

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065660.D
 Acq On : 17 Apr 2020 22:39
 Operator : VA/SY
 Sample : L2331-01
 Misc : 6.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22-(1.5-2.5)

Quant Time: Apr 20 07:05:07 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	231276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	348057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188464	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	121566	61.79	ug/l	0.00
Spiked Amount			Recovery	=	123.58%	
35) Dibromofluoromethane	7.92	113	126110	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	10.34	98	456200	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.64	95	135329	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

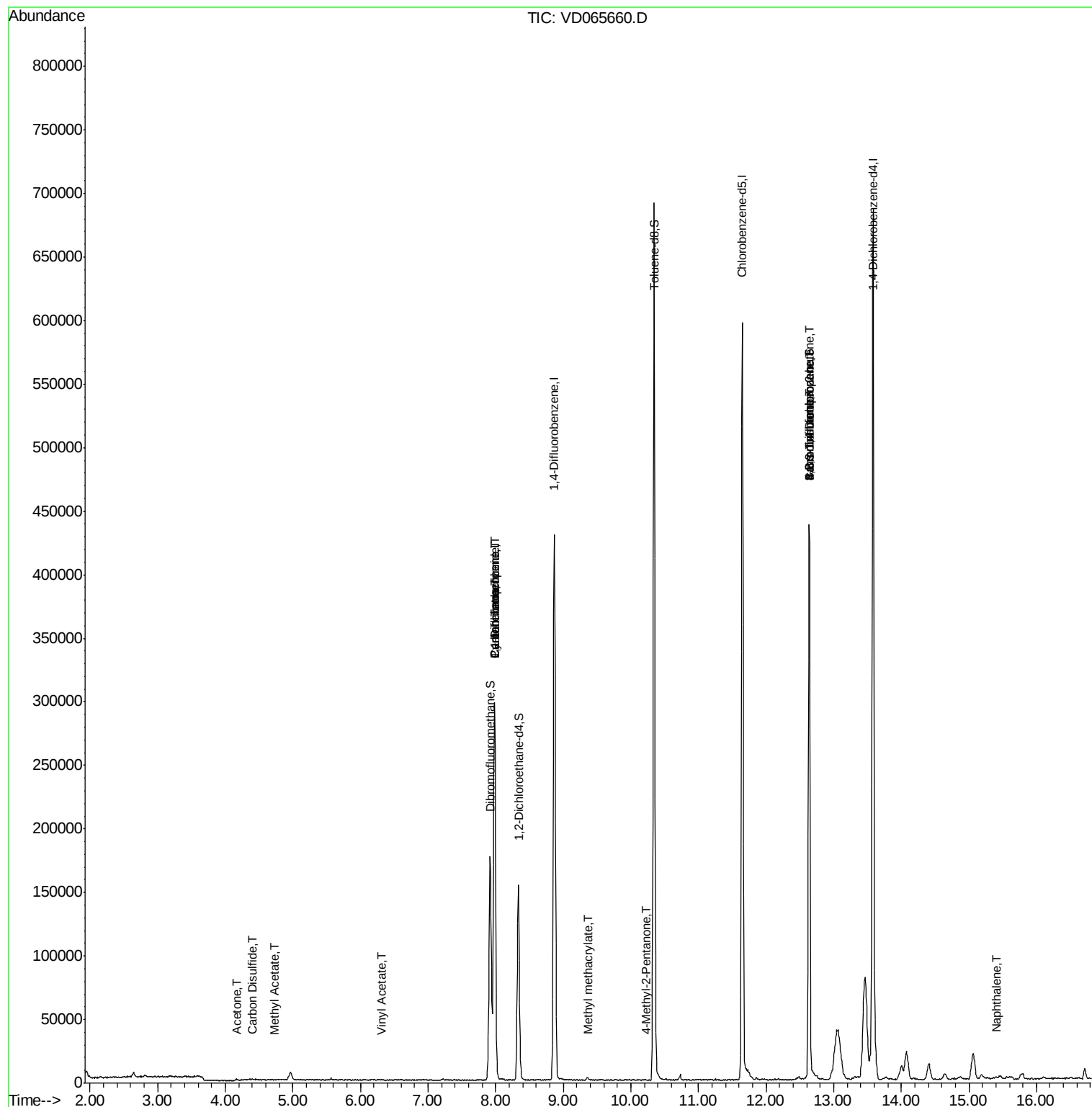
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	2190	7.783	ug/l #	83
17) Carbon Disulfide	4.41	76	683	6.115	ug/l #	75
18) Methyl Acetate	4.72	43	57	6.357	ug/l #	52
23) Vinyl Acetate	6.31	43	58	11.604	ug/l #	71
31) Cyclohexane	7.98	56	4876	1.316	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	16603	4.577	ug/l #	48
38) Carbon Tetrachloride	7.98	117	21338	5.492	ug/l #	17
48) Methyl methacrylate	9.38	41	61	1.761	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	61	9.717	ug/l #	36
76) 1,2,3-Trichloropropane	12.64	75	68869	45.449	ug/l #	100
77) Bromobenzene	12.64	156	4253	1.409	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	68869	99.607	ug/l #	11
95) Naphthalene	15.41	128	2084	4.425	ug/l #	90

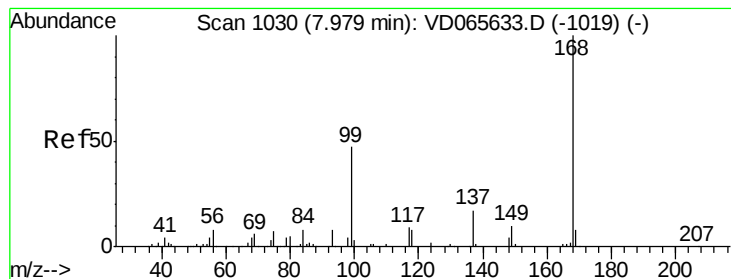
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-22-(1.5-2.5)

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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: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

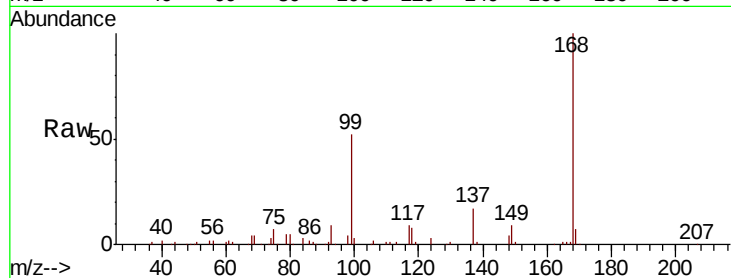
TP-22-(1.5-2.5)

Tot Ion:168 Resp: 231276

Ion Ratio Lower Upper

168 100

99 51.5 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

120000

100000

80000

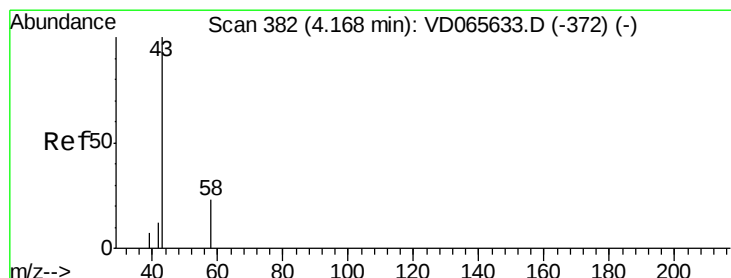
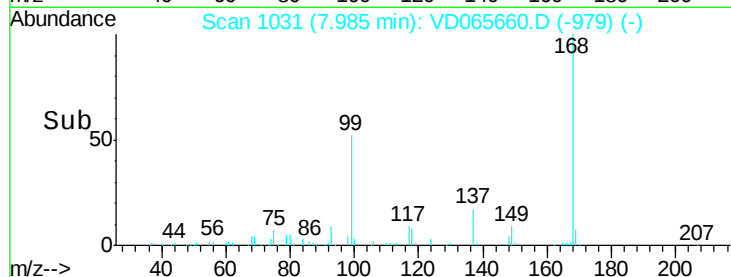
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 7.783 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065660.D

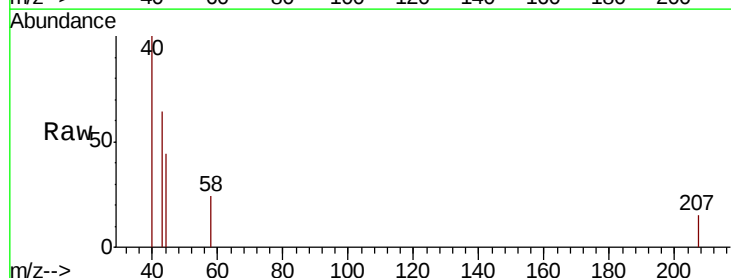
Acq: 17 Apr 2020 22:39

Tgt Ion: 43 Resp: 2190

Ion Ratio Lower Upper

43 100

58 37.5 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

800

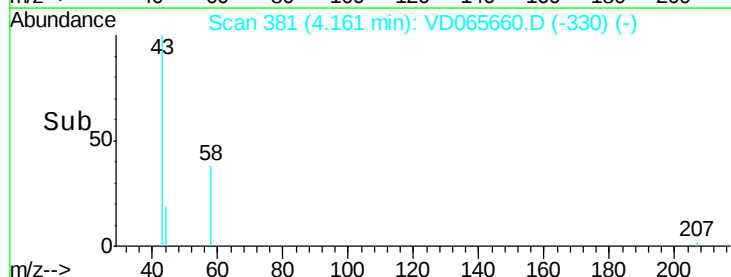
600

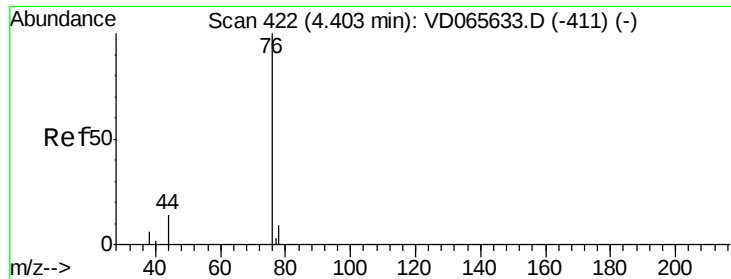
400

200

0

Time-->

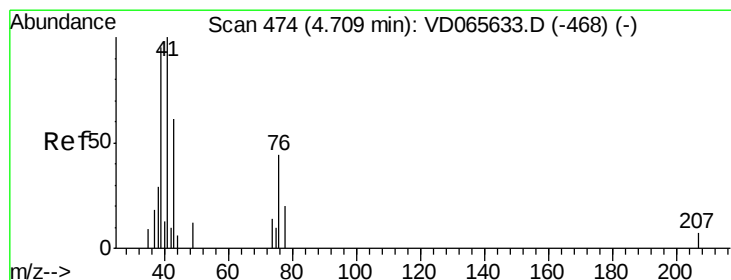
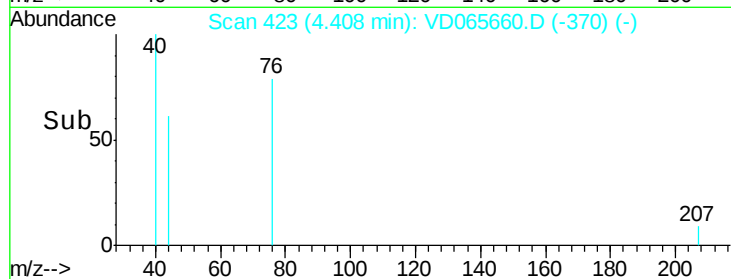
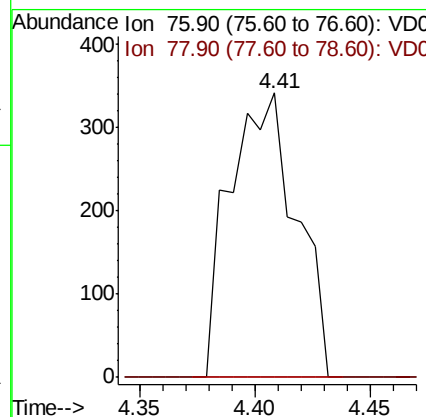
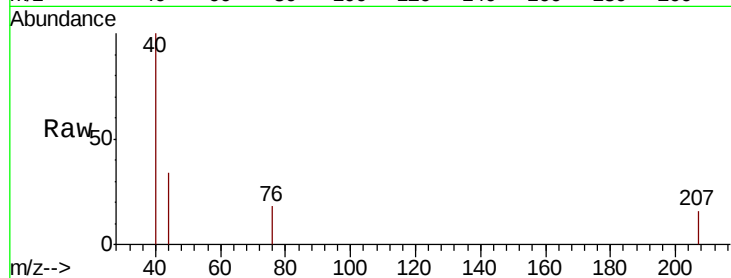




#17
Carbon Disulfide
Concen: 6.115 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD065660.D
Acq: 17 Apr 2020 22:39

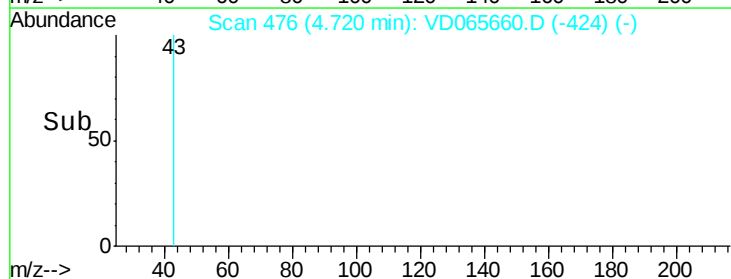
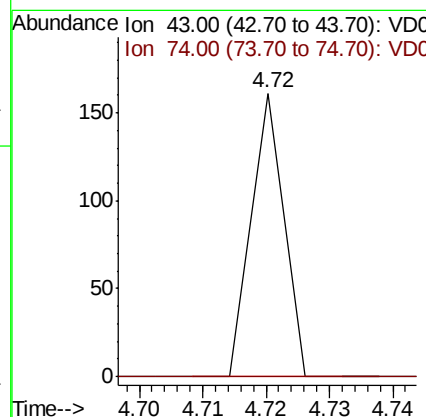
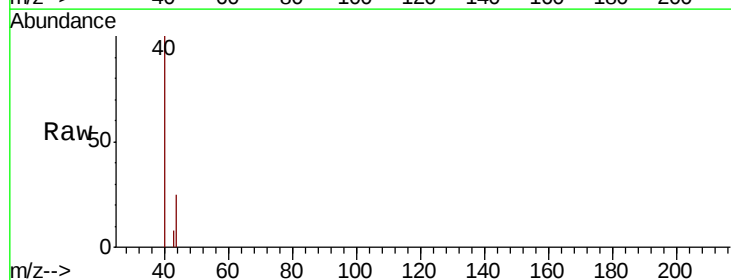
Instrument :
MSVOA_D
ClientSampleId :
TP-22-(1.5-2.5)

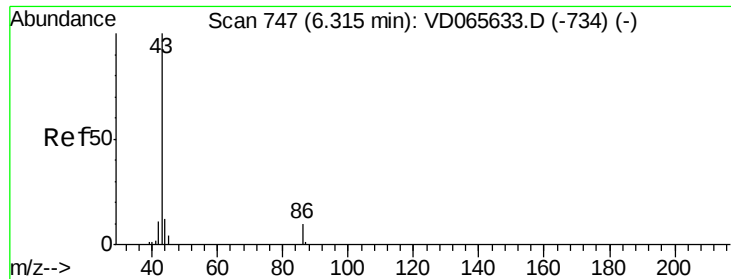
Tot Ion: 76 Resp: 683
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 6.357 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065660.D
Acq: 17 Apr 2020 22:39

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#





#23

Vinyl Acetate

Concen: 11.604 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

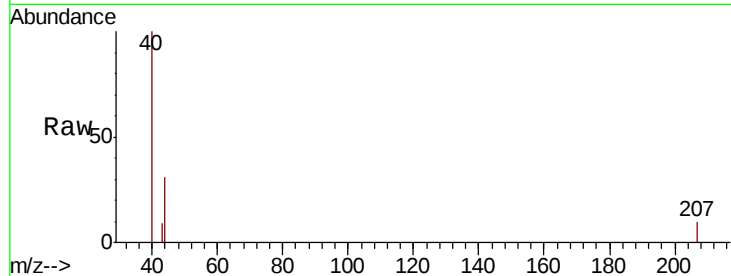
TP-22-(1.5-2.5)

Tot Ion: 43 Resp: 58

Ion Ratio Lower Upper

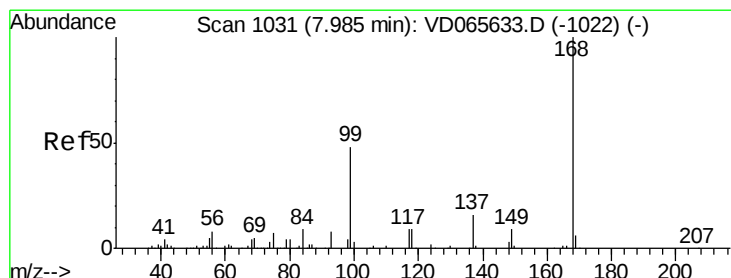
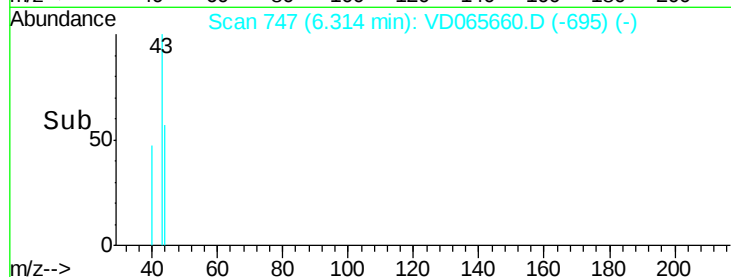
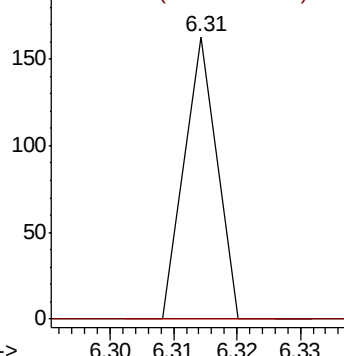
43 100

86 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

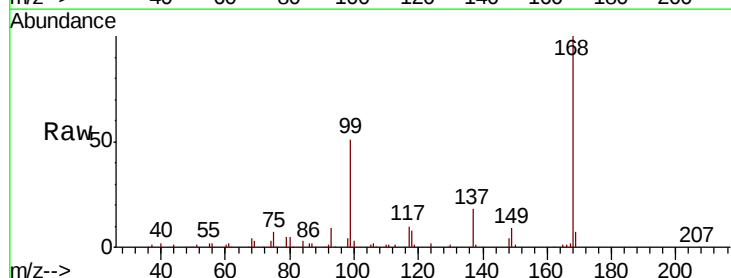
Tgt Ion: 56 Resp: 4876

Ion Ratio Lower Upper

56 100

69 159.5 26.6 40.0#

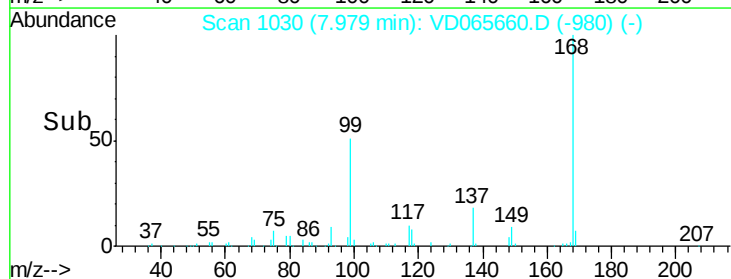
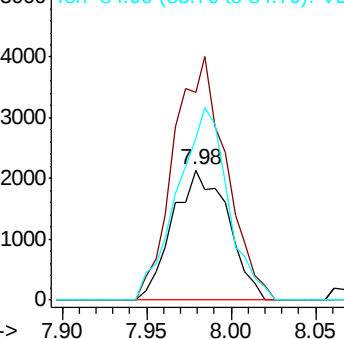
84 124.9 75.3 112.9#

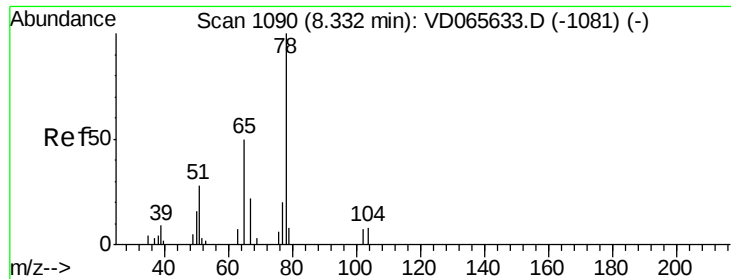


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

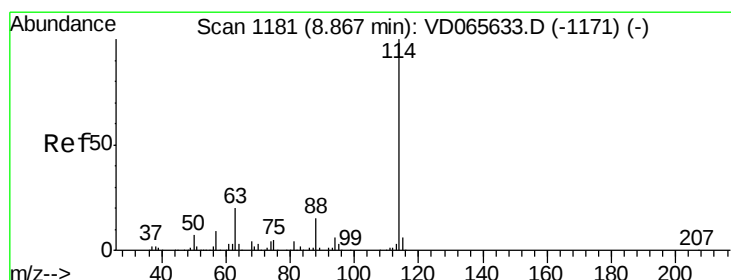
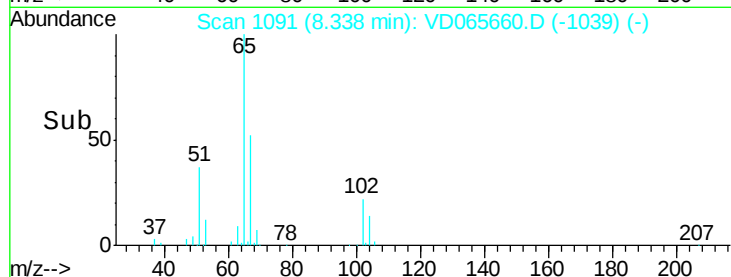
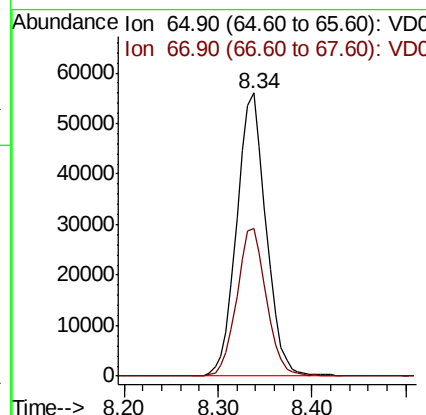
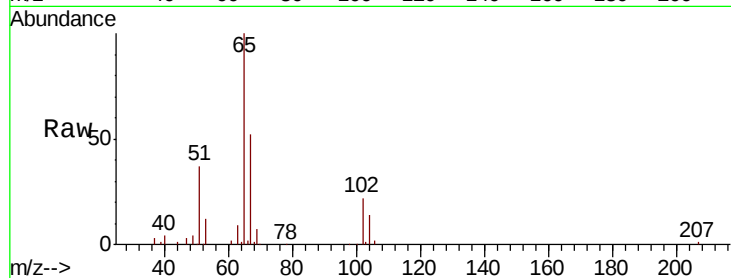




#33
 1,2-Dichloroethane-d4
 Concen: 61.789 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065660.D
 Acq: 17 Apr 2020 22:39

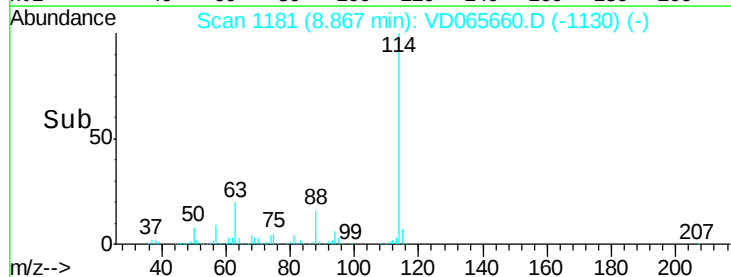
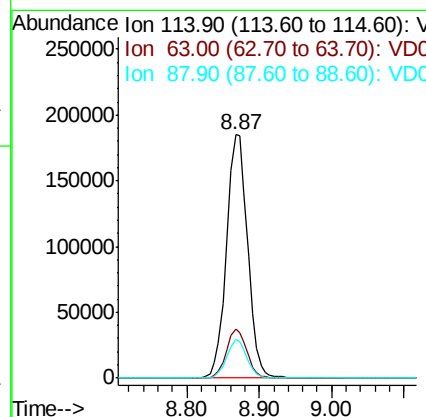
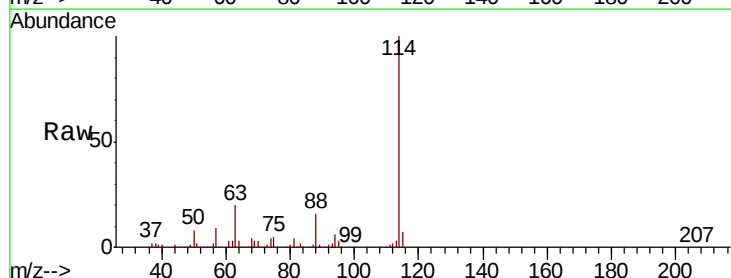
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22-(1.5-2.5)

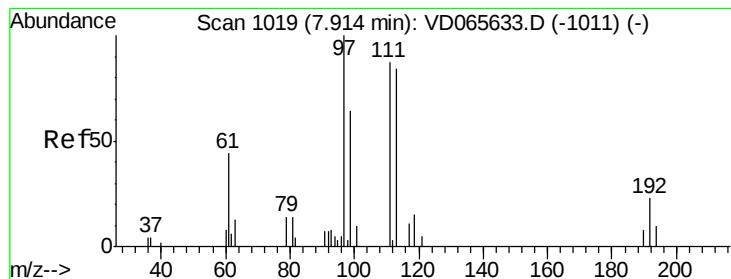
Tot Ion: 65 Resp: 121566
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065660.D
 Acq: 17 Apr 2020 22:39

Tgt Ion: 114 Resp: 375645
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.941 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)

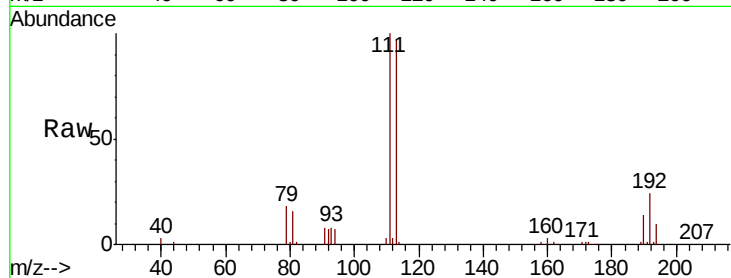
Tot Ion:113 Resp: 126110

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

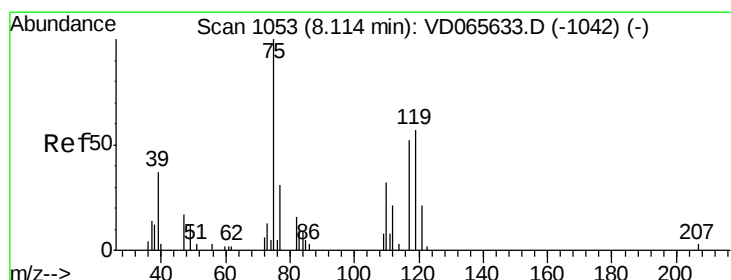
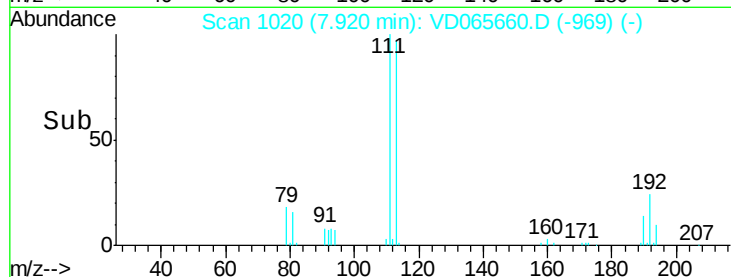
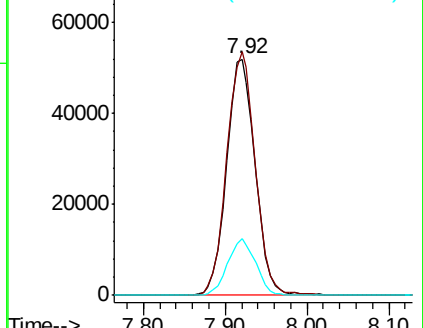
192 23.6 18.9 28.3



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: 4.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

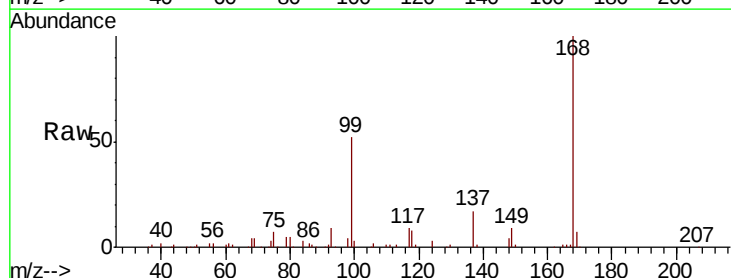
Tgt Ion: 75 Resp: 16603

Ion Ratio Lower Upper

75 100

110 7.5 18.3 54.8#

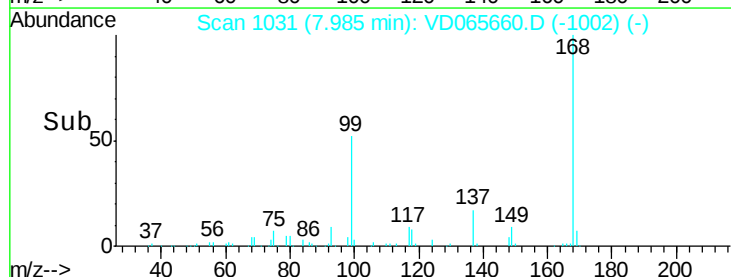
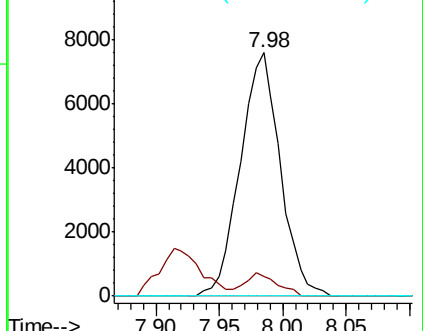
77 0.0 24.6 37.0#

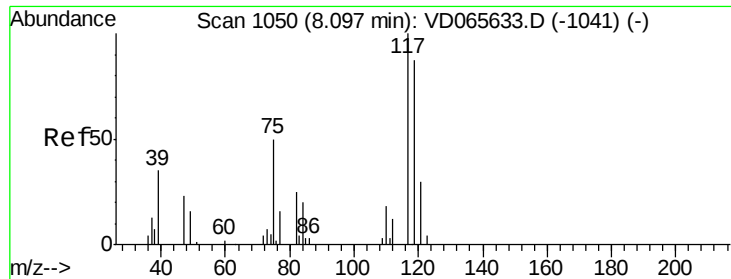


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)

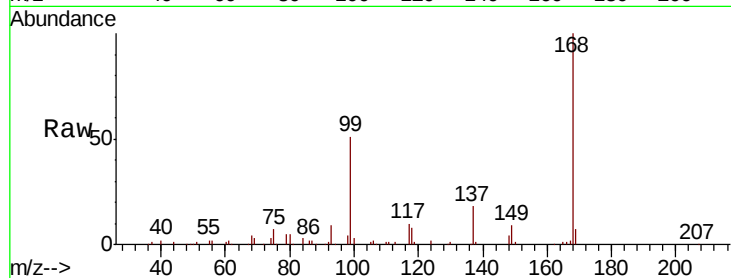
Tot Ion:117 Resp: 21338

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

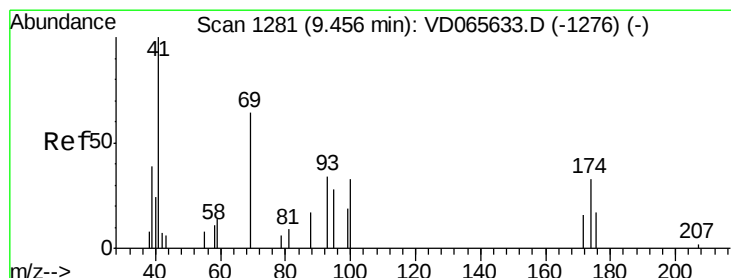
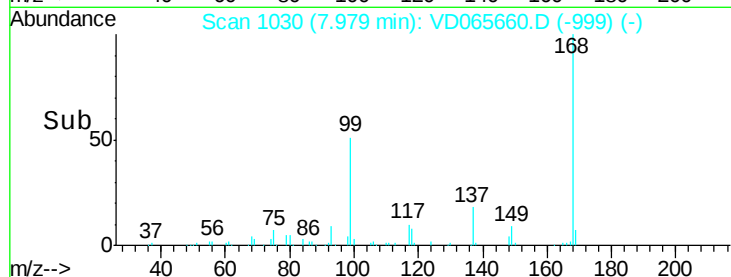
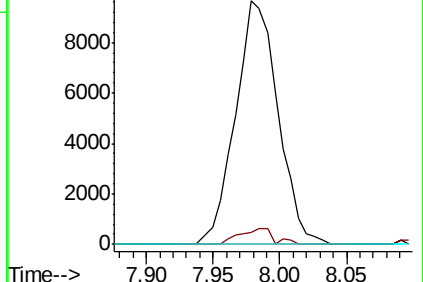
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 1.761 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.08 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

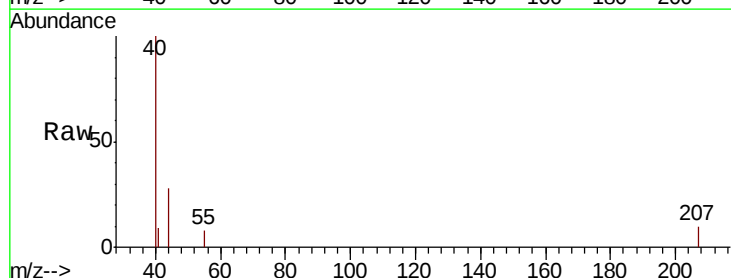
Tgt Ion: 41 Resp: 61

Ion Ratio Lower Upper

41 100

69 0.0 66.8 100.2#

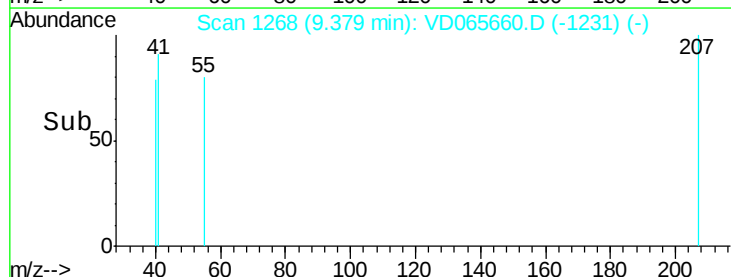
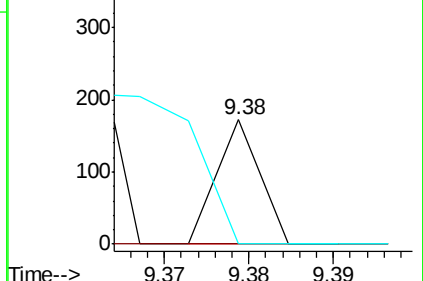
39 0.0 39.6 59.4#

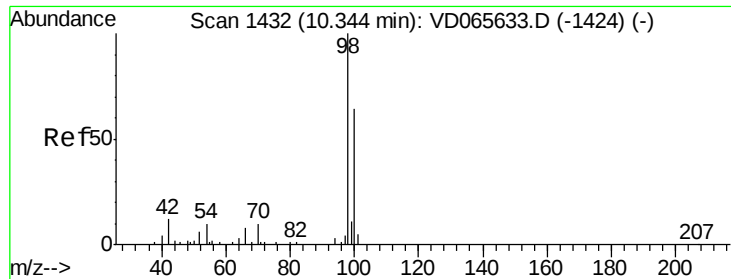


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#50

Toluene-d8

Concen: 52.933 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

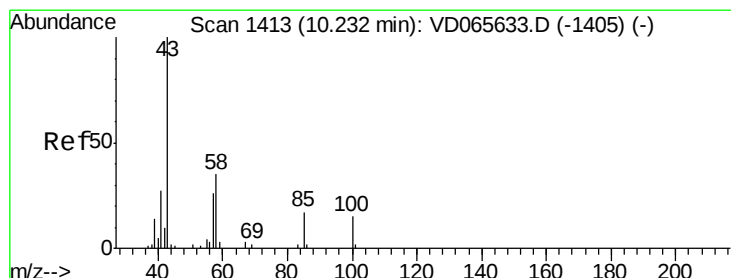
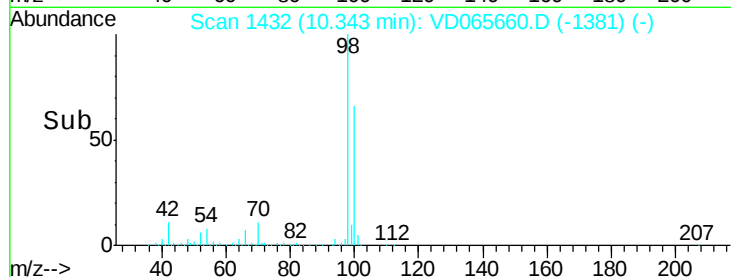
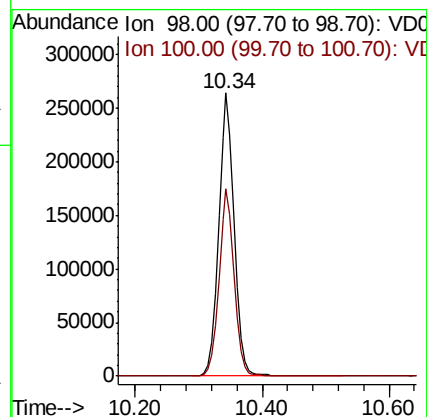
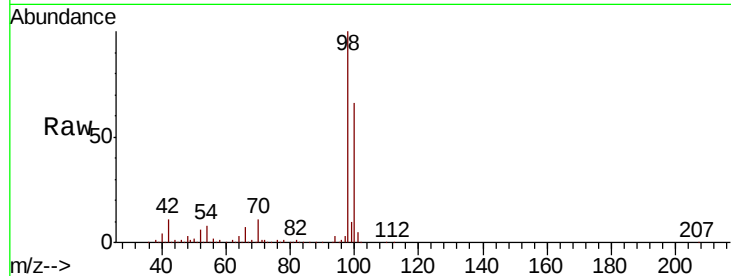
TP-22-(1.5-2.5)

Tot Ion: 98 Resp: 456200

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 9.717 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065660.D

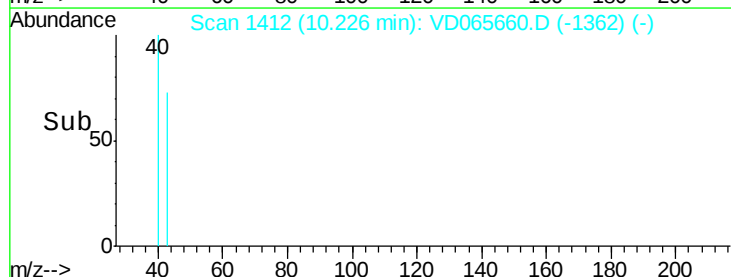
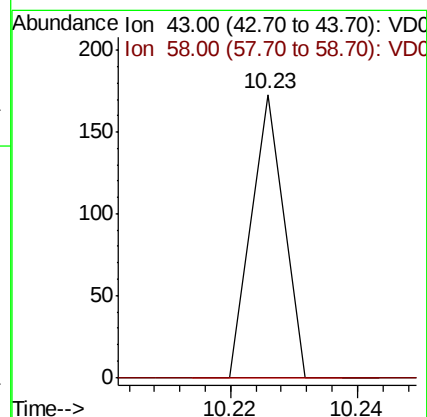
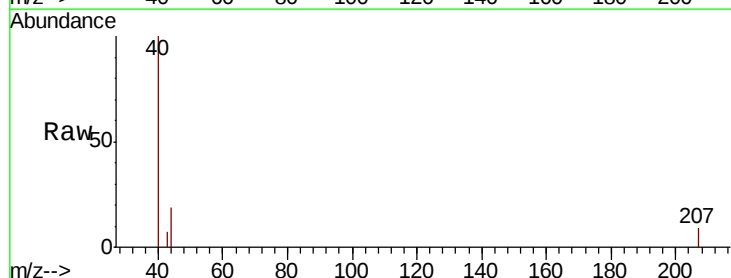
Acq: 17 Apr 2020 22:39

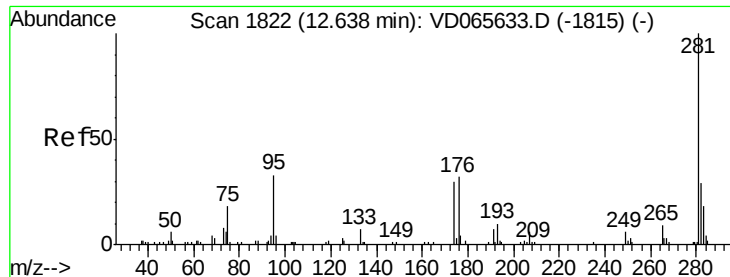
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.190 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)

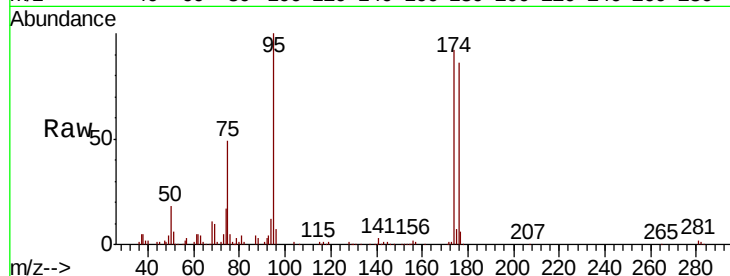
Tot Ion: 95 Resp: 135329

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.8

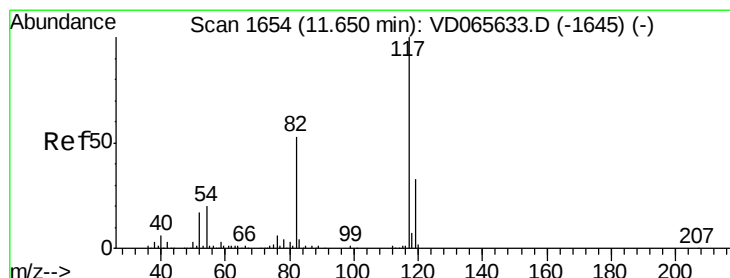
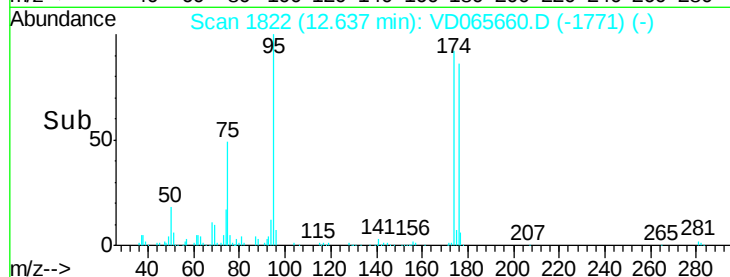
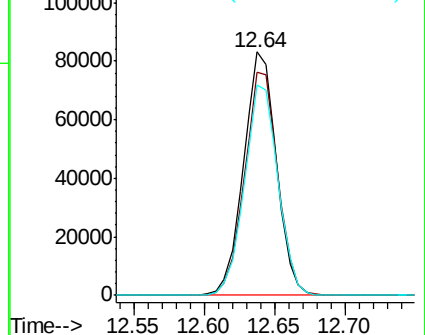
176 88.4 0.0 181.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

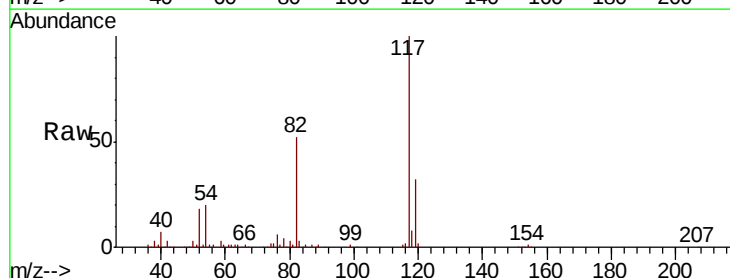
Tgt Ion: 117 Resp: 348057

Ion Ratio Lower Upper

117 100

82 52.4 43.2 64.8

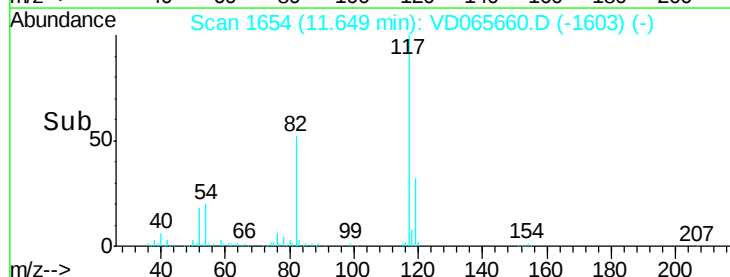
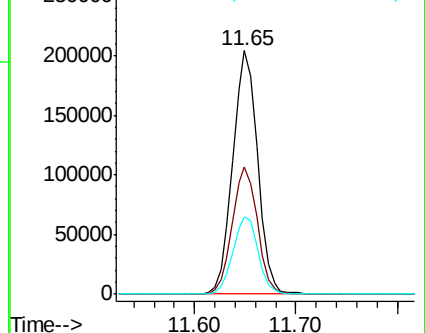
119 31.8 26.2 39.4

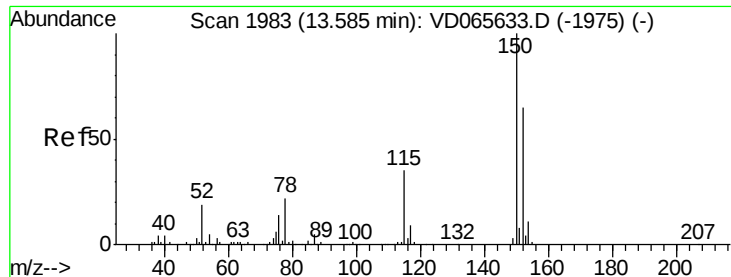


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)

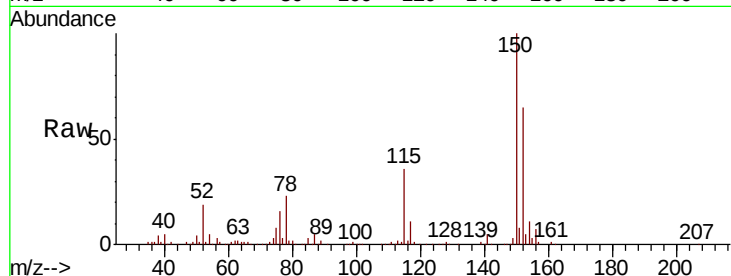
Tot Ion:152 Resp: 188464

Ion Ratio Lower Upper

152 100

115 57.3 27.6 82.7

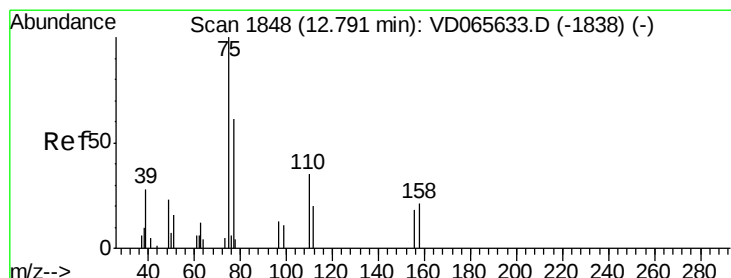
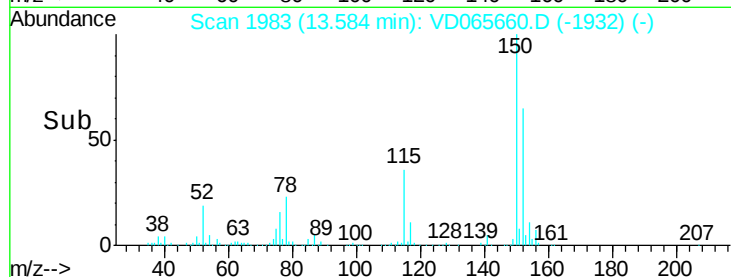
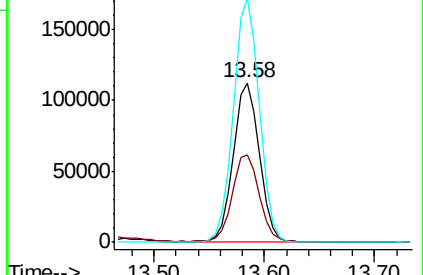
150 150.6 0.0 346.0



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: 45.449 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065660.D

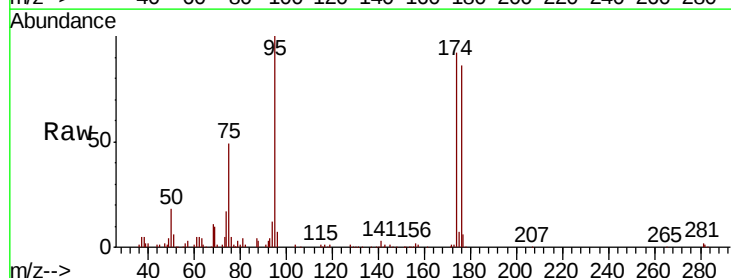
Acq: 17 Apr 2020 22:39

Tgt Ion: 75 Resp: 68869

Ion Ratio Lower Upper

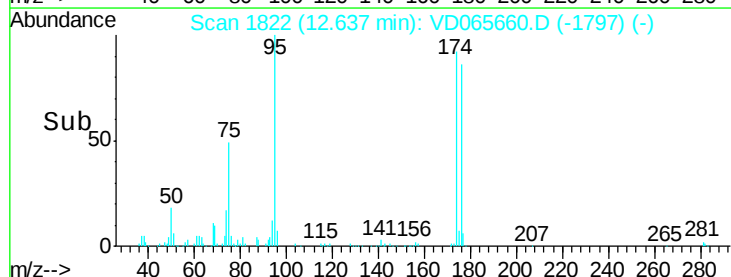
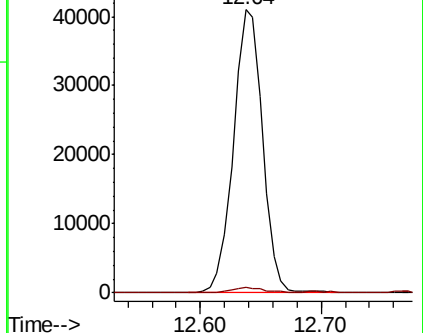
75 100

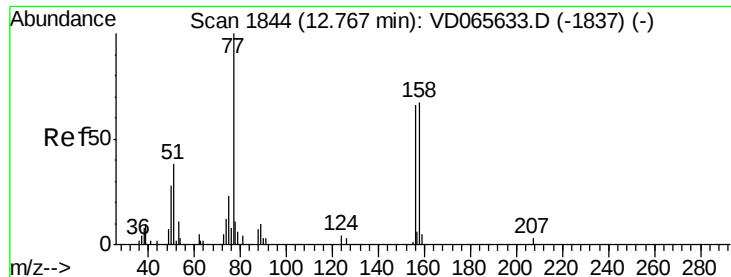
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 1.409 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.13 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)

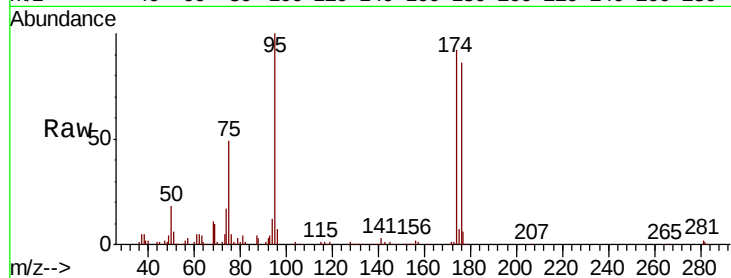
Tot Ion:156 Resp: 4253

Ion Ratio Lower Upper

156 100

77 33.4 84.7 254.1#

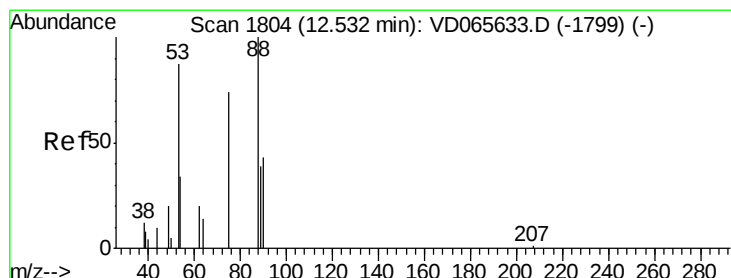
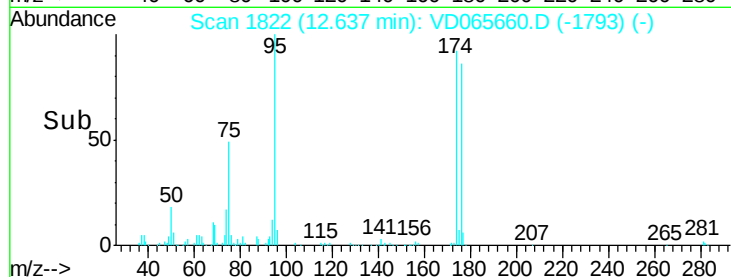
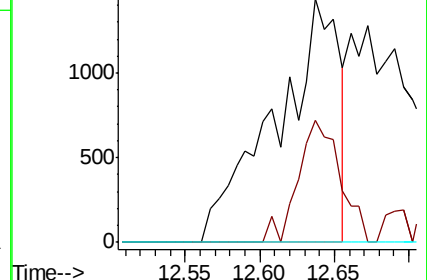
158 0.0 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.607 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065660.D

Acq: 17 Apr 2020 22:39

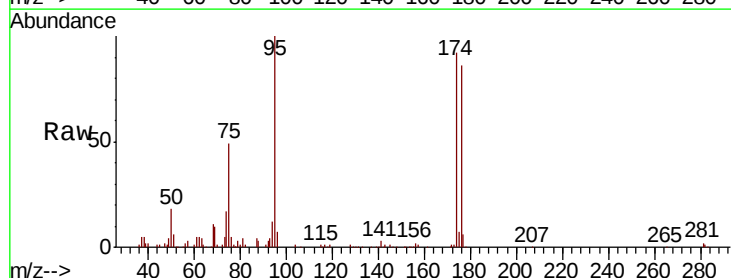
Tgt Ion: 75 Resp: 68869

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

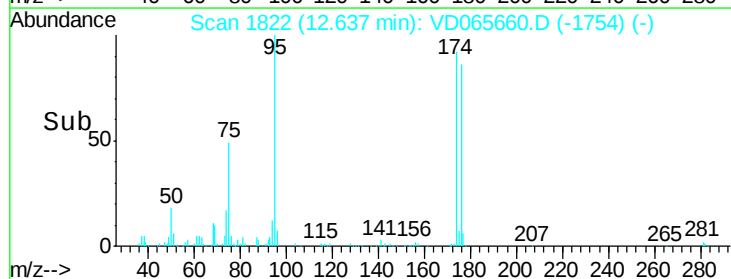
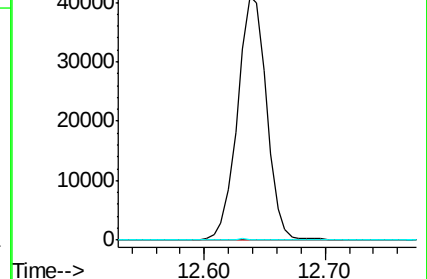
89 0.1 36.1 54.1#

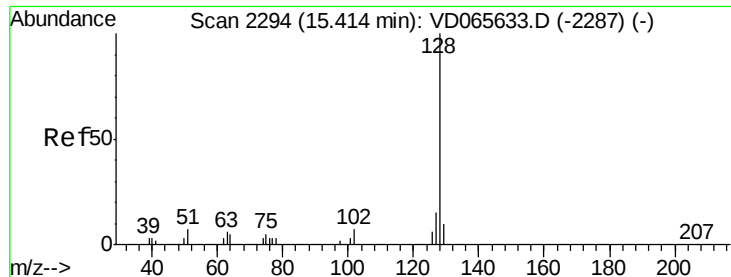


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.425 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065660.D

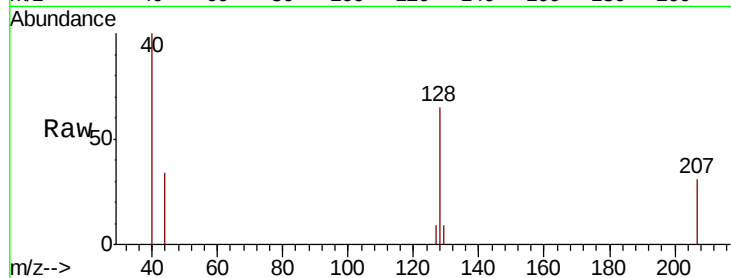
Acq: 17 Apr 2020 22:39

Instrument :

MSVOA_D

ClientSampleId :

TP-22-(1.5-2.5)



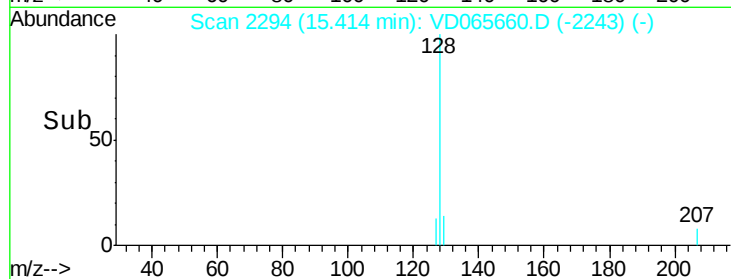
Tot Ion:128 Resp: 2084

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 3.0 8.8 13.2#



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

