

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064367.D
 Acq On : 25 Nov 2019 18:25
 Operator : VA/SY
 Sample : K6018-01
 Misc : 7.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:37:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	767437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1171702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1047538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	497042	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	336498	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	7.92	113	360176	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
50) Toluene-d8	10.34	98	1389143	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.64	95	447878	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

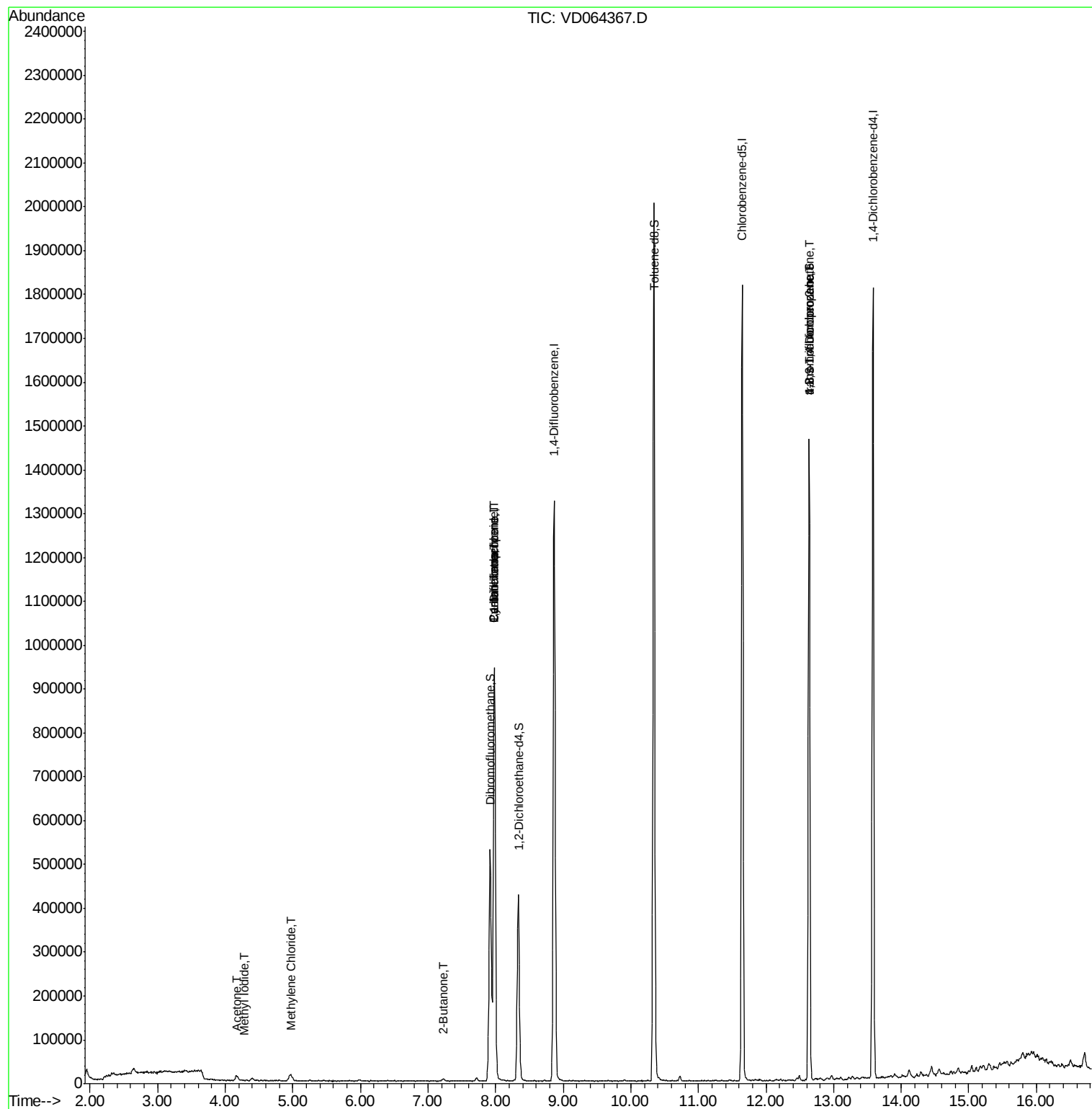
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	60	2.039	ug/l #	41
16) Acetone	4.16	43	20404	13.646	ug/l #	84
20) Methylene Chloride	4.97	84	10729	1.420	ug/l	89
25) 2-Butanone	7.23	43	6033	3.123	ug/l	98
31) Cyclohexane	7.98	56	15539	1.254	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	50420	4.663	ug/l #	49
38) Carbon Tetrachloride	7.98	117	68718	5.939	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	231064	57.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	231064	114.645	ug/l #	10

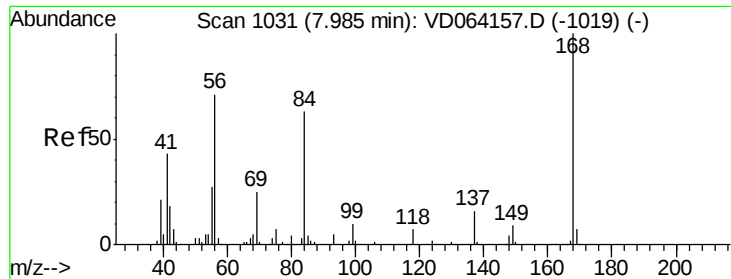
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

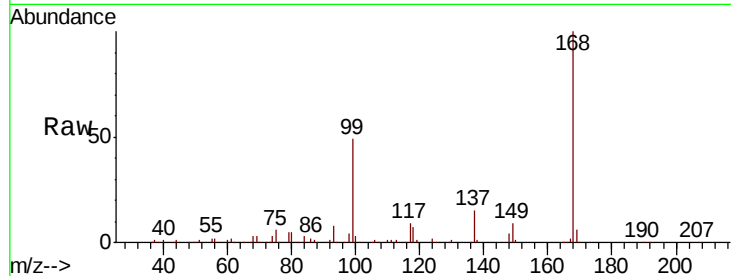
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 767437

Ion Ratio Lower Upper

168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

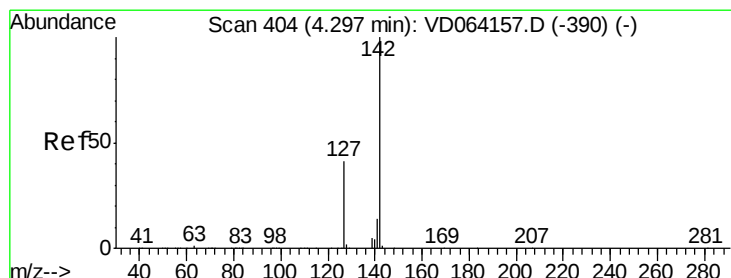
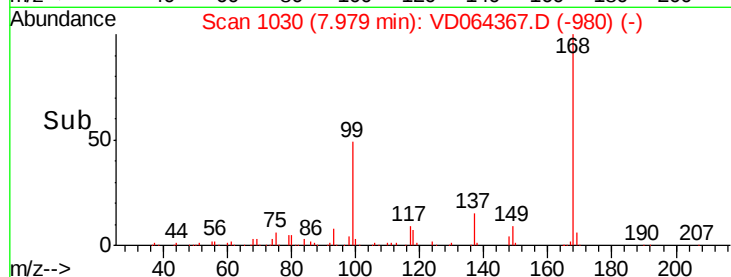
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.039 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

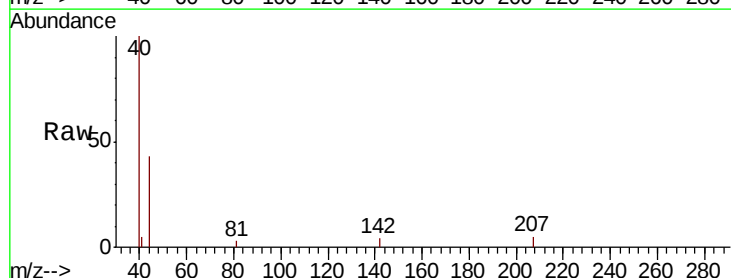
Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



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

4.29

200

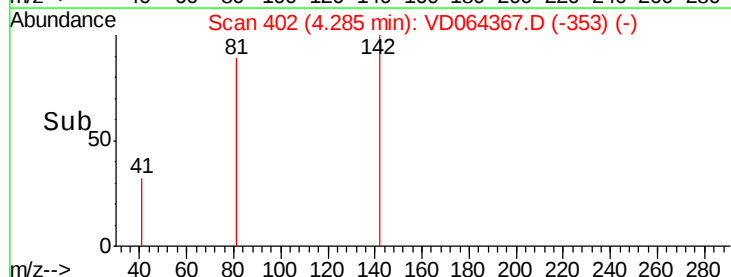
150

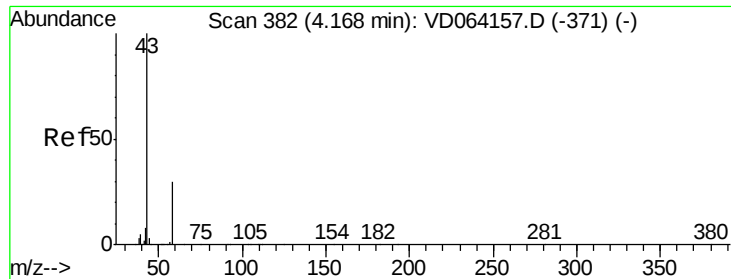
100

50

0

Time-->

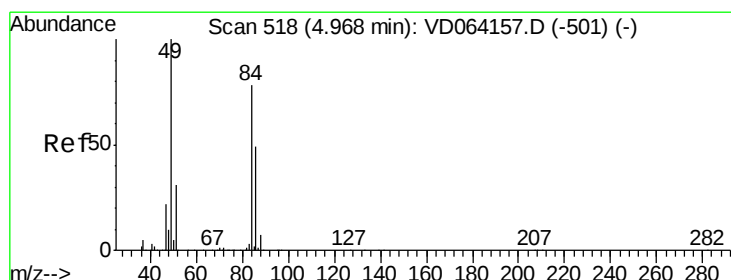
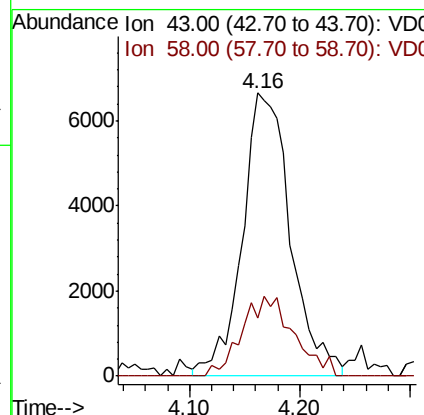
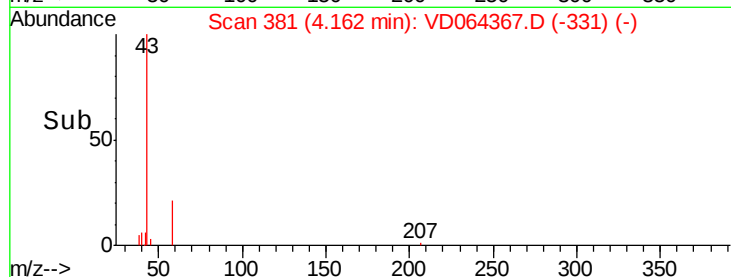
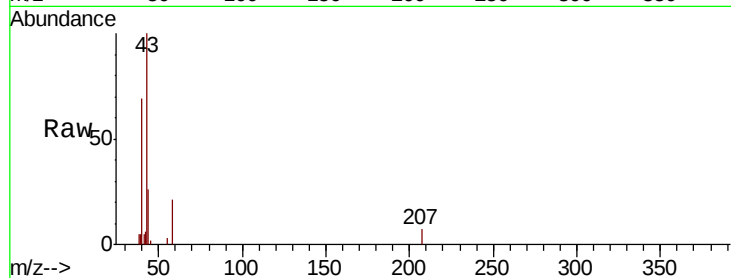




#16
Acetone
Concen: 13.646 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

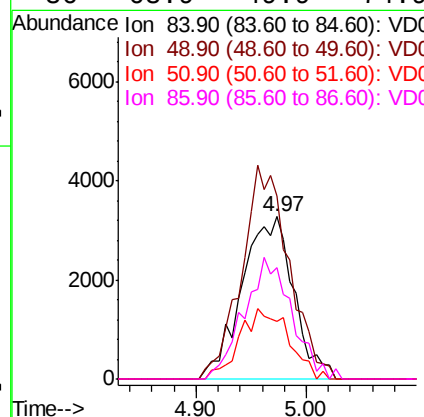
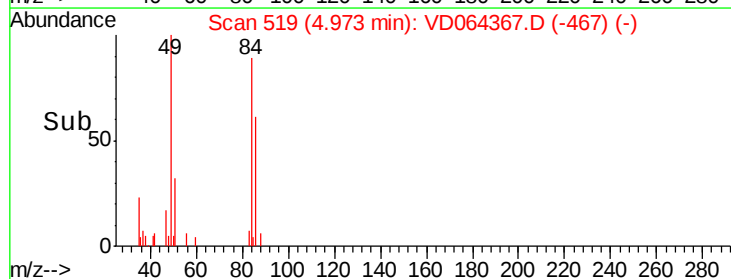
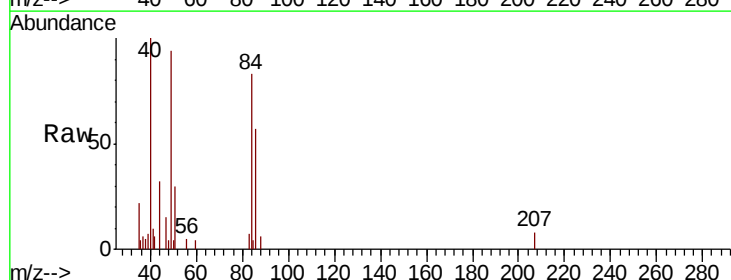
Instrument :
MSVOA_D
ClientSampleId :

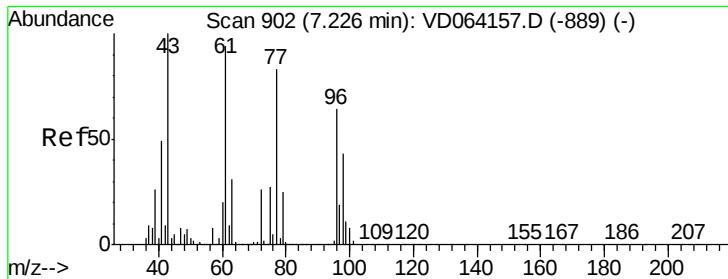
Tot Ion: 43 Resp: 20404
Ion Ratio Lower Upper
43 100
58 21.2 24.1 36.1#



#20
Methylene Chloride
Concen: 1.420 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

Tgt Ion: 84 Resp: 10729
Ion Ratio Lower Upper
84 100
49 112.6 102.1 153.1
51 35.9 32.2 48.2
86 68.9 49.9 74.9





#25

2-Butanone

Concen: 3.123 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

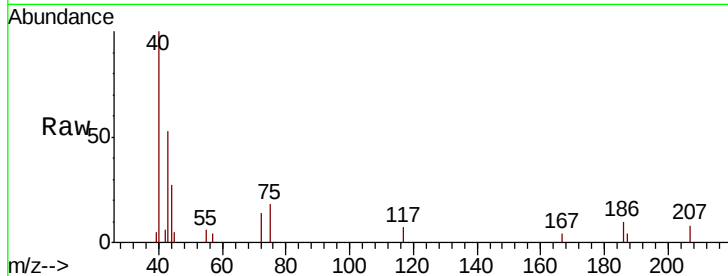
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 6033

Ion Ratio Lower Upper

43 100

72 26.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

2500

2000

1500

1000

500

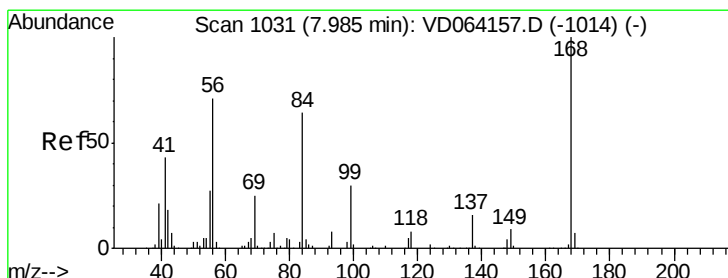
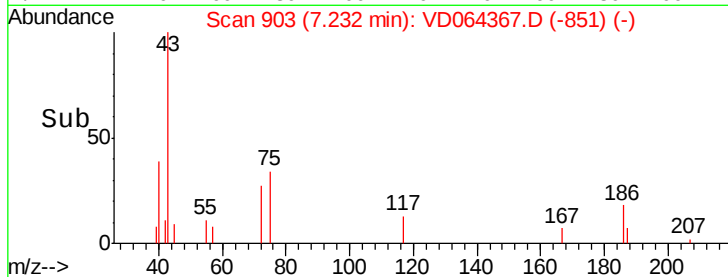
0

7.10

7.20

7.30

Time-->



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

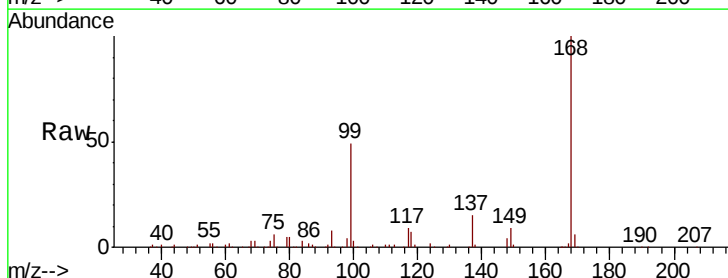
Tgt Ion: 56 Resp: 15539

Ion Ratio Lower Upper

56 100

69 119.0 28.2 42.4#

84 113.0 71.8 107.6#



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

12000

10000

8000

6000

4000

2000

0

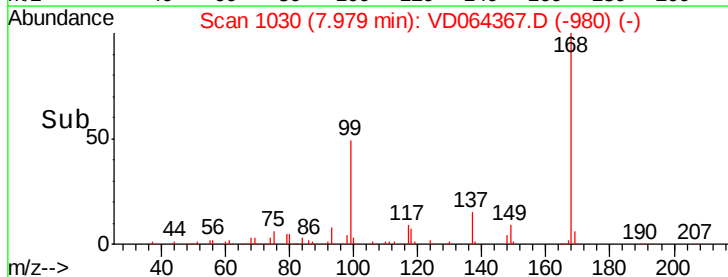
7.90

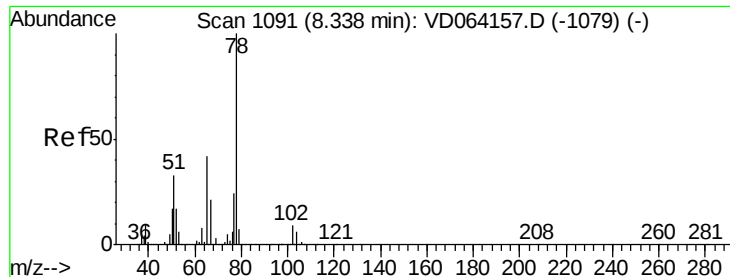
7.95

8.00

8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.313 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

Instrument :

MSVOA_D

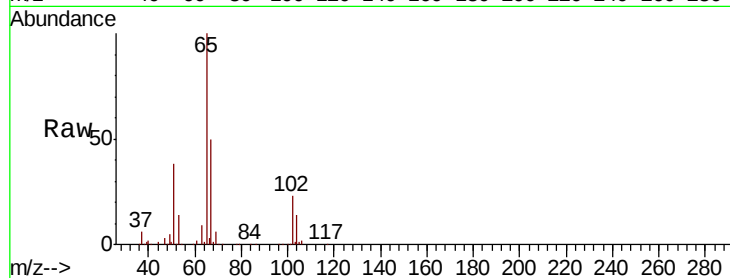
ClientSampleId :

Tot Ion: 65 Resp: 336498

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

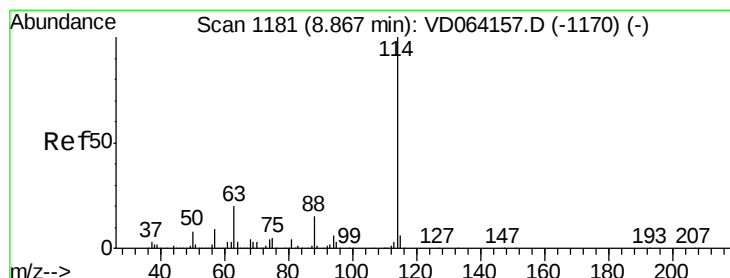
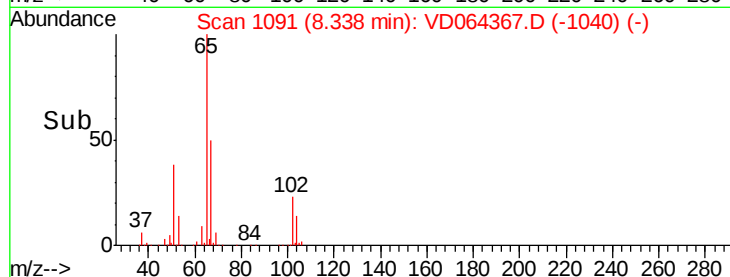
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

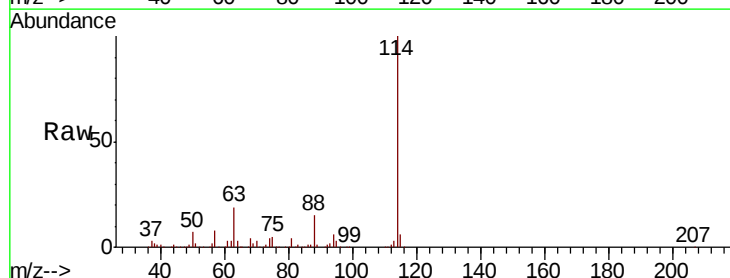
Tgt Ion:114 Resp: 1171702

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

800000

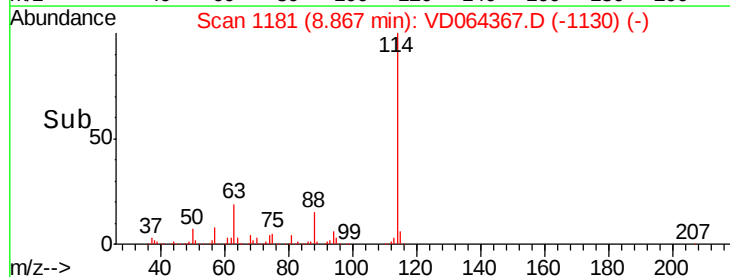
600000

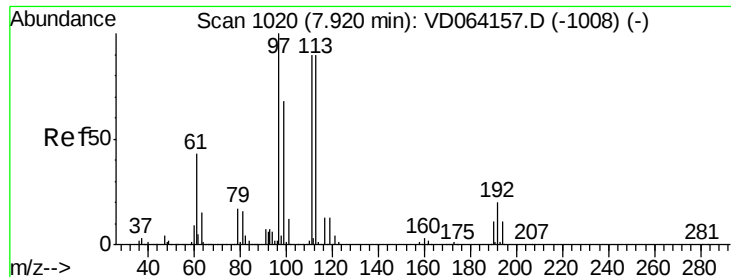
400000

200000

0

Time--> 8.80 8.90 9.00

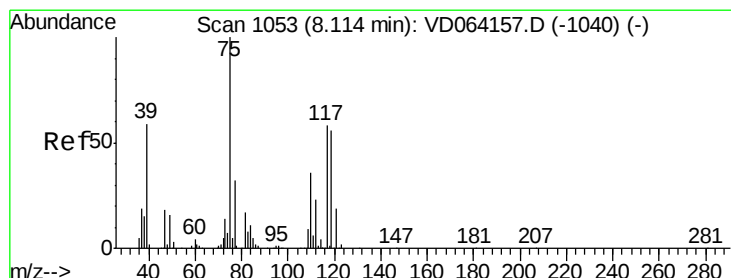
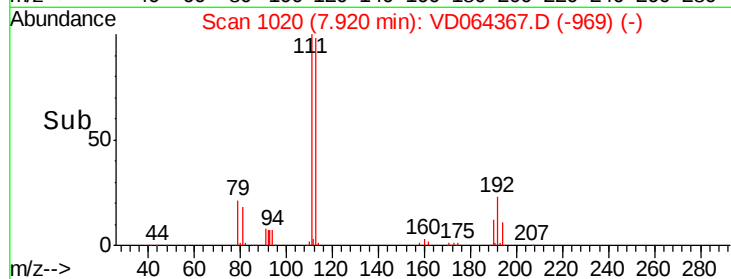
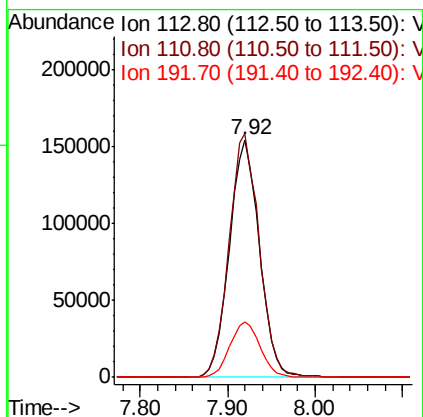
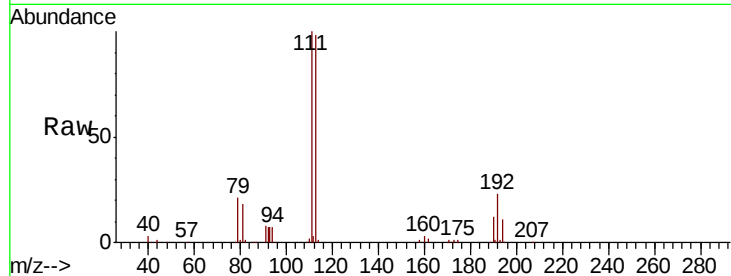




#35
Dibromofluoromethane
Concen: 53.552 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

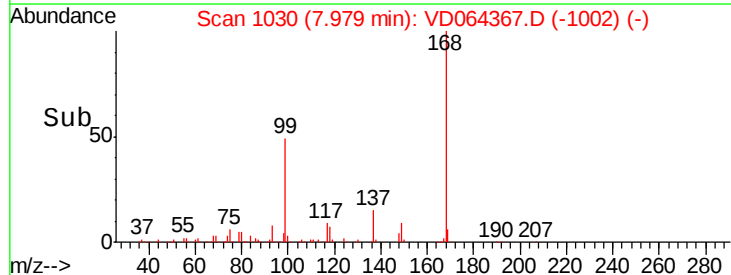
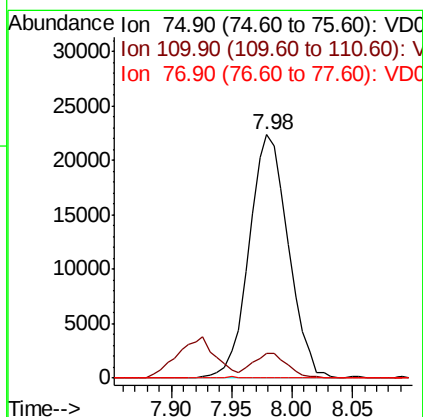
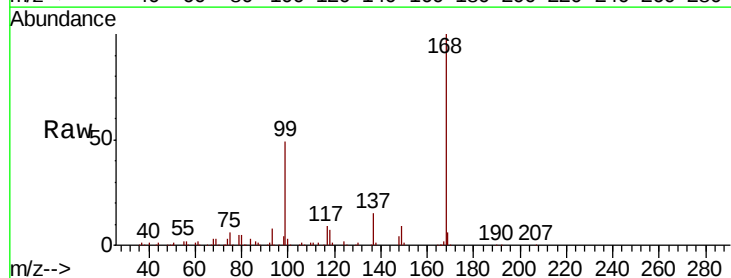
Instrument :
MSVOA_D
ClientSampleId :

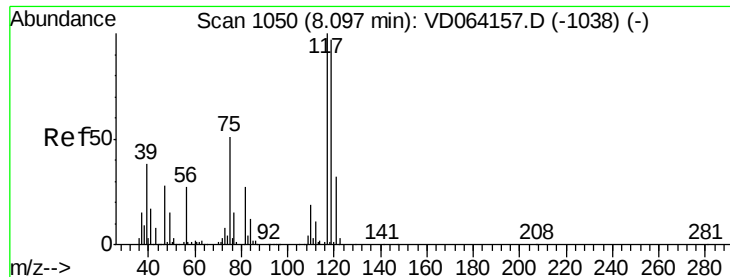
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	23.6	18.8	28.2



#36
1,1-Dichloropropene
Concen: 4.663 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.939 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

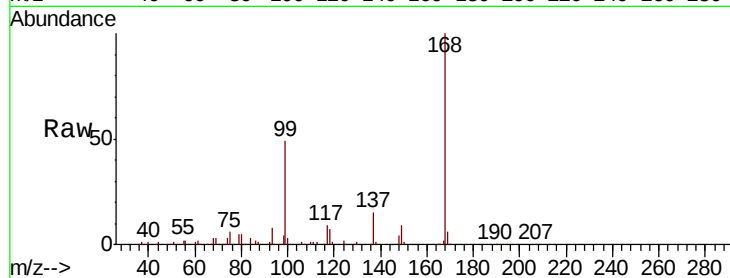
Tot Ion:117 Resp: 68718

Ion Ratio Lower Upper

117 100

119 7.1 77.2 115.8#

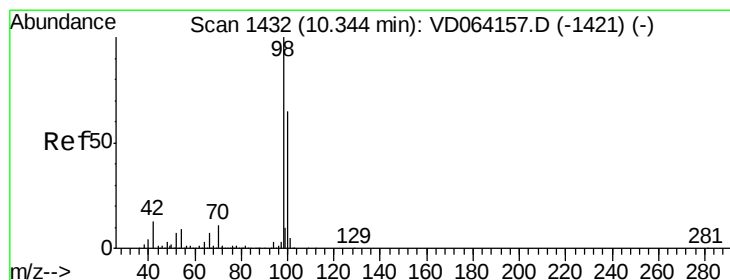
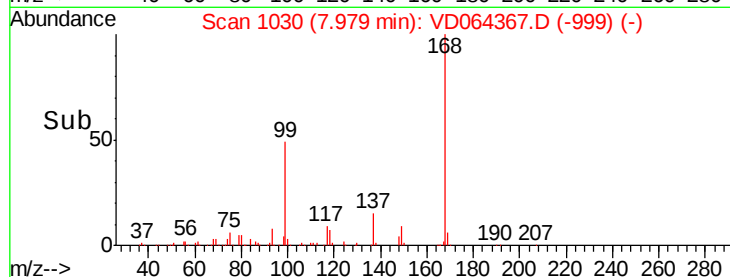
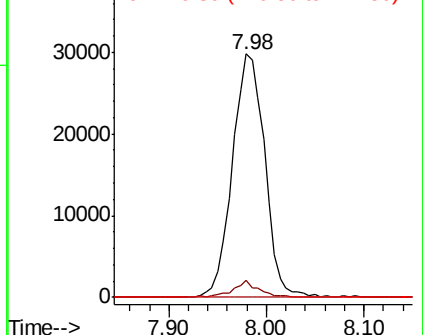
121 0.0 25.5 38.3#



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



#50

Toluene-d8

Concen: 54.750 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064367.D

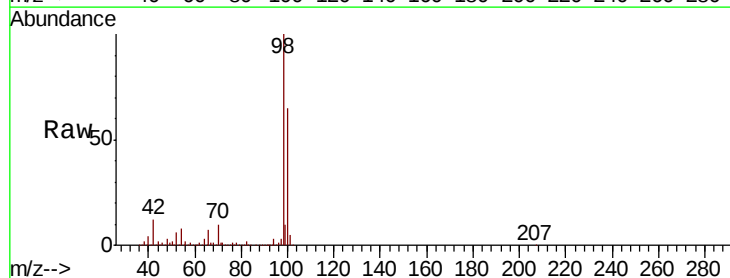
Acq: 25 Nov 2019 18:25

Tgt Ion: 98 Resp: 1389143

Ion Ratio Lower Upper

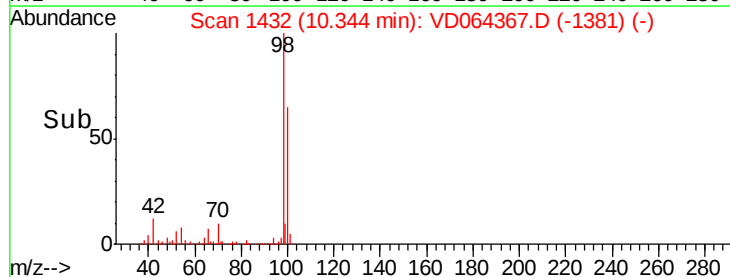
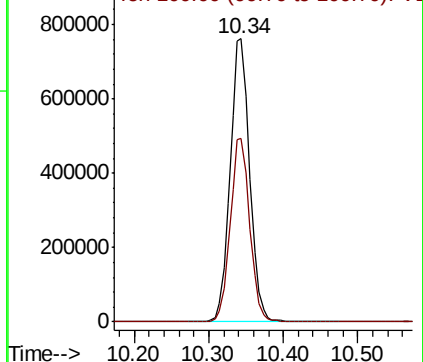
98 100

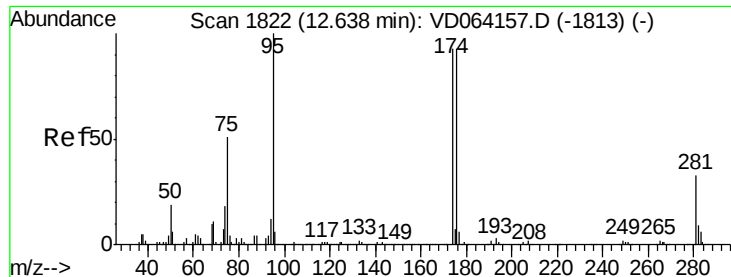
100 64.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

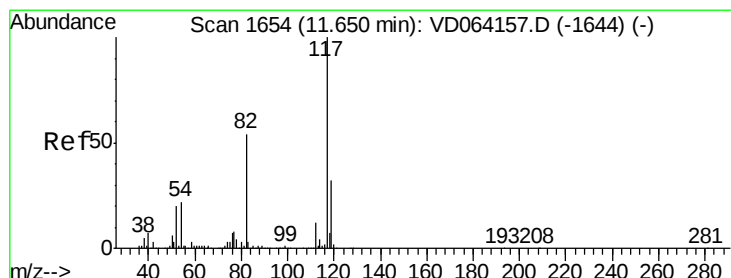
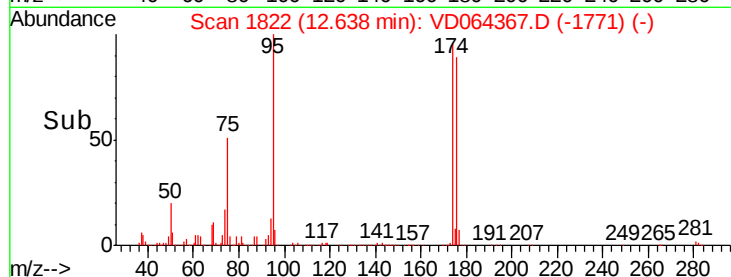
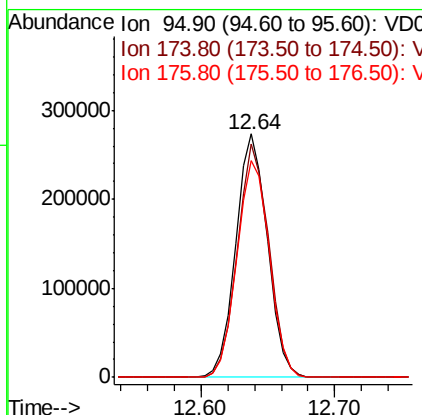
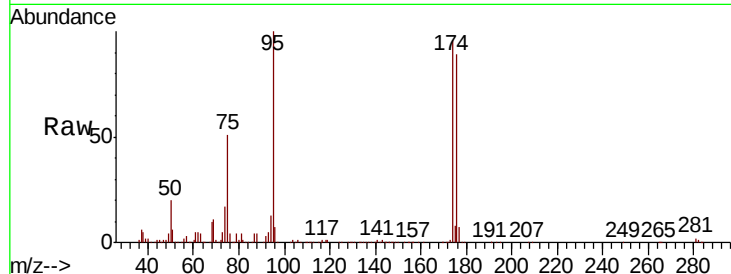




#62
4-Bromofluorobenzene
Concen: 50.973 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

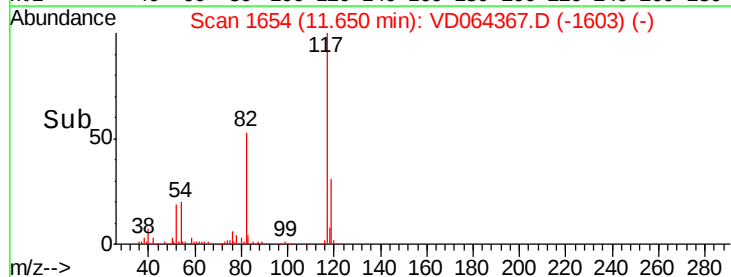
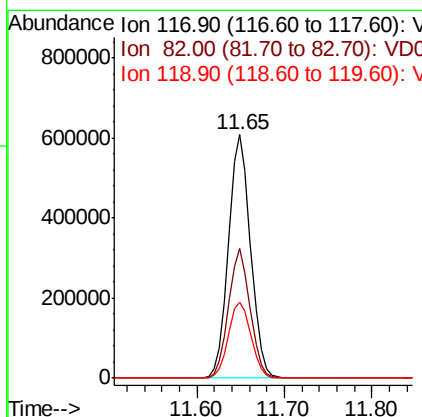
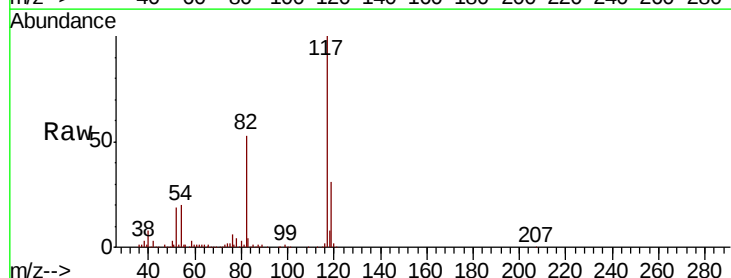
Instrument :
MSVOA_D
ClientSampled :

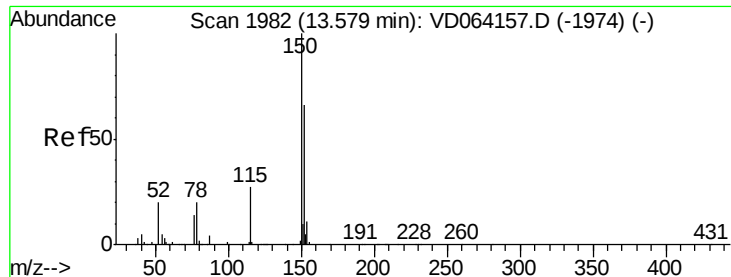
Tot Ion: 95 Resp: 447878
Ion Ratio Lower Upper
95 100
174 95.0 0.0 183.6
176 91.5 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064367.D
Acq: 25 Nov 2019 18:25

Tgt Ion: 117 Resp: 1047538
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 31.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

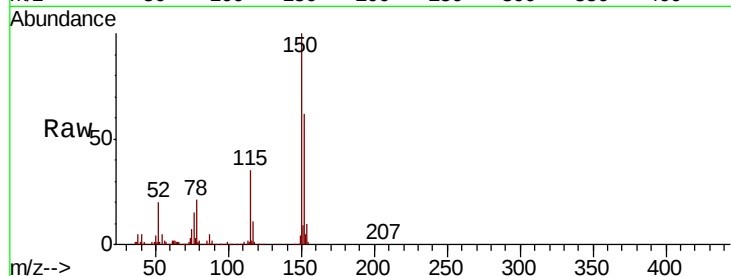
Tot Ion:152 Resp: 497042

Ion Ratio Lower Upper

152 100

115 54.1 27.4 82.2

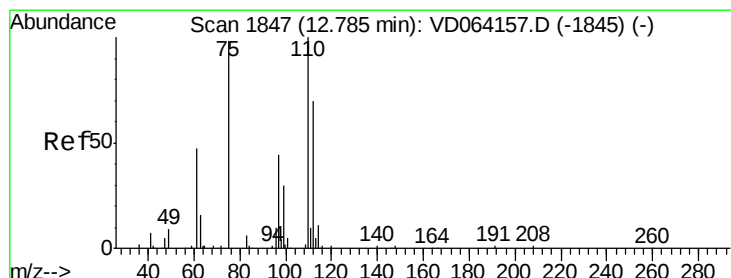
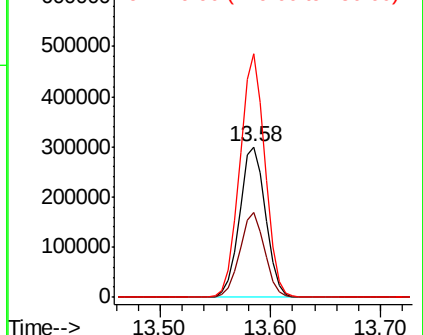
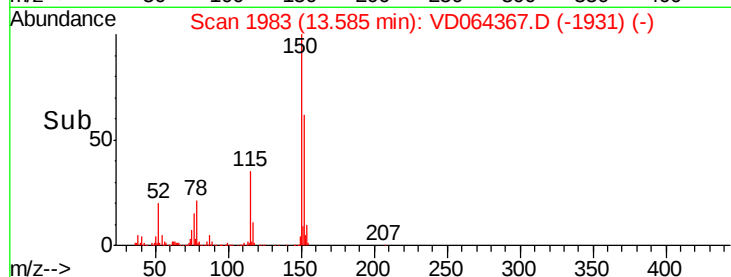
150 156.2 0.0 351.6



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: 57.715 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064367.D

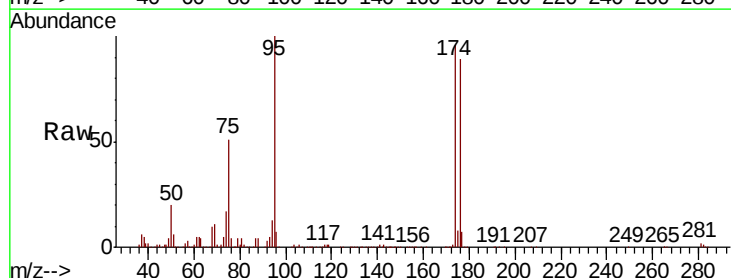
Acq: 25 Nov 2019 18:25

Tgt Ion: 75 Resp: 231064

Ion Ratio Lower Upper

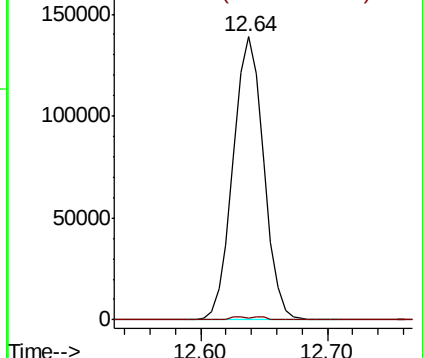
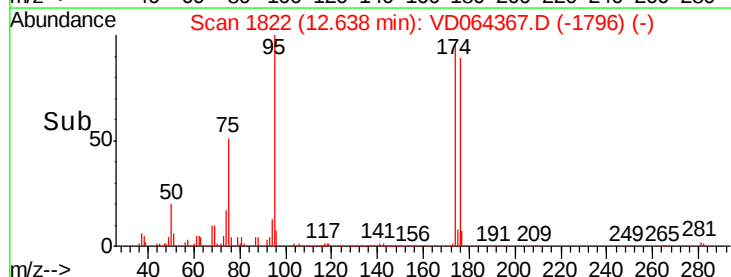
75 100

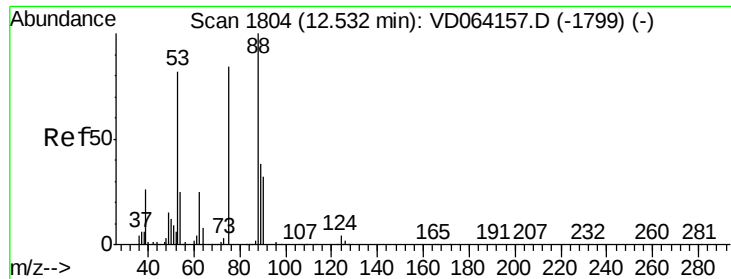
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.645 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064367.D

Acq: 25 Nov 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

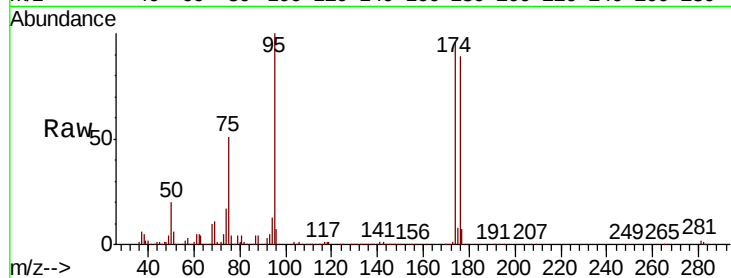
Tot Ion: 75 Resp: 231064

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

89 0.0 36.6 55.0#



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

