

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066089.D
 Acq On : 29 Jul 2020 15:10
 Operator : VA/SY
 Sample : L3489-05
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:30:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	385681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	416631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227655	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	103625	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.91	113	118981	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	10.34	98	475963	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.64	95	190221	62.95	ug/l	0.00
Spiked Amount			Recovery	=	125.90%	

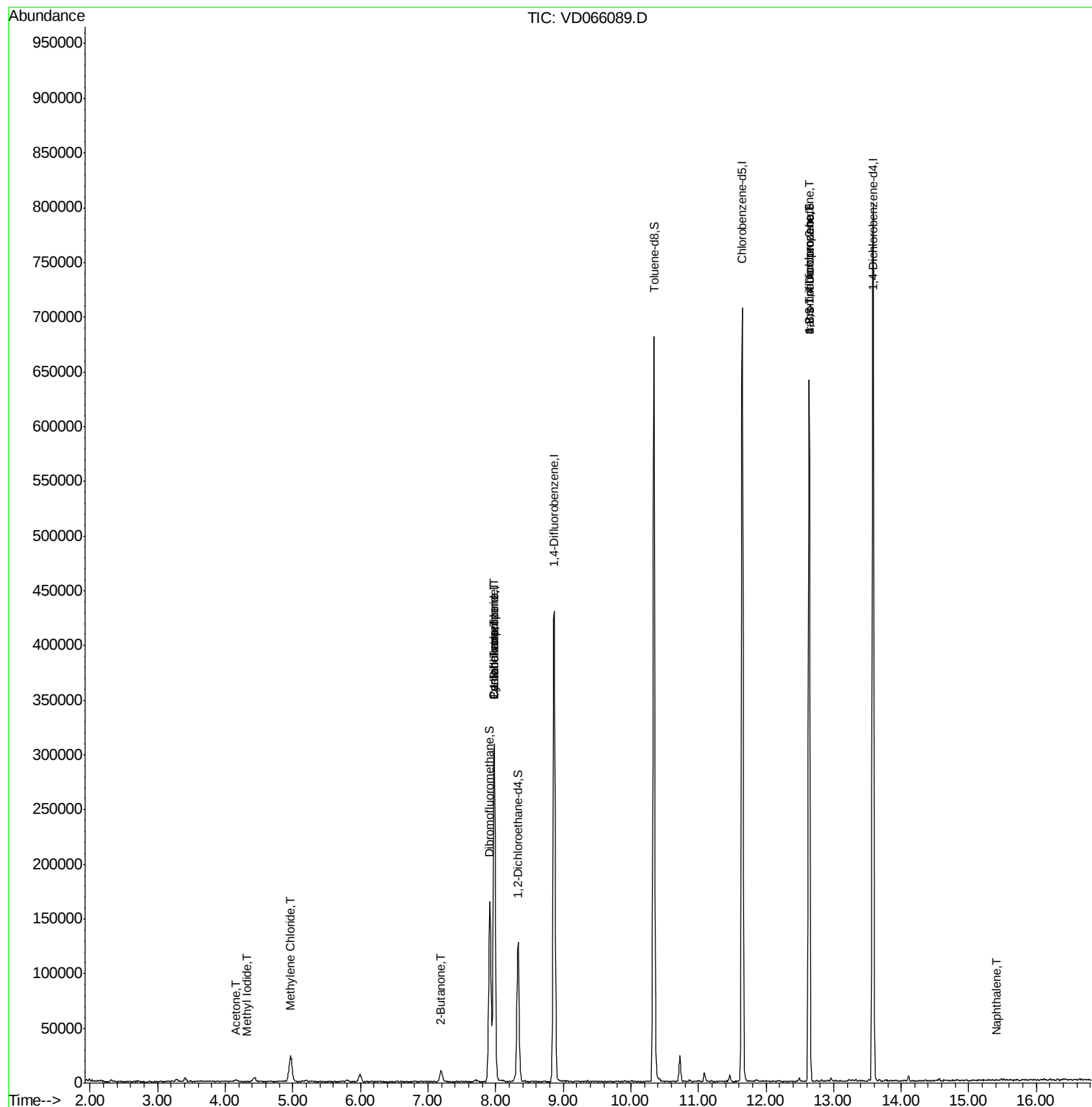
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.32	142	117	8.857	ug/l #	42
11) Tert butyl alcohol	5.21	59	154	Below Cal	#	83
16) Acetone	4.16	43	2739	6.768	ug/l	95
20) Methylene Chloride	4.96	84	18355	5.567	ug/l	91
25) 2-Butanone	7.19	43	697	1.298	ug/l #	50
31) Cyclohexane	7.97	56	4385	1.219	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	15754	4.786	ug/l #	48
38) Carbon Tetrachloride	7.98	117	22879	6.406	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	96385	56.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	96385	129.028	ug/l #	11
95) Naphthalene	15.42	128	474	3.608	ug/l #	68

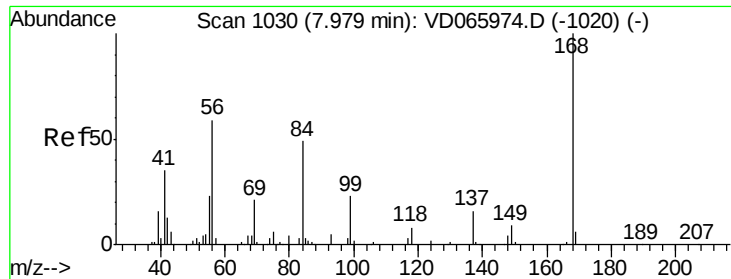
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

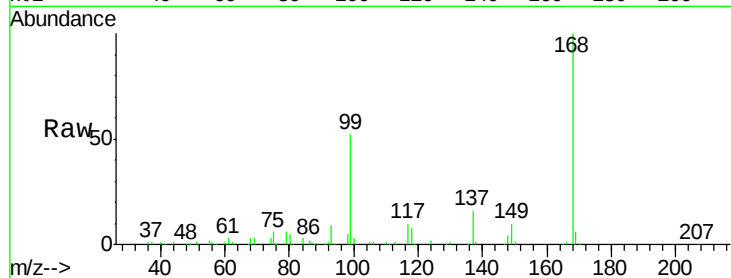
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 245718

Ion Ratio Lower Upper

168 100

99 52.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

120000

100000

80000

60000

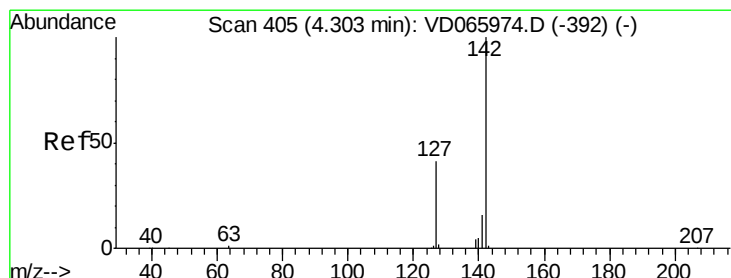
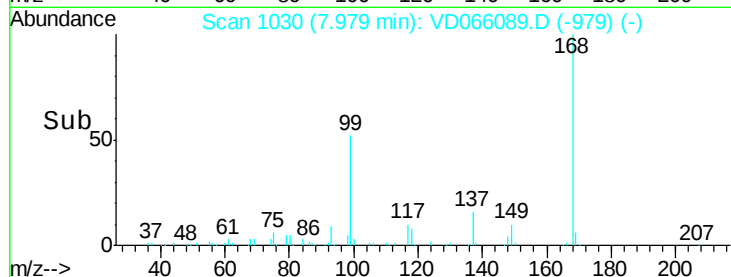
40000

20000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 8.857 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.02 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

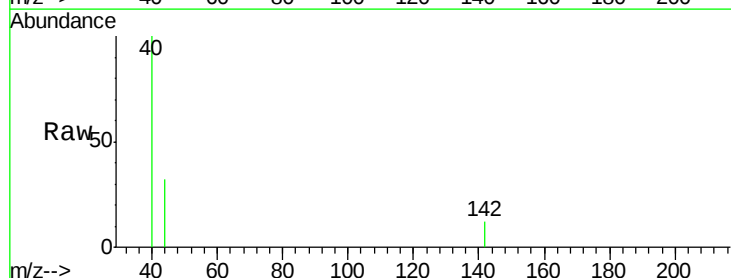
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

141 0.0 11.8 17.6#



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

4.32

200

150

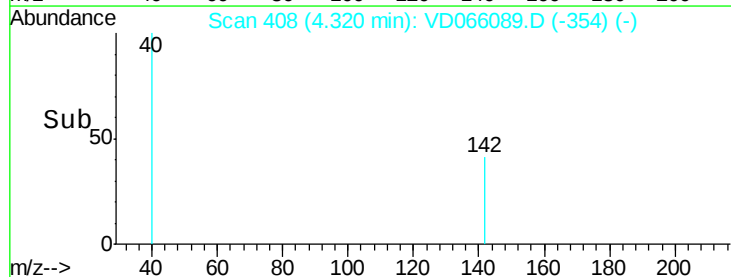
100

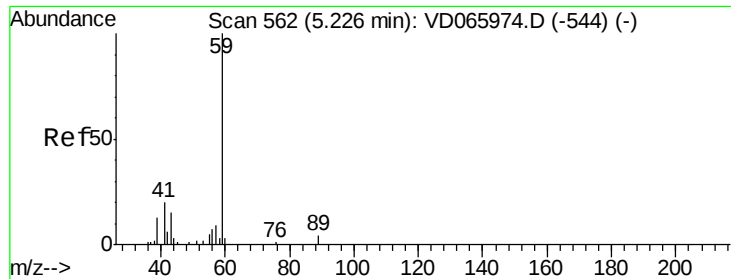
50

0

Time-->

4.30 4.32 4.34

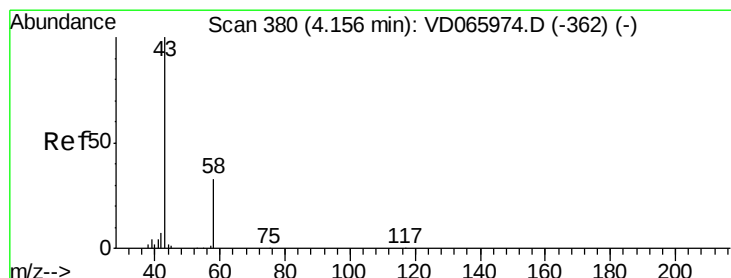
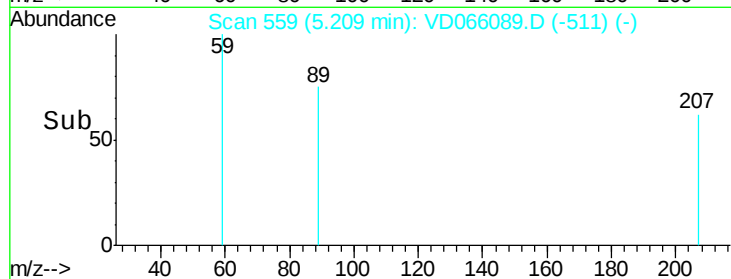
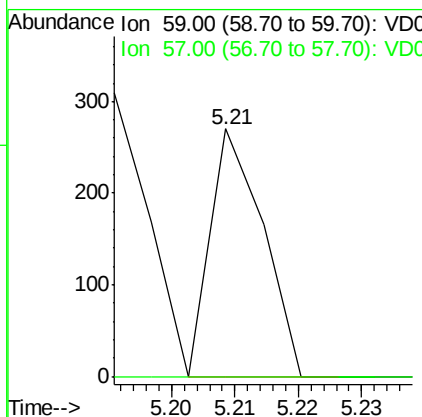
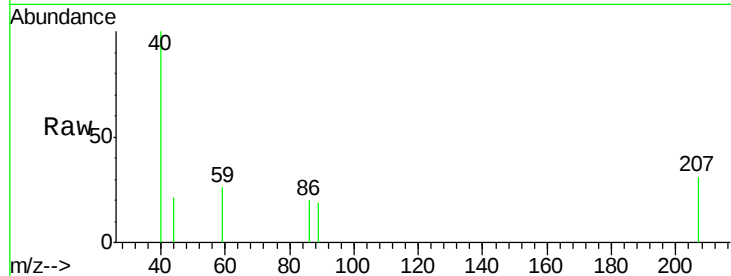




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

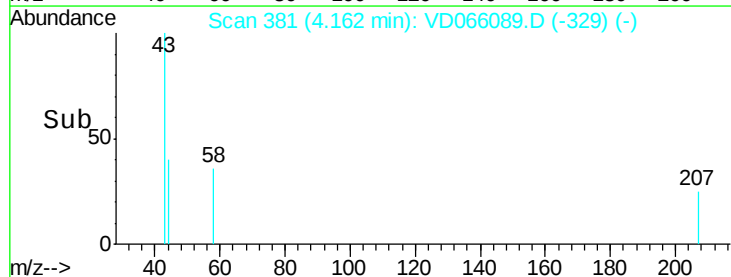
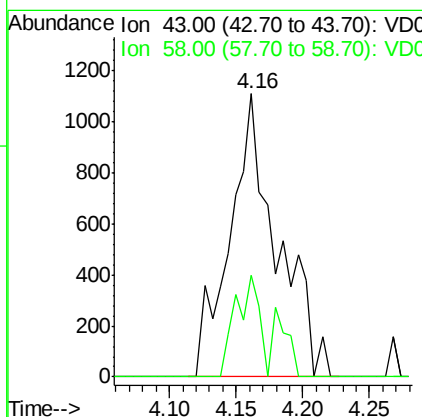
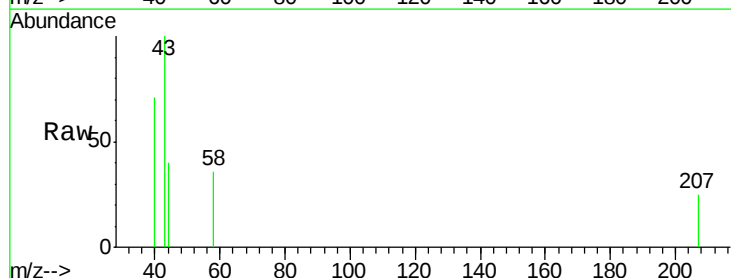
Instrument :
MSVOA_D
ClientSampleId :

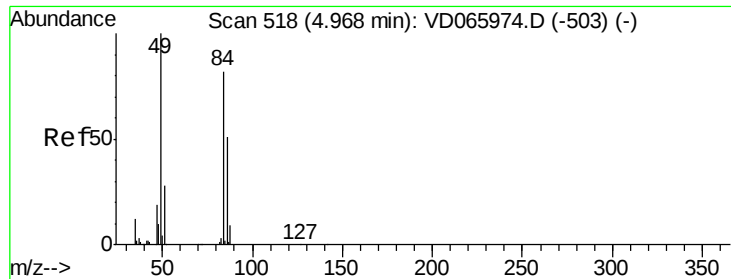
Tot Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 6.768 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
58 35.9 26.3 39.5





#20

Methvlene Chloride

Concen: 5.567 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 18355

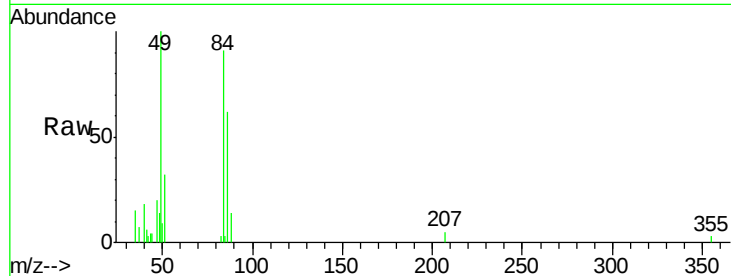
Ion Ratio Lower Upper

84 100

49 109.3 97.7 146.5

51 34.6 27.4 41.2

86 67.5 49.4 74.2

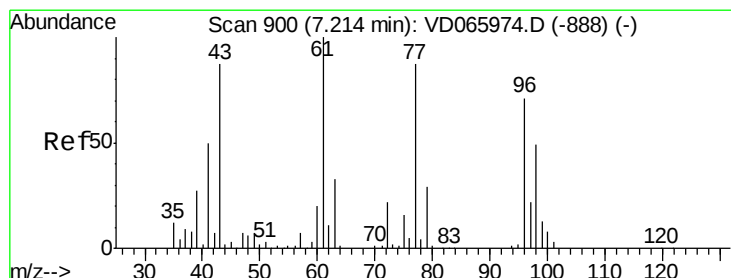
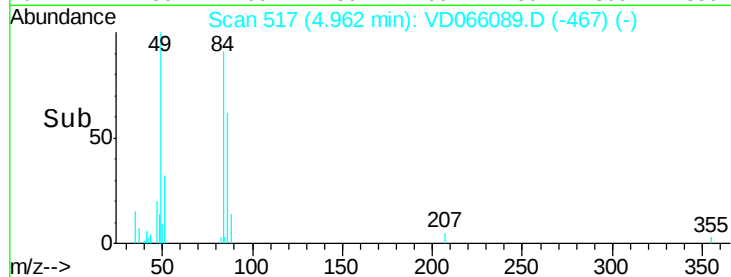
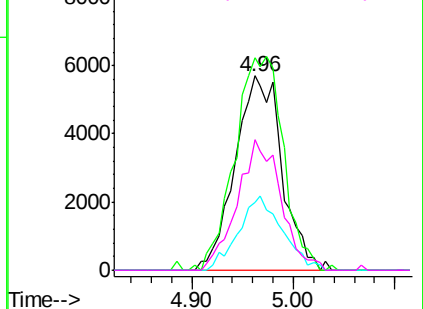


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.298 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066089.D

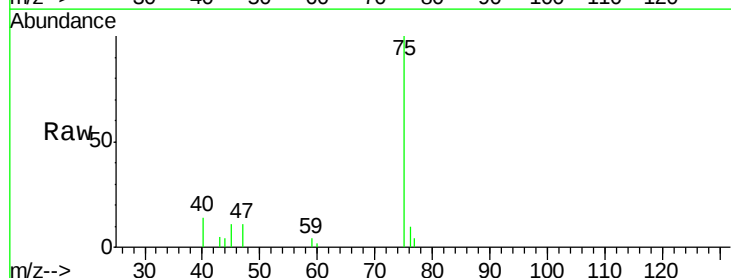
Acq: 29 Jul 2020 15:10

Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

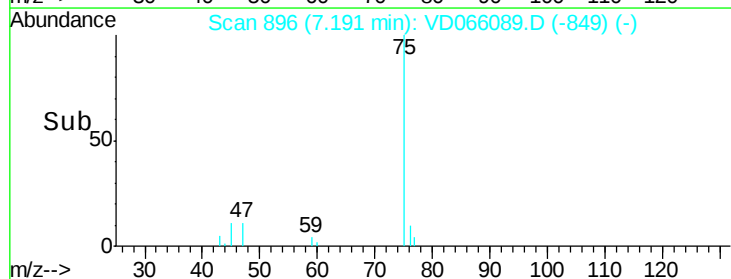
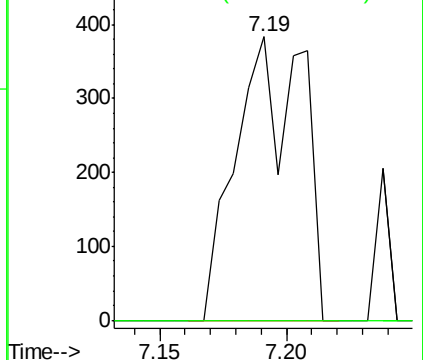
43 100

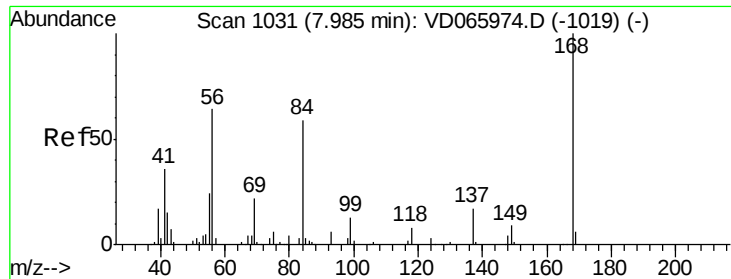
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

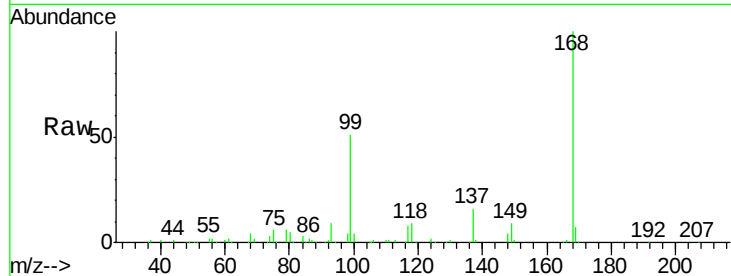
Tot Ion: 56 Resp: 4385

Ion Ratio Lower Upper

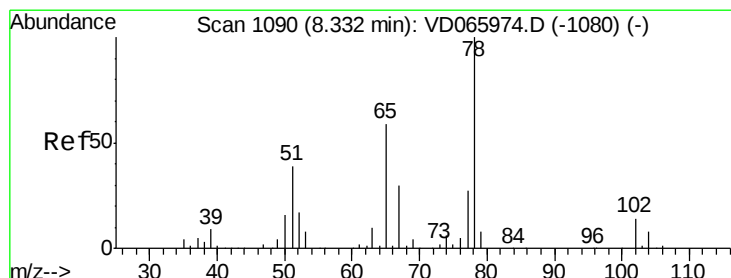
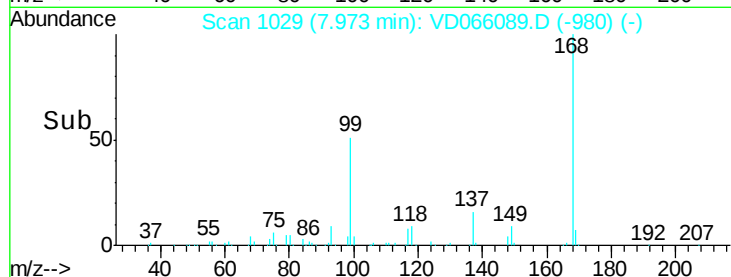
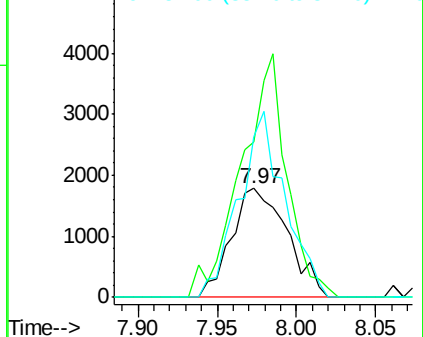
56 100

69 143.4 28.0 42.0#

84 148.1 72.6 109.0#



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: 51.828 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066089.D

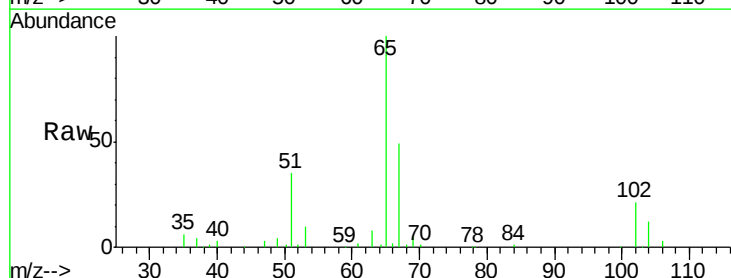
Acq: 29 Jul 2020 15:10

Tgt Ion: 65 Resp: 103625

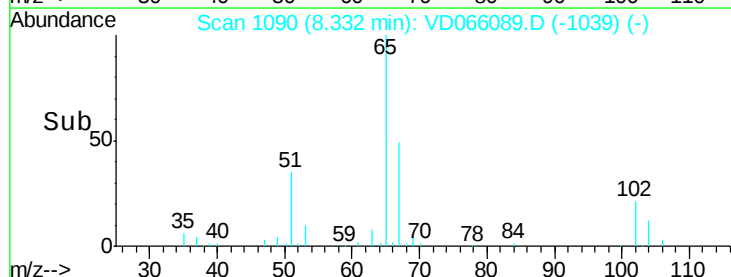
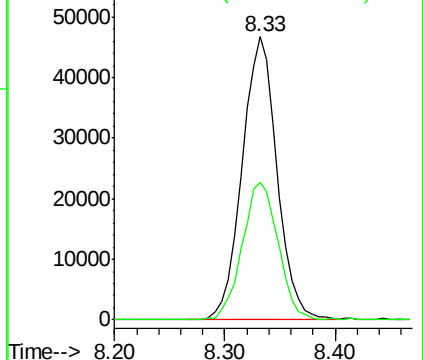
Ion Ratio Lower Upper

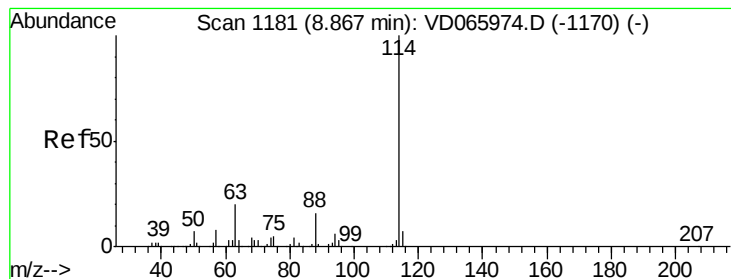
65 100

67 50.1 0.0 105.0



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: VD066089.D

Acq: 29 Jul 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

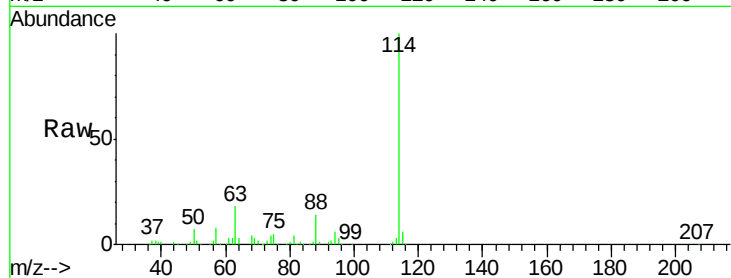
Tot Ion:114 Resp: 385681

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

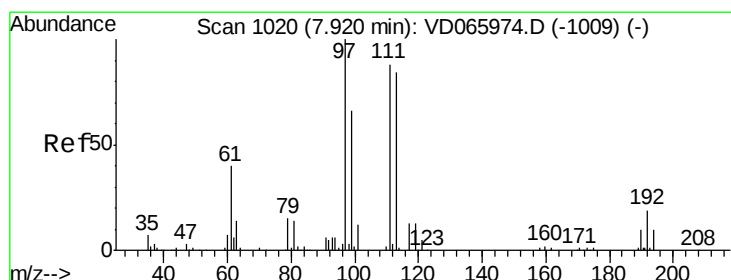
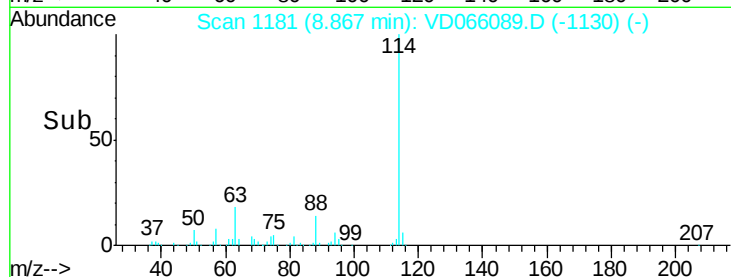
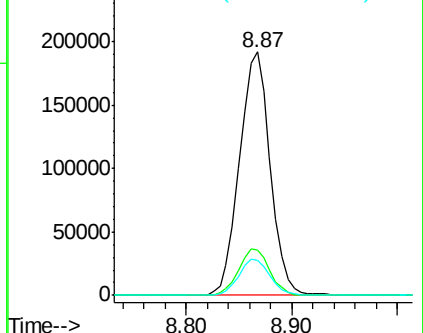
88 14.5 0.0 31.2



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: 50.862 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

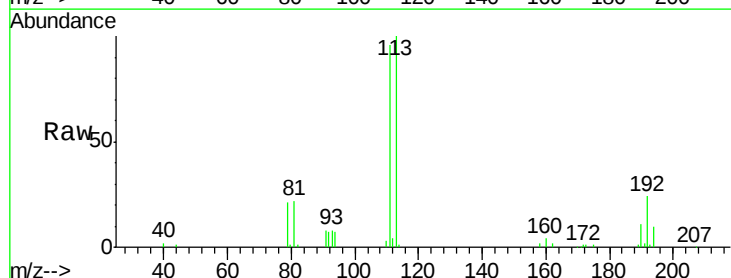
Tgt Ion:113 Resp: 118981

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

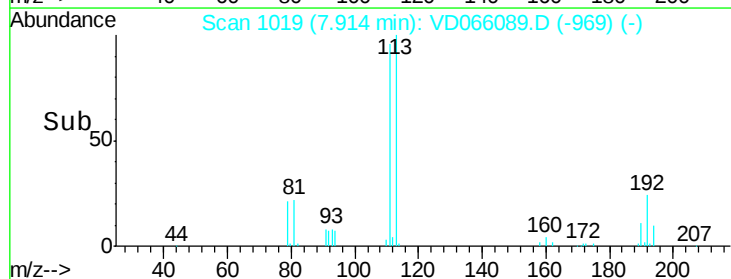
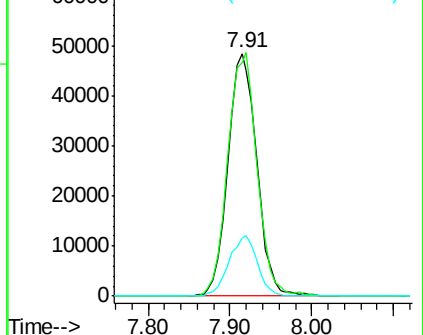
192 24.3 18.7 28.1

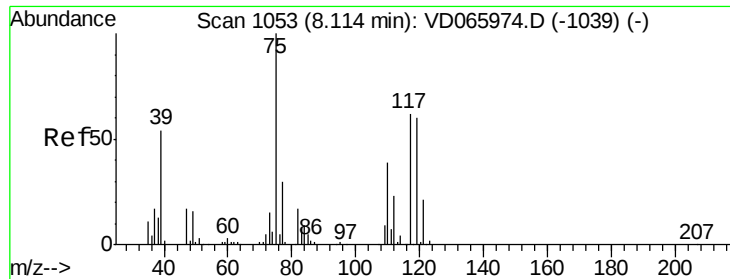


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

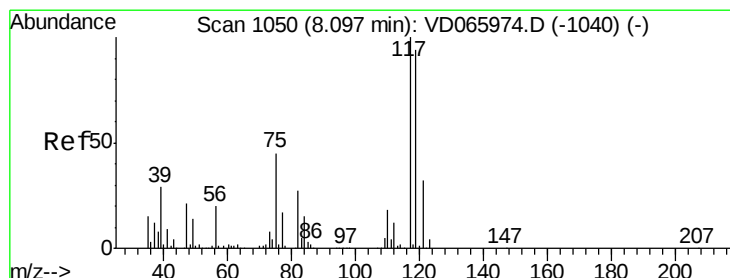
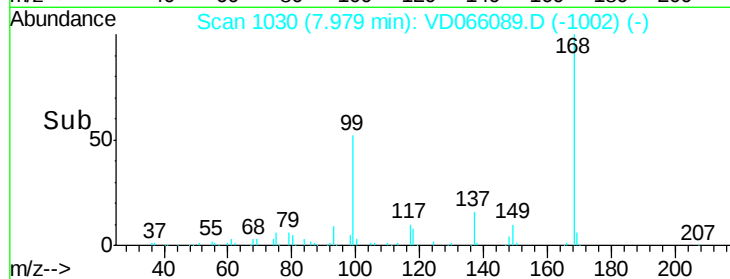
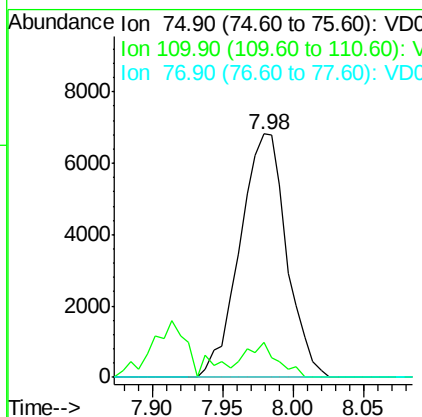
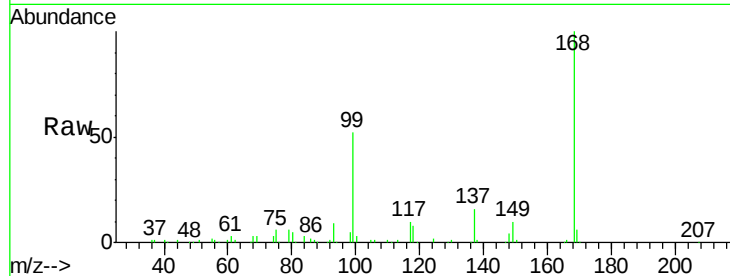




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066089.D
 Acq: 29 Jul 2020 15:10

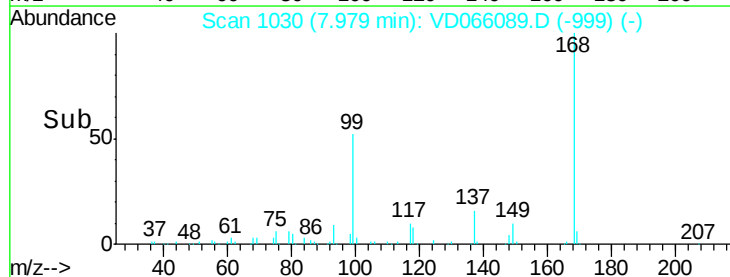
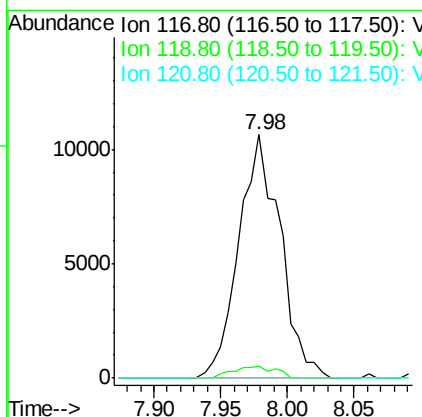
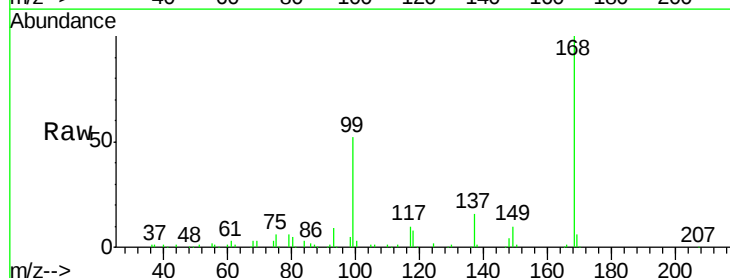
Instrument :
 MSVOA_D
 ClientSampled :

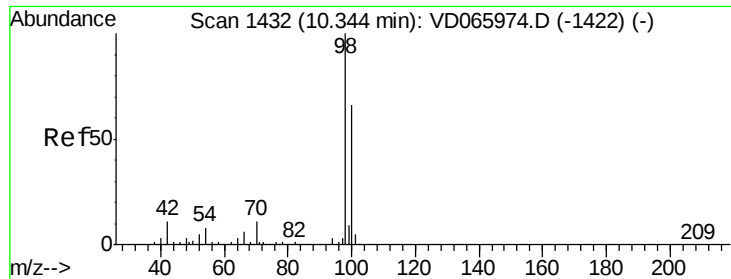
Tot Ion	75	Resp	15754
Ion Ratio	100	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.406 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066089.D
 Acq: 29 Jul 2020 15:10

Tgt Ion	117	Resp	22879
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.2	75.0	112.6#
121	0.0	25.5	38.3#

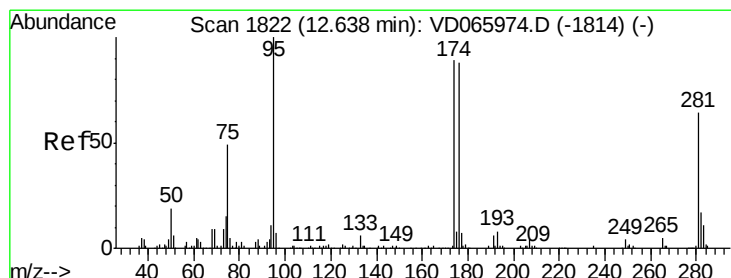
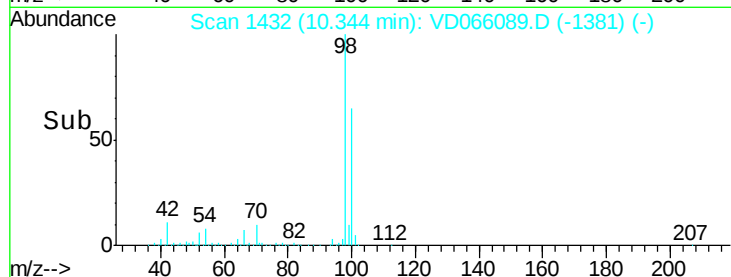
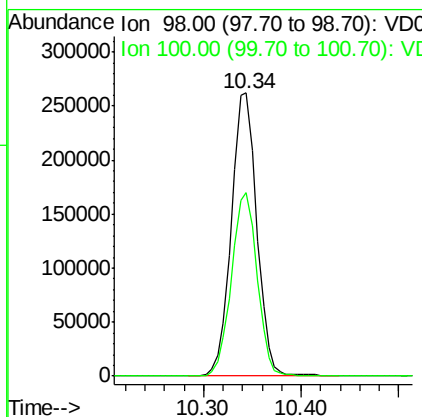
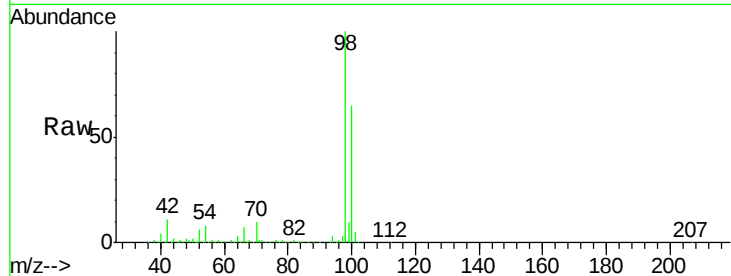




#50
Toluene-d8
Concen: 54.618 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

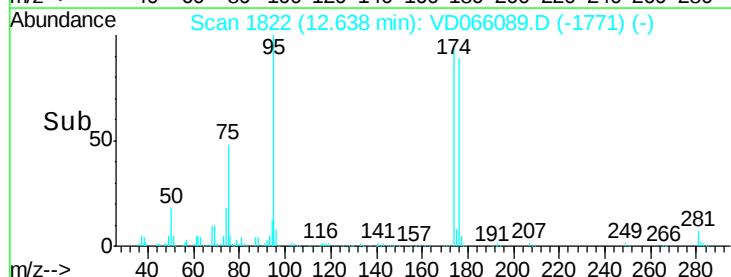
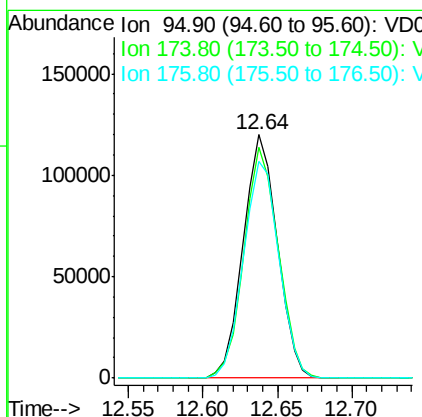
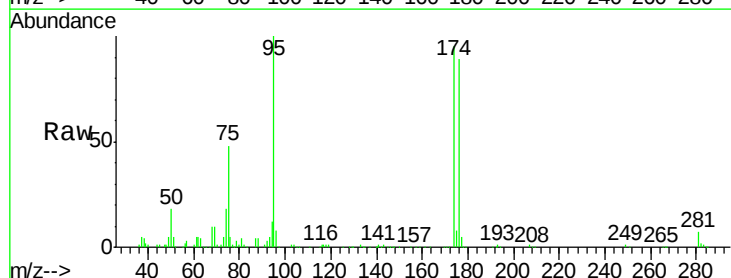
Instrument :
MSVOA_D
ClientSampleId :

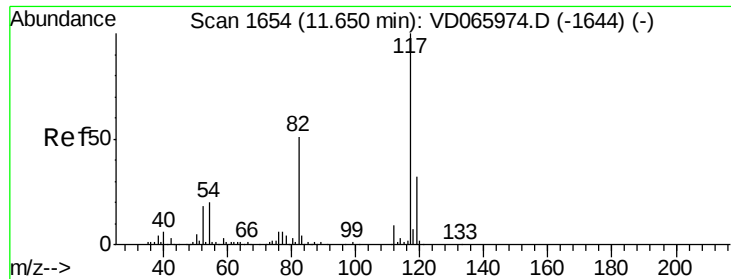
Tot Ion: 98 Resp: 475963
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 62.953 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

Tgt Ion: 95 Resp: 190221
Ion Ratio Lower Upper
95 100
174 95.3 0.0 178.8
176 92.3 0.0 172.6

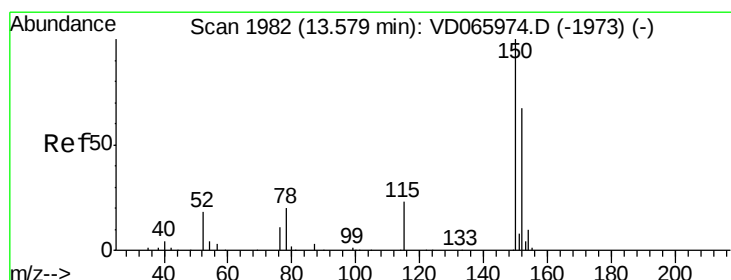
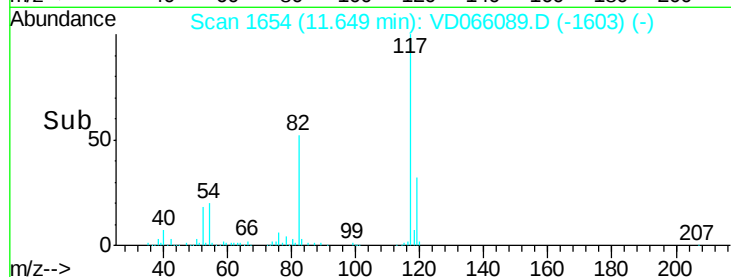
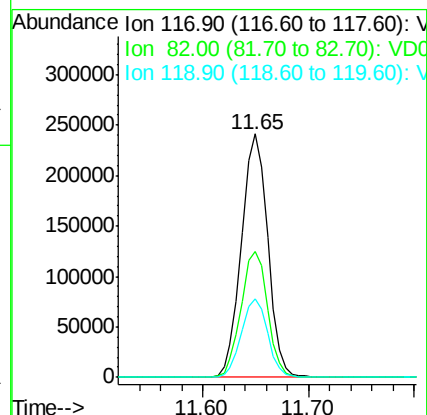
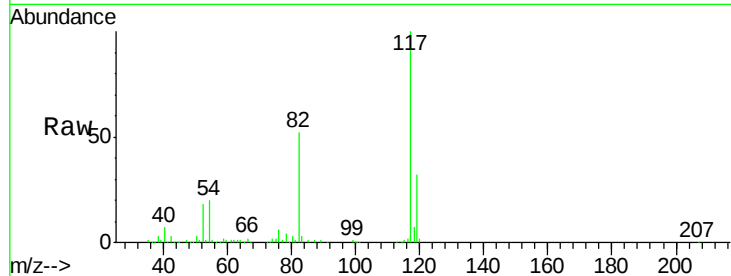




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

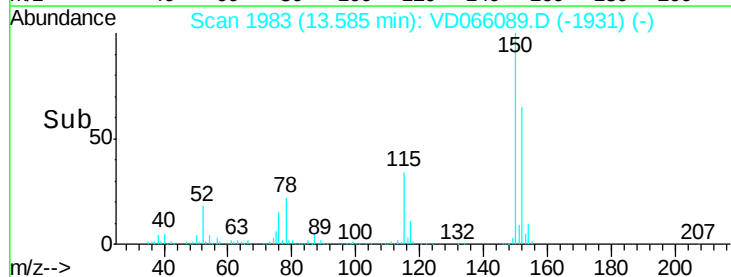
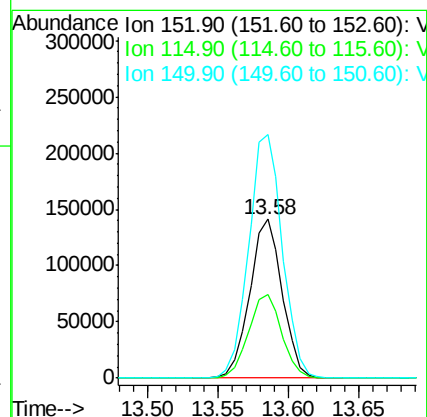
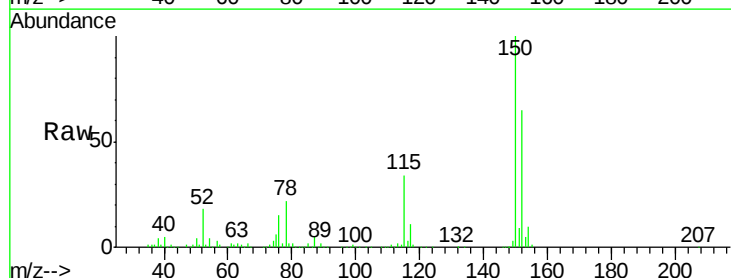
Instrument :
MSVOA_D
ClientSampleId :

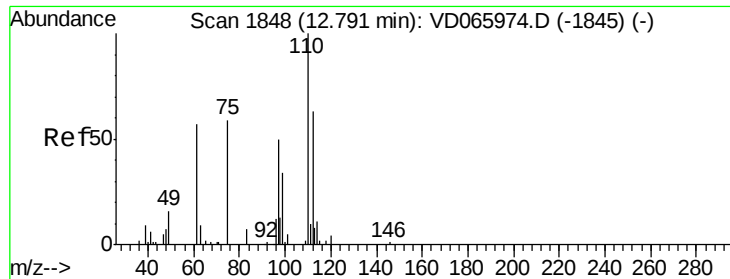
Tot Ion:117 Resp: 416631
Ion Ratio Lower Upper
117 100
82 51.7 41.1 61.7
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066089.D
Acq: 29 Jul 2020 15:10

Tgt Ion:152 Resp: 227655
Ion Ratio Lower Upper
152 100
115 54.1 27.9 83.7
150 158.8 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

Instrument :

MSVOA_D

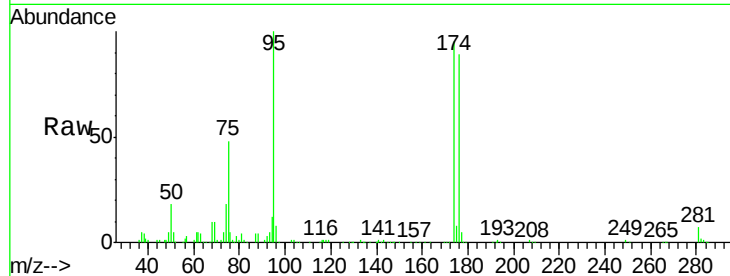
ClientSampleId :

Tot Ion: 75 Resp: 96385

Ion Ratio Lower Upper

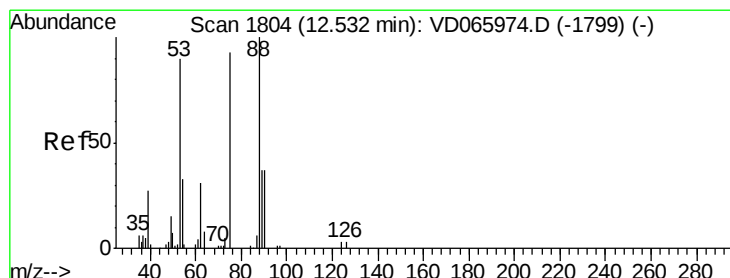
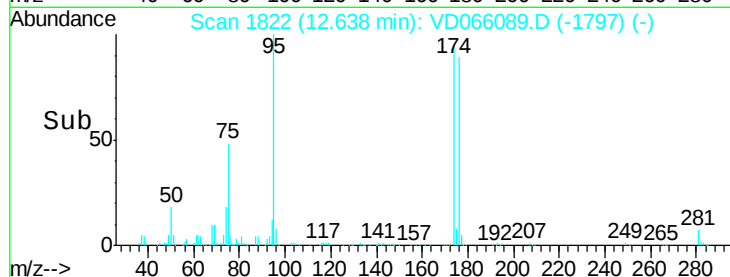
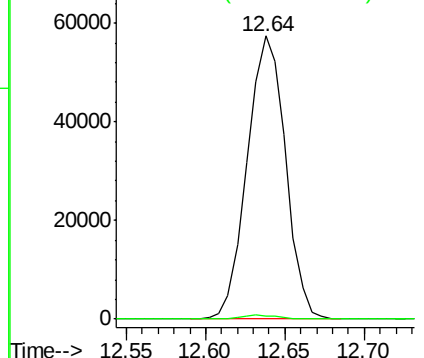
75 100

77 1.3 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: 129.028 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

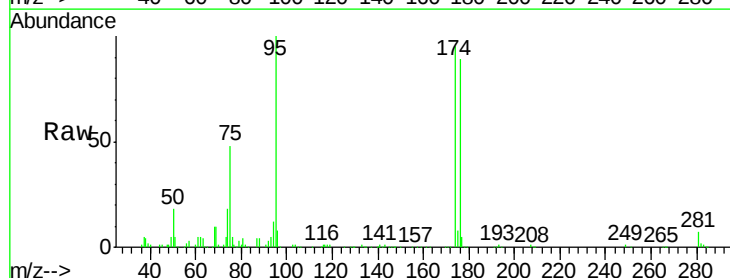
Tgt Ion: 75 Resp: 96385

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

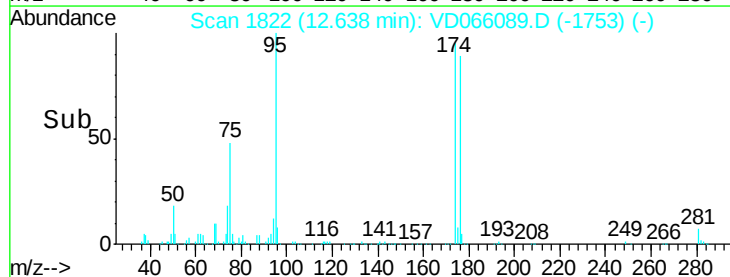
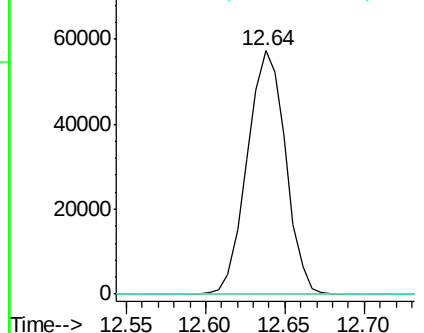
89 0.0 37.0 55.4#

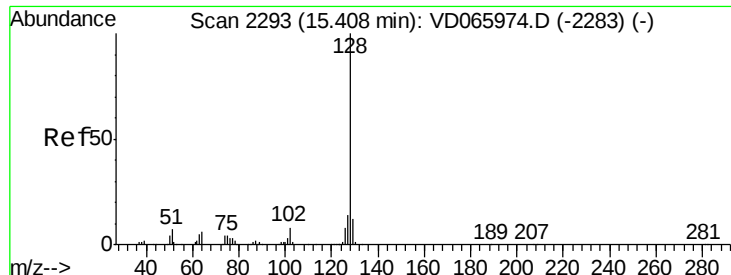


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.608 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

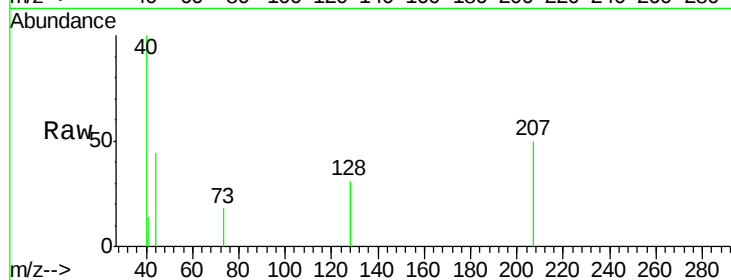
Lab File: VD066089.D

Acq: 29 Jul 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :



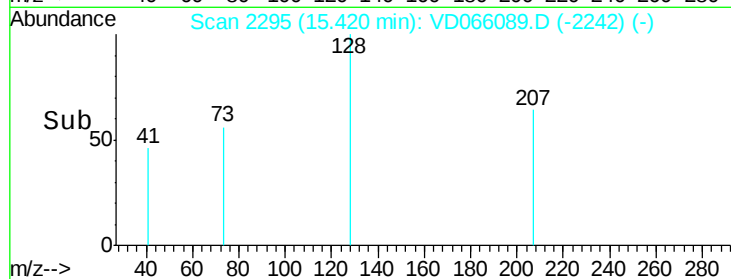
Tot Ion:128 Resp: 474

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



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

