

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065029.D
 Acq On : 31 Jan 2020 12:58
 Operator : VA/SY
 Sample : L1325-03
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 200029

Quant Time: Jan 31 14:09:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	520658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	827298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	798044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377473	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	249310	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.92	113	254111	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.34	98	1007160	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.64	95	335062	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	

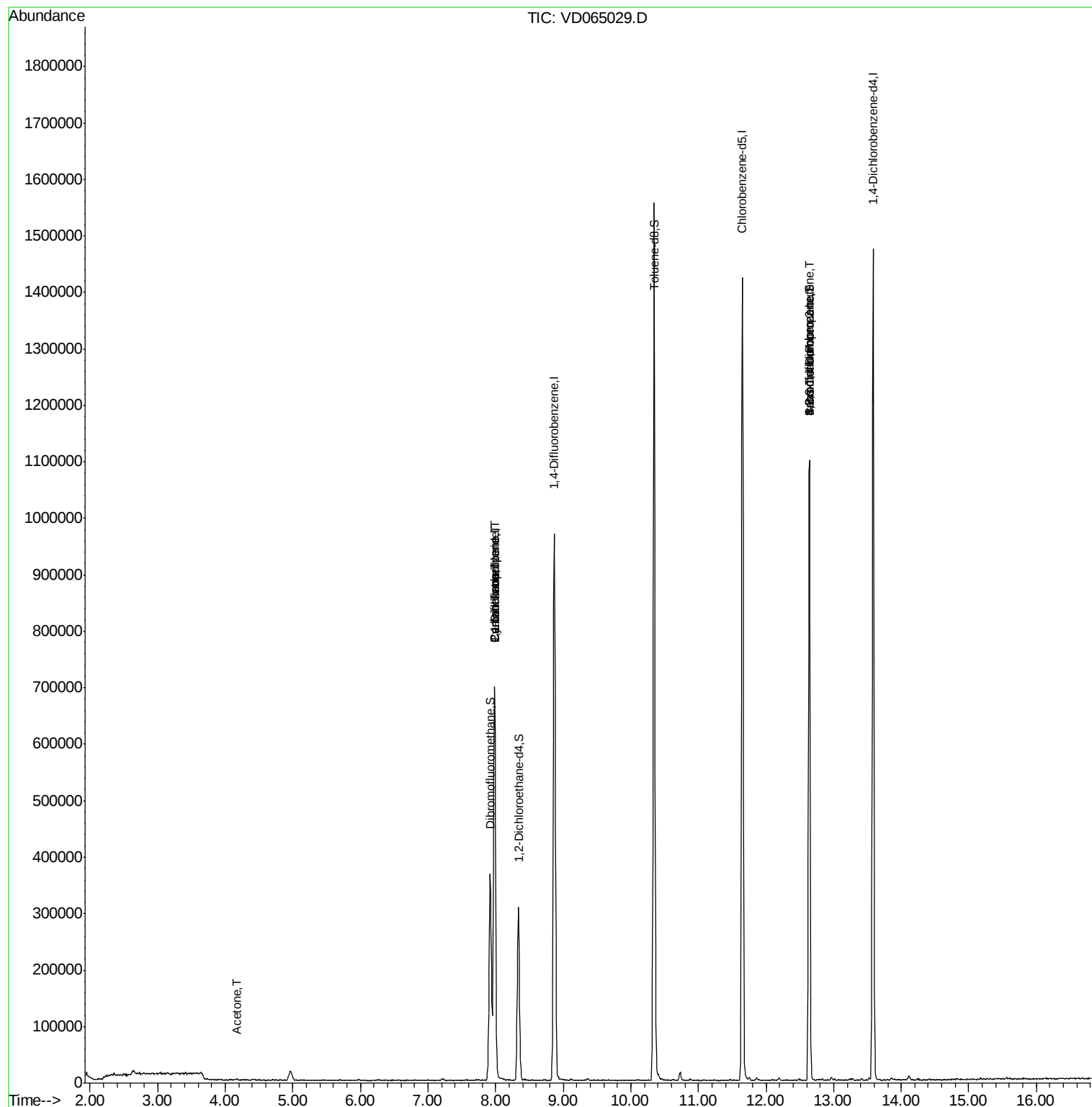
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	3570	16.23	ug/l	92
20) Methylene Chloride	4.96	84	12405	Below	Cal	95
31) Cyclohexane	7.99	56	12572	1.44	ug/l #	45
36) 1,1-Dichloropropene	7.99	75	39404	4.94	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50608	6.00	ug/l #	19
71) Bromoform	12.64	173	3625	1.07	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	178843	57.08	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178843	121.88	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

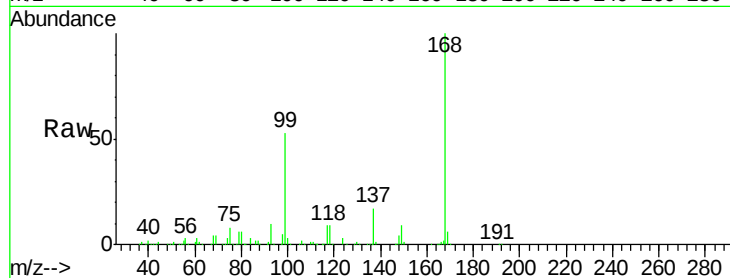
200029

Tgt Ion:168 Resp: 520658

Ion Ratio Lower Upper

168 100

99 53.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

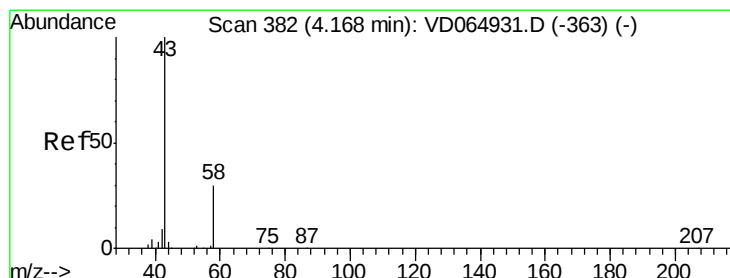
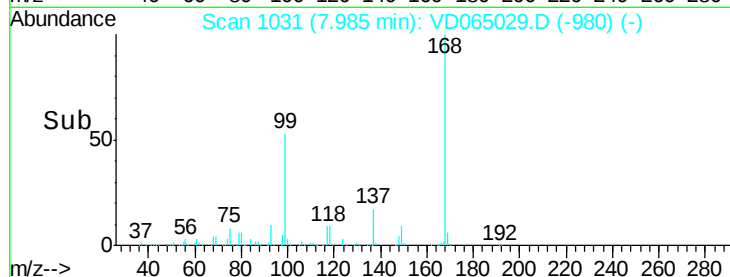
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.23 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065029.D

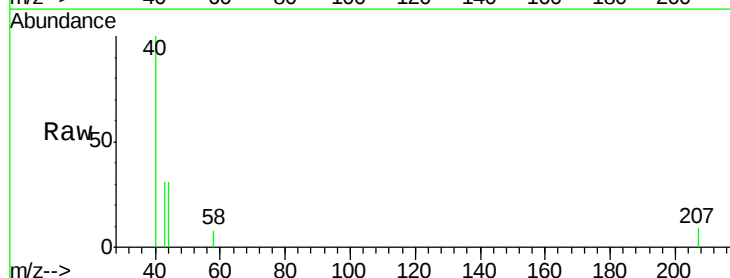
Acq: 31 Jan 2020 12:58

Tgt Ion: 43 Resp: 3570

Ion Ratio Lower Upper

43 100

58 25.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1200

1000

800

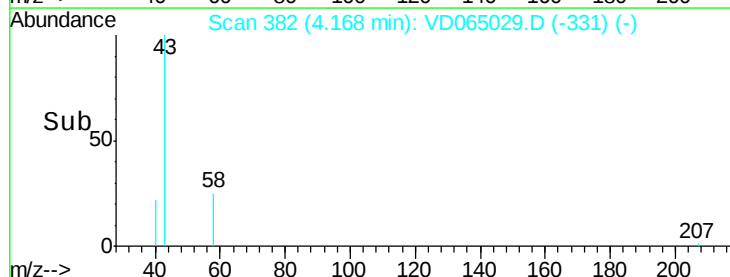
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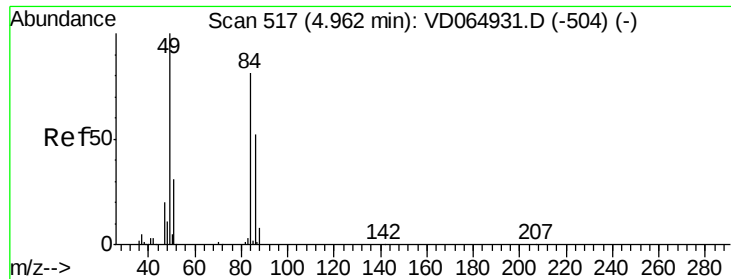
400

200

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

200029

Tgt Ion: 84 Resp: 12405

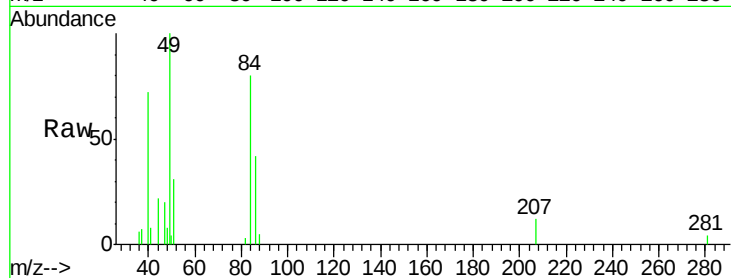
Ion Ratio Lower Upper

84 100

49 125.5 98.4 147.6

51 38.4 30.8 46.2

86 52.3 51.0 76.6

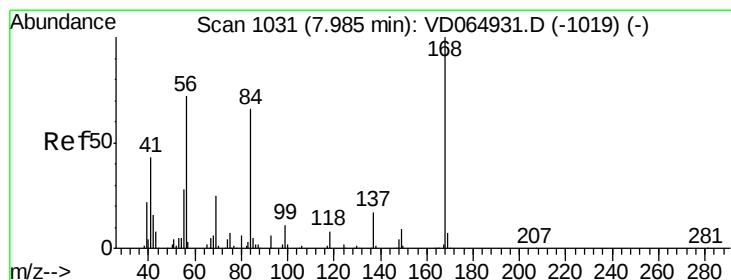
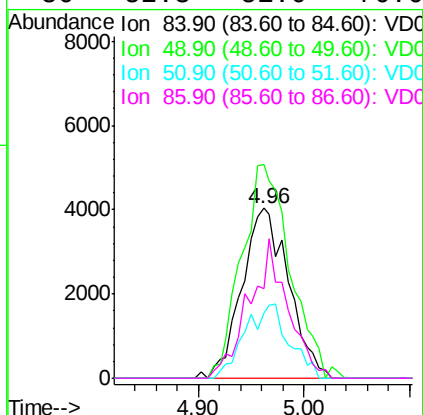
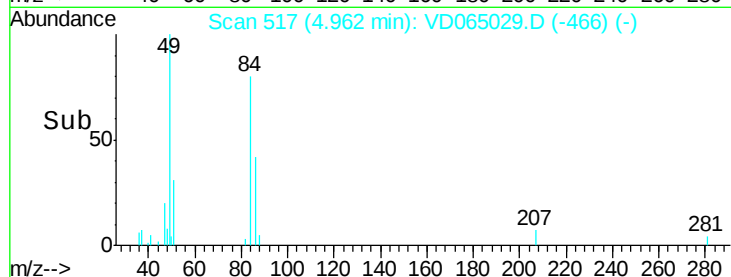


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.44 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

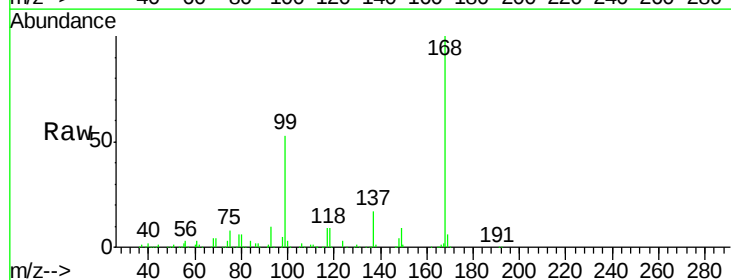
Tgt Ion: 56 Resp: 12572

Ion Ratio Lower Upper

56 100

69 135.5 27.9 41.9#

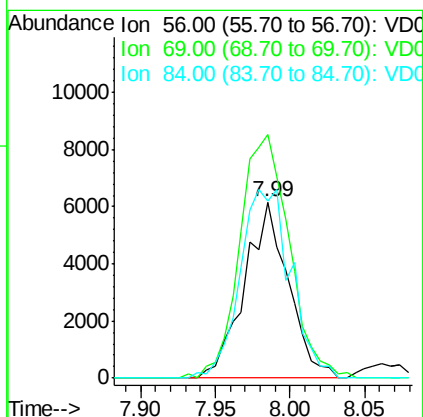
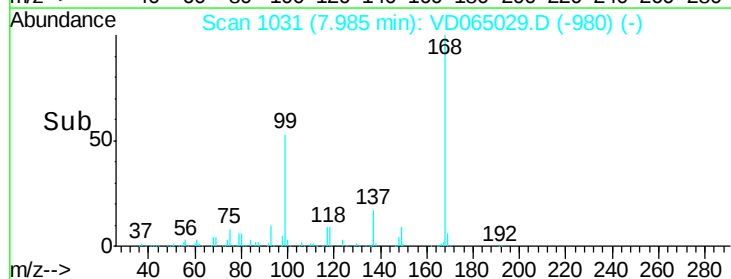
84 100.2 72.8 109.2

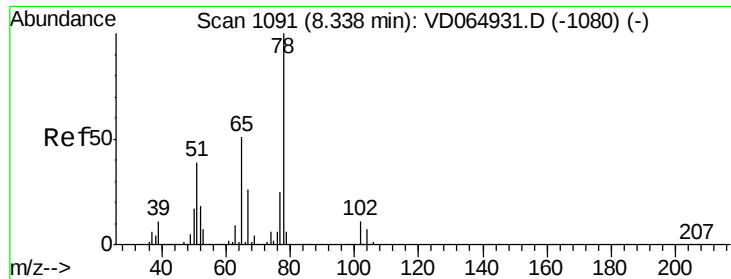


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

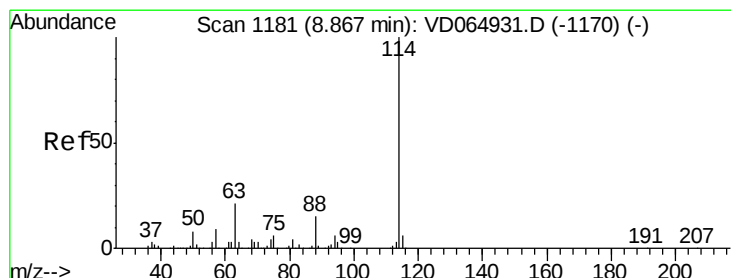
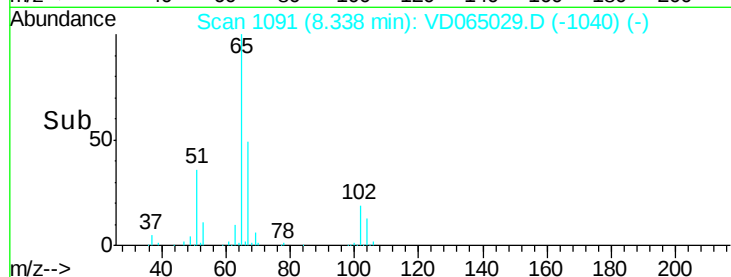
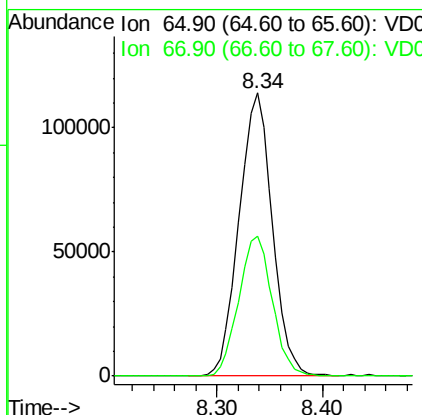
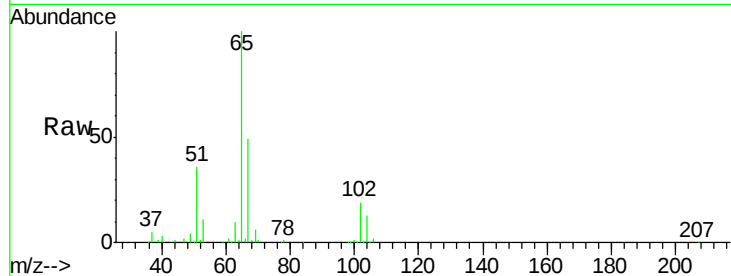




#33
 1,2-Dichloroethane-d4
 Concen: 49.92 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065029.D
 Acq: 31 Jan 2020 12:58

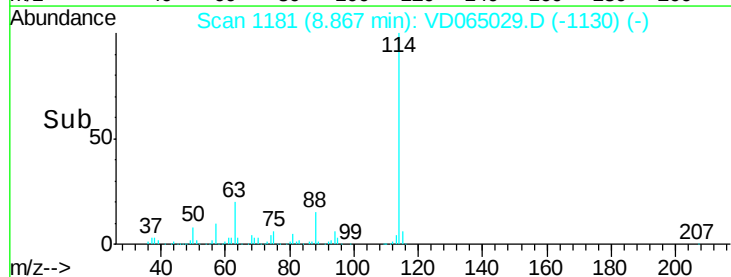
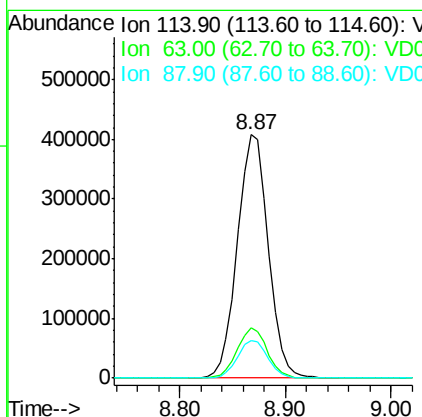
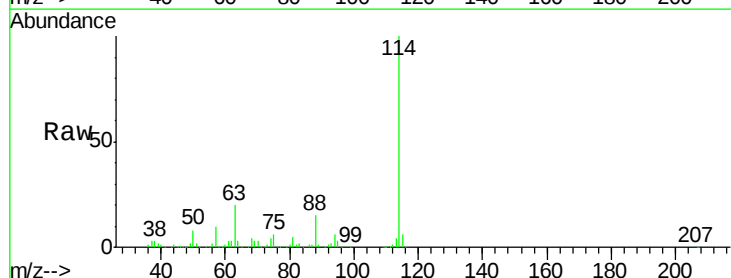
Instrument :
 MSVOA_D
 ClientSampleId :
 200029

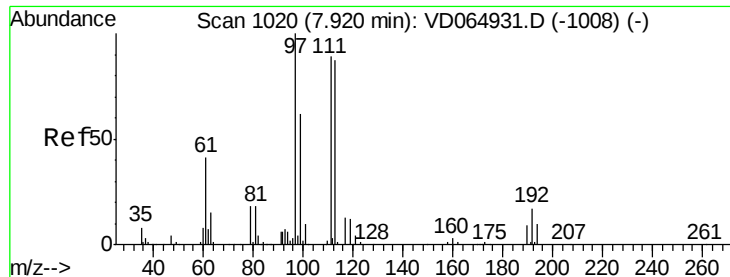
Tgt Ion: 65 Resp: 249310
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065029.D
 Acq: 31 Jan 2020 12:58

Tgt Ion: 114 Resp: 827298
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 15.4 0.0 29.4

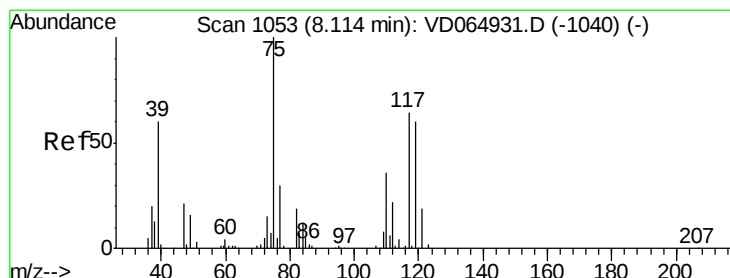
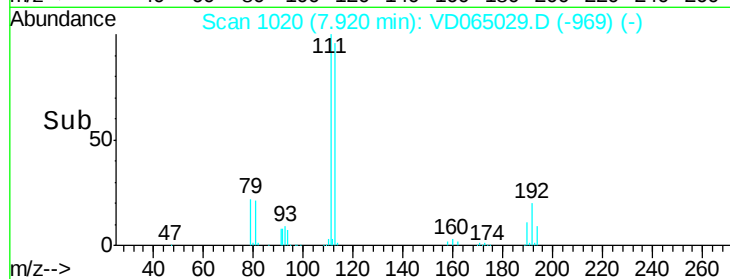
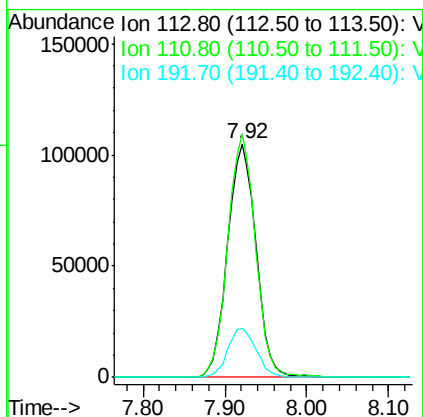
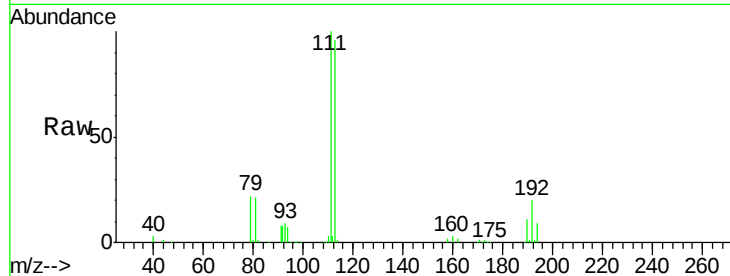




#35
Dibromofluoromethane
Concen: 48.88 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

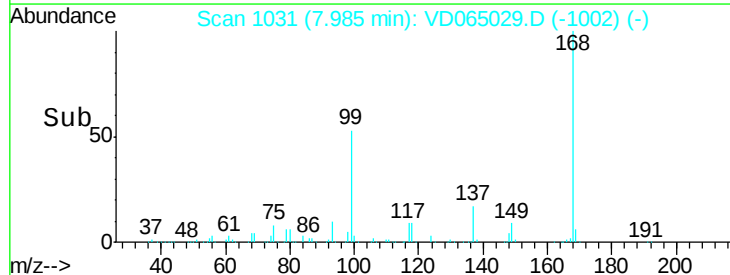
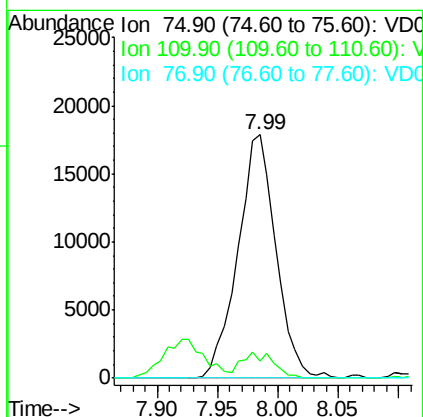
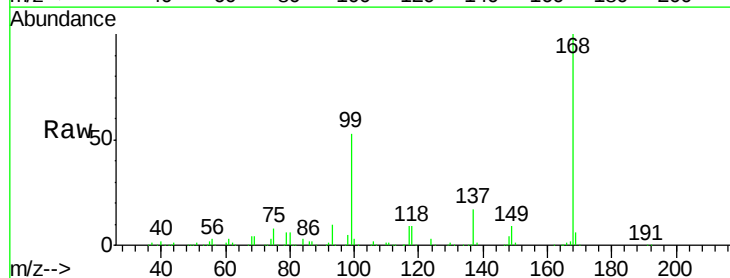
Instrument :
MSVOA_D
ClientSampleID :
200029

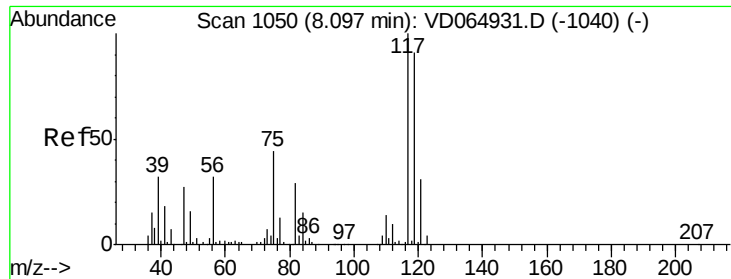
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	21.3	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.3	52.0#
77	0.0	24.7	37.1#

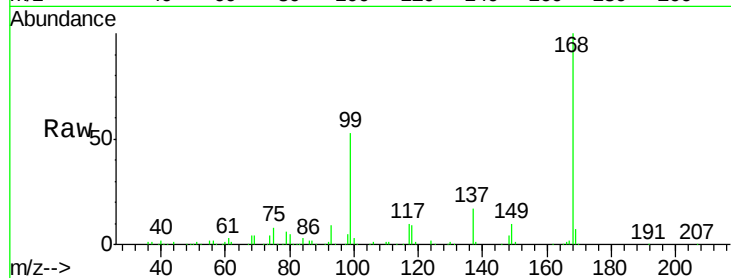




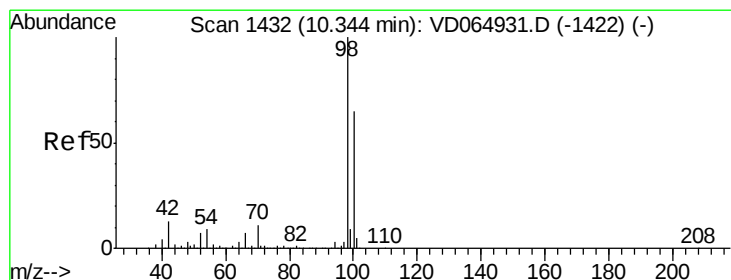
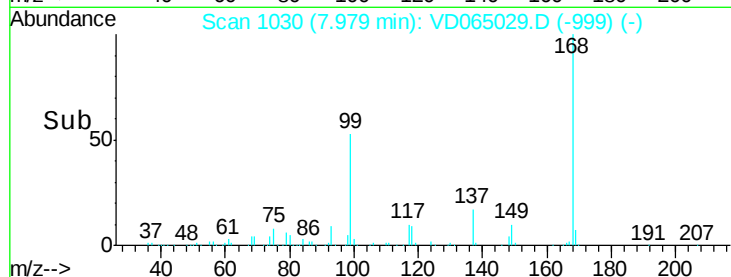
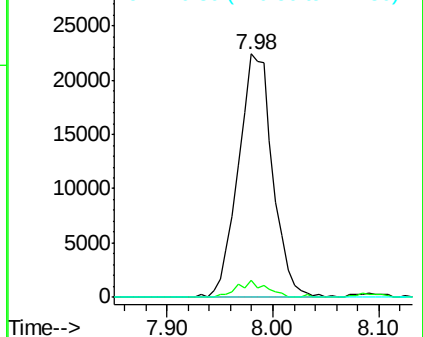
#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
200029

Tgt Ion:117 Resp: 50608
Ion Ratio Lower Upper
117 100
119 7.0 73.2 109.8#
121 0.0 24.4 36.6#

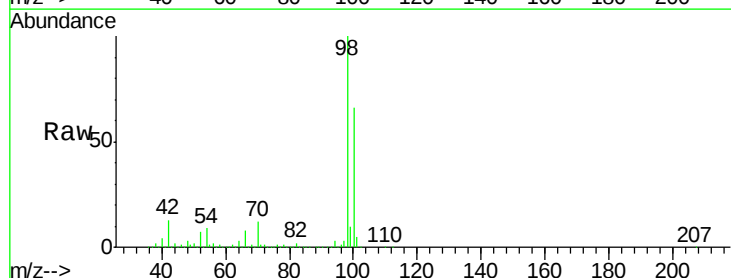


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

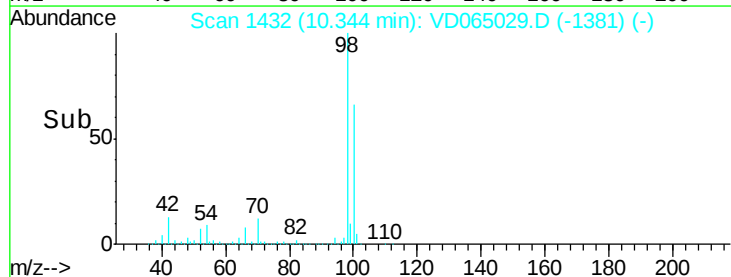
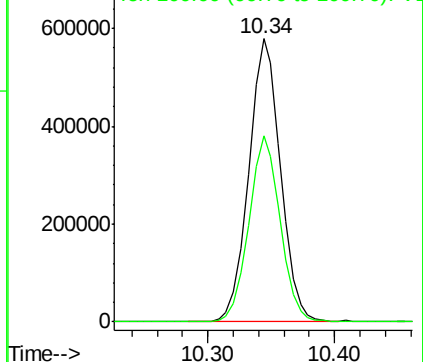


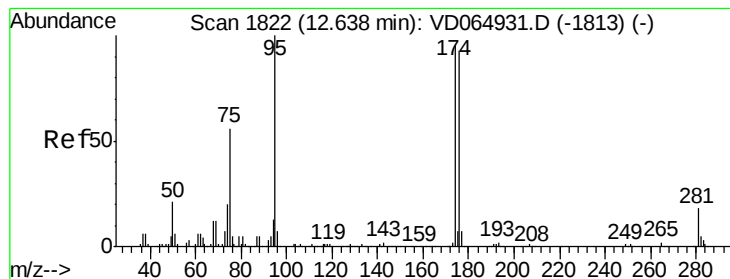
#50
Toluene-d8
Concen: 50.19 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

Tgt Ion: 98 Resp: 1007160
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 54.57 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

200029

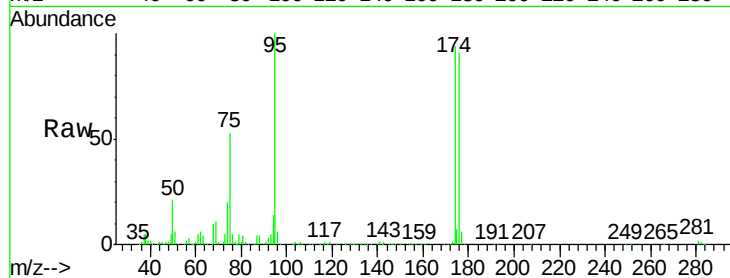
Tgt Ion: 95 Resp: 335062

Ion Ratio Lower Upper

95 100

174 91.2 0.0 186.8

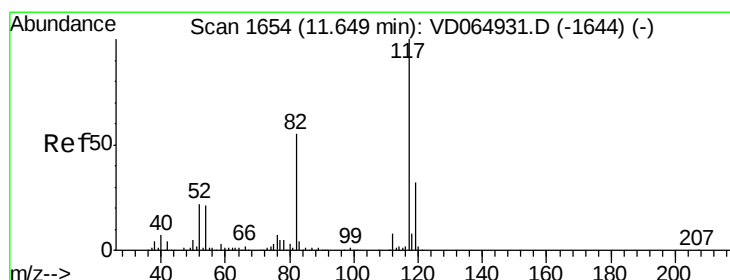
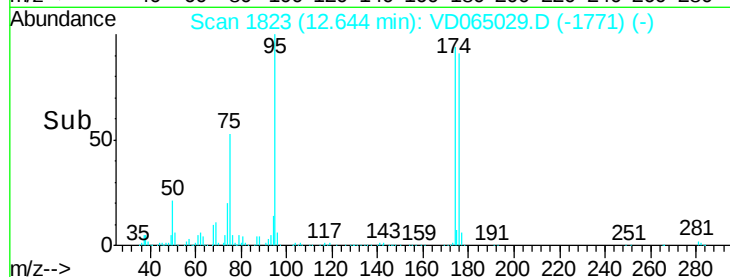
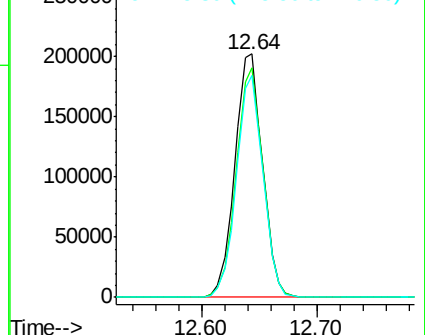
176 87.6 0.0 183.4



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: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

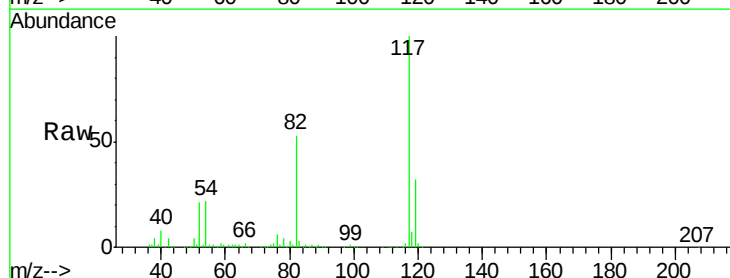
Tgt Ion: 117 Resp: 798044

Ion Ratio Lower Upper

117 100

82 52.7 43.6 65.4

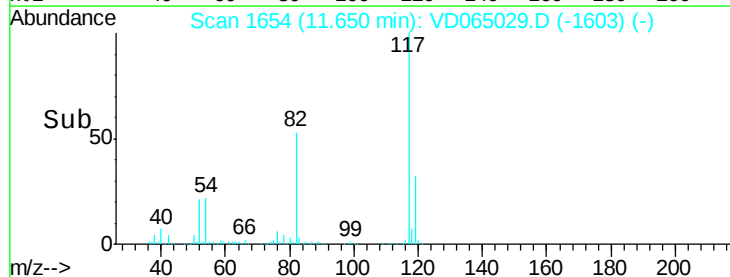
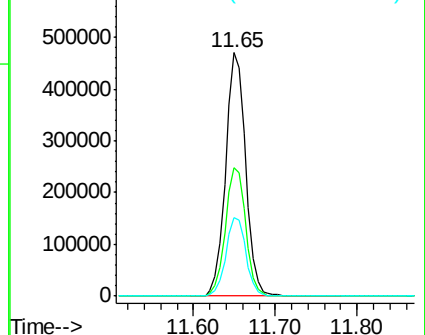
119 32.2 25.2 37.8

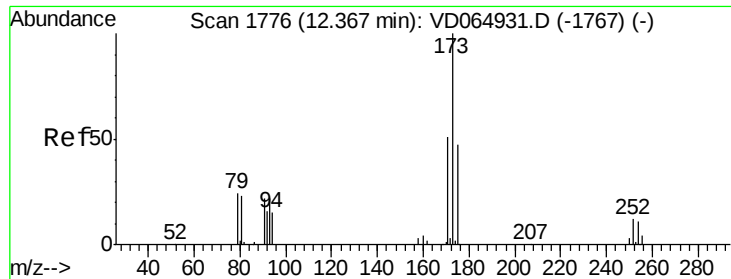


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

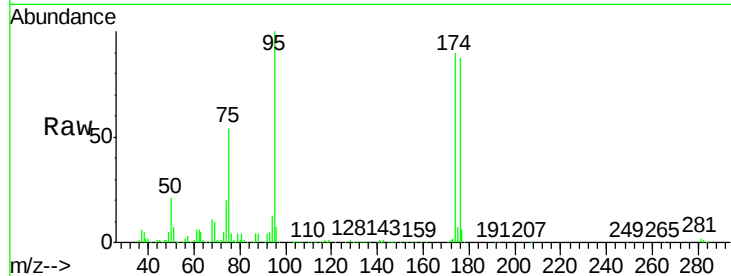




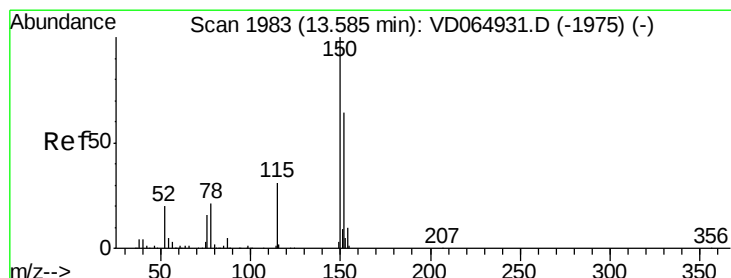
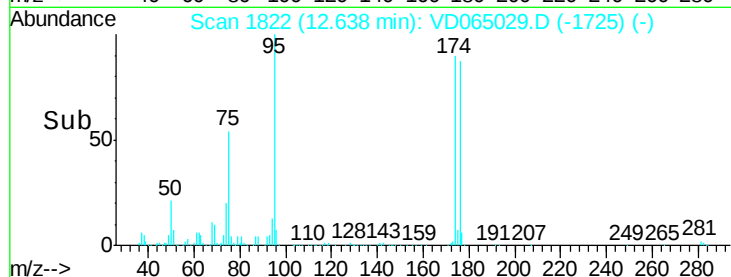
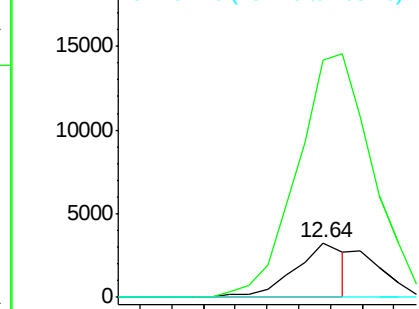
#71
Bromoform
Concen: 1.07 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
200029

Tgt Ion:173 Resp: 3625
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#

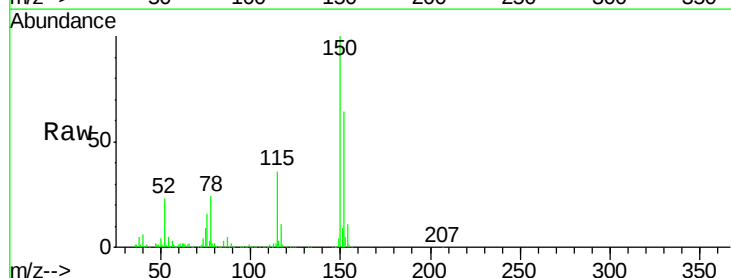


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

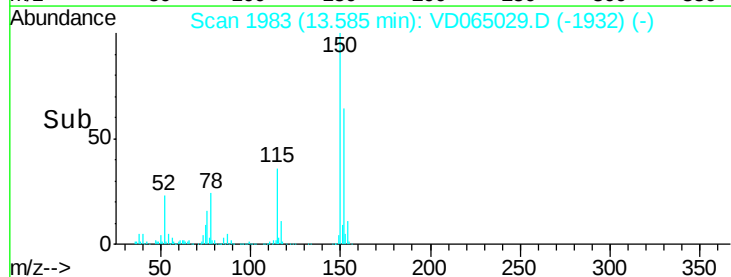
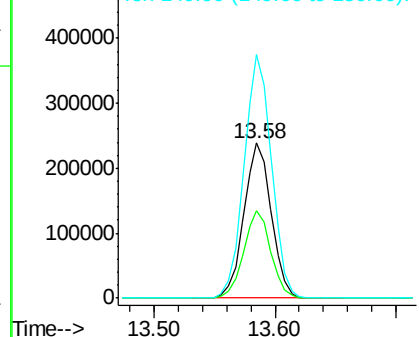


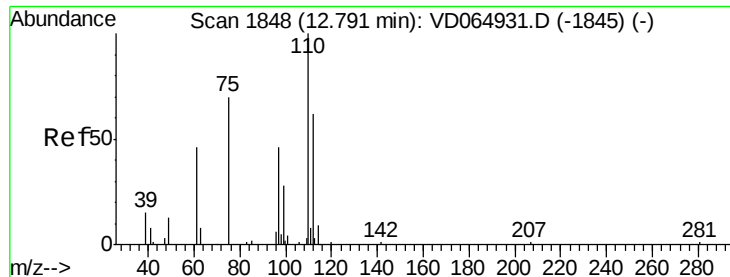
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065029.D
Acq: 31 Jan 2020 12:58

Tgt Ion:152 Resp: 377473
Ion Ratio Lower Upper
152 100
115 55.7 28.1 84.4
150 157.0 0.0 350.4



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: 57.08 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

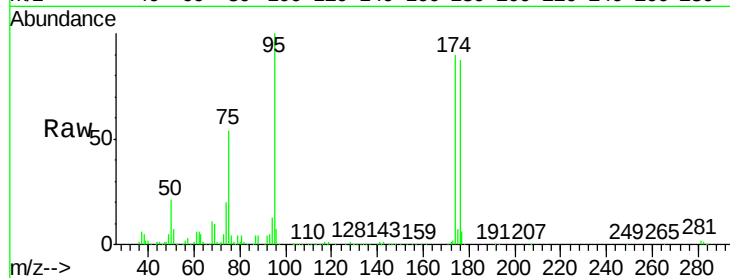
200029

Tgt Ion: 75 Resp: 178843

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

12.64

120000

100000

80000

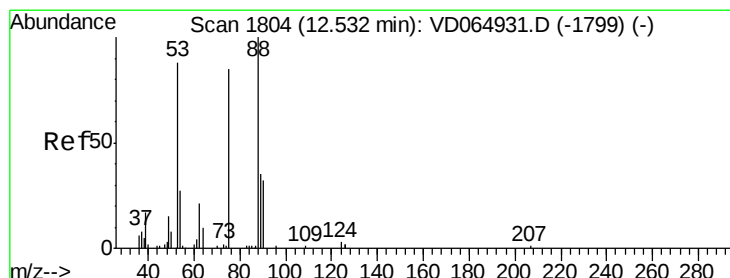
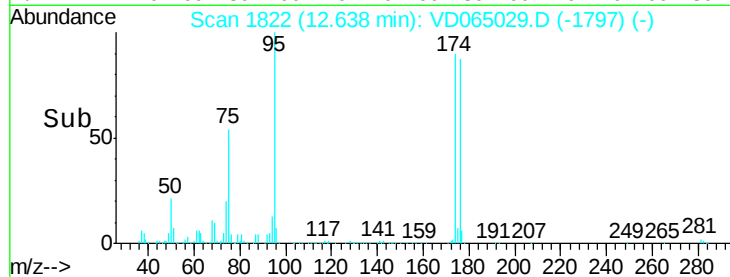
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.88 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065029.D

Acq: 31 Jan 2020 12:58

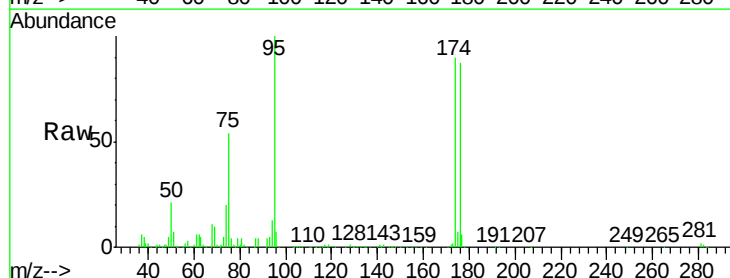
Tgt Ion: 75 Resp: 178843

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.4#

89 0.0 36.2 54.4#



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

150000

100000

50000

0

Time-->

