

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065626.D
 Acq On : 13 Apr 2020 19:38
 Operator : VA/SY
 Sample : L2230-07
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Apr 14 02:14:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	398677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	811900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	848543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	242454	64.30	ug/l	0.00
Spiked Amount			Recovery	=	128.60%	
35) Dibromofluoromethane	7.92	113	285300	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.34	98	1042105	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.64	95	356845	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	

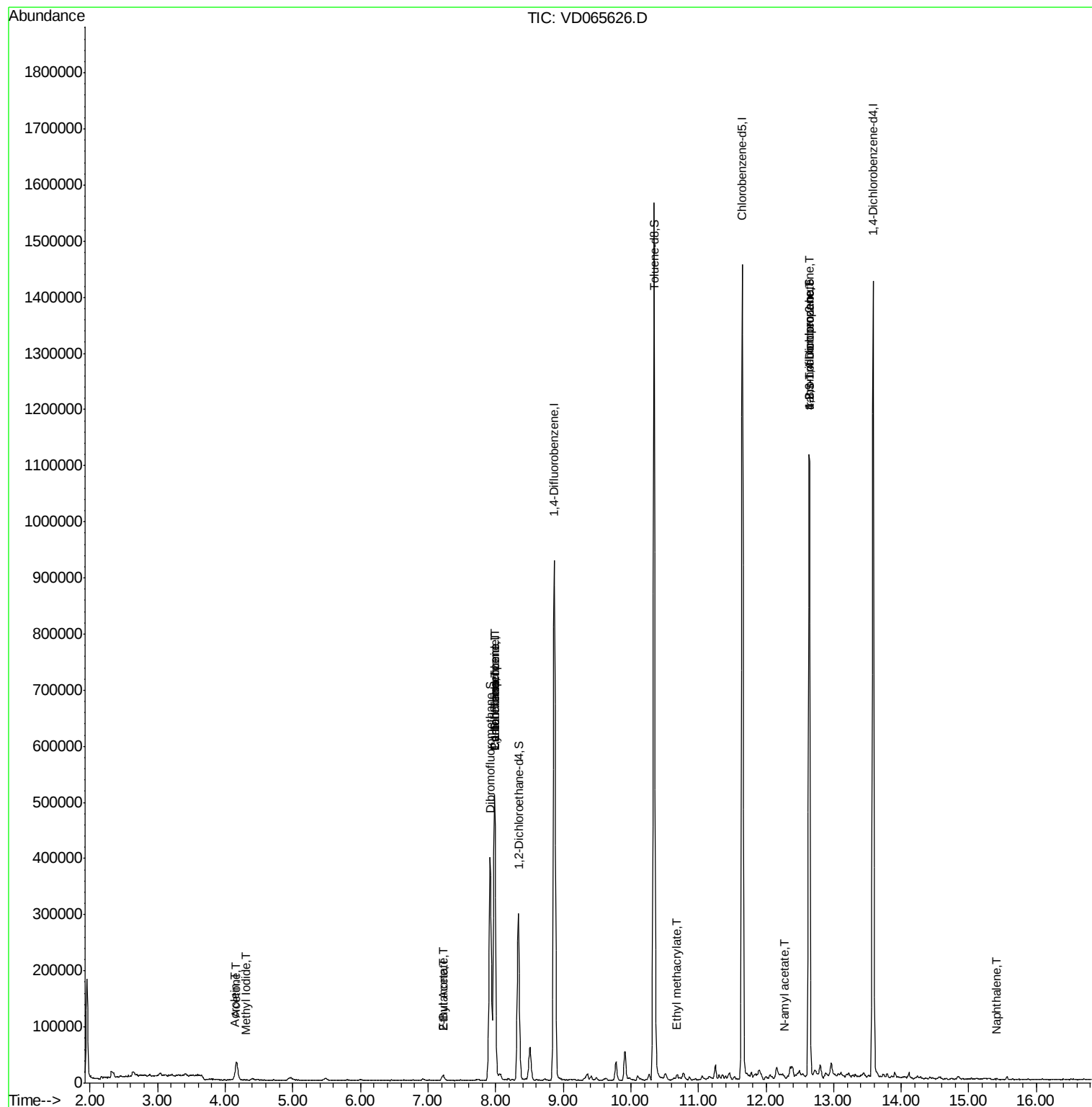
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	132	2.606	ug/l #	41
13) Acrolein	4.14	56	333	1.260	ug/l #	58
16) Acetone	4.16	43	58047	85.255	ug/l	99
25) 2-Butanone	7.23	43	15536	16.671	ug/l	92
31) Cyclohexane	7.98	56	8638	1.284	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	27424	3.281	ug/l #	48
37) Ethyl Acetate	7.23	43	15536	5.006	ug/l #	70
38) Carbon Tetrachloride	7.98	117	36122	3.980	ug/l #	14
56) Ethyl methacrylate	10.67	69	1324	3.549	ug/l #	25
74) N-amyl acetate	12.27	43	1172	3.127	ug/l #	71
76) 1,2,3-Trichloropropane	12.64	75	176798	55.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	176798	129.618	ug/l #	13
95) Naphthalene	15.41	128	1909	4.128	ug/l	98

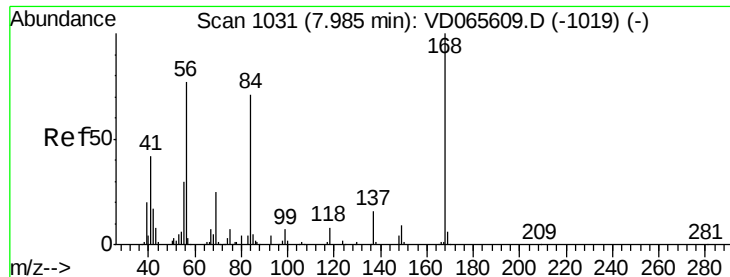
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

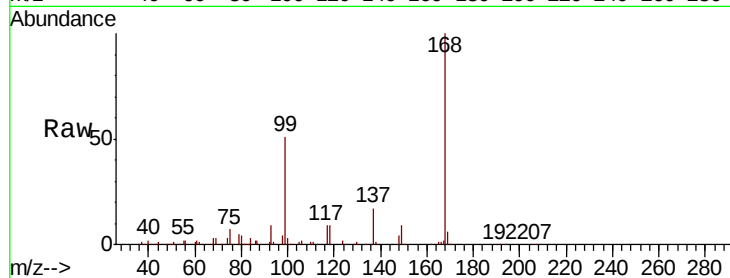
TP-4

Tot Ion:168 Resp: 398677

Ion Ratio Lower Upper

168 100

99 50.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

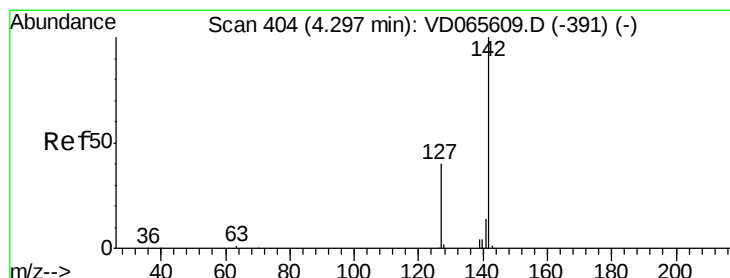
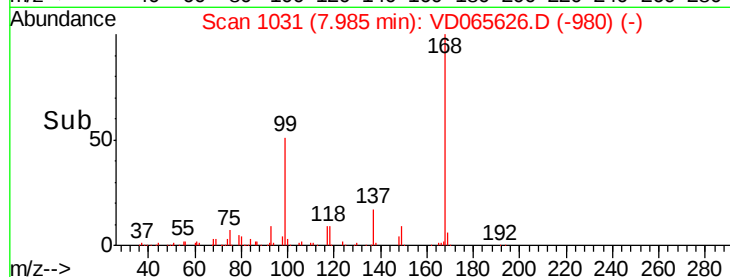
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.606 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

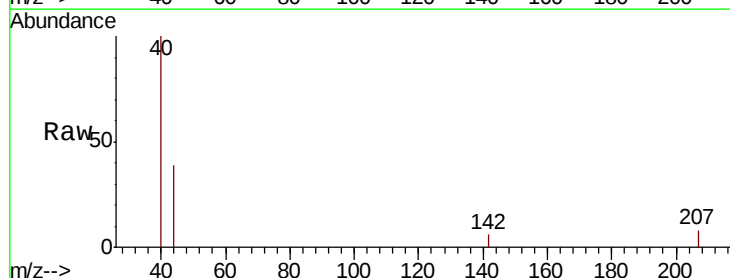
Tgt Ion:142 Resp: 132

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

250

200

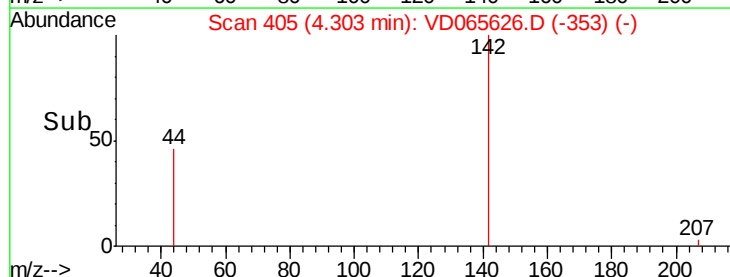
150

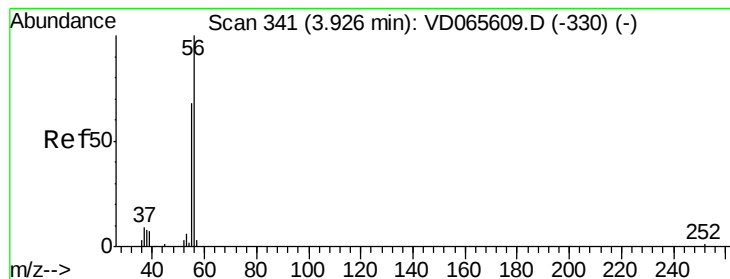
100

50

0

Time-->





#13

Acrolein

Concen: 1.260 ug/l

RT: 4.14 min Scan# 377

Delta R.T. 0.21 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

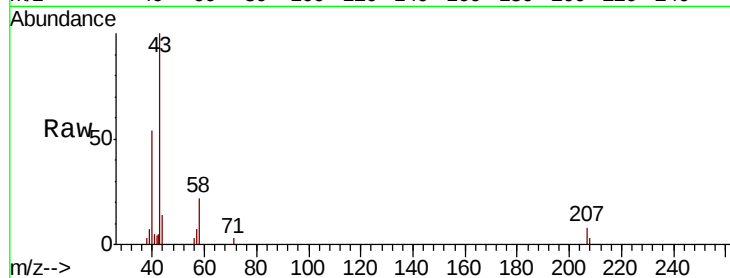
TP-4

Tot Ion: 56 Resp: 333

Ion Ratio Lower Upper

56 100

55 36.9 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

250

200

150

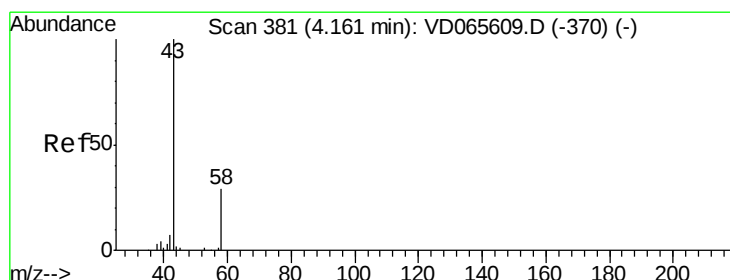
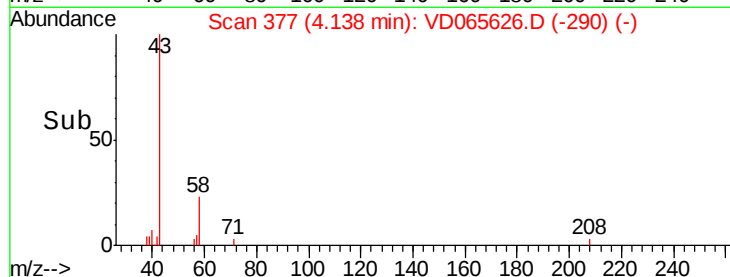
100

50

0

4.10 4.12 4.14 4.16

Time-->



#16

Acetone

Concen: 85.255 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065626.D

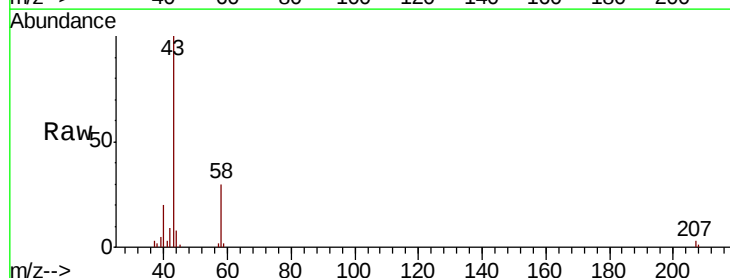
Acq: 13 Apr 2020 19:38

Tgt Ion: 43 Resp: 58047

Ion Ratio Lower Upper

43 100

58 29.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

20000

15000

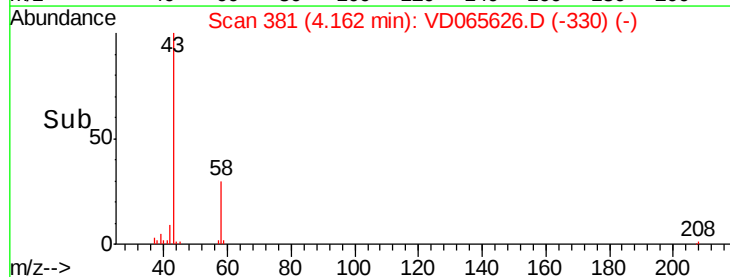
10000

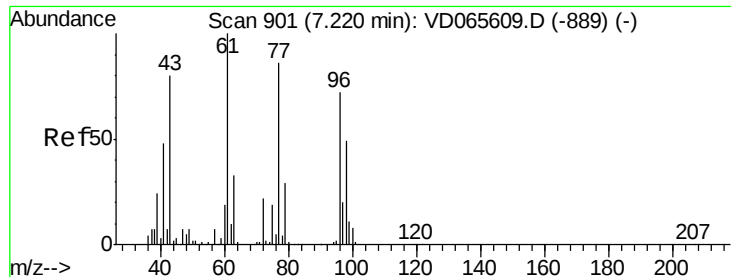
5000

0

4.10 4.12 4.14 4.16

Time-->





#25

2-Butanone

Concen: 16.671 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

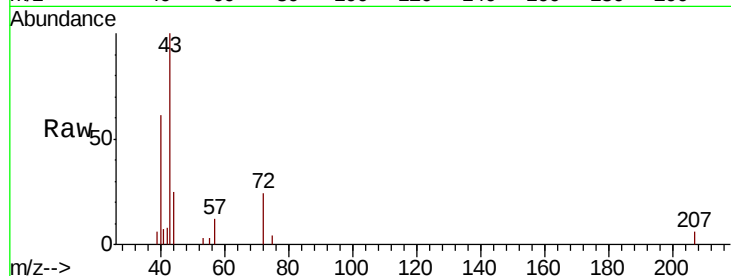
TP-4

Tot Ion: 43 Resp: 15536

Ion Ratio Lower Upper

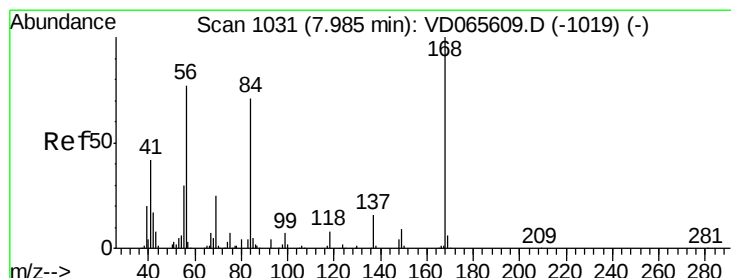
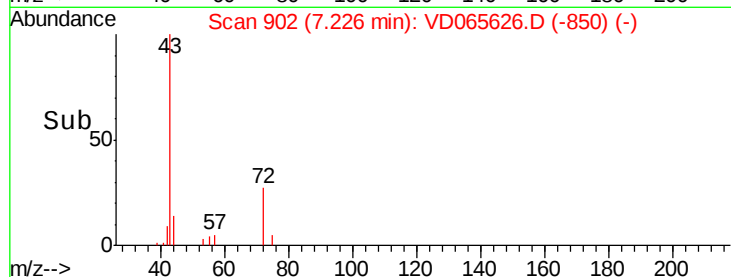
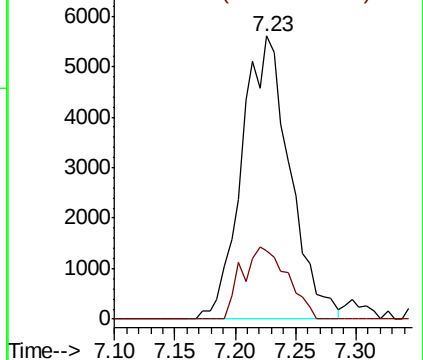
43 100

72 24.0 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

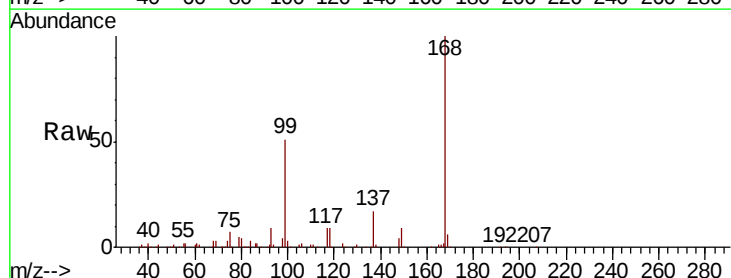
Tgt Ion: 56 Resp: 8638

Ion Ratio Lower Upper

56 100

69 157.8 26.2 39.4#

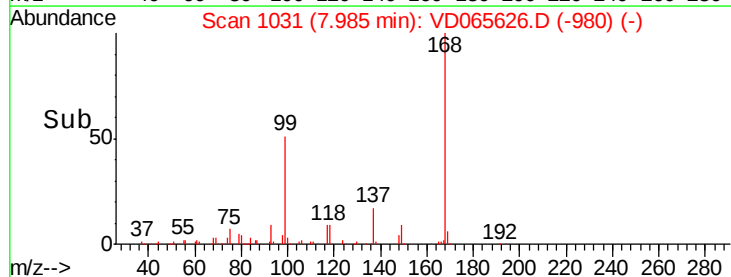
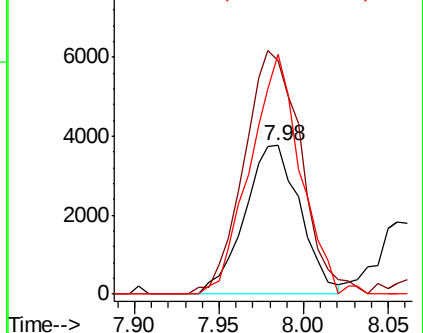
84 161.5 73.7 110.5#

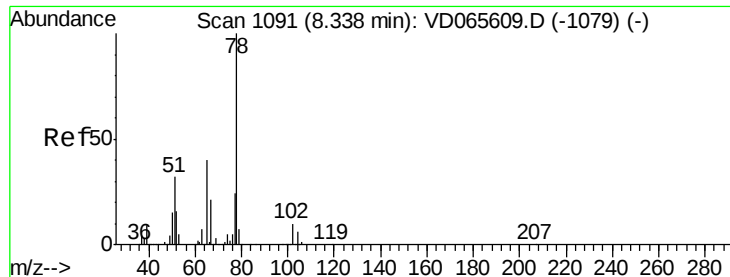


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

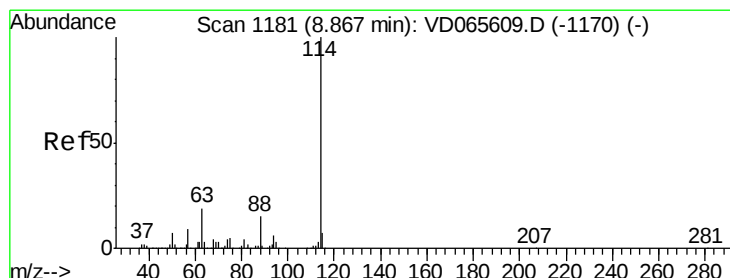
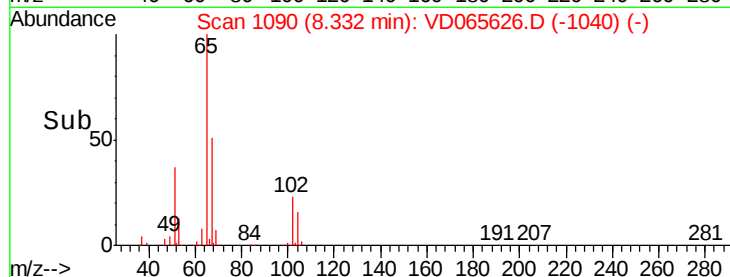
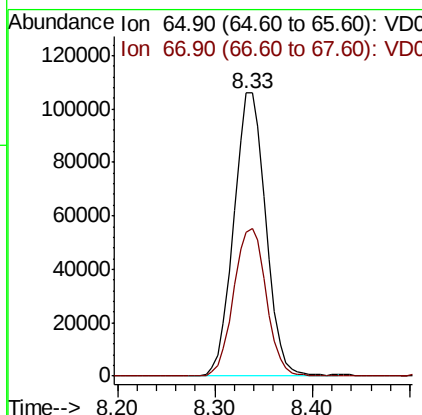
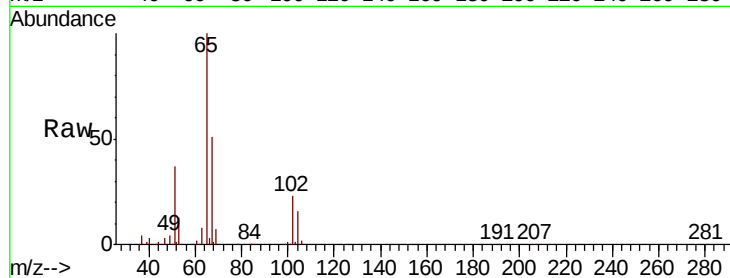




#33
 1,2-Dichloroethane-d4
 Concen: 64.303 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065626.D
 Acq: 13 Apr 2020 19:38

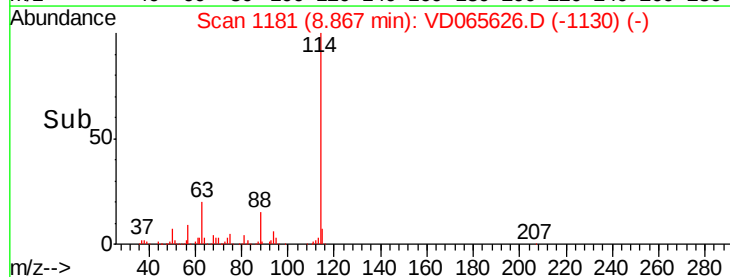
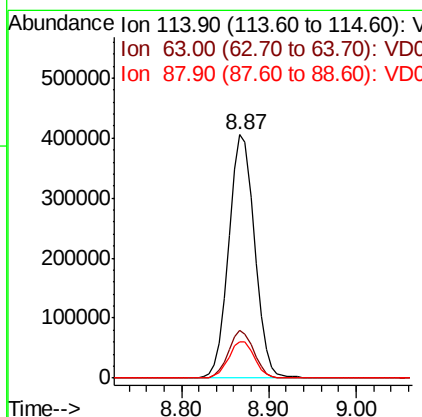
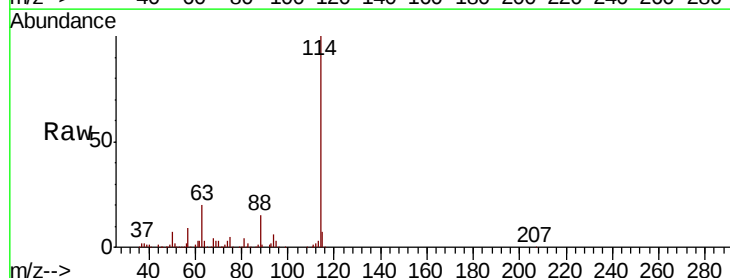
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

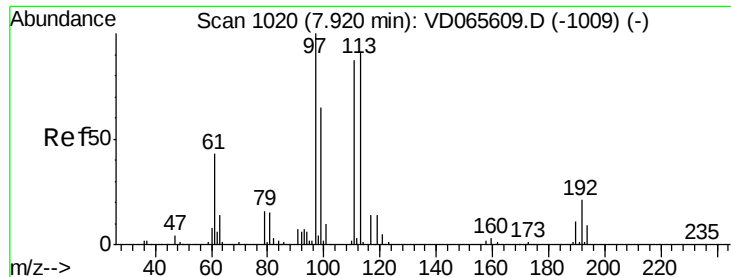
Tot Ion: 65 Resp: 242454
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065626.D
 Acq: 13 Apr 2020 19:38

Tgt Ion: 114 Resp: 811900
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.2
 88 14.9 0.0 29.6

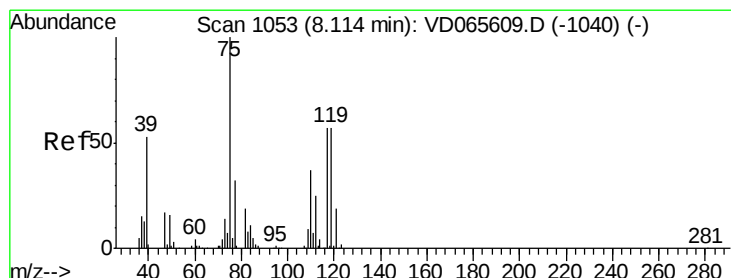
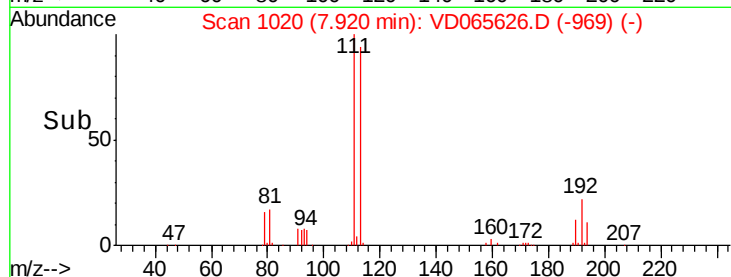
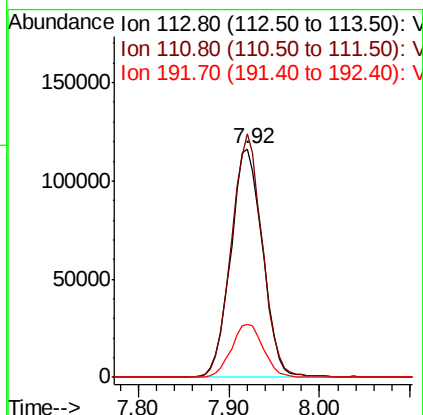
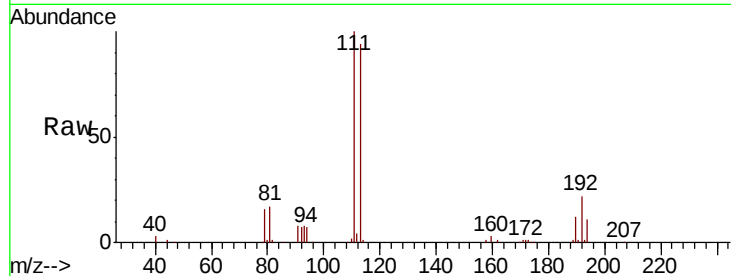




#35
 Dibromofluoromethane
 Concen: 50.298 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065626.D
 Acq: 13 Apr 2020 19:38

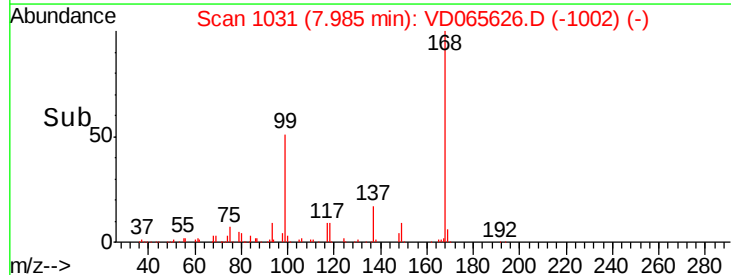
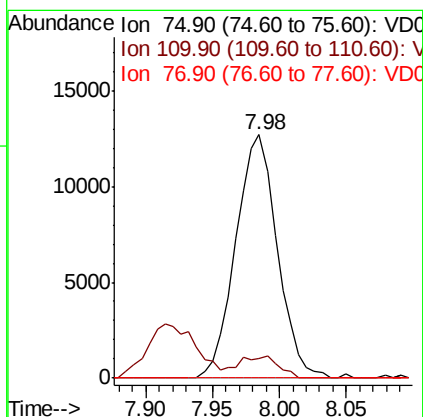
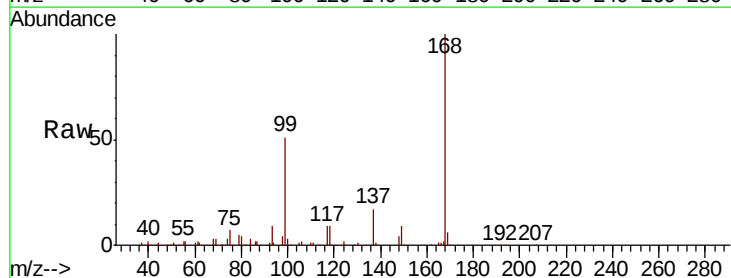
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

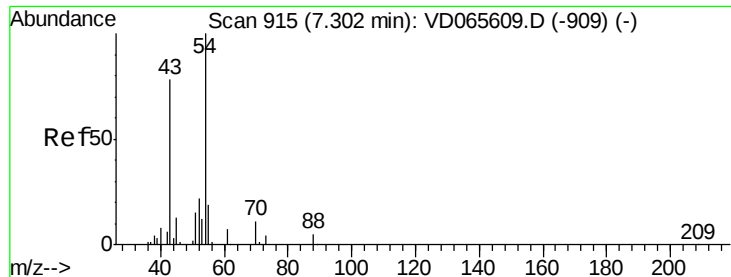
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	120.8
192	23.1	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 3.281 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065626.D
 Acq: 13 Apr 2020 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	25.0	37.6#

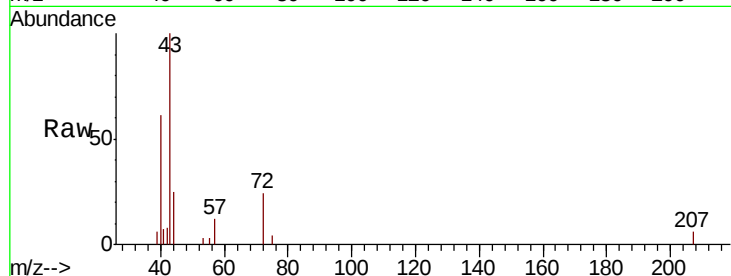




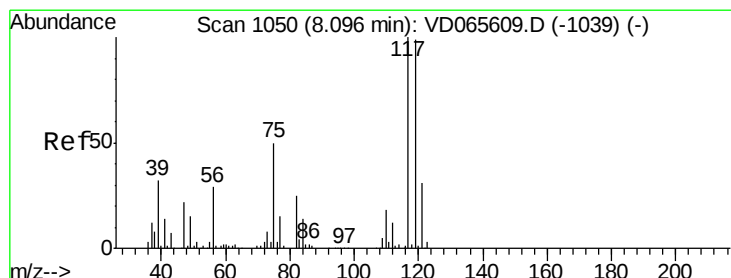
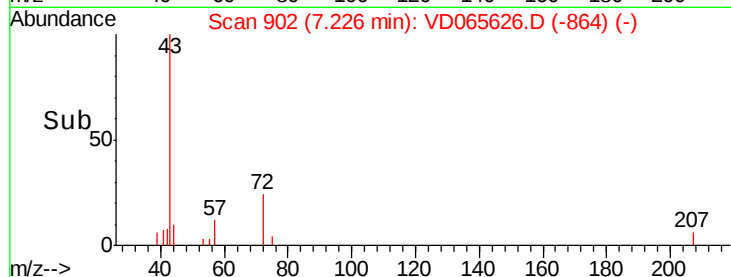
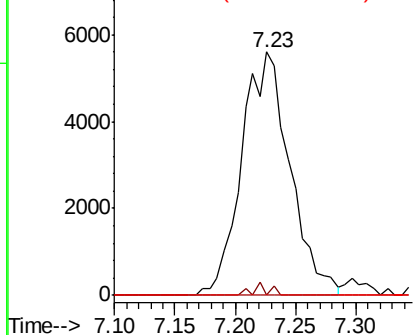
#37
Ethyl Acetate
Concen: 5.006 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD065626.D
Acq: 13 Apr 2020 19:38

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion: 43 Resp: 15536
Ion Ratio Lower Upper
43 100
61 1.6 11.3 16.9#
70 0.0 8.6 13.0#

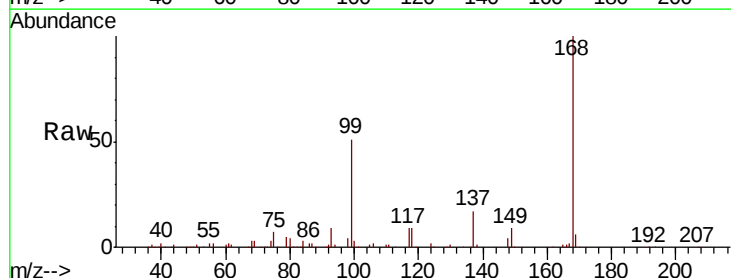


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

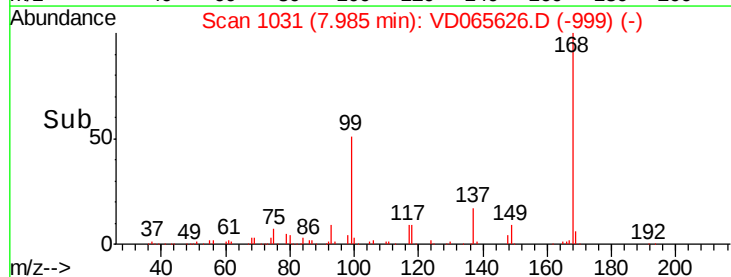
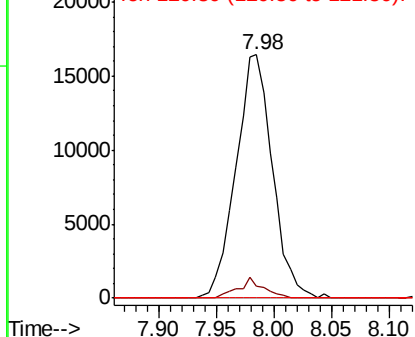


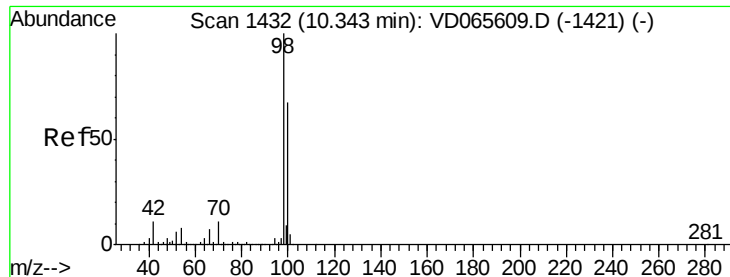
#38
Carbon Tetrachloride
Concen: 3.980 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065626.D
Acq: 13 Apr 2020 19:38

Tgt Ion: 117 Resp: 36122
Ion Ratio Lower Upper
117 100
119 4.7 78.9 118.3#
121 0.0 24.6 37.0#



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

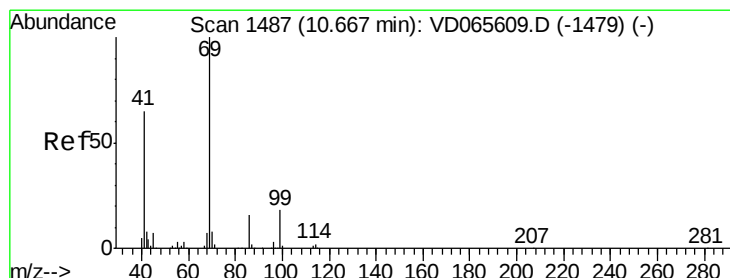
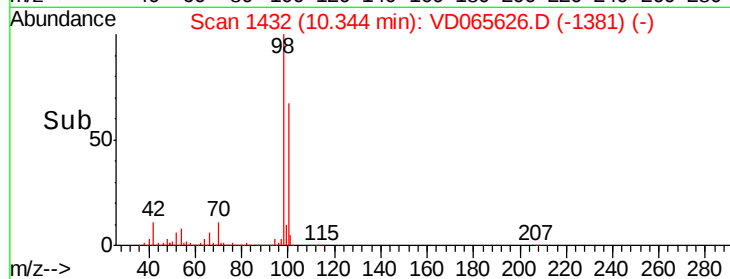
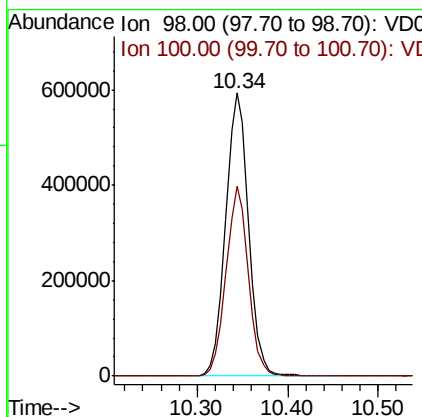
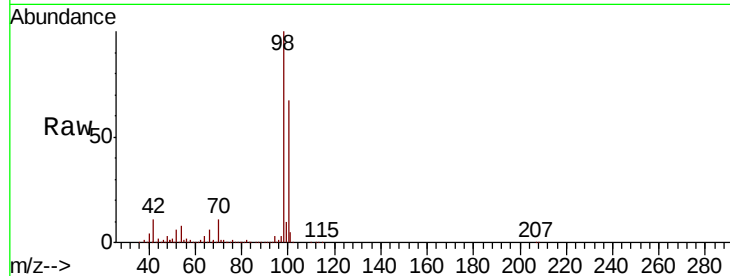




#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065626.D
Acq: 13 Apr 2020 19:38

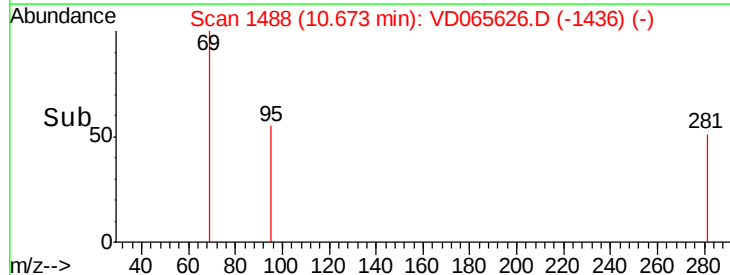
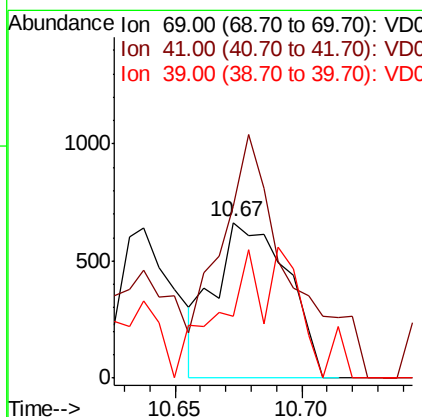
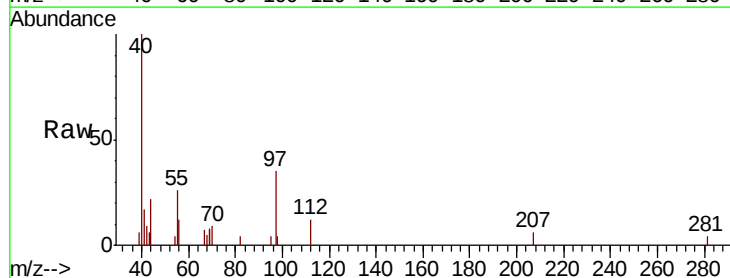
Instrument :
MSVOA_D
ClientSampleId :
TP-4

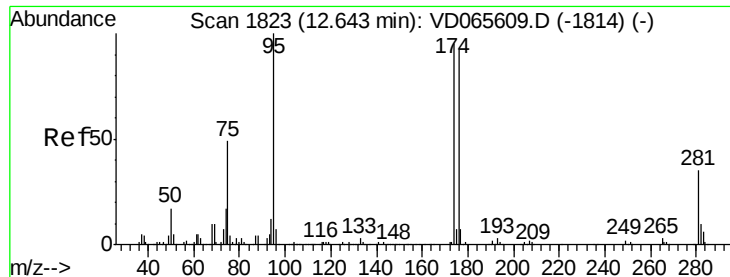
Tot Ion: 98 Resp: 1042105
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0



#56
Ethyl methacrylate
Concen: 3.549 ug/l
RT: 10.67 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VD065626.D
Acq: 13 Apr 2020 19:38

Tgt Ion: 69 Resp: 1324
Ion Ratio Lower Upper
69 100
41 148.6 54.4 81.6#
39 47.3 26.5 39.7#





#62

4-Bromofluorobenzene

Concen: 53.612 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

TP-4

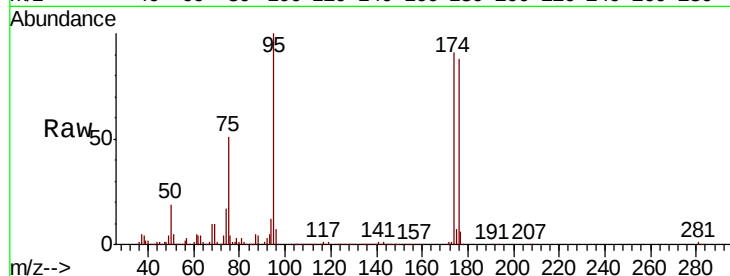
Tot Ion: 95 Resp: 356845

Ion Ratio Lower Upper

95 100

174 94.5 0.0 182.8

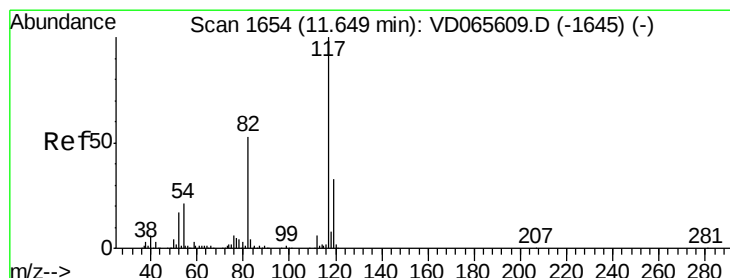
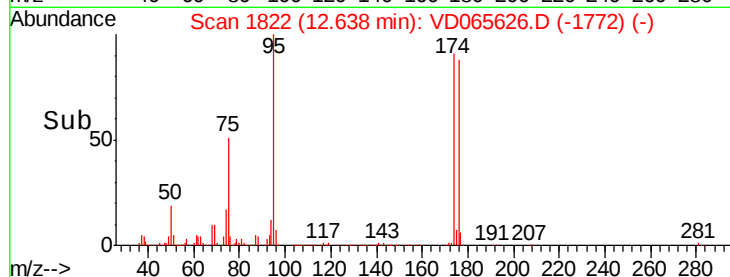
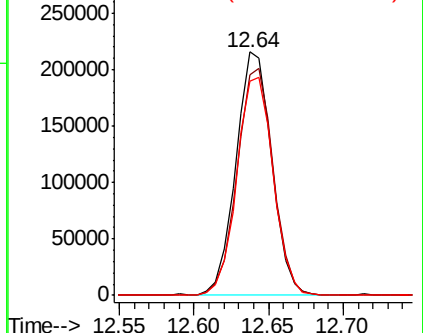
176 91.4 0.0 176.6



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: VD065626.D

Acq: 13 Apr 2020 19:38

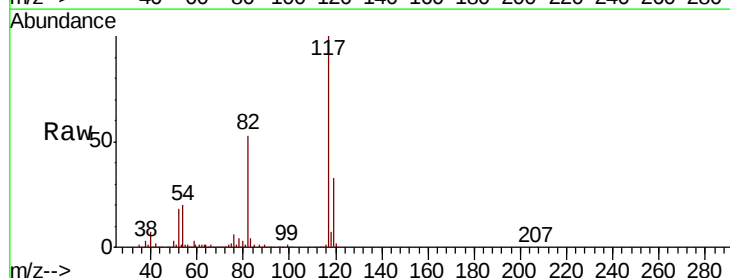
Tgt Ion: 117 Resp: 848543

Ion Ratio Lower Upper

117 100

82 53.5 42.6 64.0

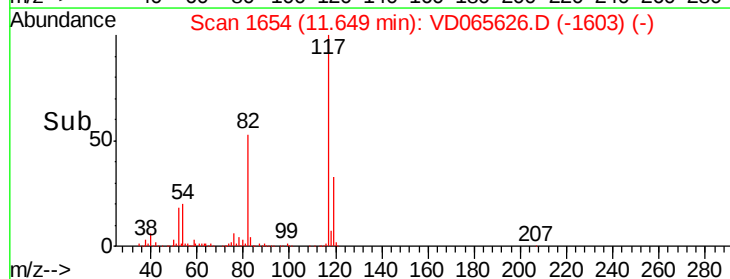
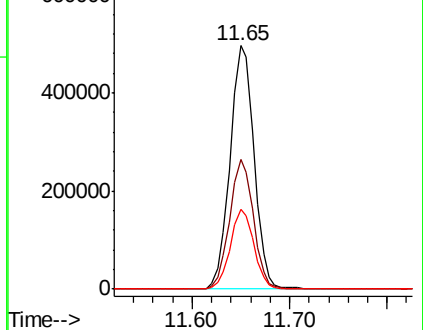
119 32.7 26.7 40.1

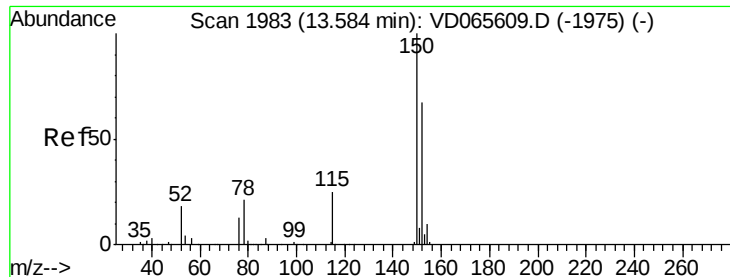


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

TP-4

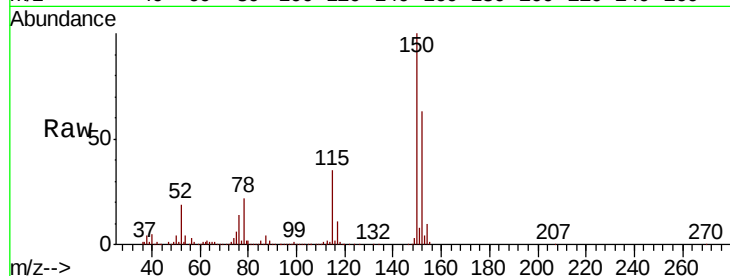
Tot Ion:152 Resp: 393944

Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.2

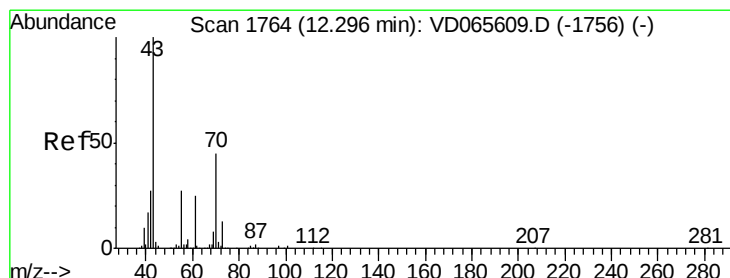
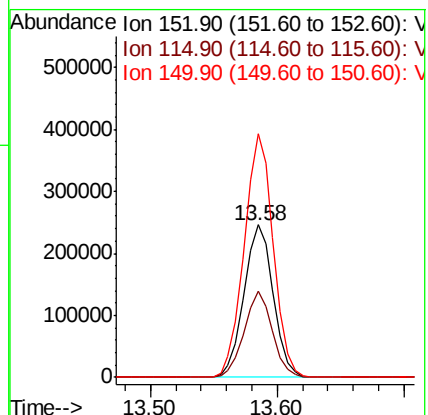
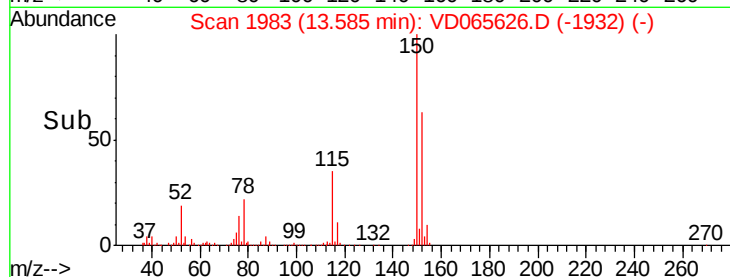
150 158.3 0.0 348.2



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



#74

N-ethyl acetate

Concen: 3.127 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.03 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Tgt Ion: 43 Resp: 1172

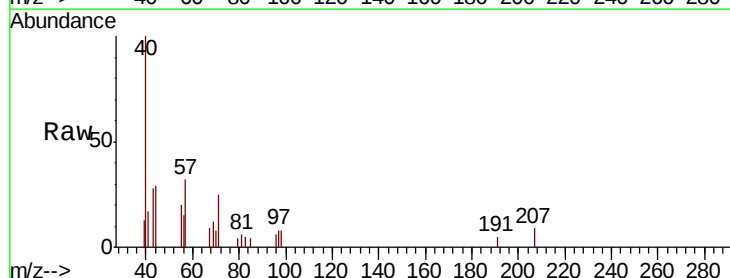
Ion Ratio Lower Upper

43 100

70 46.0 35.2 52.8

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

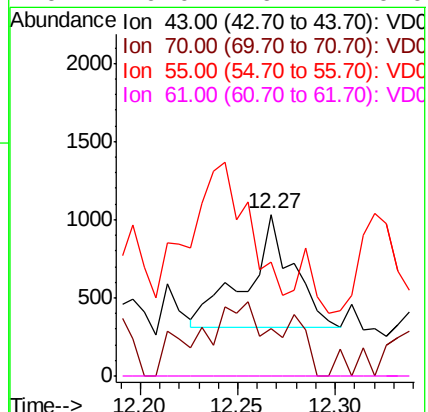
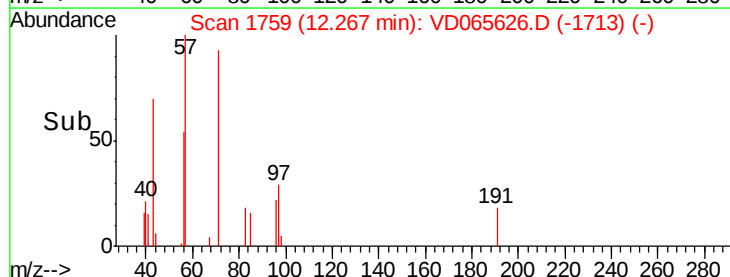


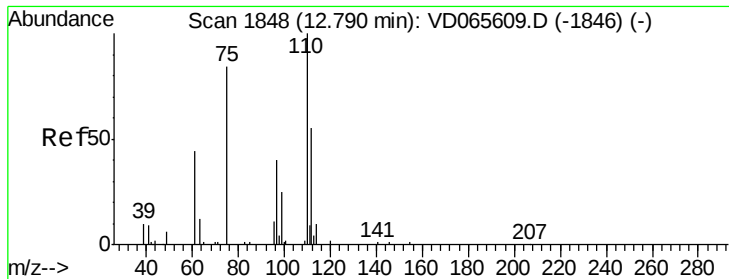
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 55.957 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

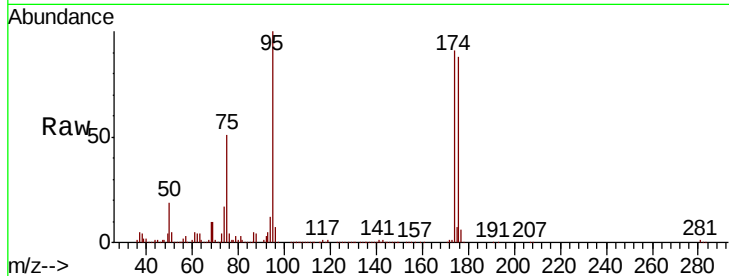
TP-4

Tot Ion: 75 Resp: 176798

Ion Ratio Lower Upper

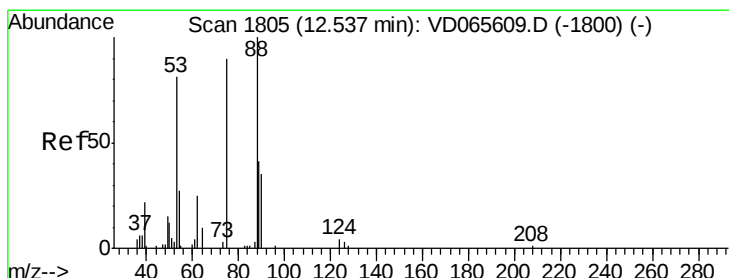
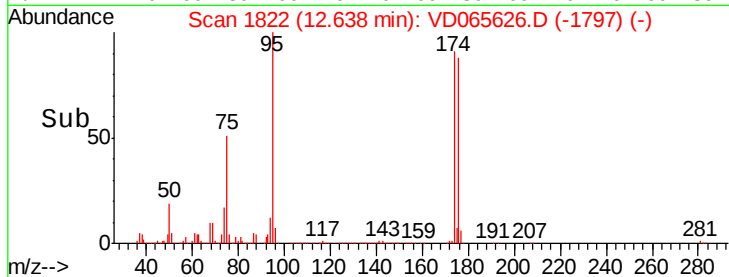
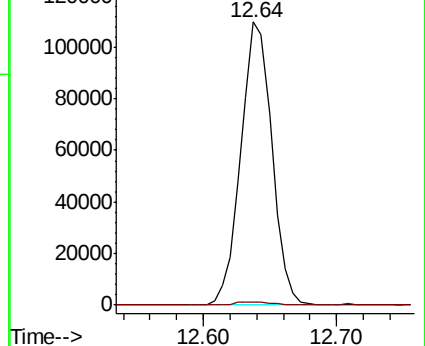
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 129.618 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

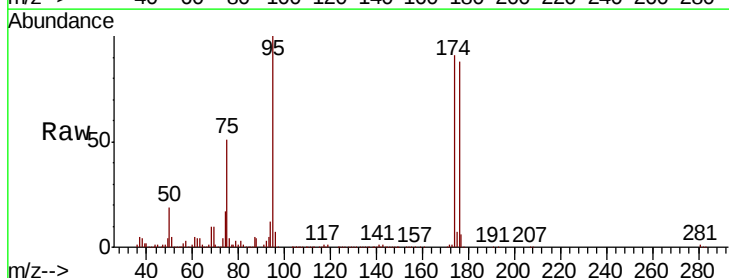
Tgt Ion: 75 Resp: 176798

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.8#

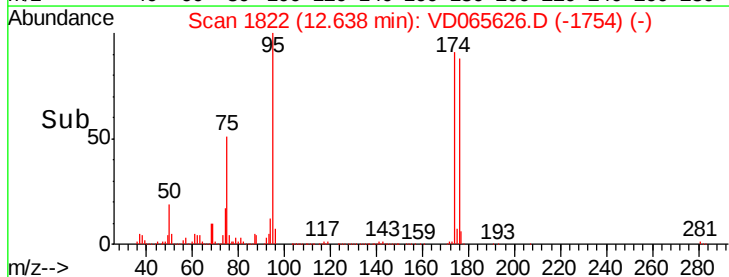
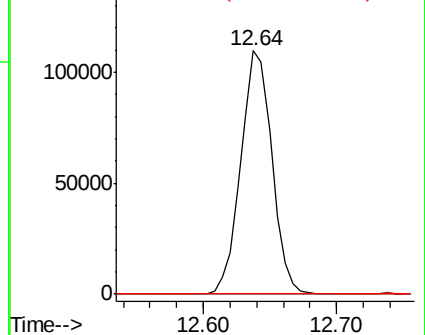
89 0.0 36.1 54.1#

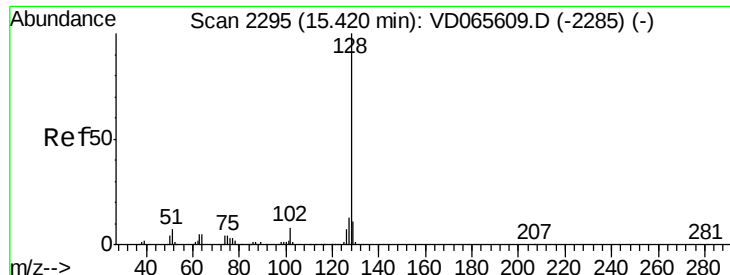


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.128 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065626.D

Acq: 13 Apr 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

TP-4

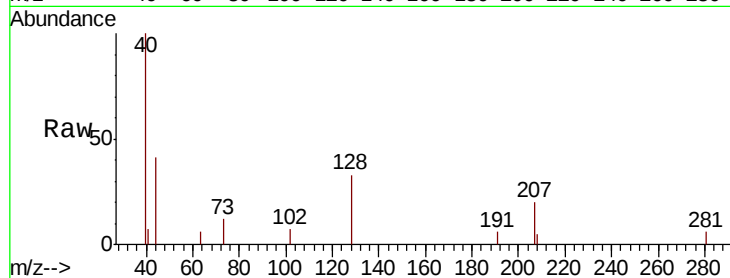
Tot Ion:128 Resp: 1909

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 10.3 8.4 12.6



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

