

Data File : VD064237.D
Acq On : 15 Nov 2019 19:54
Operator : VA/SY
Sample : K5839-10
Misc : 5.50G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Nov 16 04:54:17 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	396441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	598965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	541547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	235035	72.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.18%	
35) Dibromofluoromethane	7.92	113	194252	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
50) Toluene-d8	10.34	98	695398	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.64	95	245563	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	

Target Compounds

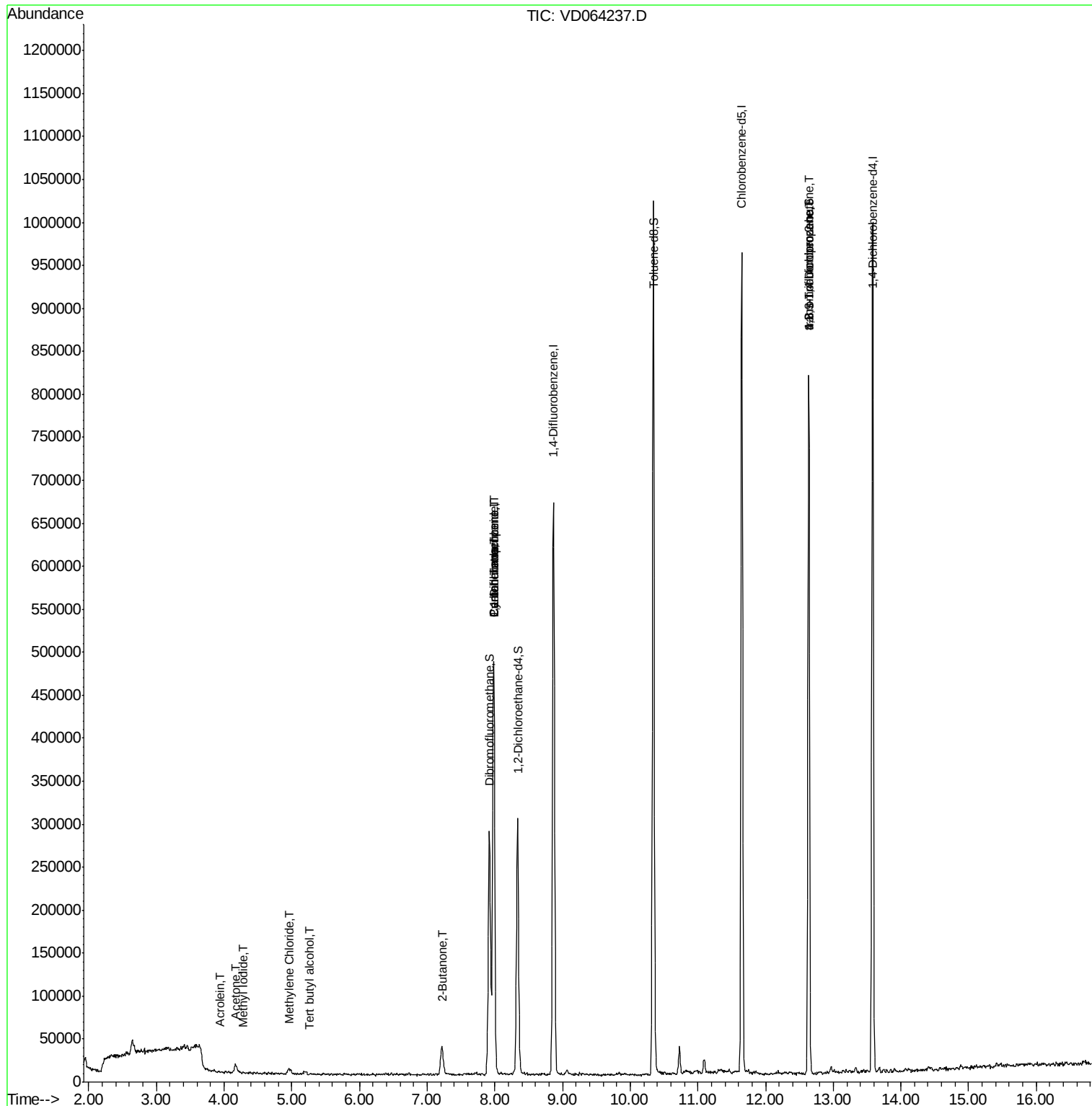
						Qvalue
10) Methyl Iodide	4.29	142	179	2.074	ug/l #	83
11) Tert butyl alcohol	5.26	59	314	1.379	ug/l #	69
13) Acrolein	3.94	56	296	1.536	ug/l #	1
16) Acetone	4.17	43	18755	24.281	ug/l	99
20) Methylene Chloride	4.96	84	5061	1.297	ug/l #	86
25) 2-Butanone	7.23	43	2474	2.479	ug/l	95
31) Cyclohexane	7.98	56	8123	1.269	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	26637	4.819	ug/l #	49
38) Carbon Tetrachloride	7.98	117	37200	6.289	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	127050	56.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127050	111.943	ug/l #	10

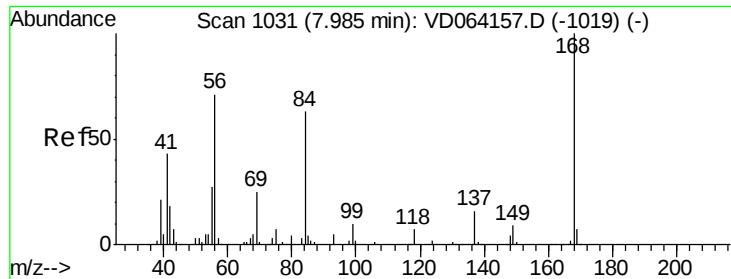
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD064237.D
Acq On : 15 Nov 2019 19:54
Operator : VA/SY
Sample : K5839-10
Misc : 5.50G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Nov 16 04:54:17 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

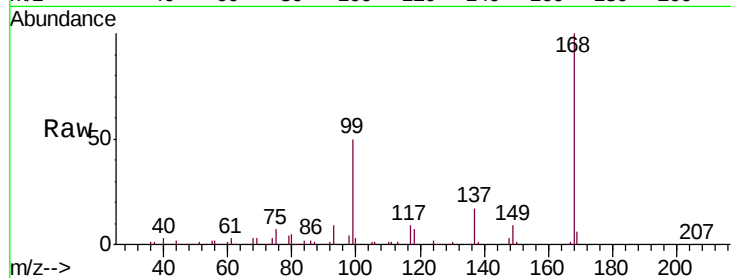
PHIPPS-BH-SW-02

Tgt Ion:168 Resp: 396441

Ion Ratio Lower Upper

168 100

99 49.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): V

150000

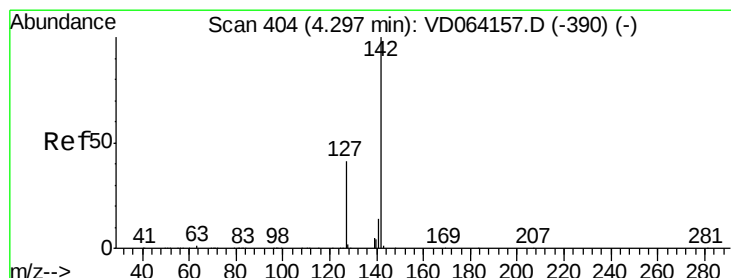
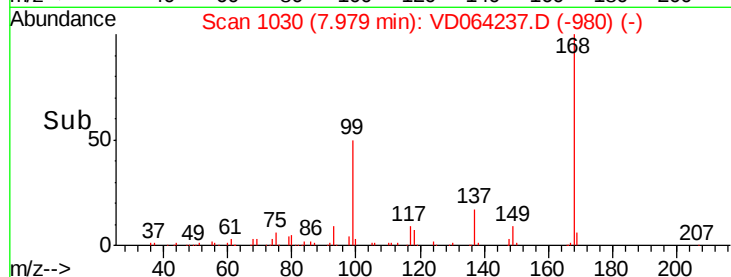
100000

50000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.074 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

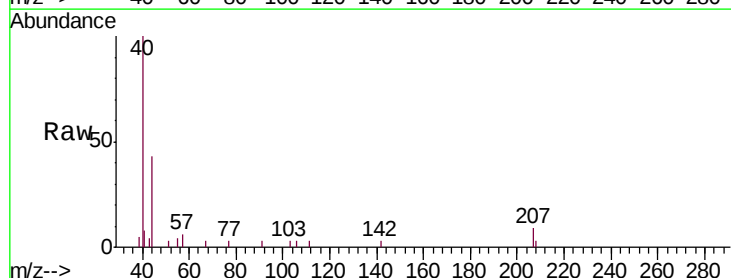
Tgt Ion:142 Resp: 179

Ion Ratio Lower Upper

142 100

127 35.8 34.4 51.6

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

250 Ion 126.80 (126.50 to 127.50): V

200 Ion 140.80 (140.50 to 141.50): V

150

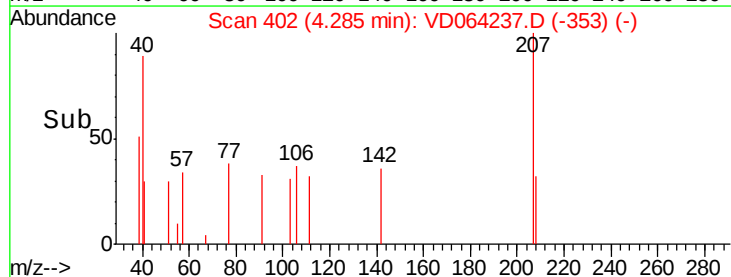
100

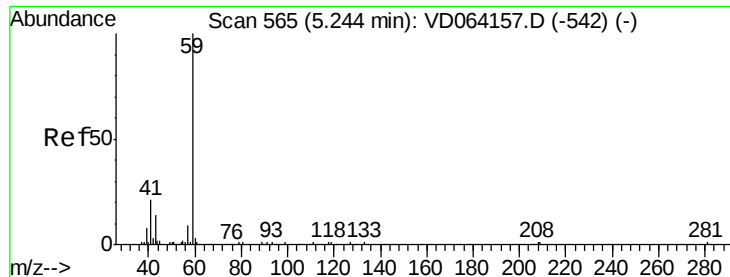
50

0

4.26 4.28 4.30 4.32

Time-->

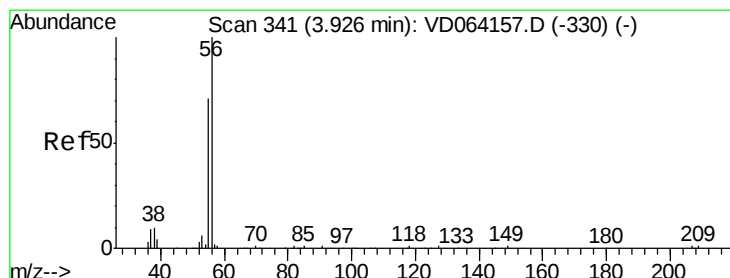
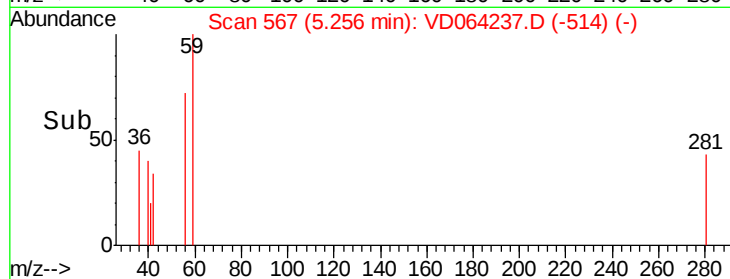
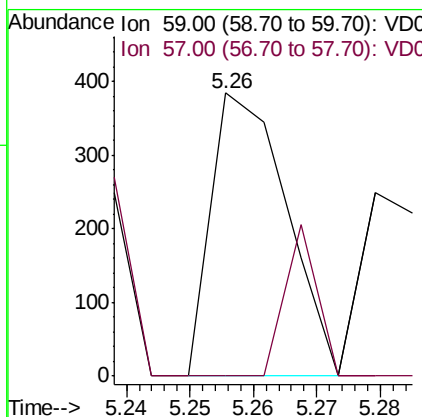
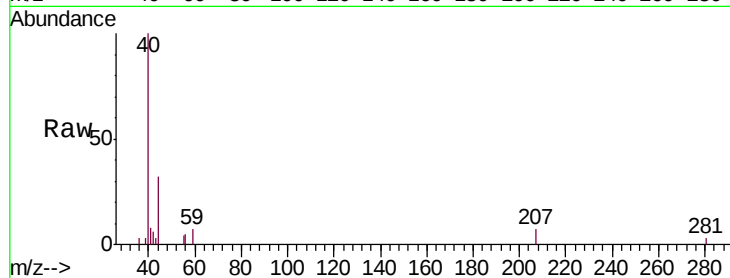




#11
Tert butyl alcohol
Concen: 1.379 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

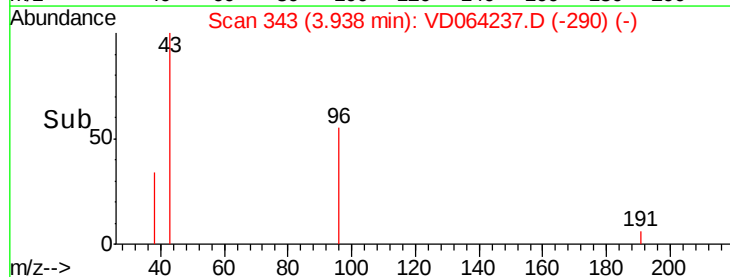
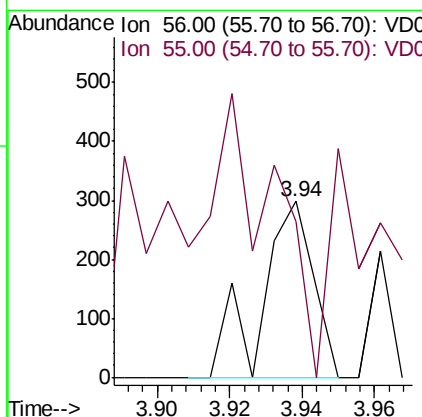
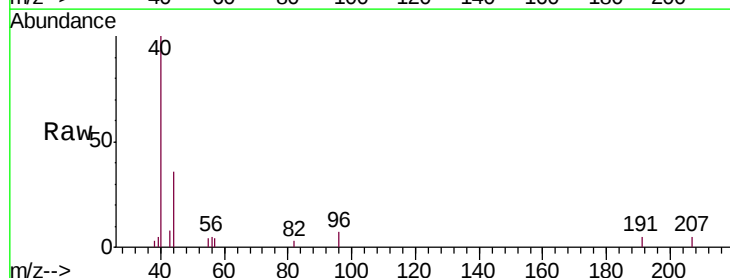
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-SW-02

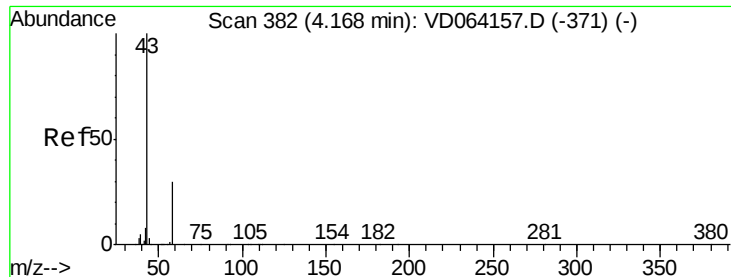
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#13
Acrolein
Concen: 1.536 ug/l
RT: 3.94 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 189.9 56.1 84.1#

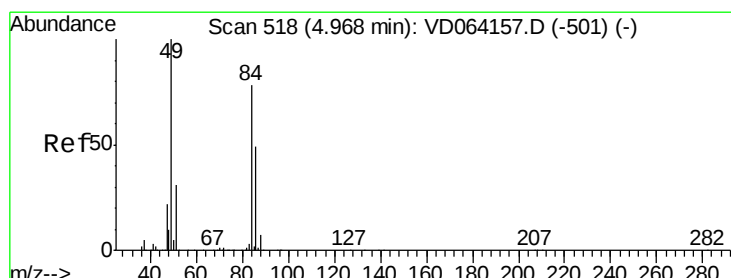
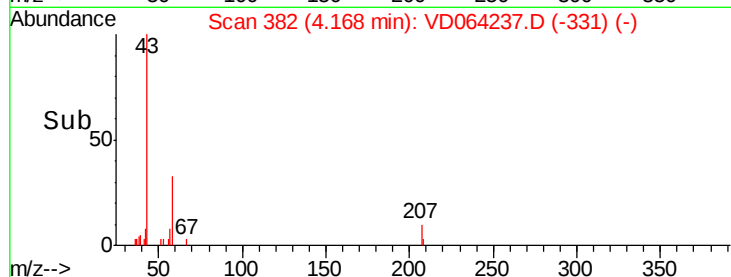
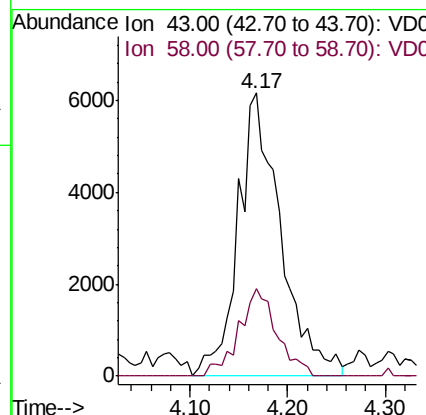
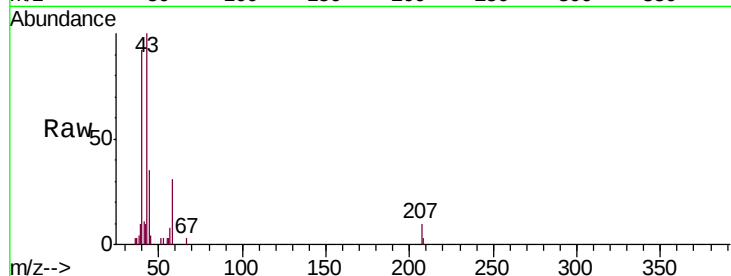




#16
Acetone
Concen: 24.281 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

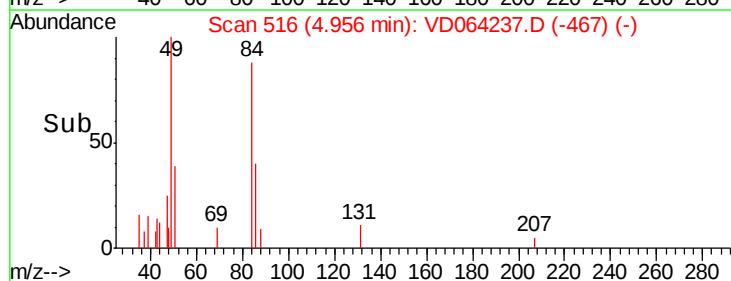
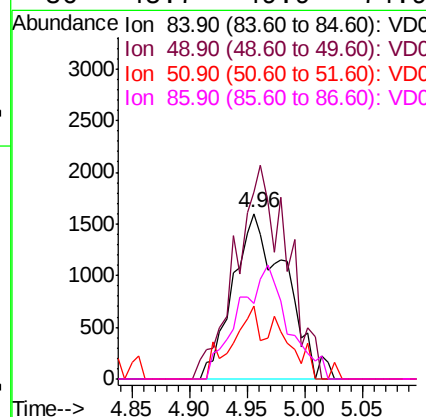
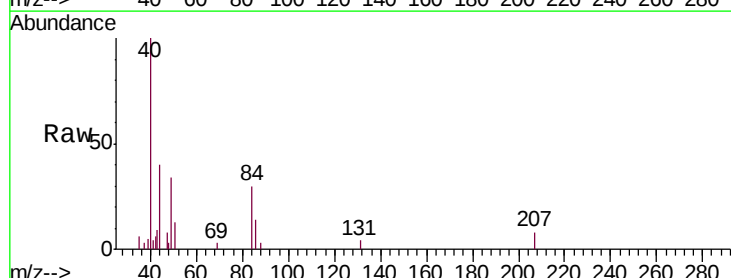
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-SW-02

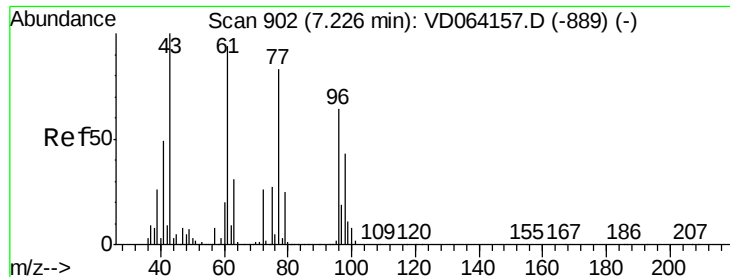
Tgt Ion: 43 Resp: 18755
Ion Ratio Lower Upper
43 100
58 30.9 24.1 36.1



#20
Methylene Chloride
Concen: 1.297 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

Tgt Ion: 84 Resp: 5061
Ion Ratio Lower Upper
84 100
49 113.0 102.1 153.1
51 44.2 32.2 48.2
86 45.7 49.9 74.9#





#25

2-Butanone

Concen: 2.479 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

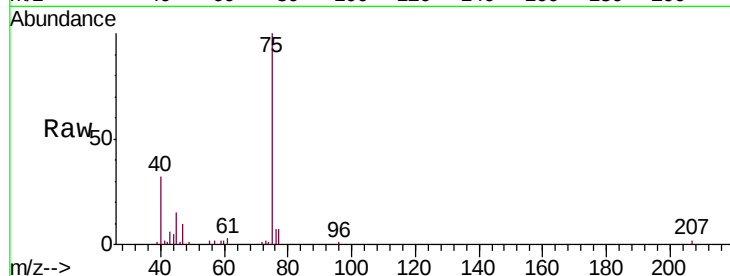
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-SW-02

Tgt Ion: 43 Resp: 2474

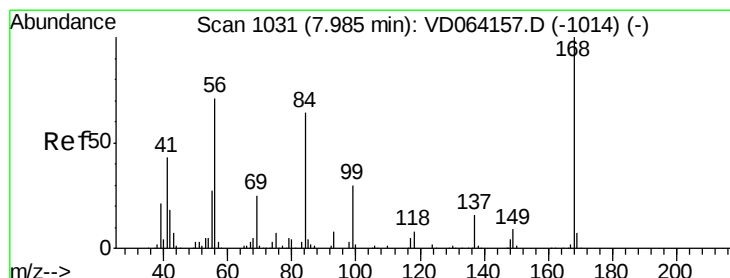
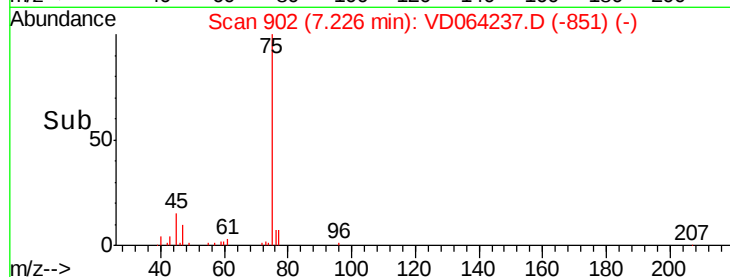
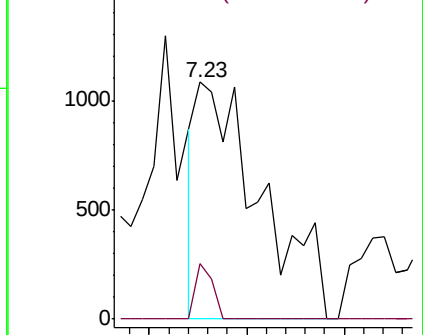
Ion Ratio Lower Upper

43 100

72 23.2 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

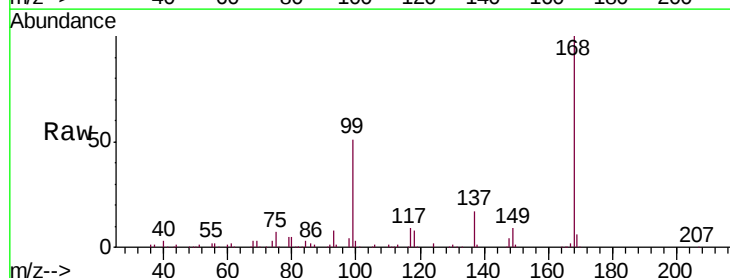
Tgt Ion: 56 Resp: 8123

Ion Ratio Lower Upper

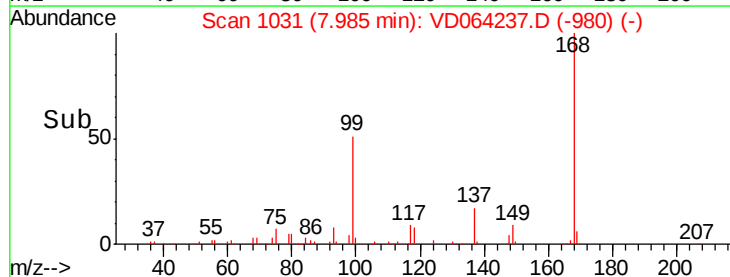
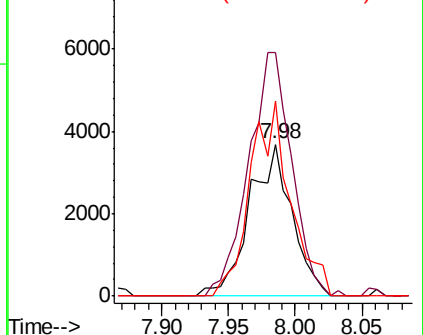
56 100

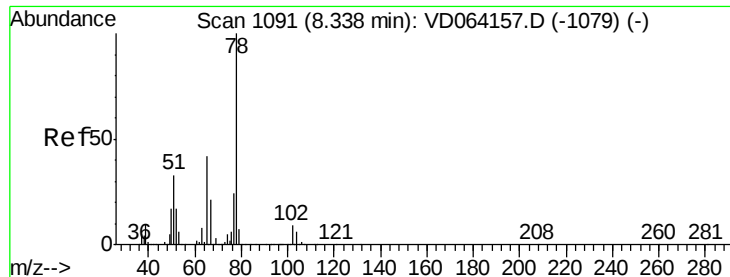
69 160.6 28.2 42.4#

84 128.7 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: 72.086 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

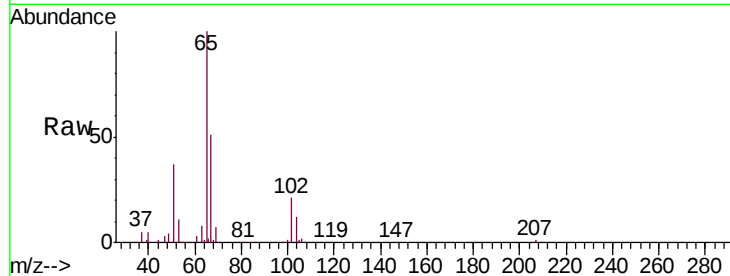
PHIPPS-BH-SW-02

Tgt Ion: 65 Resp: 235035

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

8.33

120000

100000

80000

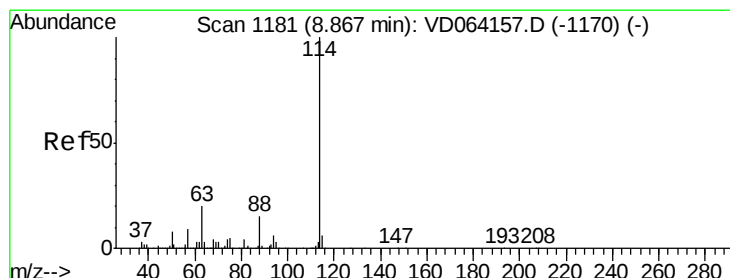
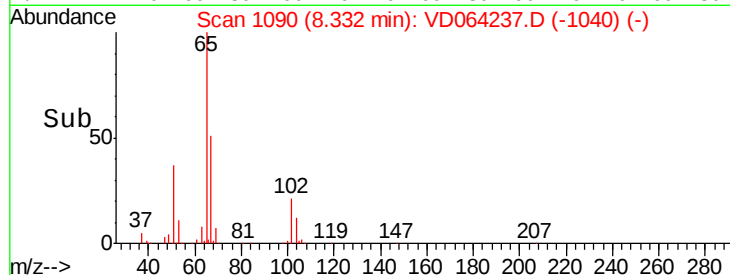
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

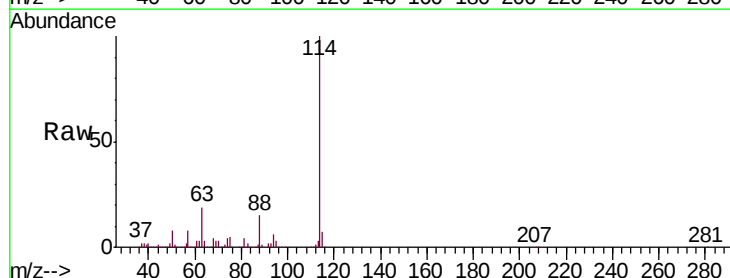
Tgt Ion: 114 Resp: 598965

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

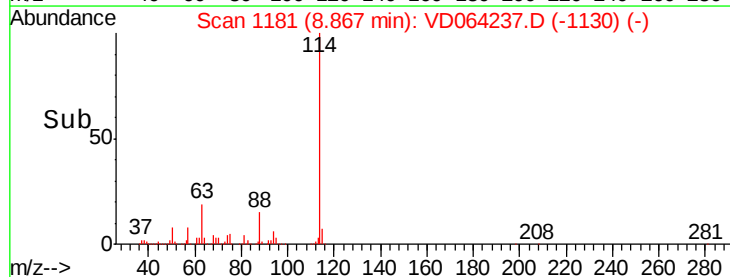
300000

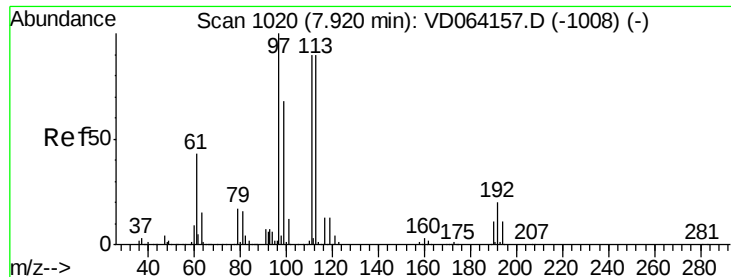
200000

100000

0

Time--> 8.80 8.90 9.00

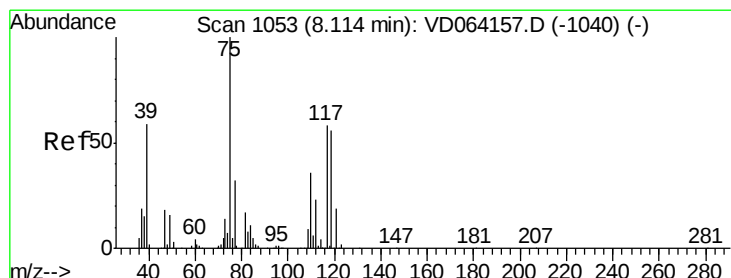
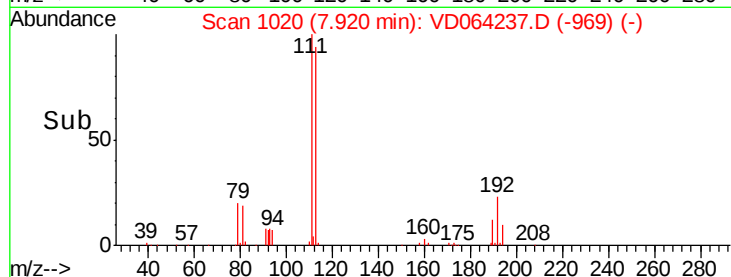
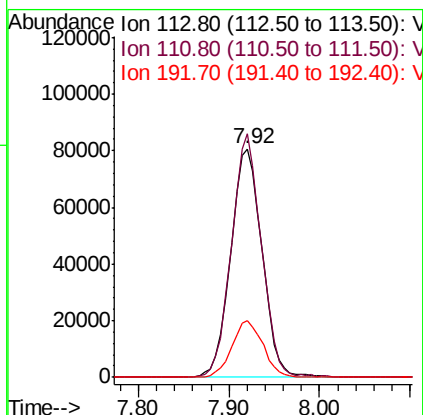
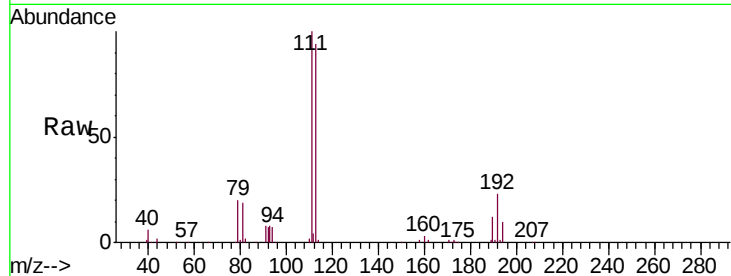




#35
 Dibromofluoromethane
 Concen: 56.499 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064237.D
 Acq: 15 Nov 2019 19:54

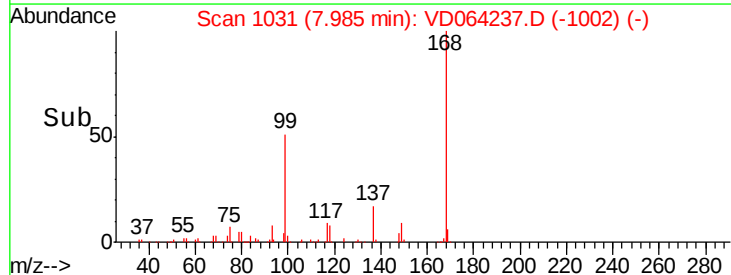
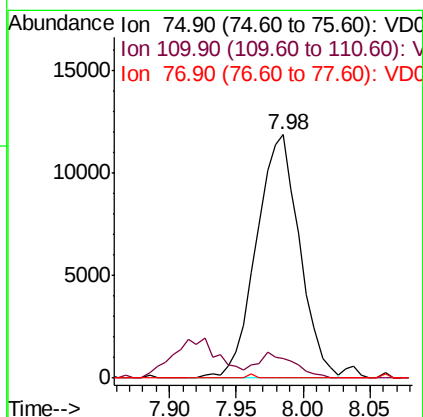
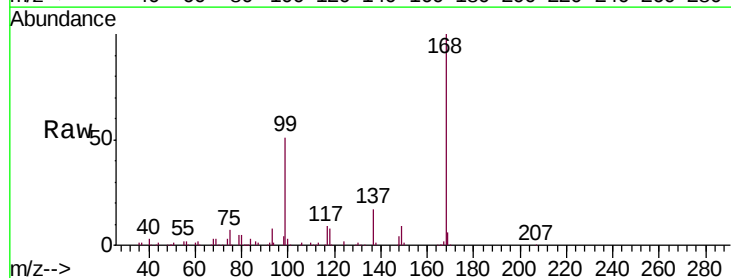
Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-SW-02

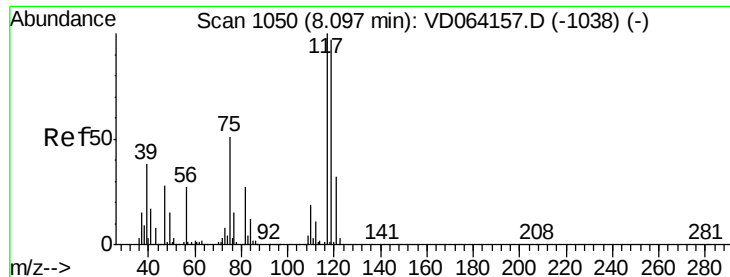
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	24.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064237.D
 Acq: 15 Nov 2019 19:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.0	25.0	37.6#

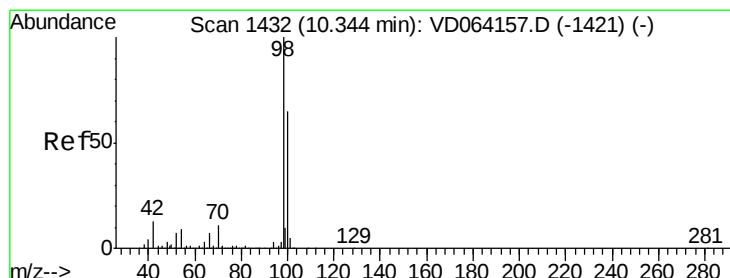
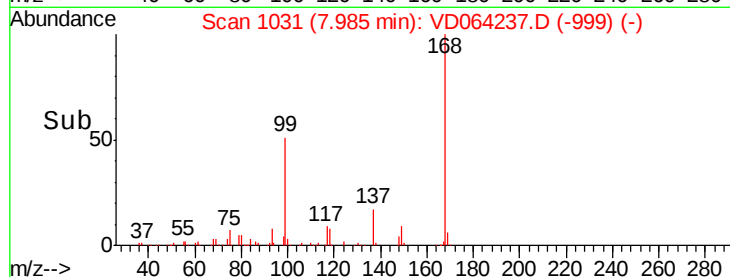
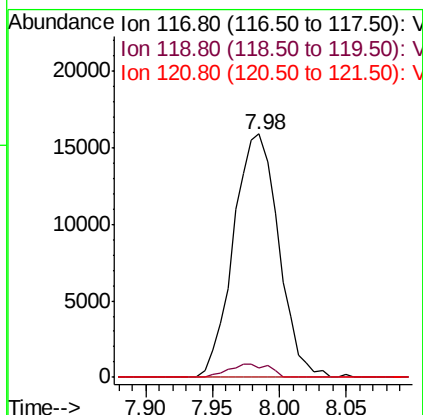
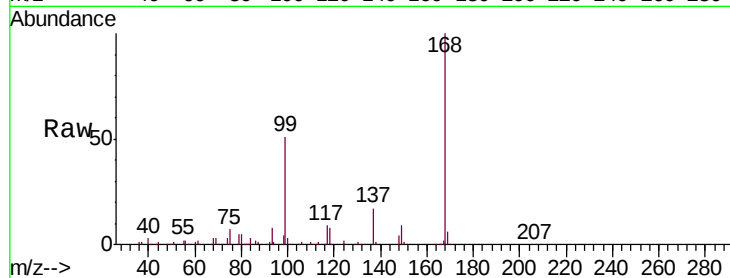




#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

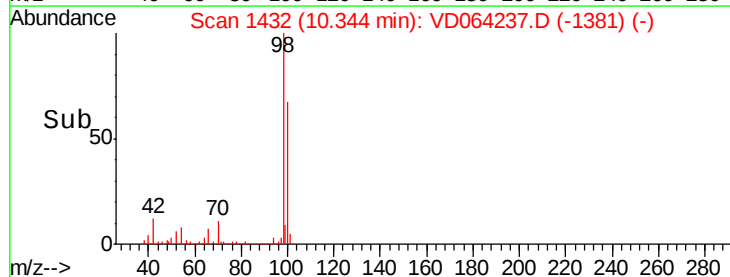
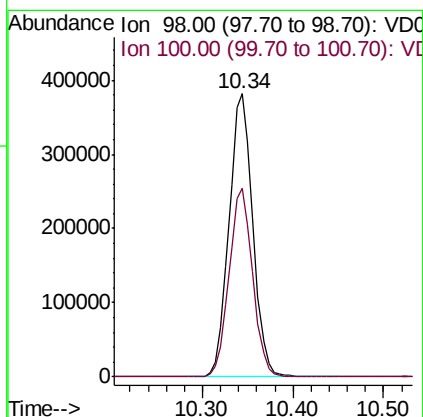
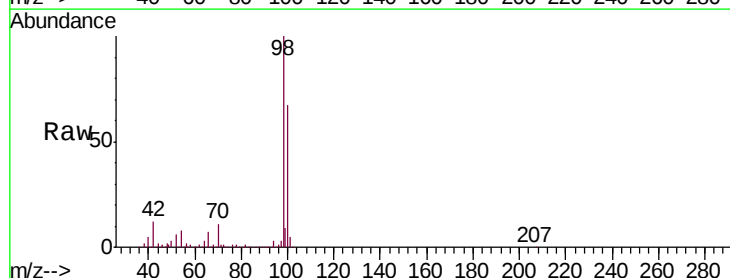
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-SW-02

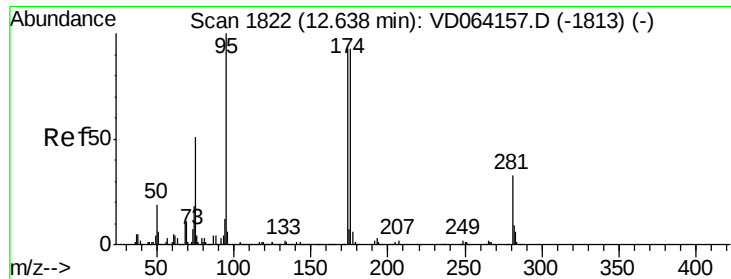
Tgt Ion: 117 Resp: 37200
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.615 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

Tgt Ion: 98 Resp: 695398
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

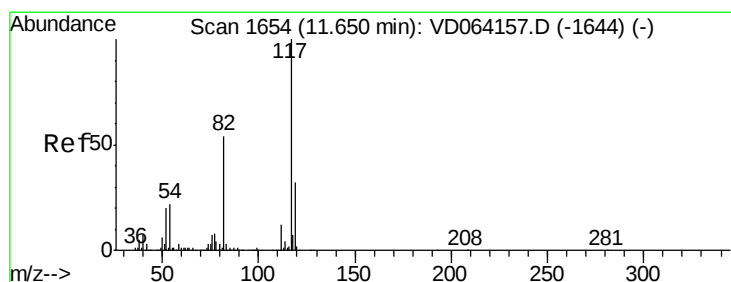
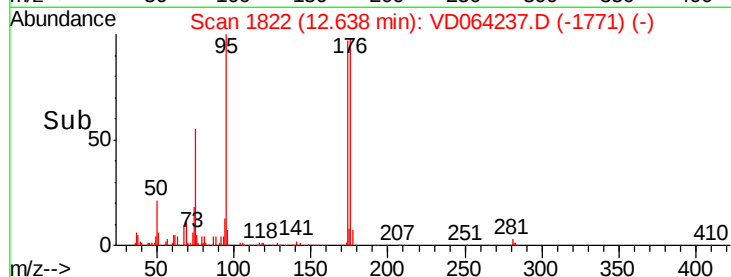
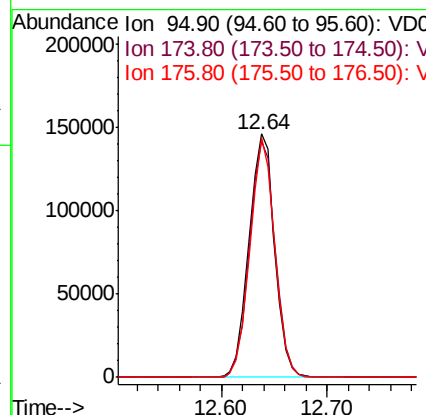
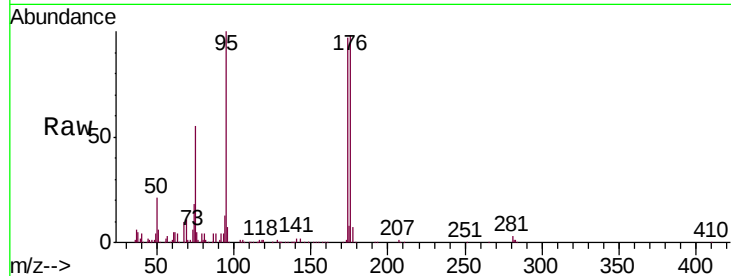




#62
4-Bromofluorobenzene
Concen: 54.671 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

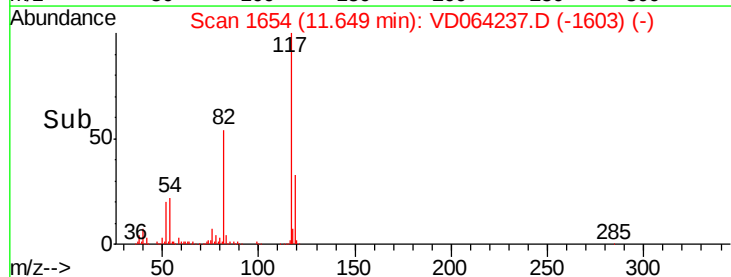
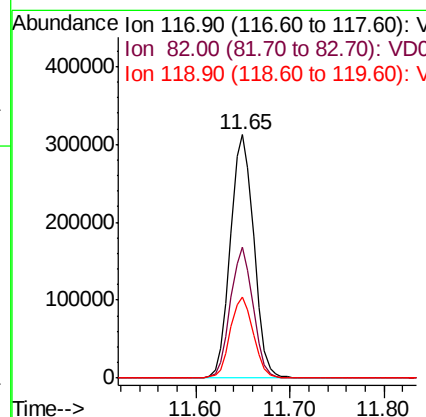
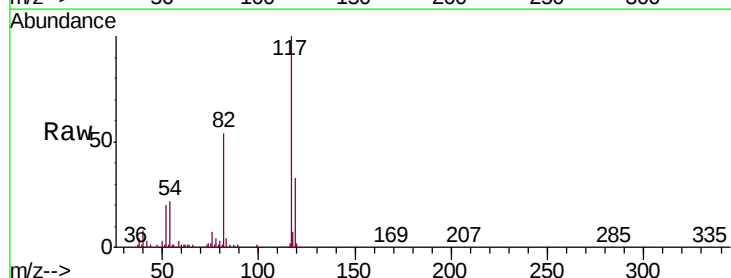
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-SW-02

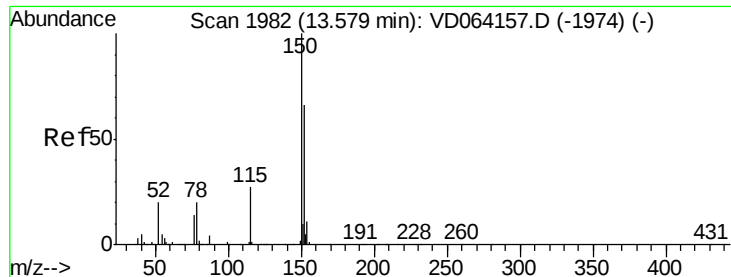
Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	183.6
176	95.1	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064237.D
Acq: 15 Nov 2019 19:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	33.2	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: VD064237.D

Acq: 15 Nov 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-SW-02

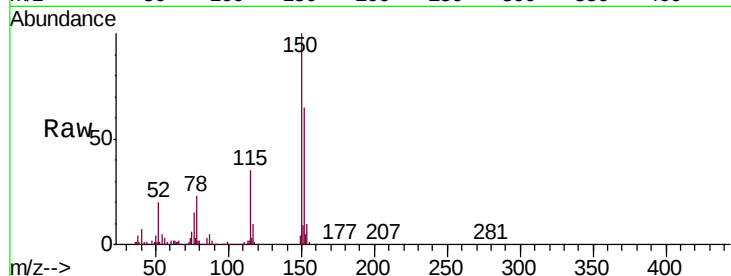
Tgt Ion:152 Resp: 279893

Ion Ratio Lower Upper

152 100

115 54.0 27.4 82.2

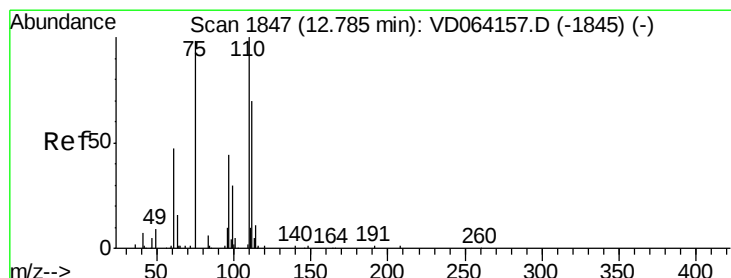
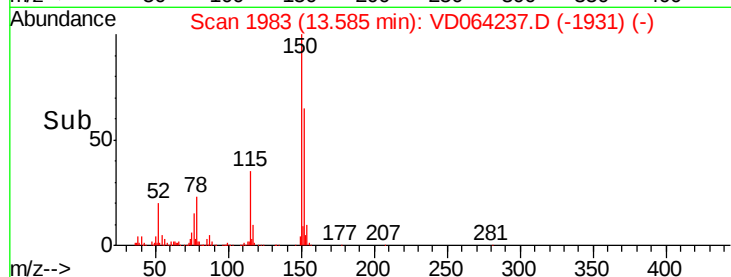
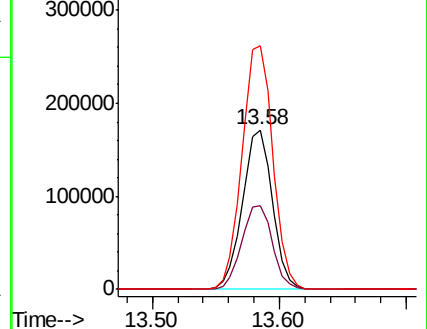
150 157.3 0.0 351.6



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: 56.355 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064237.D

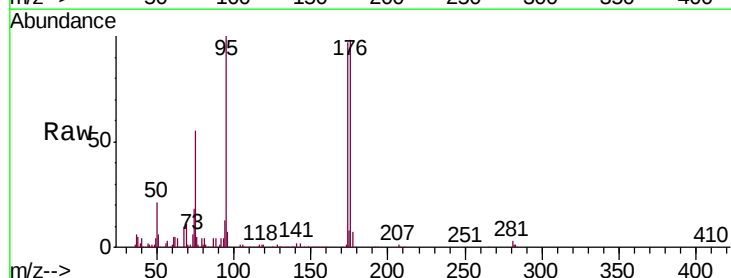
Acq: 15 Nov 2019 19:54

Tgt Ion: 75 Resp: 127050

Ion Ratio Lower Upper

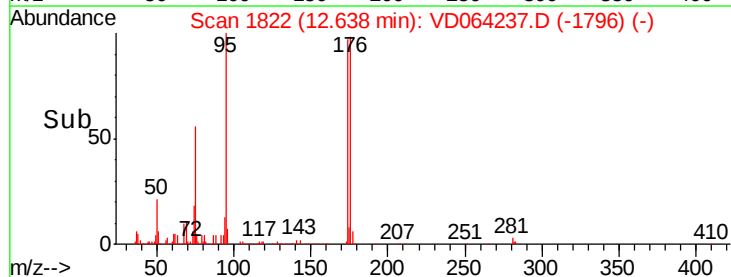
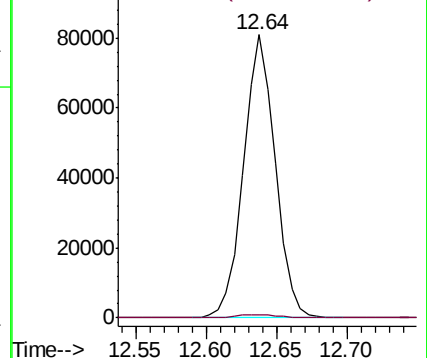
75 100

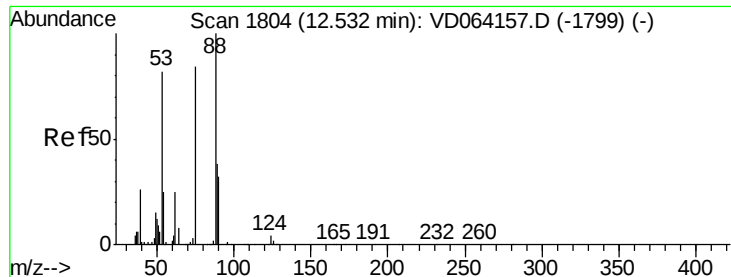
77 1.5 0.0 0.0#



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: 111.943 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064237.D

Acq: 15 Nov 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-SW-02

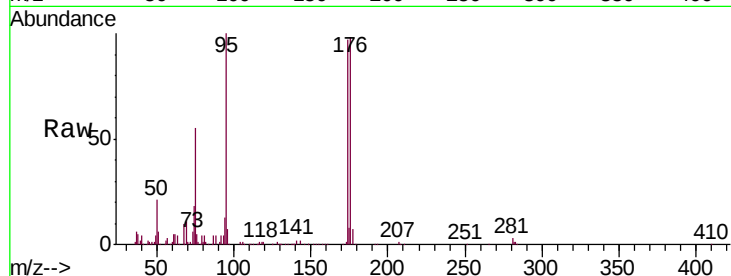
Tgt Ion: 75 Resp: 127050

Ion Ratio Lower Upper

75 100

53 0.0 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

