

58 32.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

3000

2500

2000

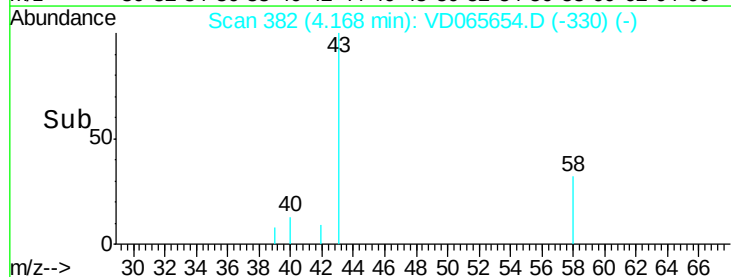
1500

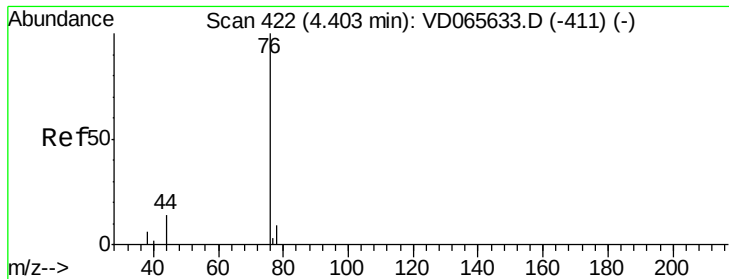
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 6.466 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampled :

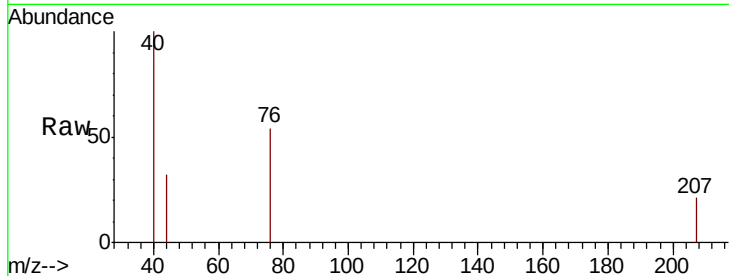
TP-8-2

Tot Ion: 76 Resp: 2762

Ion Ratio Lower Upper

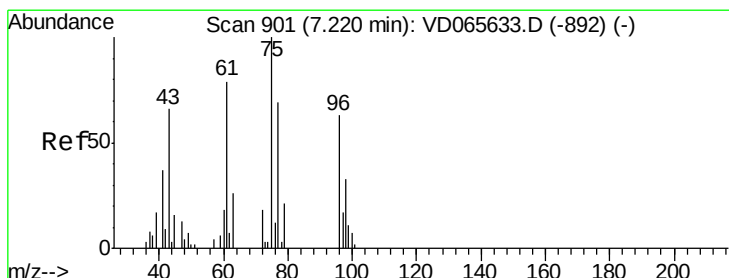
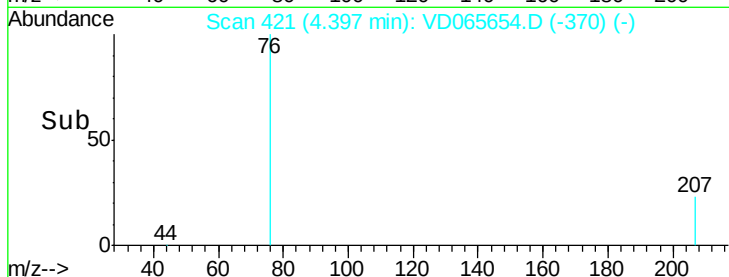
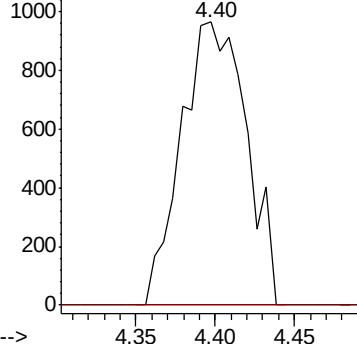
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 1.013 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065654.D

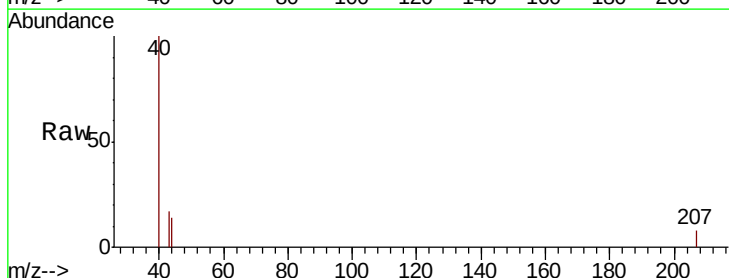
Acq: 17 Apr 2020 19:48

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

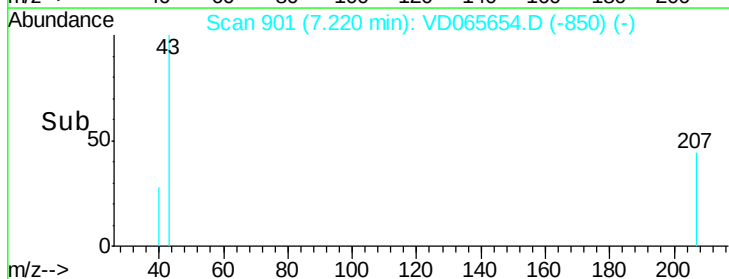
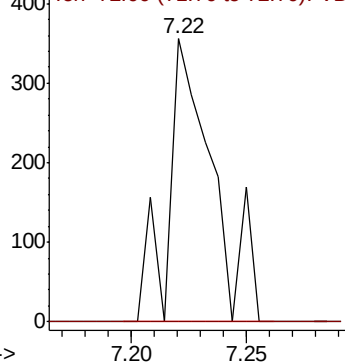
43 100

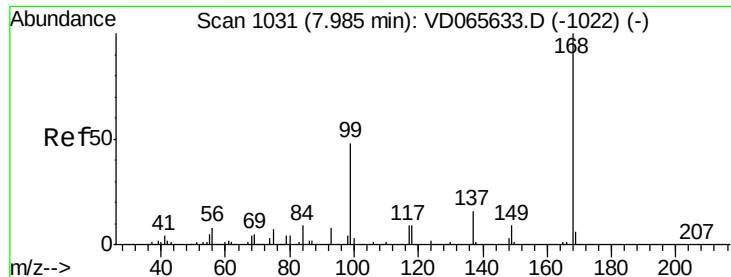
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

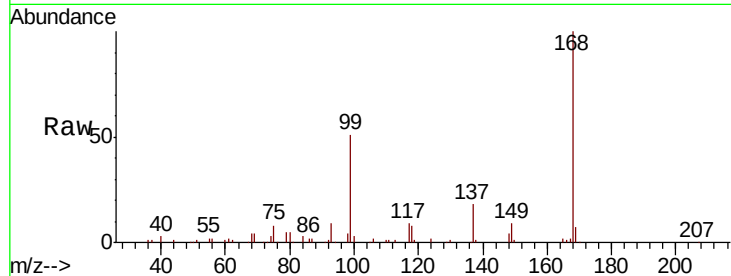




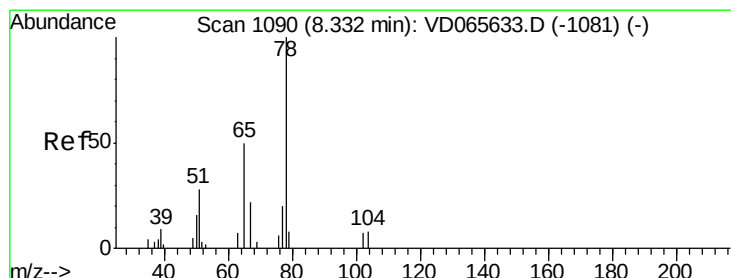
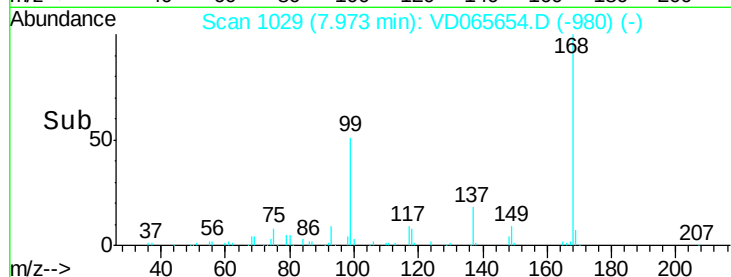
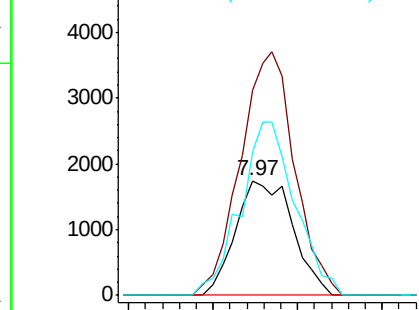
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065654.D
Acq: 17 Apr 2020 19:48

Instrument :
MSVOA_D
ClientSampleID :
TP-8-2

Tot Ion: 56 Resp: 4098
Ion Ratio Lower Upper
56 100
69 179.3 26.6 40.0#
84 126.0 75.3 112.9#

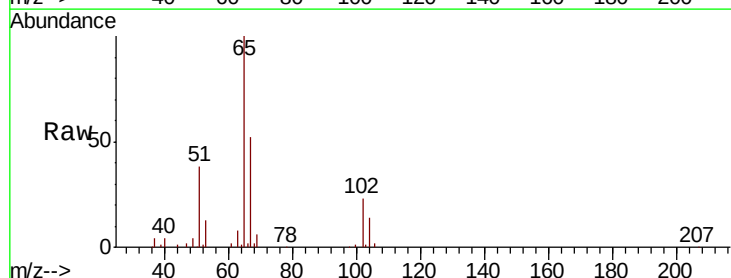


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

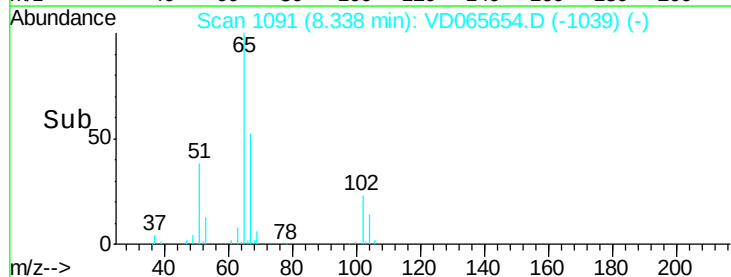
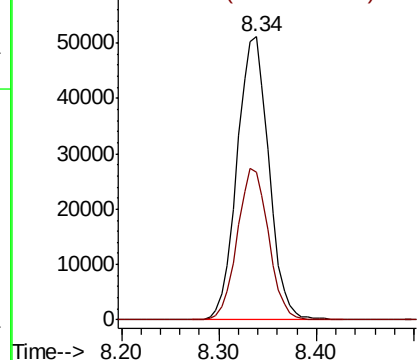


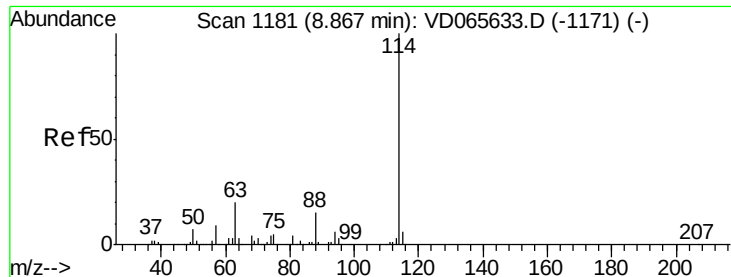
#33
1,2-Dichloroethane-d4
Concen: 64.666 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065654.D
Acq: 17 Apr 2020 19:48

Tgt Ion: 65 Resp: 116271
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

TP-8-2

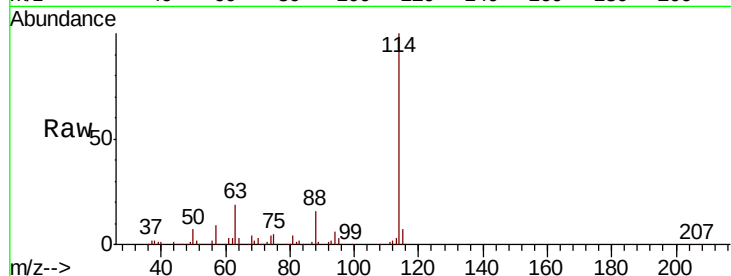
Tot Ion:114 Resp: 346672

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

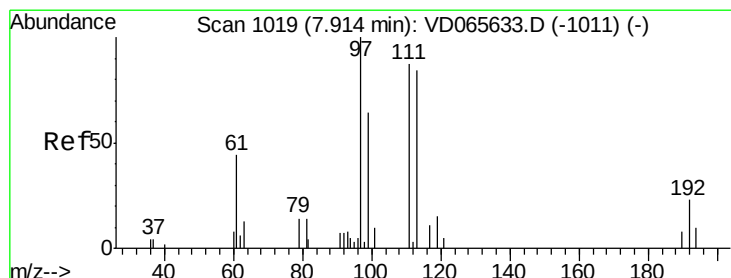
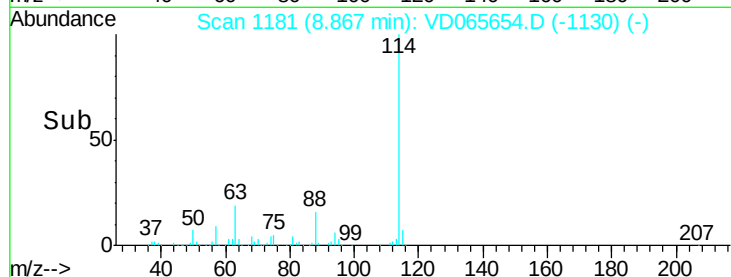
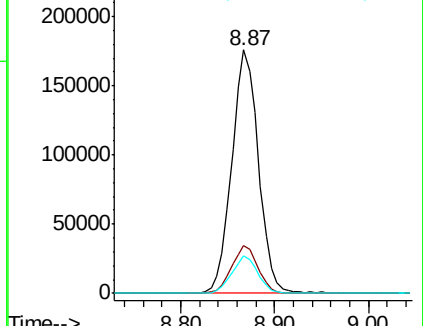
88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 55.276 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

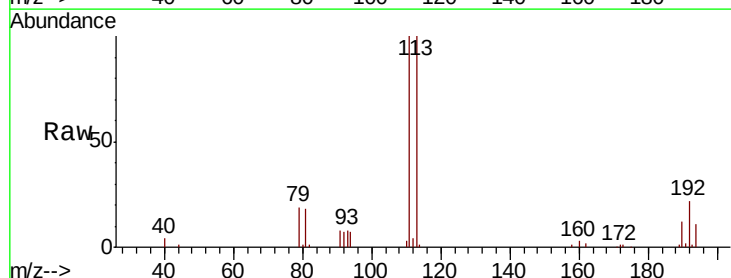
Tgt Ion:113 Resp: 119264

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

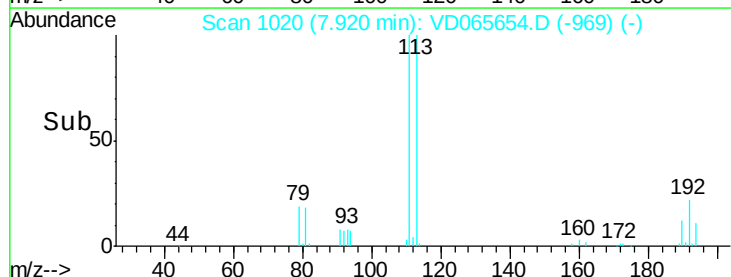
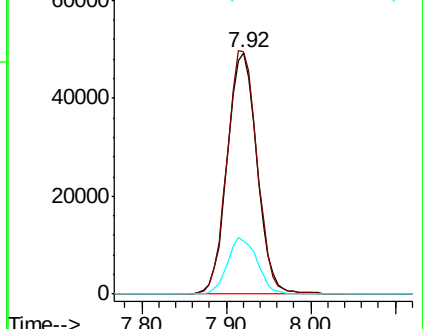
192 23.2 18.9 28.3

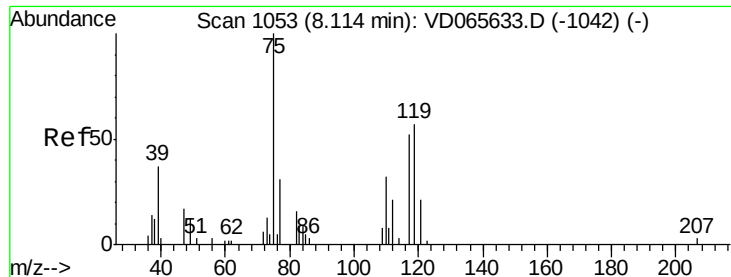


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampled :

TP-8-2

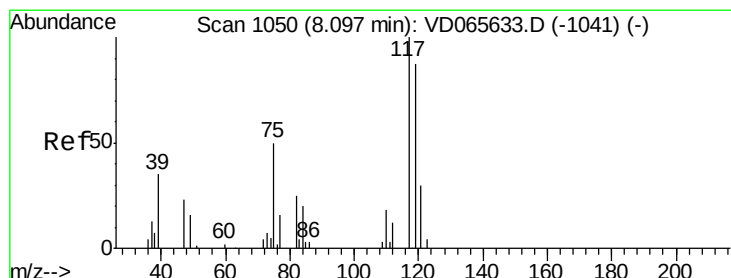
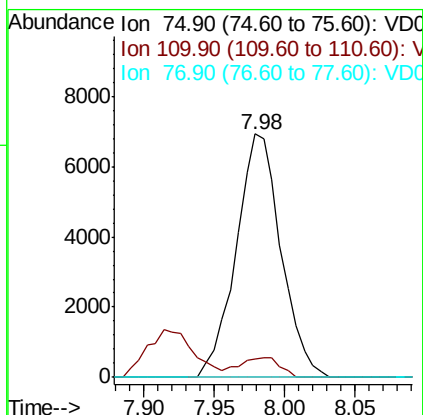
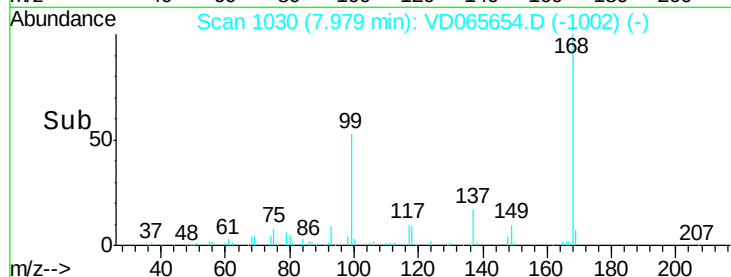
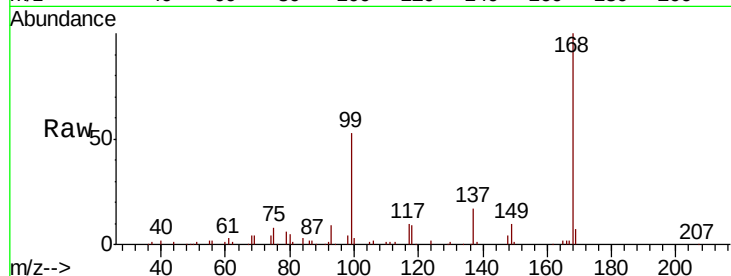
Tot Ion: 75 Resp: 15404

Ion Ratio Lower Upper

75 100

110 7.5 18.3 54.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

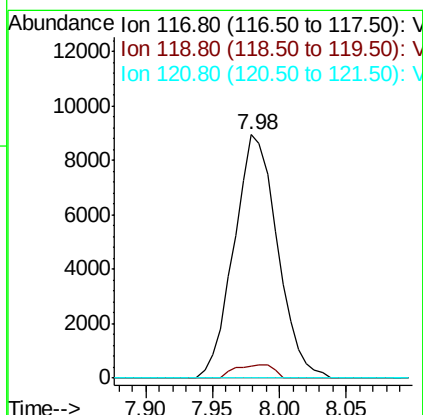
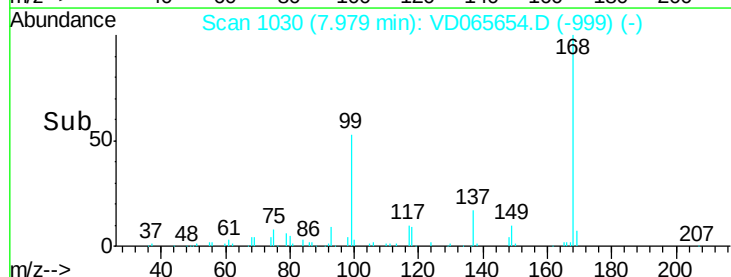
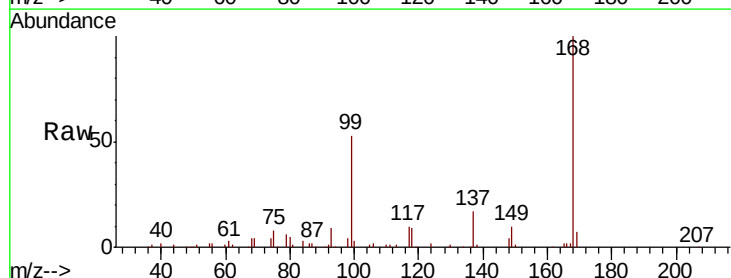
Tgt Ion: 117 Resp: 20176

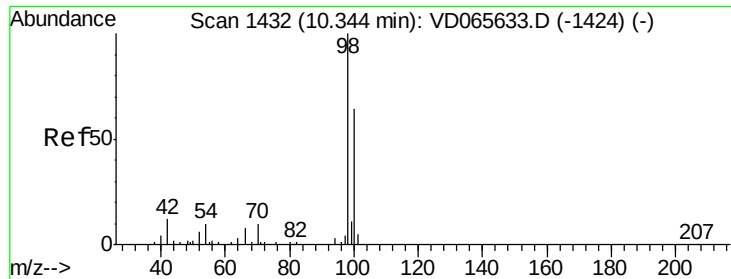
Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

121 0.0 24.9 37.3#

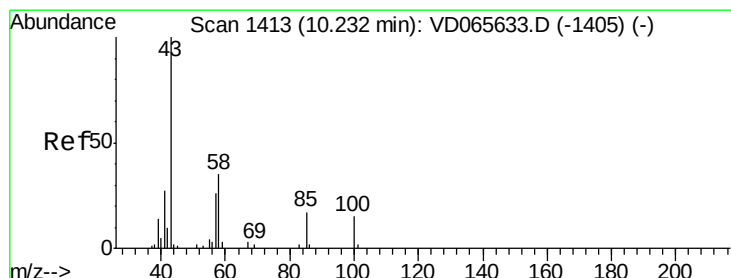
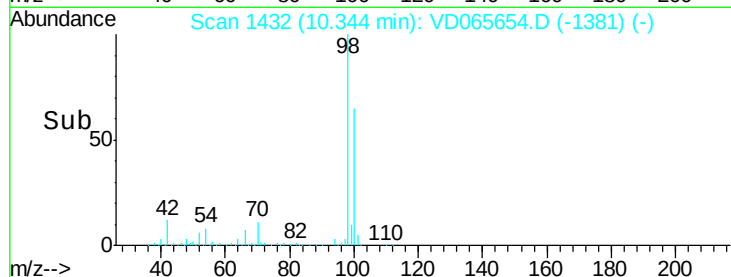
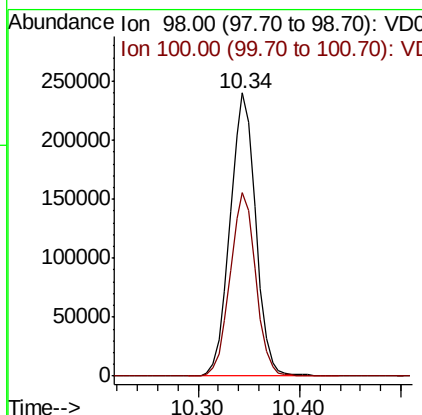
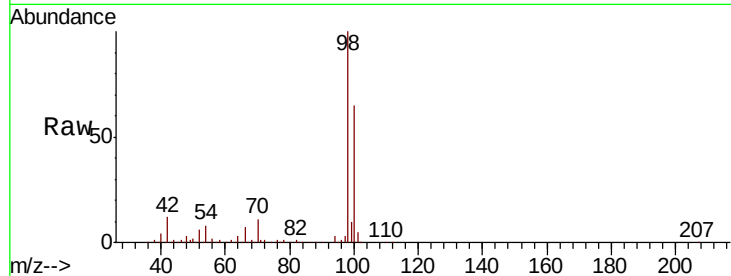




#50
Toluene-d8
Concen: 52.998 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065654.D
Acq: 17 Apr 2020 19:48

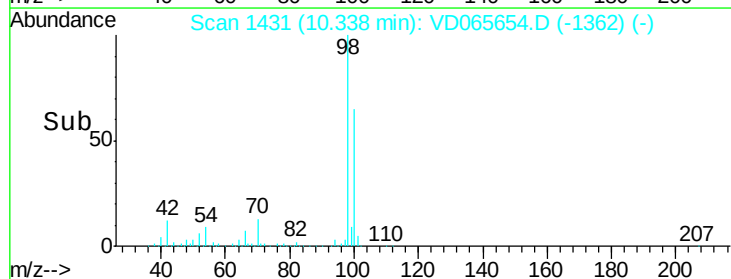
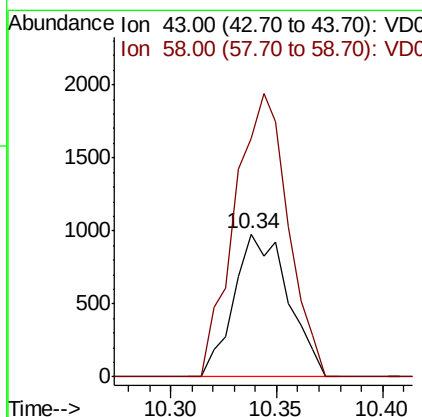
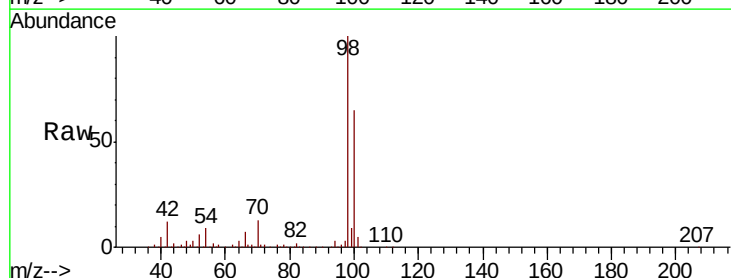
Instrument :
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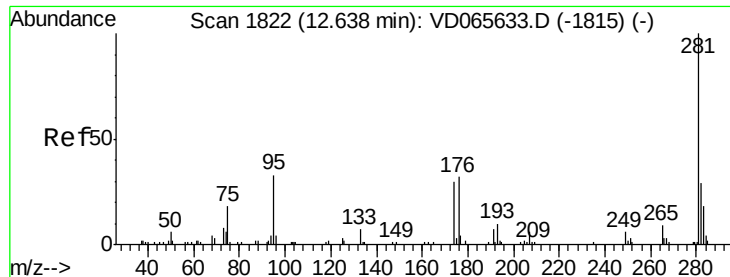
Tot Ion: 98 Resp: 421526
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 10.923 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD065654.D
Acq: 17 Apr 2020 19:48

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
58 196.1 31.1 46.7#

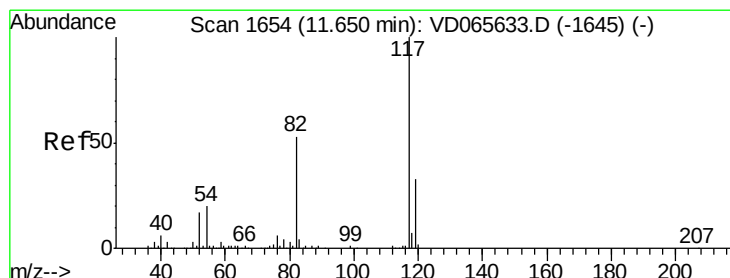
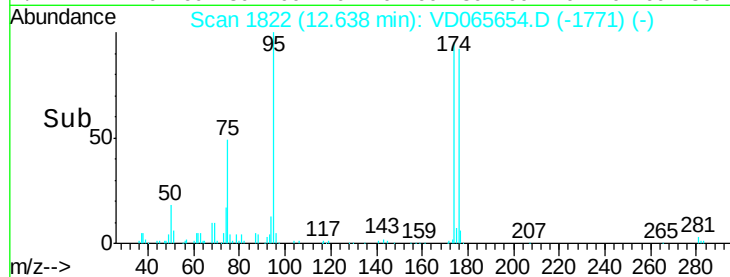
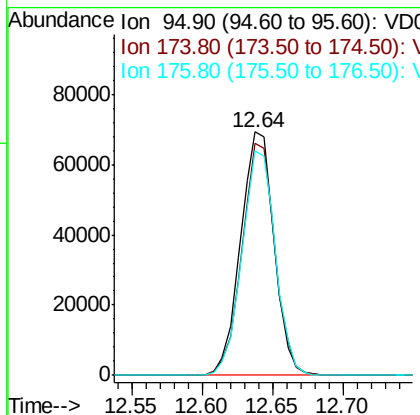
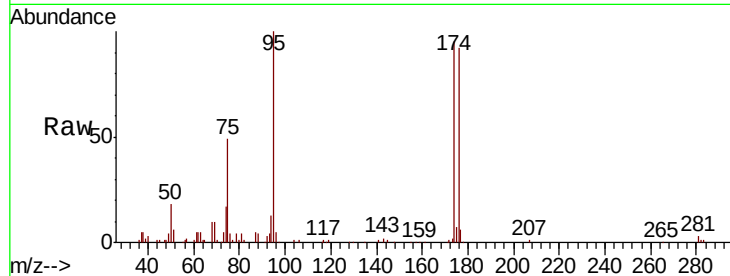




#62
 4-Bromofluorobenzene
 Concen: 43.536 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065654.D
 Acq: 17 Apr 2020 19:48

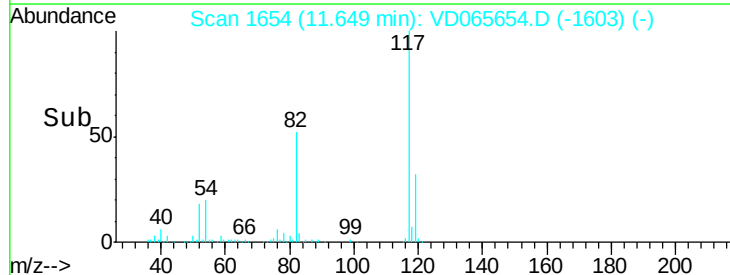
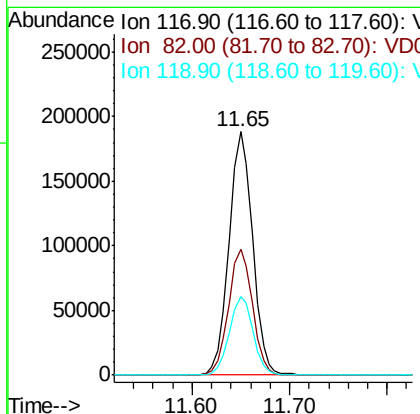
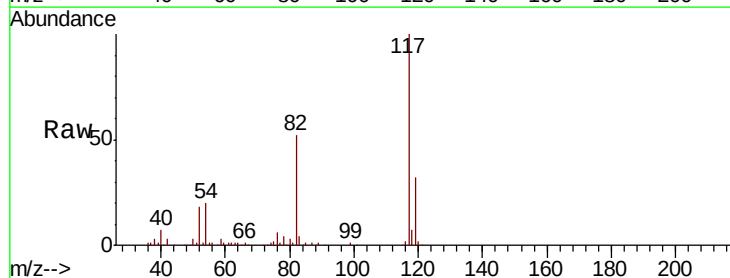
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8-2

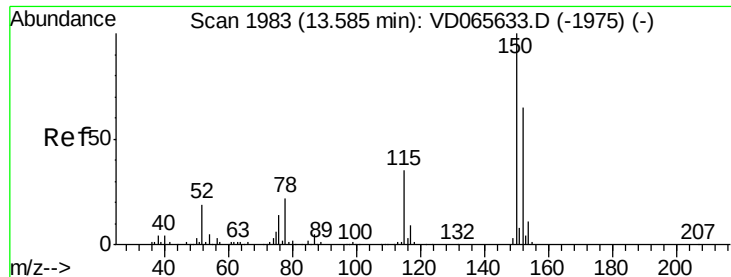
Tot Ion: 95 Resp: 115220
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 183.8
 176 92.0 0.0 181.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VD065654.D
 Acq: 17 Apr 2020 19:48

Tgt Ion: 117 Resp: 316415
 Ion Ratio Lower Upper
 117 100
 82 51.6 43.2 64.8
 119 32.2 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

TP-8-2

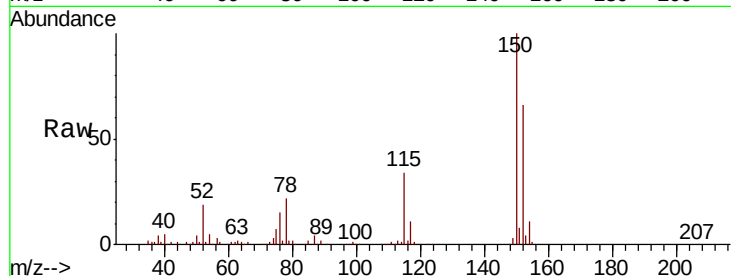
Tot Ion:152 Resp: 131215

Ion Ratio Lower Upper

152 100

115 53.0 27.6 82.7

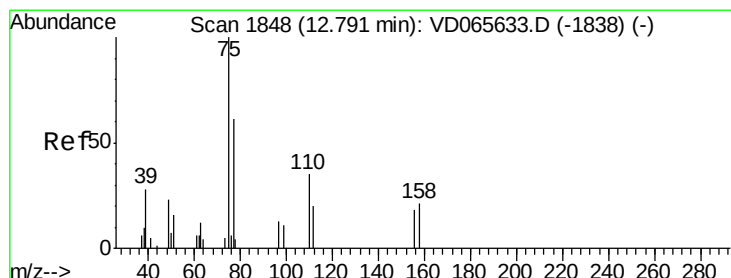
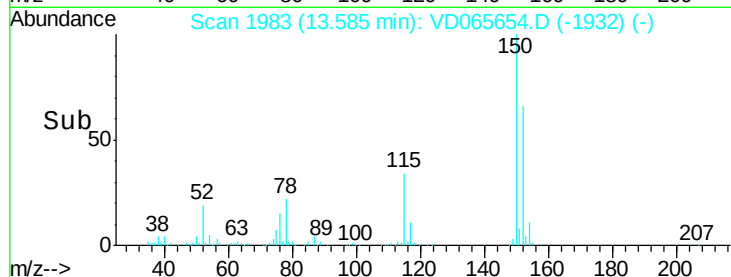
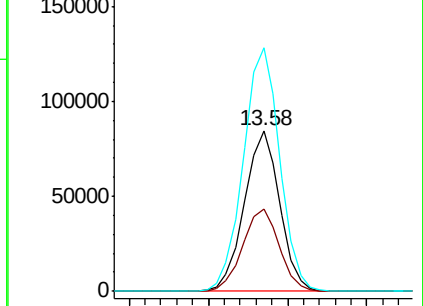
150 155.7 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 53.494 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065654.D

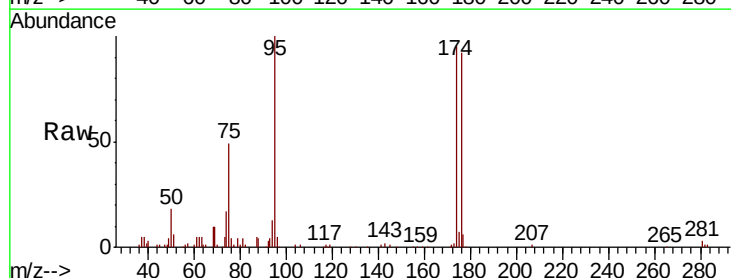
Acq: 17 Apr 2020 19:48

Tgt Ion: 75 Resp: 56437

Ion Ratio Lower Upper

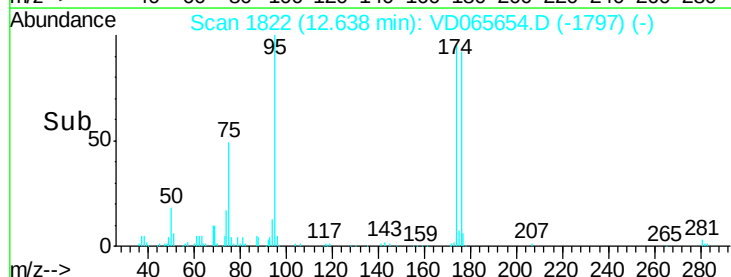
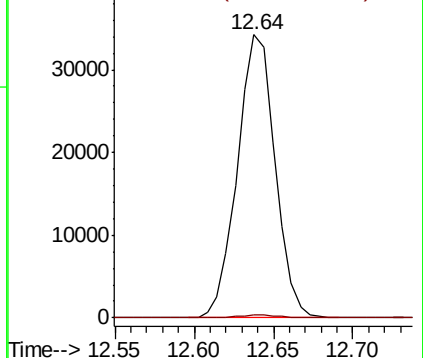
75 100

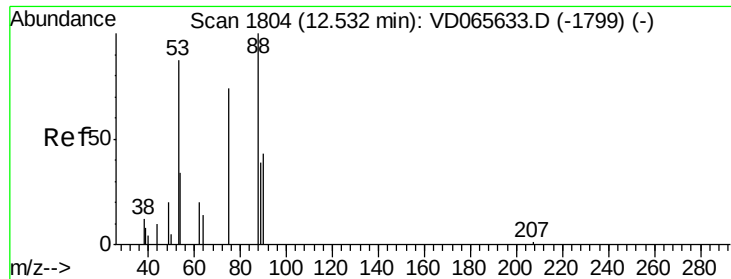
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.240 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

TP-8-2

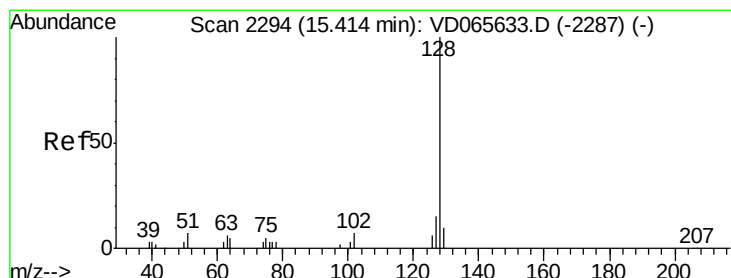
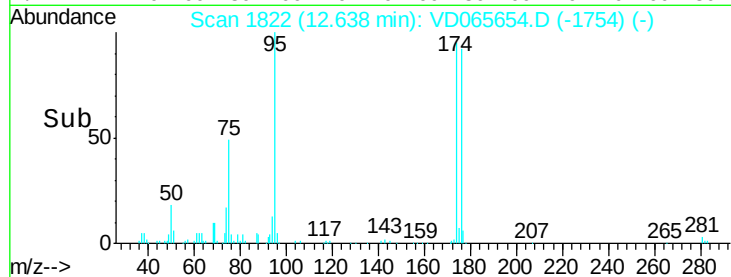
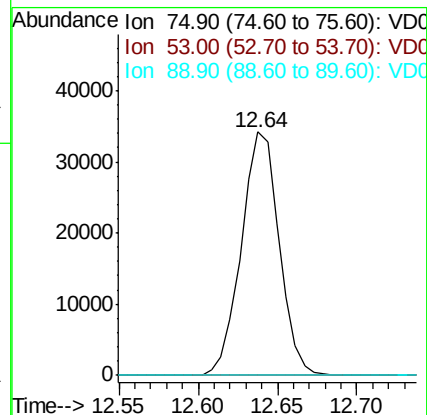
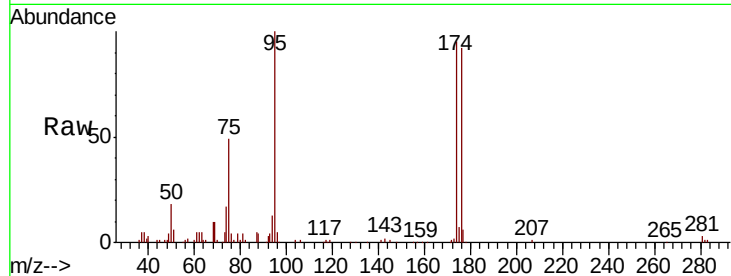
Tot Ion: 75 Resp: 56437

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 36.1 54.1#



#95

Naphthalene

Concen: 4.134 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065654.D

Acq: 17 Apr 2020 19:48

Tgt Ion: 128 Resp: 130

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.8 13.2#

