

Data File : VD064234.D
Acq On : 15 Nov 2019 18:28
Operator : VA/SY
Sample : K5839-04
Misc : 4.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-02

Quant Time: Nov 16 04:53:42 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	782451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1170758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1055395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	520743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	388696	60.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.80%	
35) Dibromofluoromethane	7.92	113	369549	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.34	98	1366832	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.64	95	461533	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

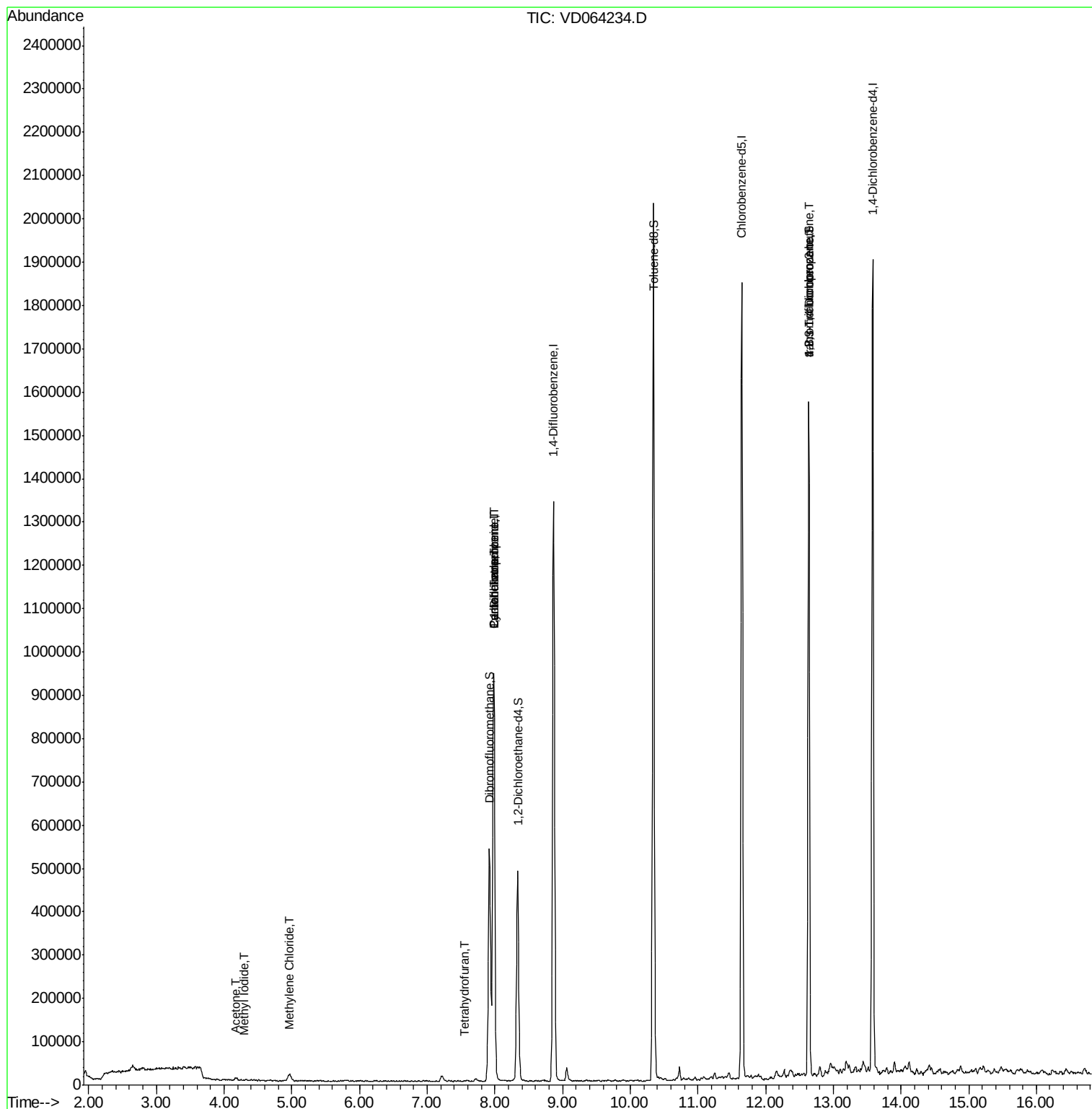
						Qvalue
10) Methyl Iodide	4.30	142	63	2.039	ug/l #	41
16) Acetone	4.17	43	9917	6.505	ug/l #	81
20) Methylene Chloride	4.96	84	10844	1.408	ug/l #	89
29) Tetrahydrofuran	7.56	42	1838	1.553	ug/l #	47
31) Cyclohexane	7.98	56	15597	1.235	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	52179	4.829	ug/l #	51
38) Carbon Tetrachloride	7.98	117	70627	6.109	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	240767	57.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	240767	114.022	ug/l #	10

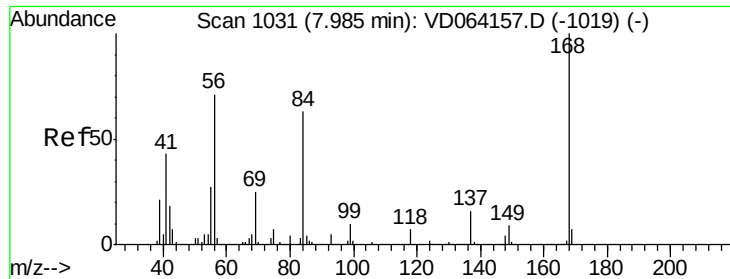
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064234.D

Acq: 15 Nov 2019 18:28

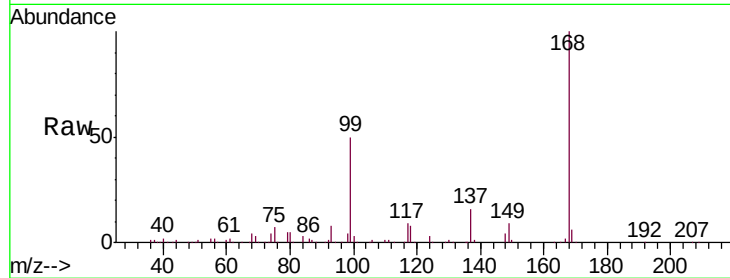
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-02

Tgt Ion:168 Resp: 782451

Ion Ratio Lower Upper

168 100

99 49.8 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

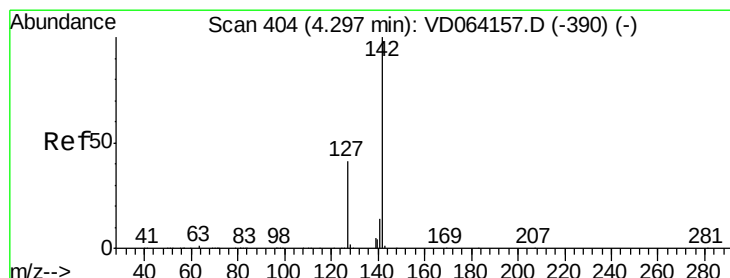
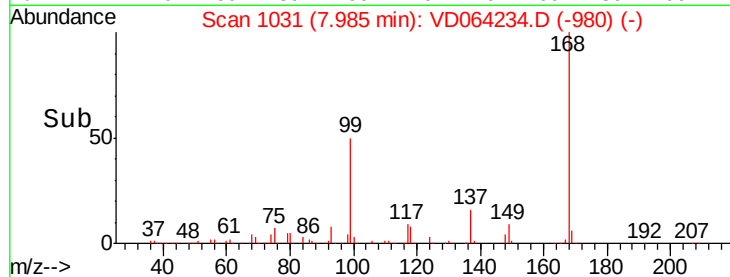
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.039 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

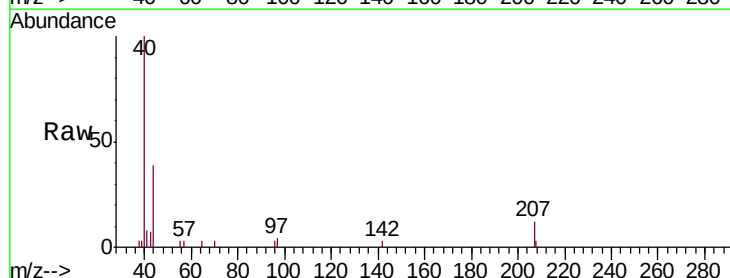
Tgt Ion:142 Resp: 63

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

4.30

250

200

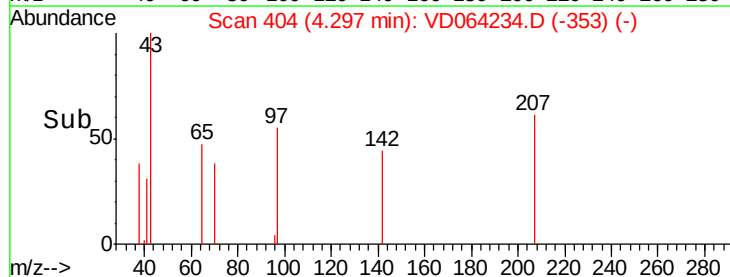
150

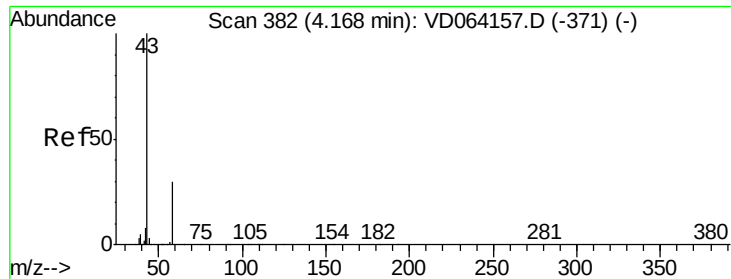
100

50

0

Time-->





#16

Acetone

Concen: 6.505 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

Instrument :

MSVOA_D

ClientSampleId :

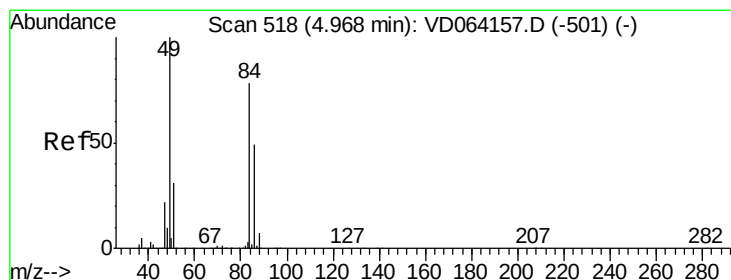
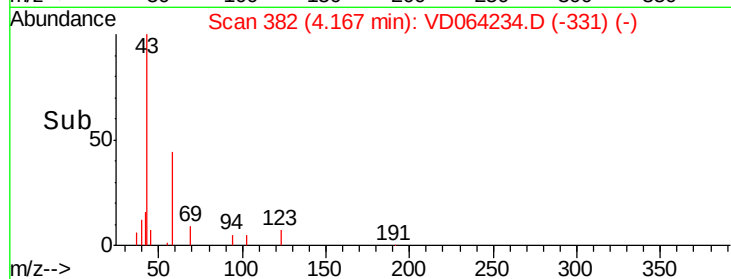
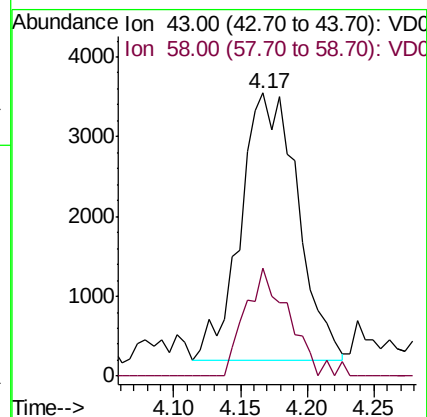
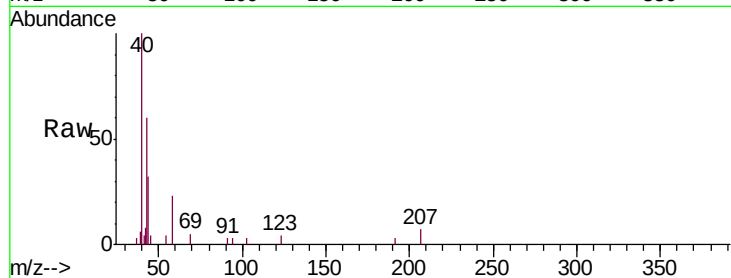
PHIPPS-BH-NW-02

Tgt Ion: 43 Resp: 9917

Ion Ratio Lower Upper

43 100

58 40.3 24.1 36.1#



#20

Methylene Chloride

Concen: 1.408 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

Tgt Ion: 84 Resp: 10844

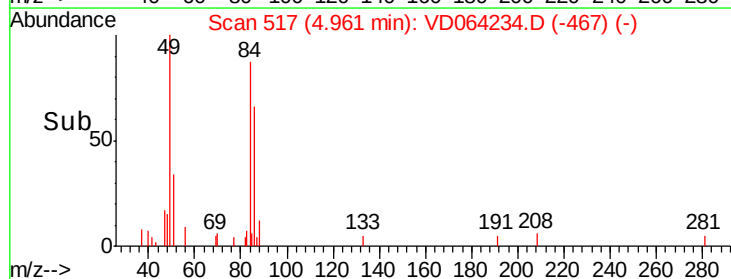
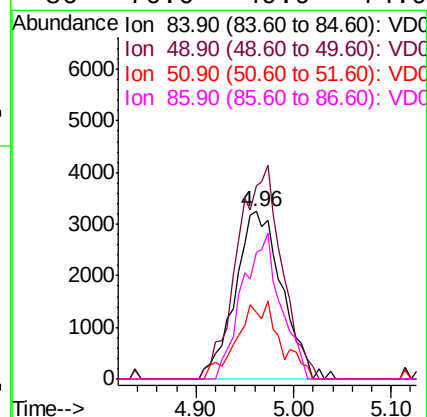
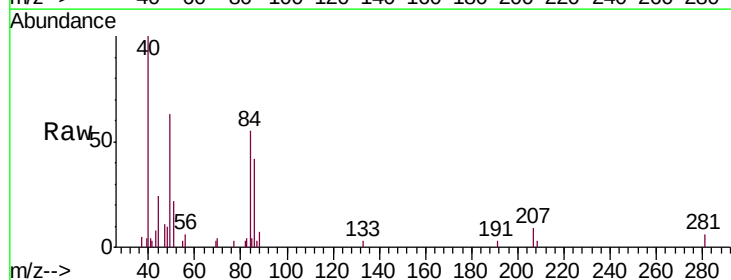
Ion Ratio Lower Upper

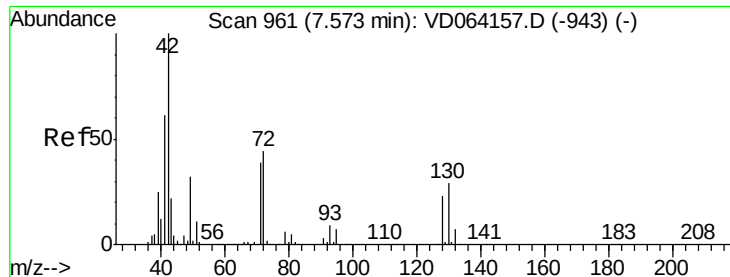
84 100

49 115.5 102.1 153.1

51 39.6 32.2 48.2

86 76.0 49.9 74.9#





#29

Tetrahydrofuran

Concen: 1.553 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-NW-02

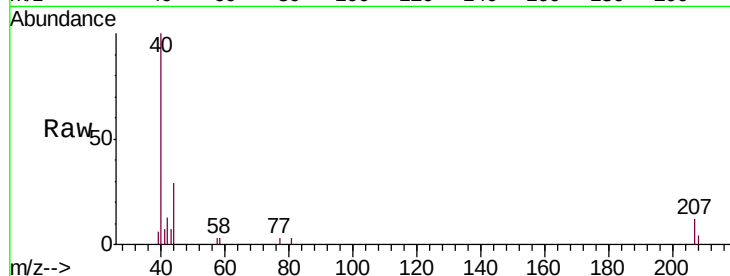
Tgt Ion: 42 Resp: 1838

Ion Ratio Lower Upper

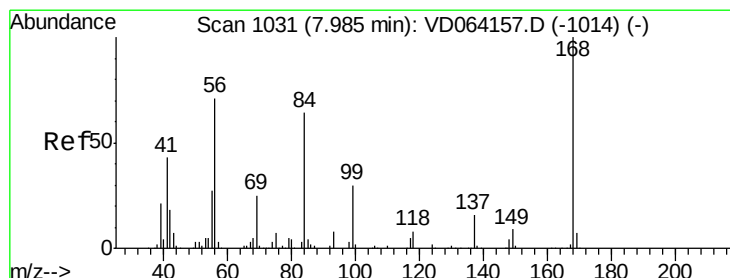
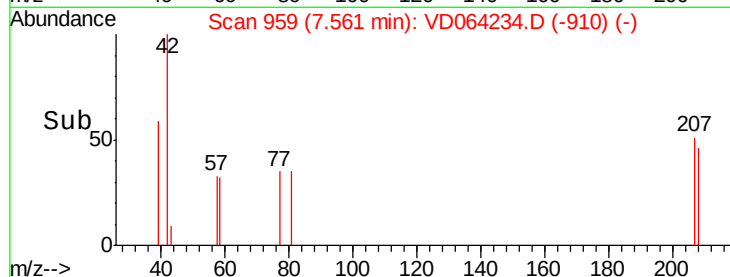
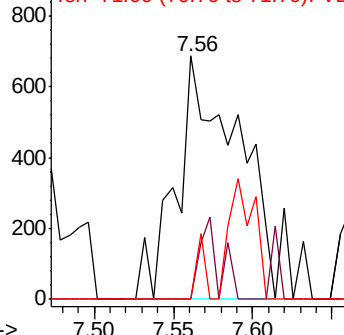
42 100

72 10.6 33.4 50.2#

71 3.5 31.0 46.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

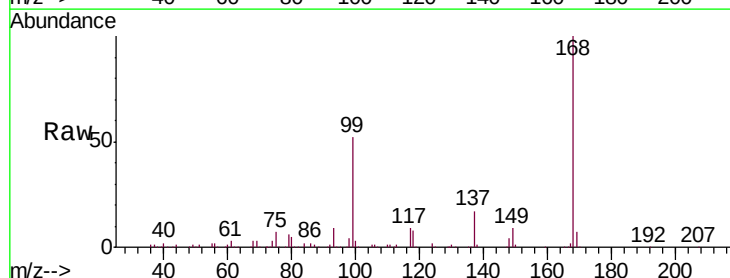
Tgt Ion: 56 Resp: 15597

Ion Ratio Lower Upper

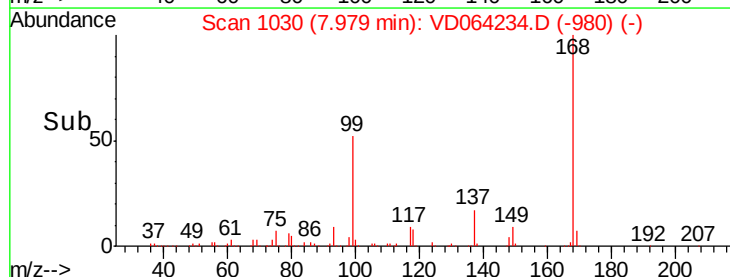
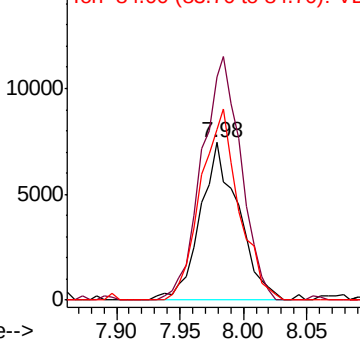
56 100

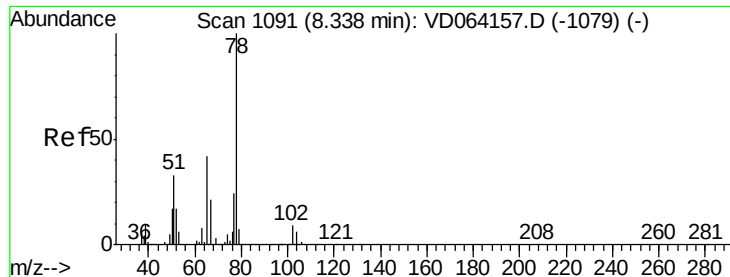
69 142.0 28.2 42.4#

84 108.3 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

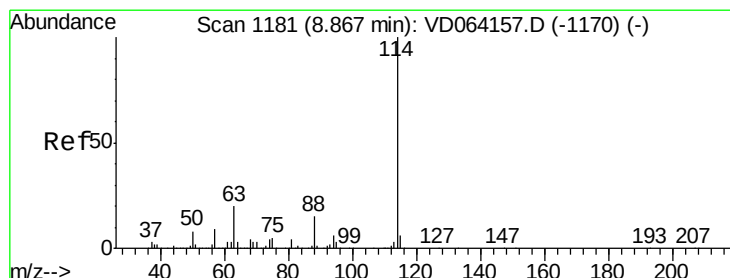
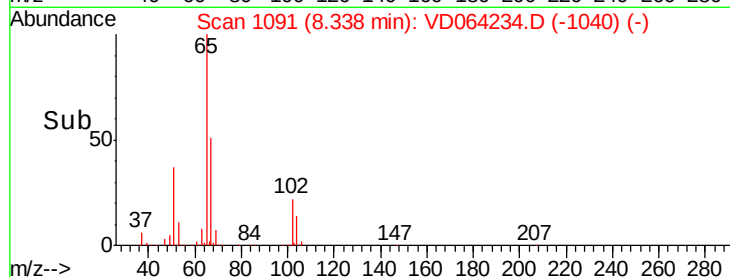
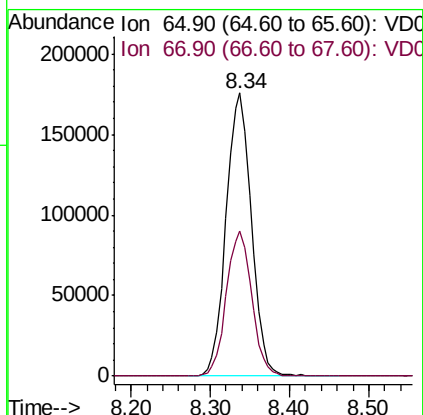
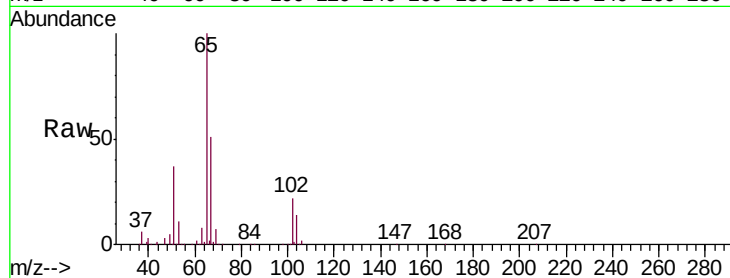




#33
 1,2-Dichloroethane-d4
 Concen: 60.402 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064234.D
 Acq: 15 Nov 2019 18:28

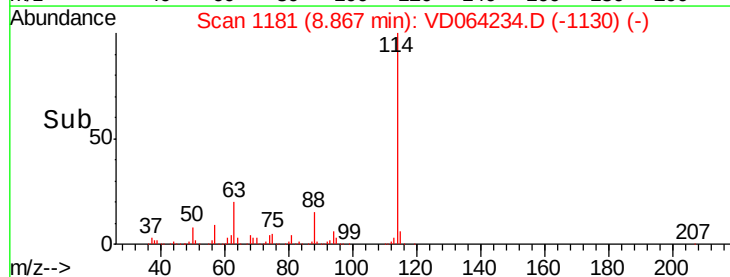
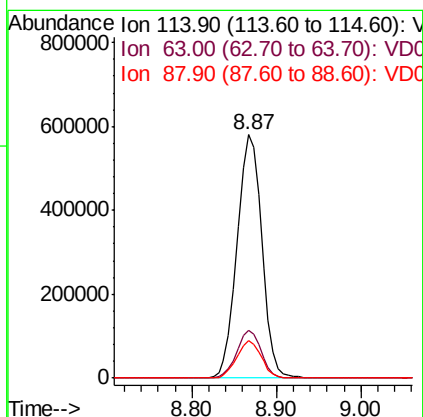
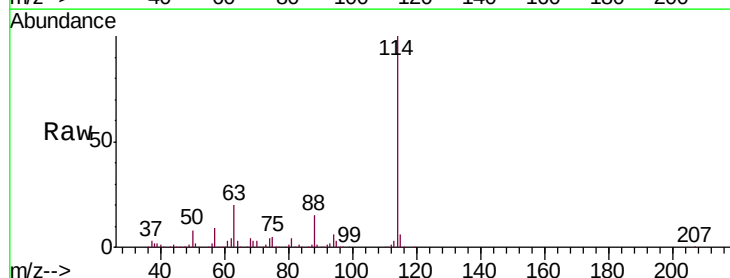
Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-NW-02

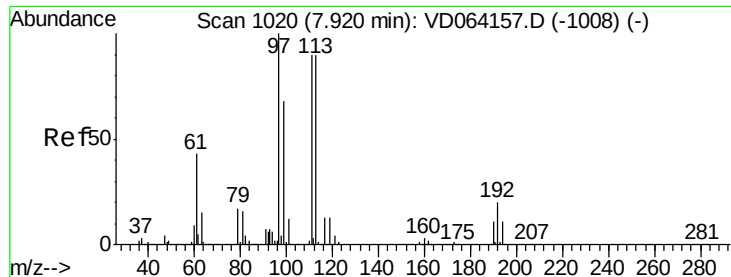
Tgt Ion: 65 Resp: 388696
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064234.D
 Acq: 15 Nov 2019 18:28

Tgt Ion: 114 Resp: 1170758
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 30.2

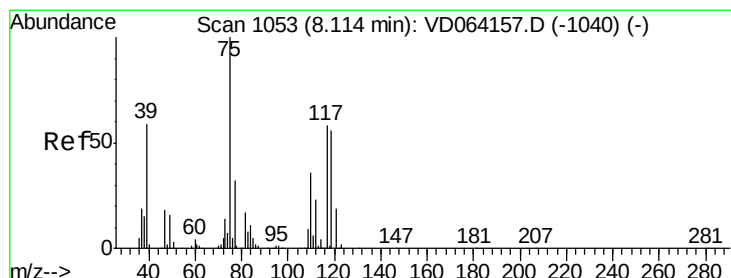
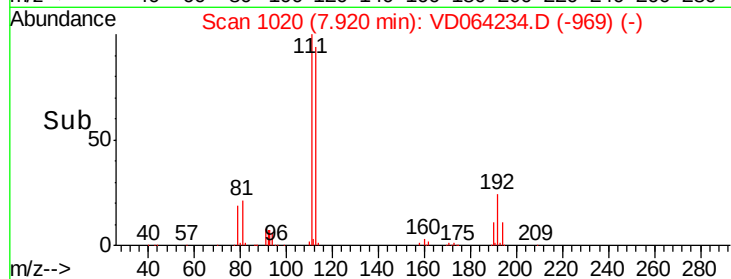
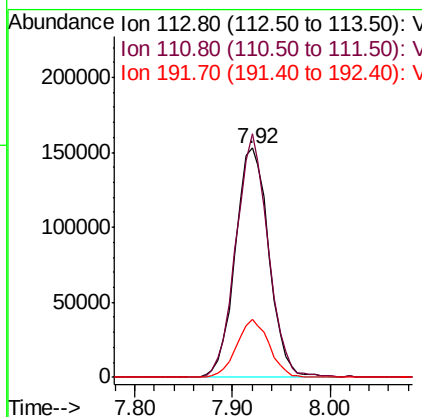
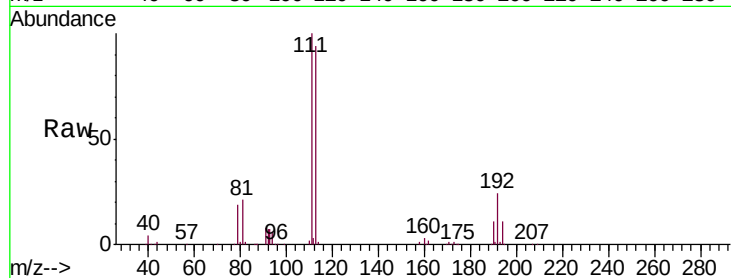




#35
 Dibromofluoromethane
 Concen: 54.990 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064234.D
 Acq: 15 Nov 2019 18:28

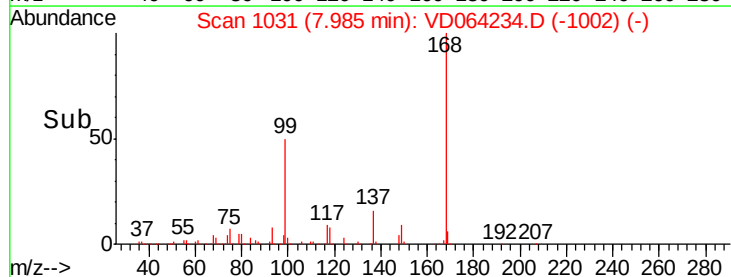
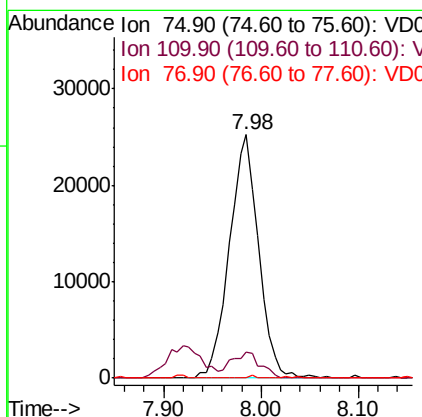
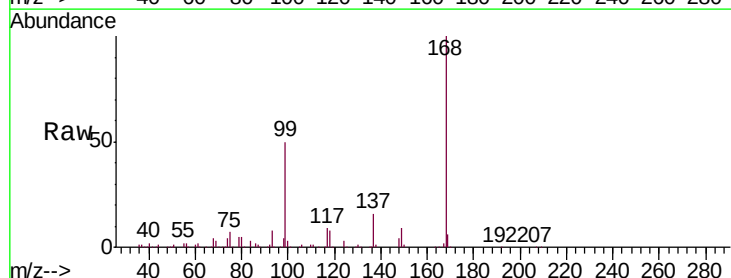
Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-NW-02

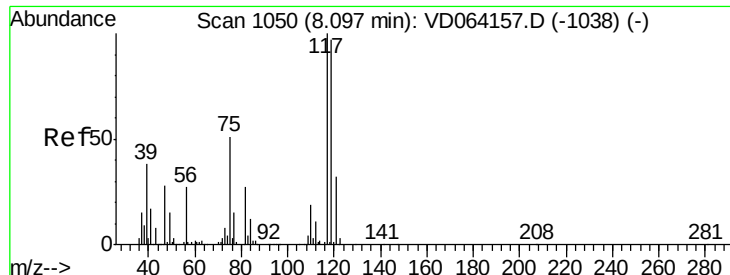
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	24.4	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064234.D
 Acq: 15 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.9#
77	0.2	25.0	37.6#

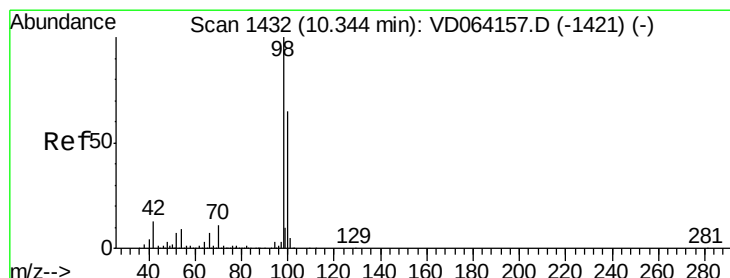
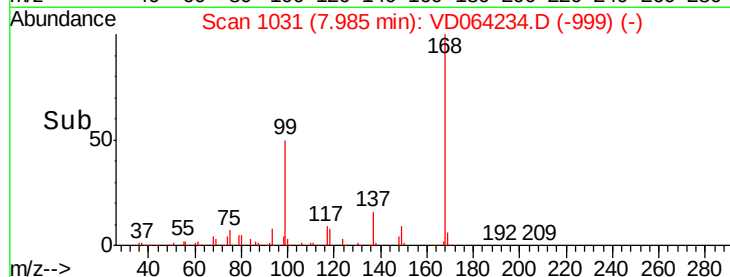
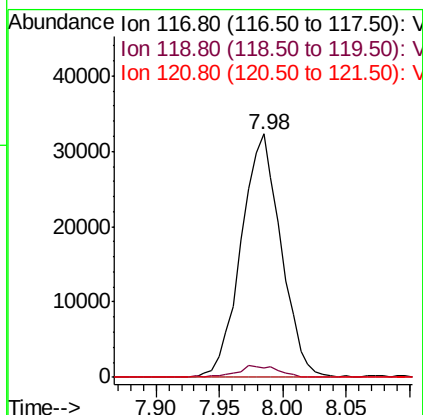
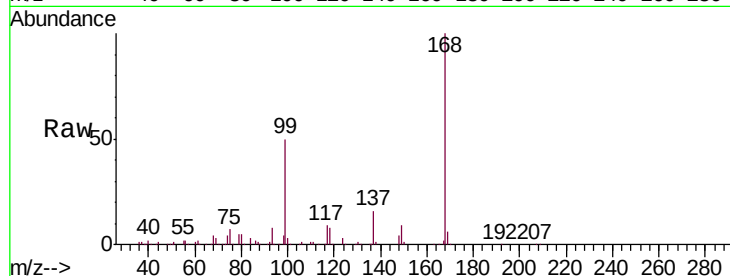




#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064234.D
Acq: 15 Nov 2019 18:28

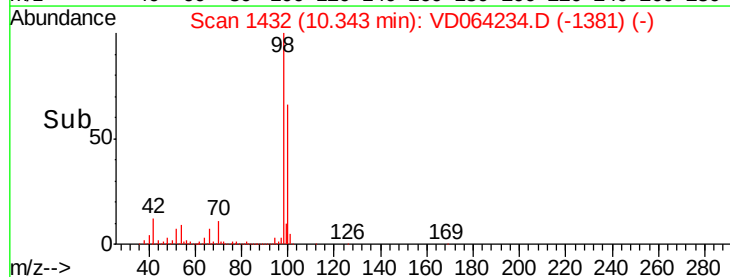
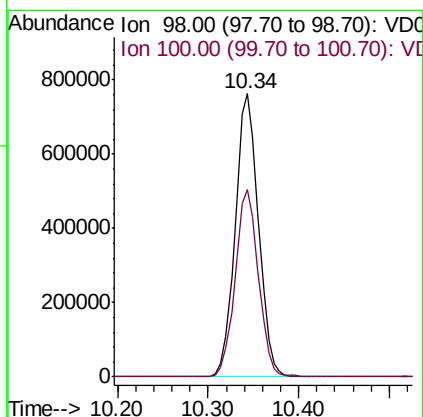
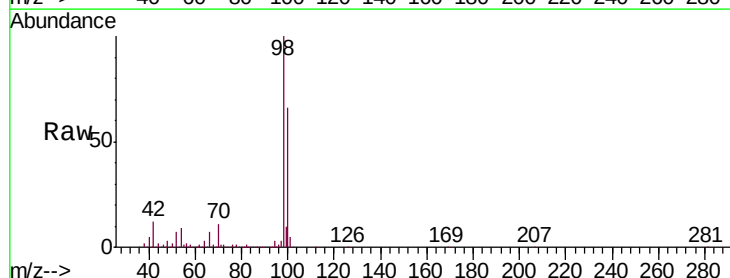
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-02

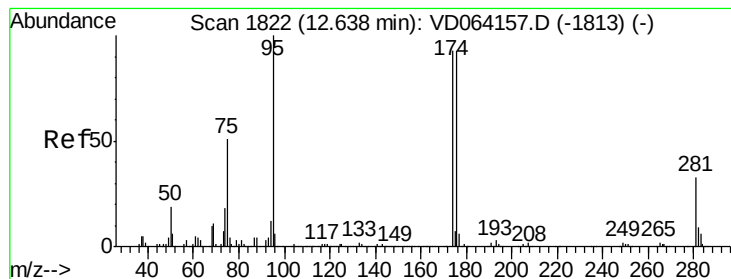
Tgt Ion: 117 Resp: 70627
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.914 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064234.D
Acq: 15 Nov 2019 18:28

Tgt Ion: 98 Resp: 1366832
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 52.569 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-NW-02

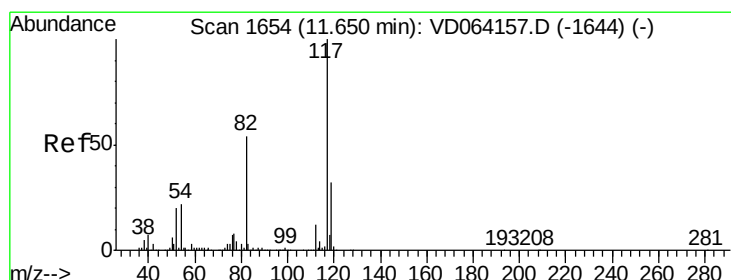
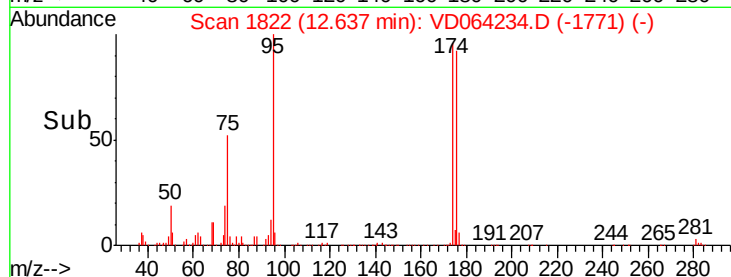
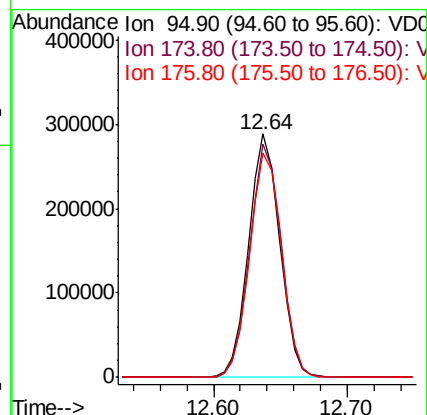
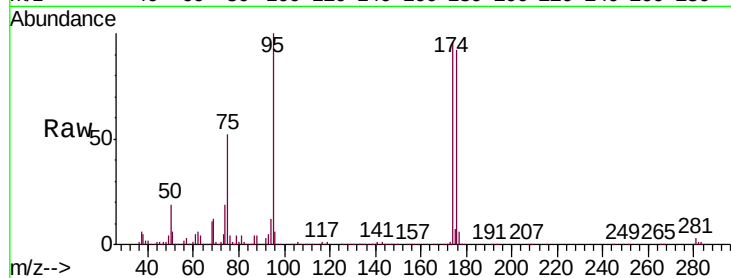
Tgt Ion: 95 Resp: 461533

Ion Ratio Lower Upper

95 100

174 97.3 0.0 183.6

176 94.9 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: VD064234.D

Acq: 15 Nov 2019 18:28

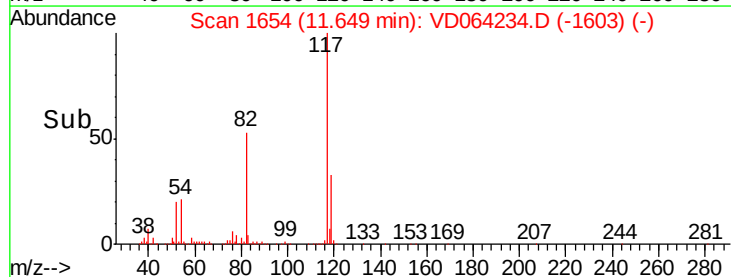
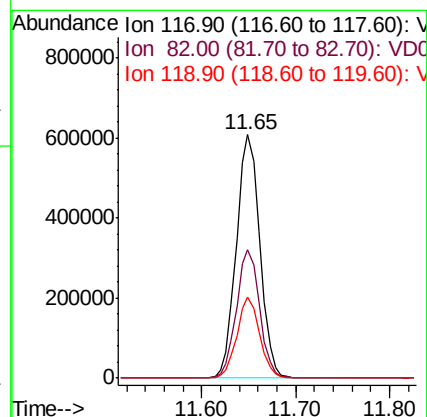
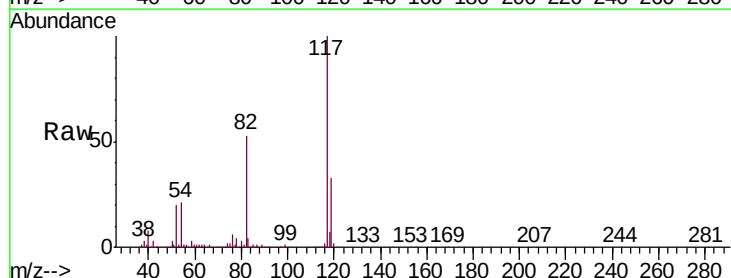
Tgt Ion: 117 Resp: 1055395

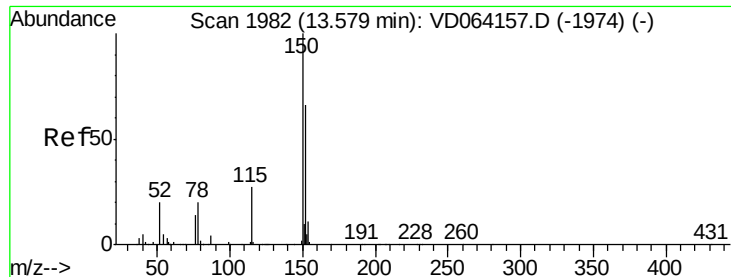
Ion Ratio Lower Upper

117 100

82 52.9 42.8 64.2

119 33.0 25.6 38.4



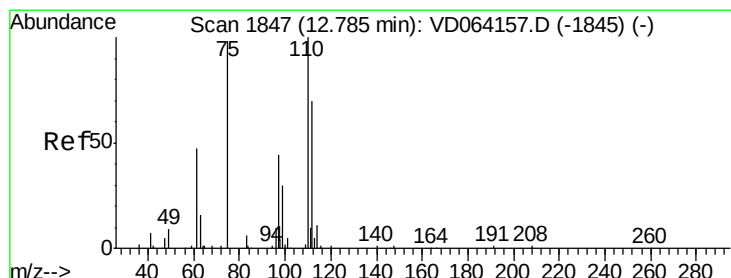
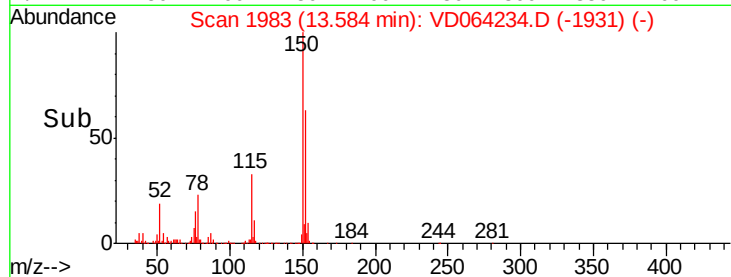
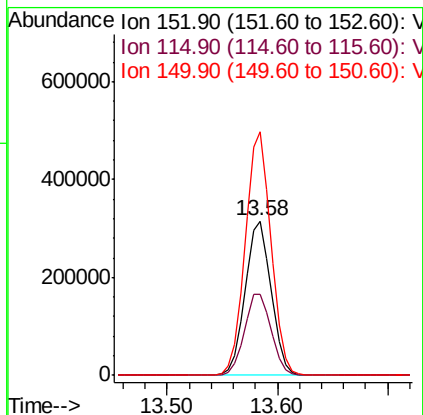
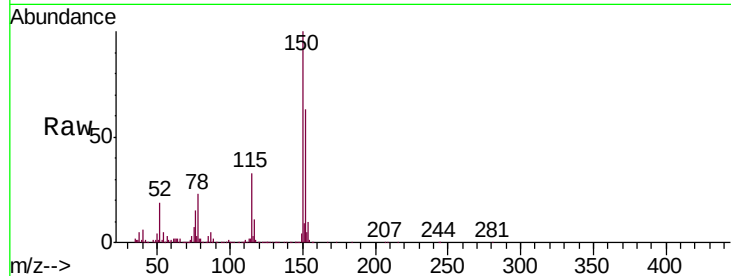


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064234.D
Acq: 15 Nov 2019 18:28

Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-02

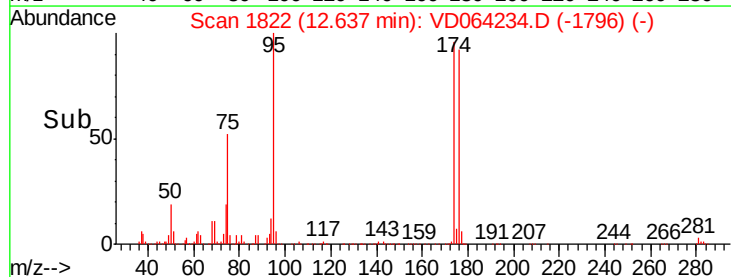
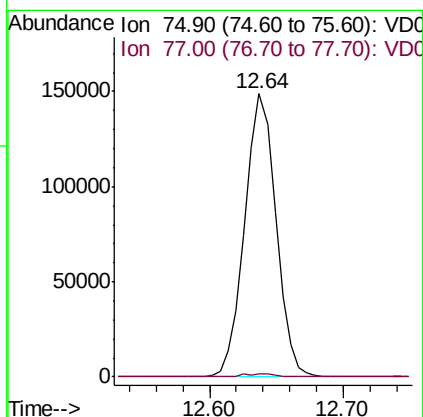
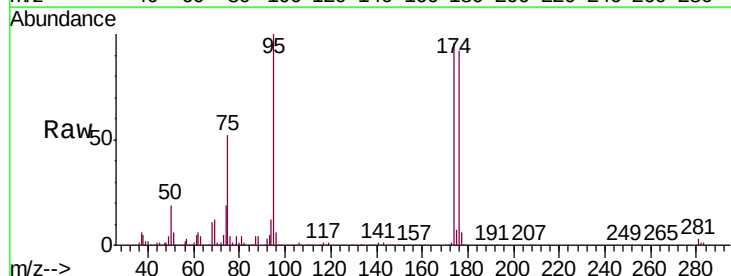
Tgt Ion:152 Resp: 520743
Ion Ratio Lower Upper
152 100
115 54.0 27.4 82.2
150 156.1 0.0 351.6

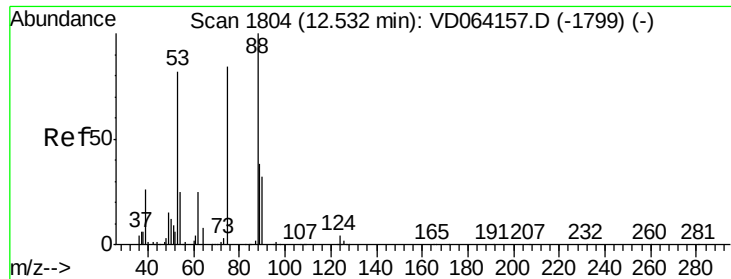


#76

1,2,3-Trichloropropane
Concen: 57.402 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064234.D
Acq: 15 Nov 2019 18:28

Tgt Ion: 75 Resp: 240767
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.022 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064234.D

Acq: 15 Nov 2019 18:28

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-NW-02

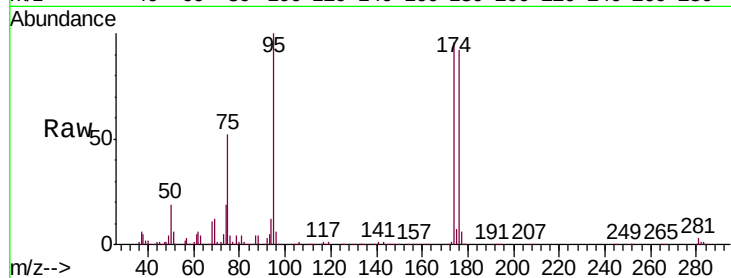
Tgt Ion: 75 Resp: 240767

Ion Ratio Lower Upper

75 100

53 0.2 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

