

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065037.D
 Acq On : 31 Jan 2020 16:47
 Operator : VA/SY
 Sample : L1345-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-A

Quant Time: Jan 31 17:10:41 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	7.98	168	50735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	78371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	86588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	35826	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	39709	81.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	163.20%	
35) Dibromofluoromethane	7.92	113	31584	64.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.26%	
50) Toluene-d8	10.34	98	95497	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	33508	57.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.20%	

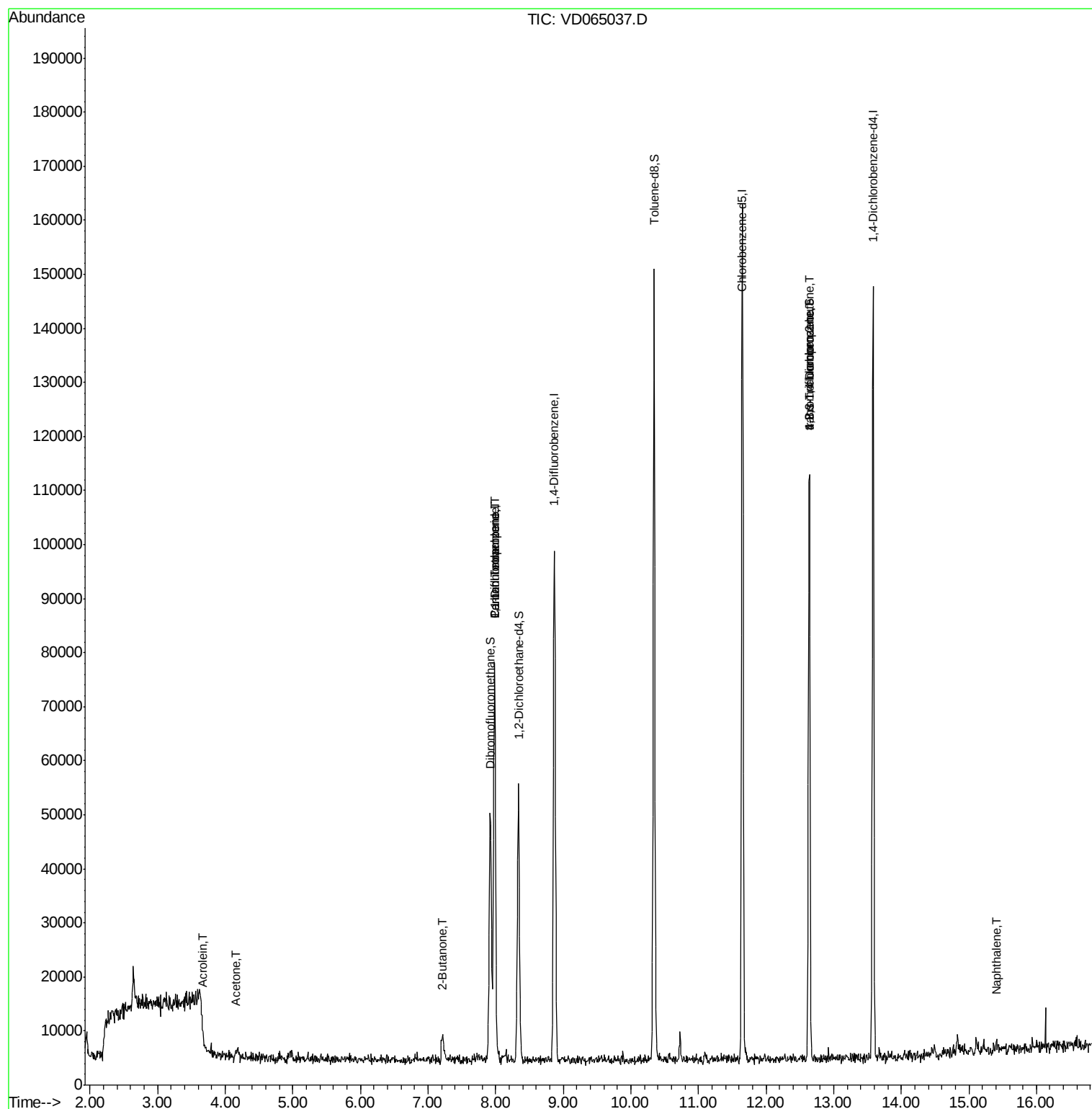
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	80	2.37	ug/l #	12
16) Acetone	4.16	43	1275	22.70	ug/l #	45
20) Methylene Chloride	4.95	84	944	Below Cal	#	38
25) 2-Butanone	7.21	43	138	1.05	ug/l #	49
36) 1,1-Dichloropropene	7.98	75	4321	5.72	ug/l #	45
38) Carbon Tetrachloride	7.98	117	5303	6.64	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	18170	61.10	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	18170	130.47	ug/l #	9
95) Naphthalene	15.41	128	1743	1.60	ug/l #	75

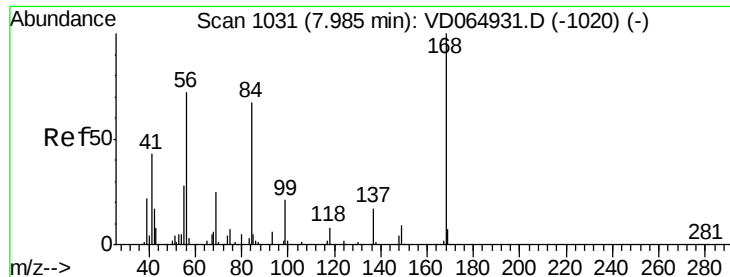
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

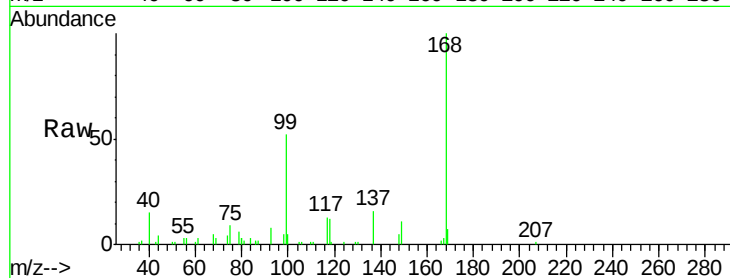
01-31-A

Tgt Ion:168 Resp: 50735

Ion Ratio Lower Upper

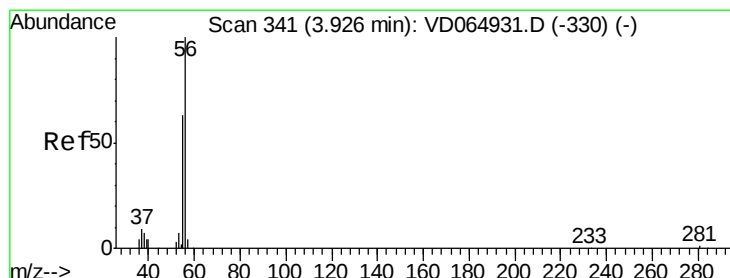
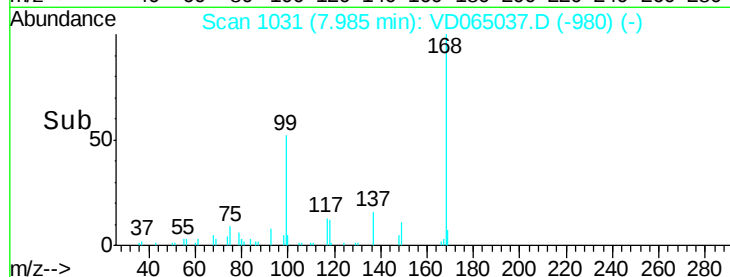
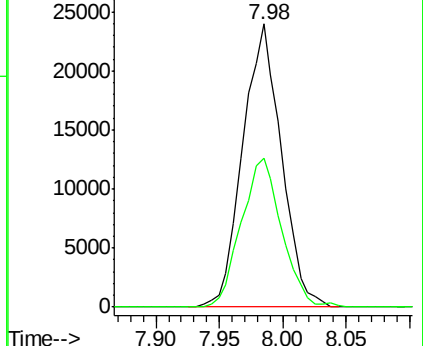
168 100

99 52.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 2.37 ug/l

RT: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065037.D

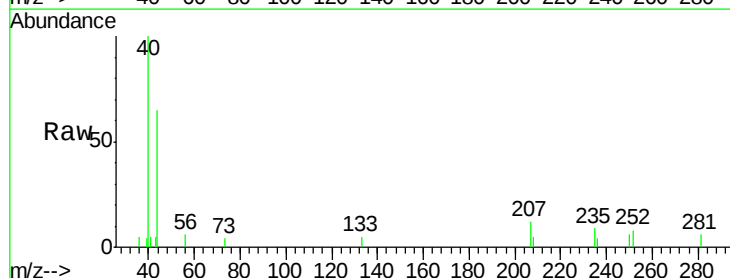
Acq: 31 Jan 2020 16:47

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

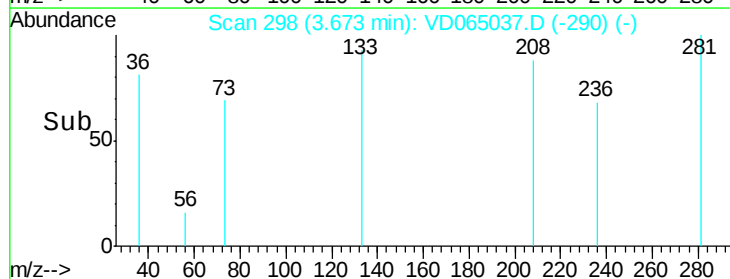
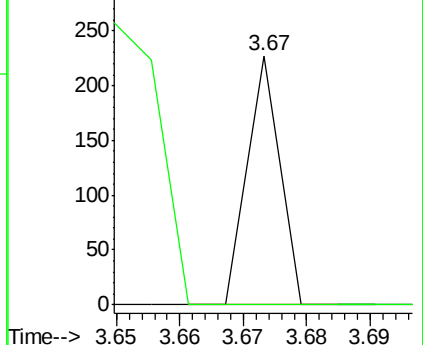
56 100

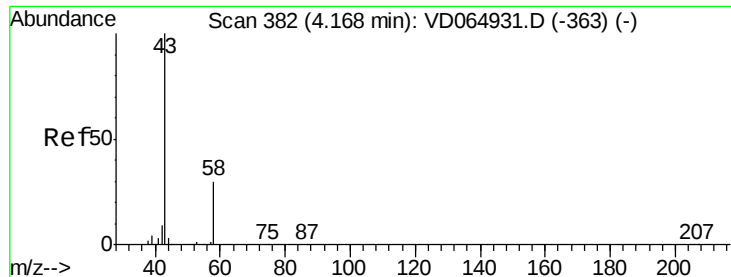
55 0.0 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 22.70 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampled :

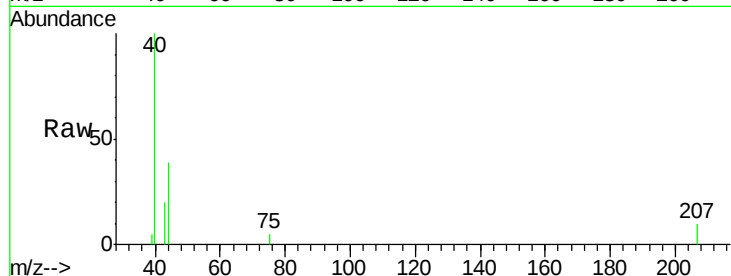
01-31-A

Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

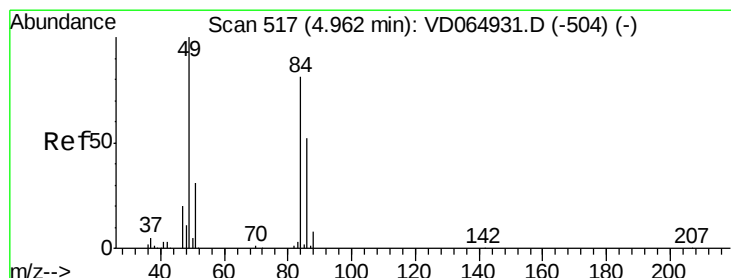
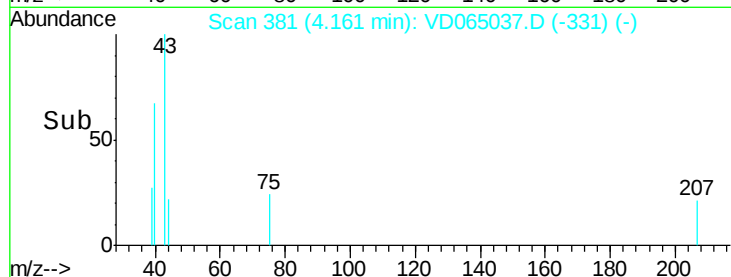
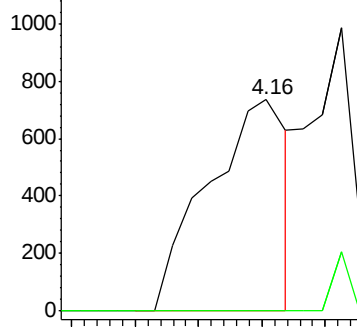
43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Tgt Ion: 84 Resp: 944

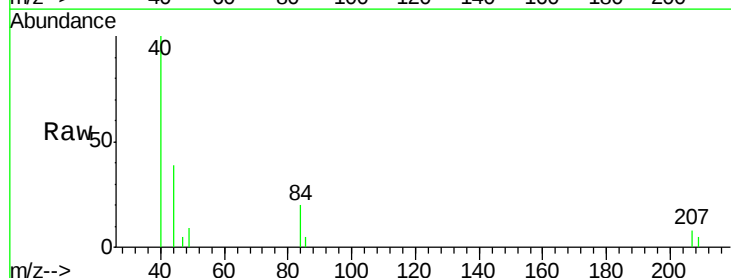
Ion Ratio Lower Upper

84 100

49 46.4 98.4 147.6#

51 0.0 30.8 46.2#

86 26.0 51.0 76.6#

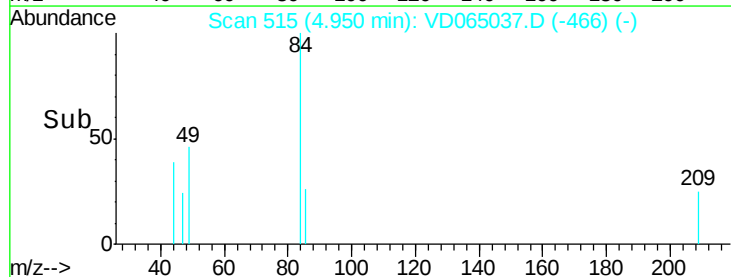
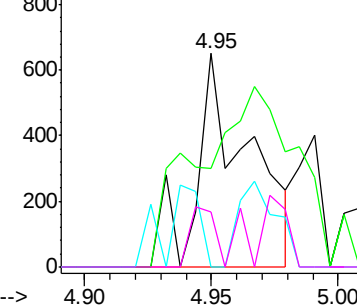


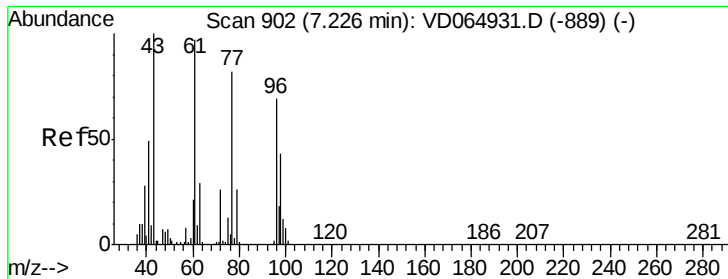
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.05 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

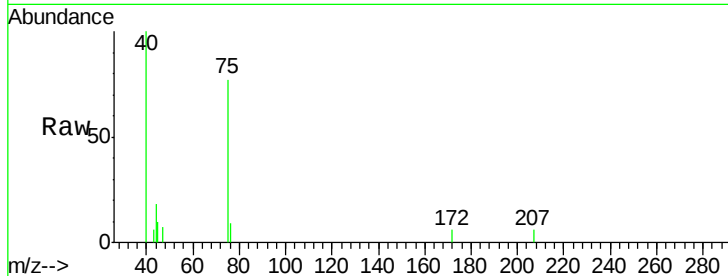
01-31-A

Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

250

200

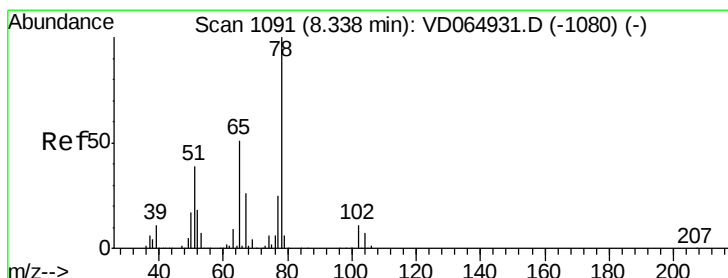
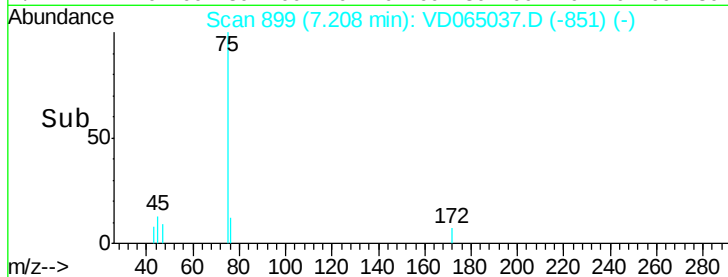
150

100

50

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 81.60 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065037.D

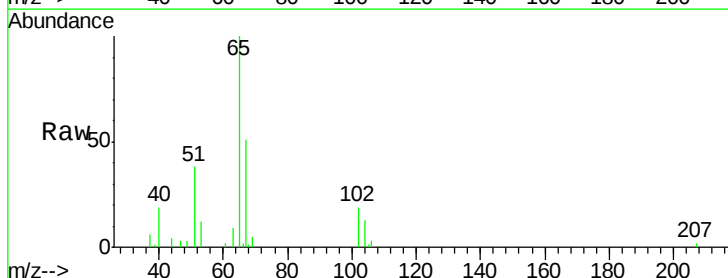
Acq: 31 Jan 2020 16:47

Tgt Ion: 65 Resp: 39709

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

20000

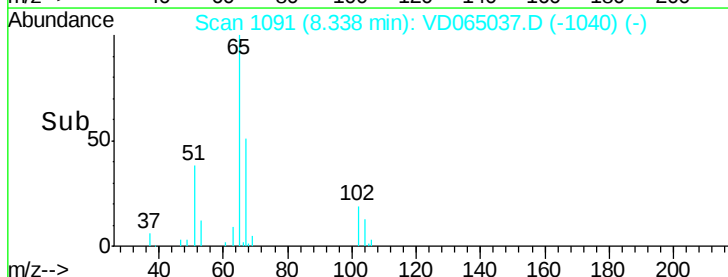
15000

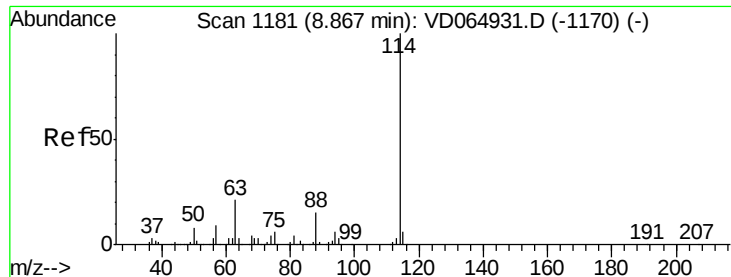
10000

5000

0

Time-->

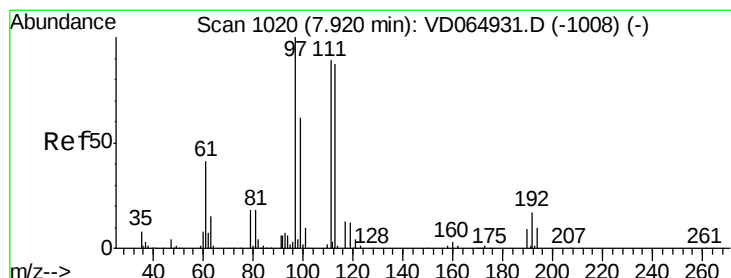
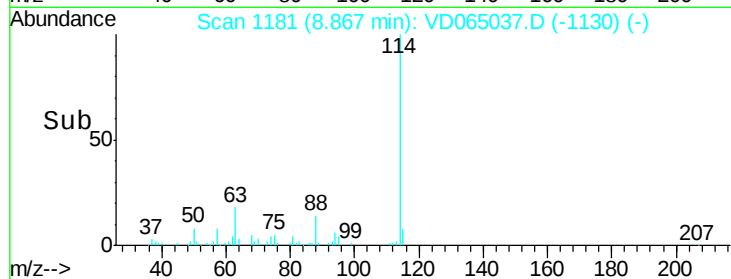
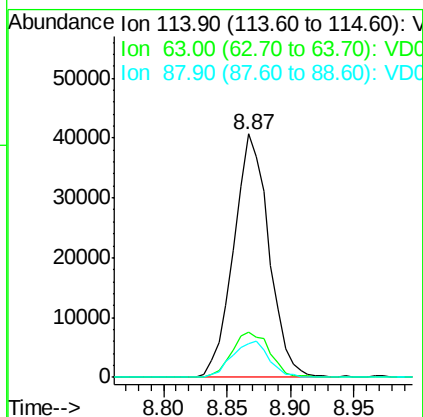
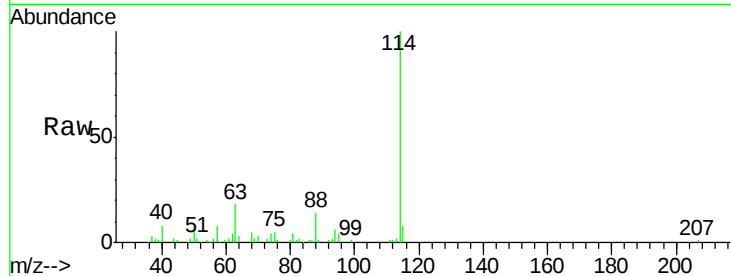




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065037.D
 Acq: 31 Jan 2020 16:47

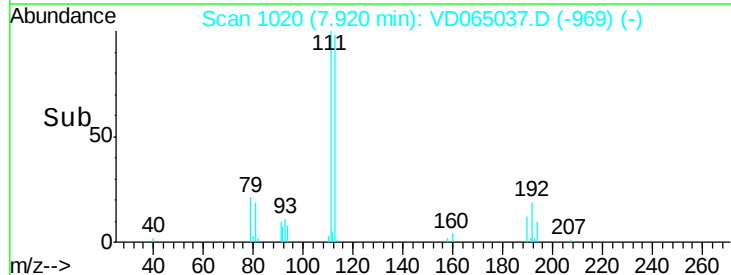
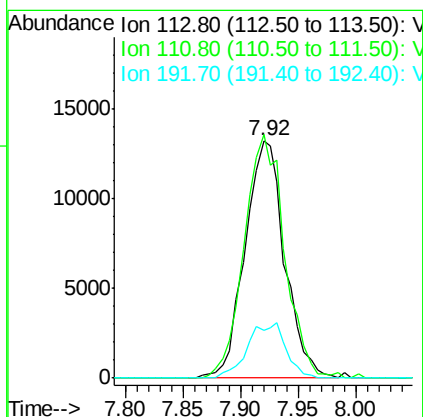
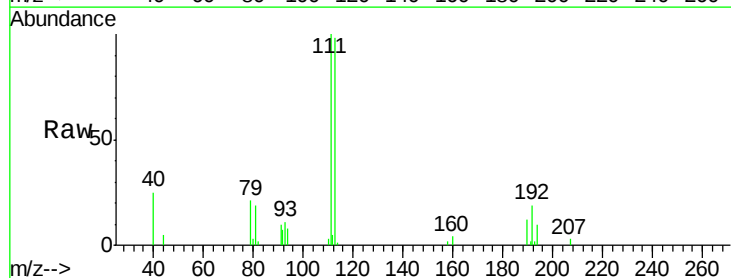
Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-A

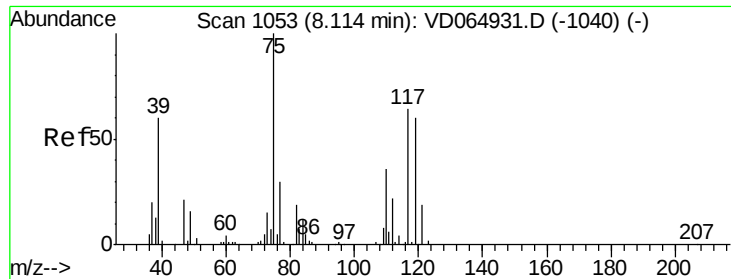
Tgt Ion:114 Resp: 78371
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.0
 88 13.6 0.0 29.4



#35
 Dibromofluoromethane
 Concen: 64.13 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065037.D
 Acq: 31 Jan 2020 16:47

Tgt Ion:113 Resp: 31584
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.4 123.6
 192 22.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.72 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

01-31-A

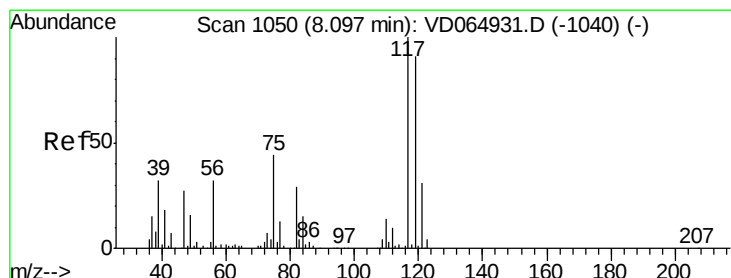
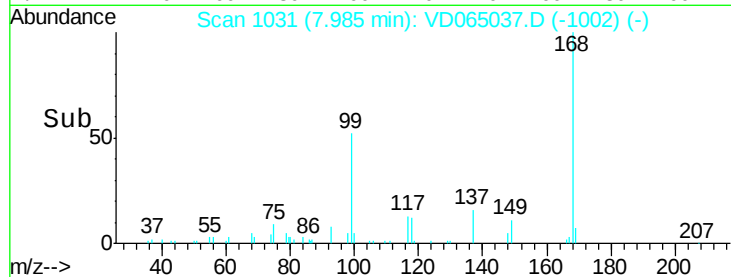
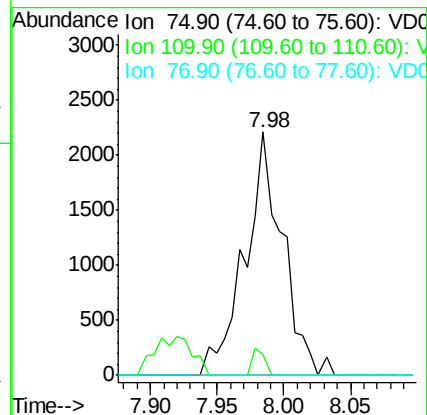
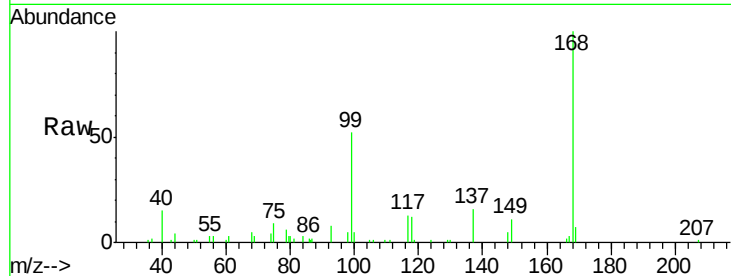
Tgt Ion: 75 Resp: 4321

Ion Ratio Lower Upper

75 100

110 3.6 17.3 52.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.64 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

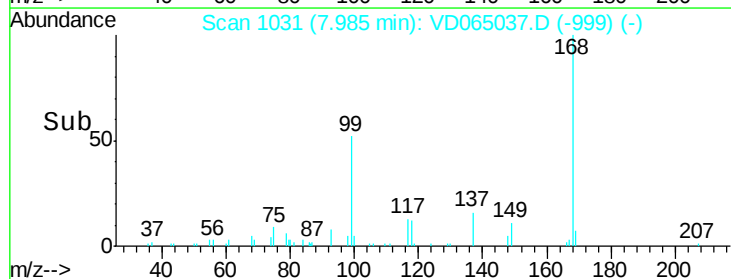
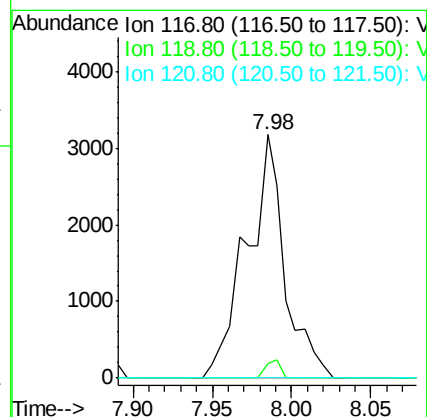
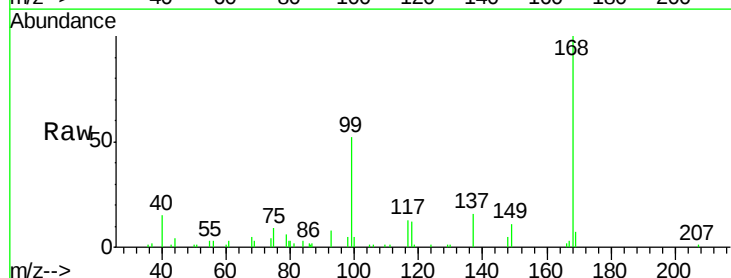
Tgt Ion: 117 Resp: 5303

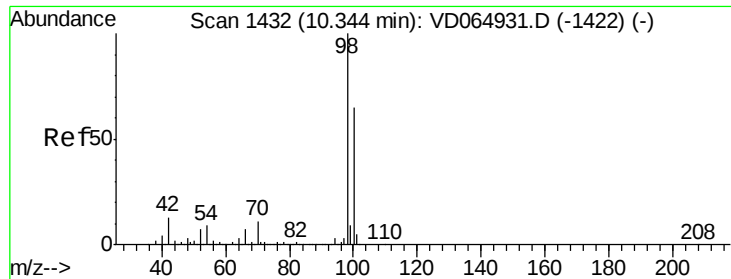
Ion Ratio Lower Upper

117 100

119 5.8 73.2 109.8#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.24 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

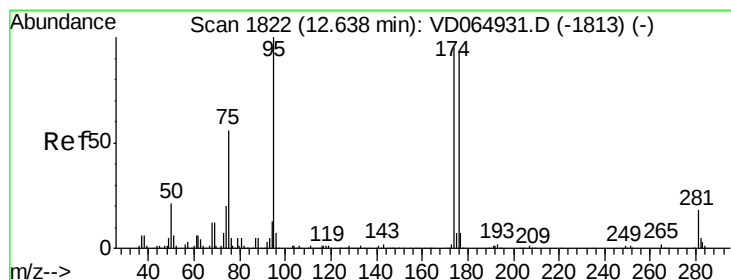
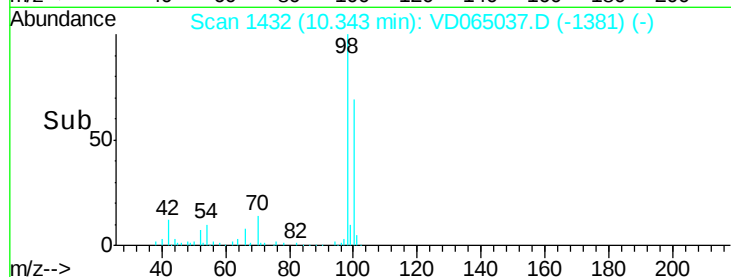
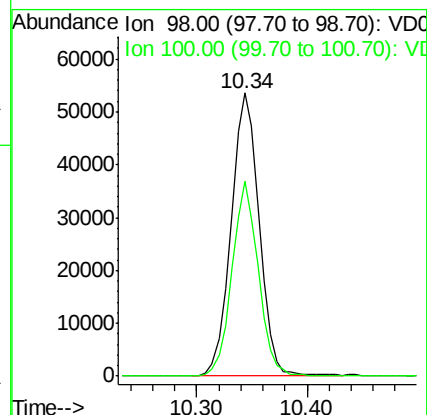
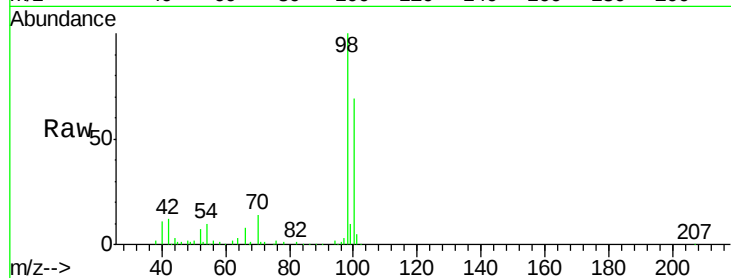
01-31-A

Tgt Ion: 98 Resp: 95497

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 57.60 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

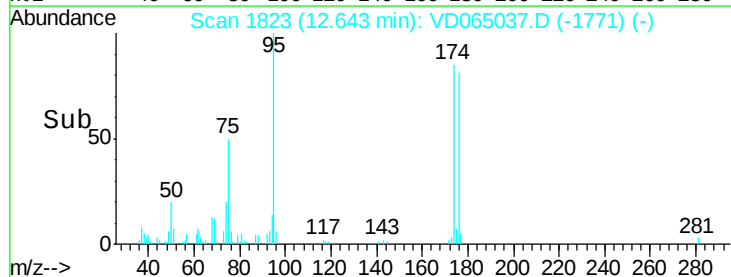
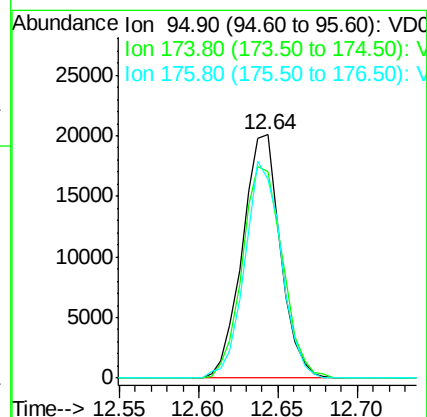
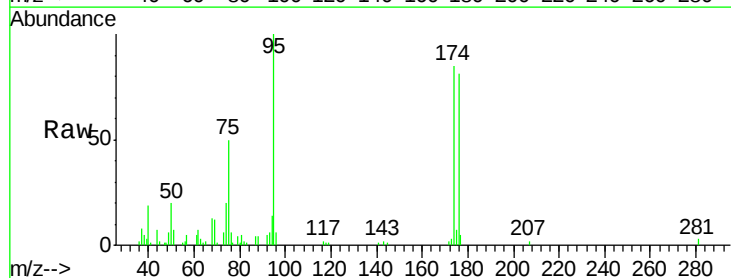
Tgt Ion: 95 Resp: 33508

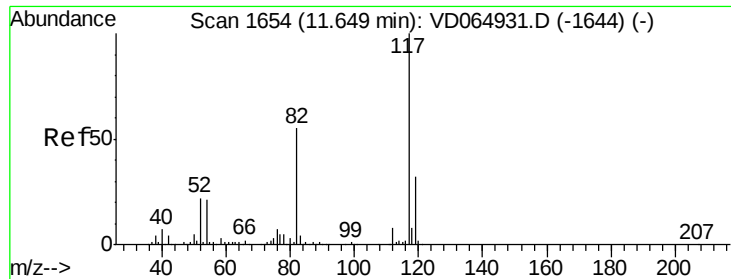
Ion Ratio Lower Upper

95 100

174 92.1 0.0 186.8

176 85.5 0.0 183.4

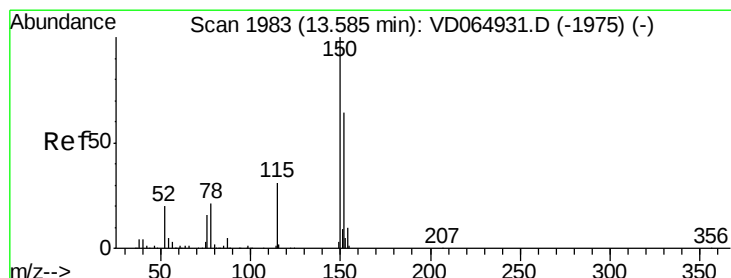
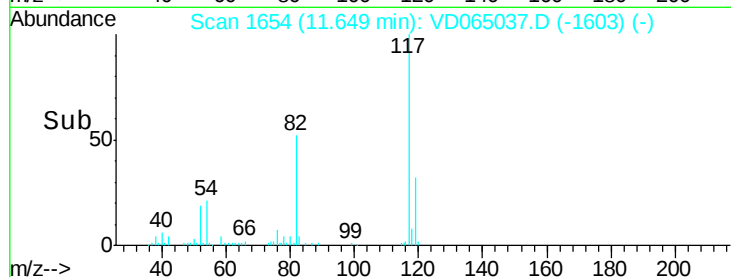
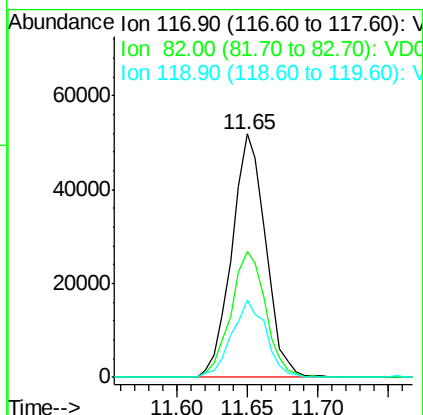
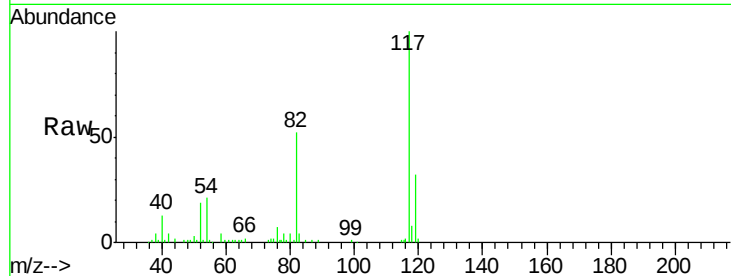




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065037.D
Acq: 31 Jan 2020 16:47

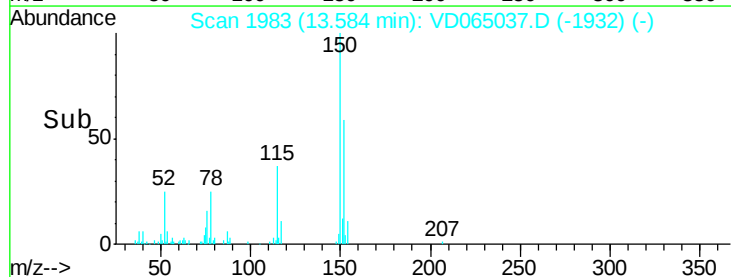
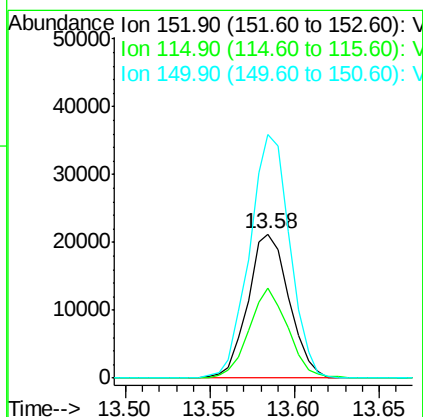
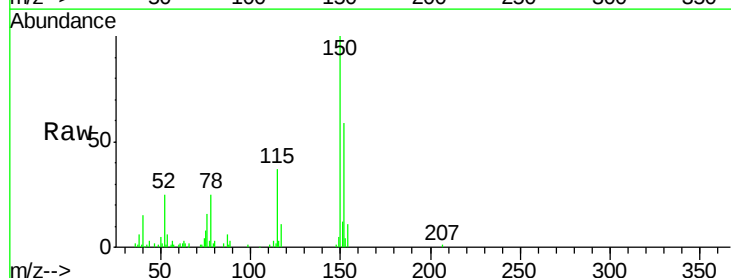
Instrument :
MSVOA_D
ClientSampleId :
01-31-A

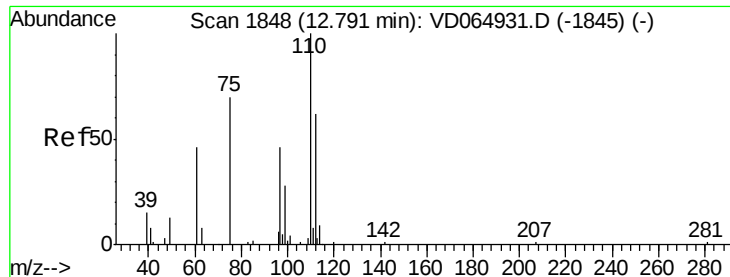
Tgt Ion:117 Resp: 86588
Ion Ratio Lower Upper
117 100
82 51.7 43.6 65.4
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065037.D
Acq: 31 Jan 2020 16:47

Tgt Ion:152 Resp: 35826
Ion Ratio Lower Upper
152 100
115 59.2 28.1 84.4
150 165.9 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 61.10 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

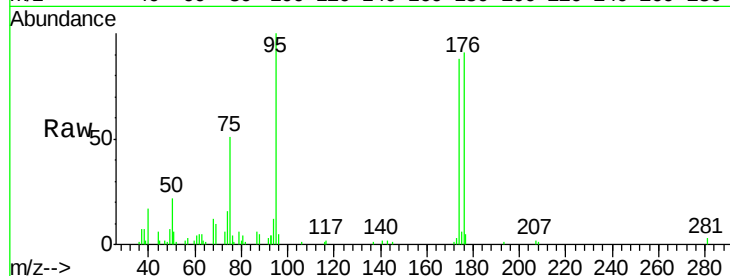
01-31-A

Tgt Ion: 75 Resp: 18170

Ion Ratio Lower Upper

75 100

77 0.7 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

10000

8000

6000

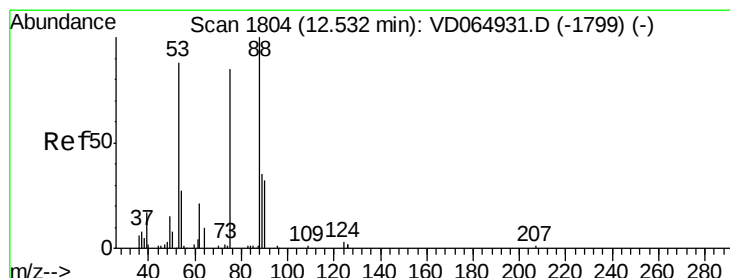
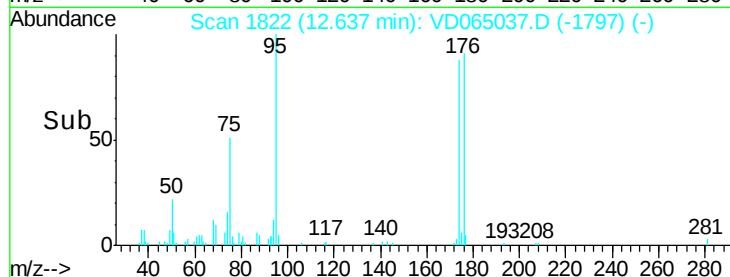
4000

2000

0

12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 130.47 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065037.D

Acq: 31 Jan 2020 16:47

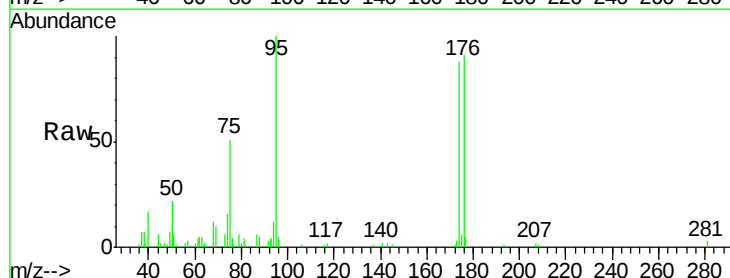
Tgt Ion: 75 Resp: 18170

Ion Ratio Lower Upper

75 100

53 0.0 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

12.64

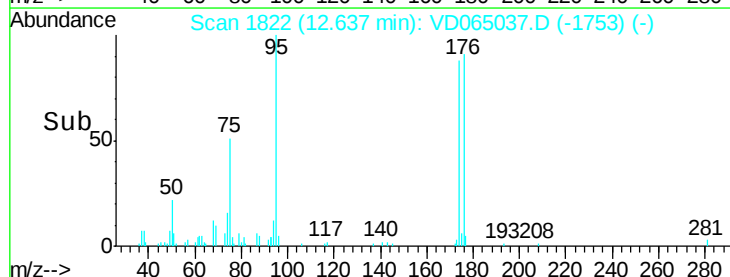
10000

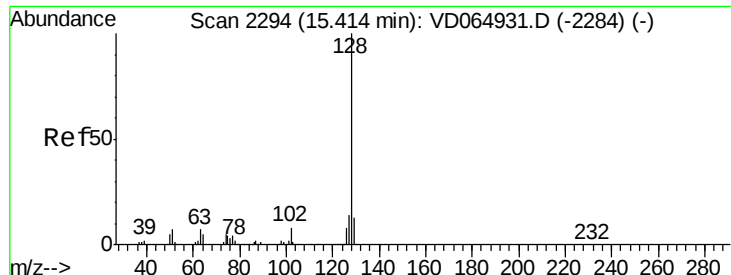
5000

0

12.60 12.65 12.70

Time-->

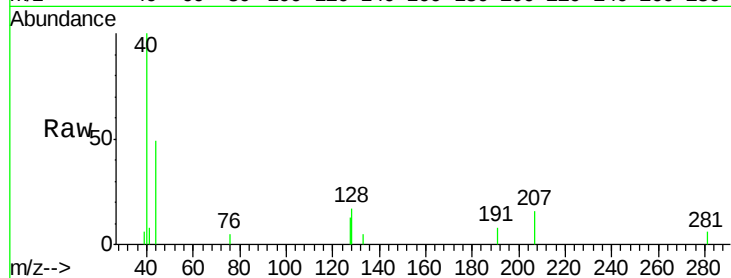




#95
 Naphthalene
 Concen: 1.60 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD065037.D
 Acq: 31 Jan 2020 16:47

Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-A

Tgt Ion:128 Resp: 1743
 Ion Ratio Lower Upper
 128 100
 127 4.8 10.6 15.8#
 129 0.0 9.3 13.9#



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

