

Data File : VD064233.D
Acq On : 15 Nov 2019 17:59
Operator : VA/SY
Sample : K5839-02
Misc : 4.82G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-01

Quant Time: Nov 16 04:53:28 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	307339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	423457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	207026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	180089	71.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.50%	
35) Dibromofluoromethane	7.91	113	152276	57.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.84%	
50) Toluene-d8	10.34	98	545566	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.64	95	185054	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

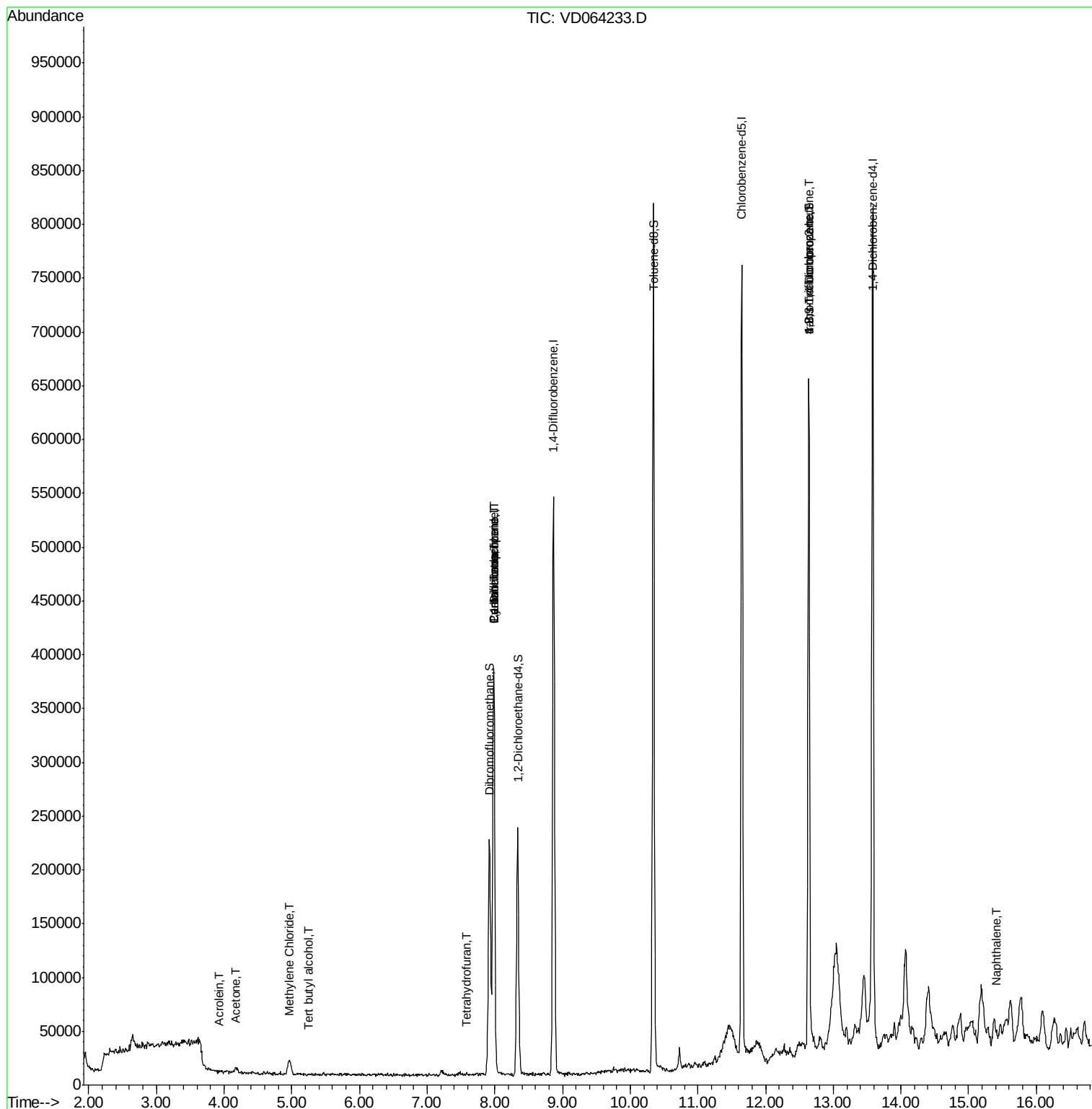
						Qvalue
11) Tert butyl alcohol	5.25	59	644	3.648	ug/l #	78
13) Acrolein	3.93	56	233	1.560	ug/l #	1
16) Acetone	4.17	43	8210	13.711	ug/l #	85
20) Methylene Chloride	4.96	84	10968	3.626	ug/l #	86
29) Tetrahydrofuran	7.58	42	2164	4.656	ug/l #	57
31) Cyclohexane	7.98	56	6975	1.406	ug/l #	49
36) 1,1-Dichloropropene	7.98	75	21230	5.023	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28176	6.230	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	99053	59.401	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	99053	117.994	ug/l #	10
95) Naphthalene	15.41	128	7521	1.025	ug/l #	27

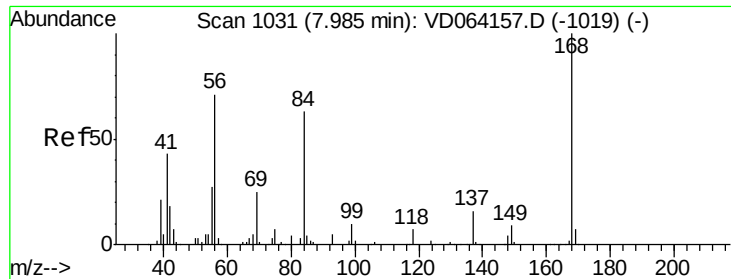
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064233.D

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Instrument :

MSVOA_D

ClientSampleId :

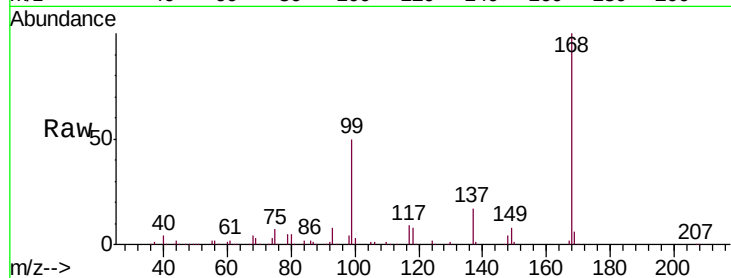
PHIPPS-BH-NW-01

Tgt Ion:168 Resp: 307339

Ion Ratio Lower Upper

168 100

99 50.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

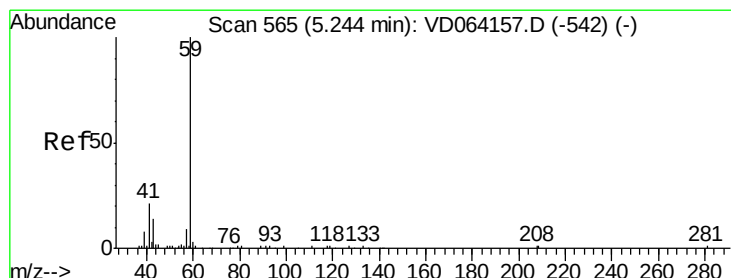
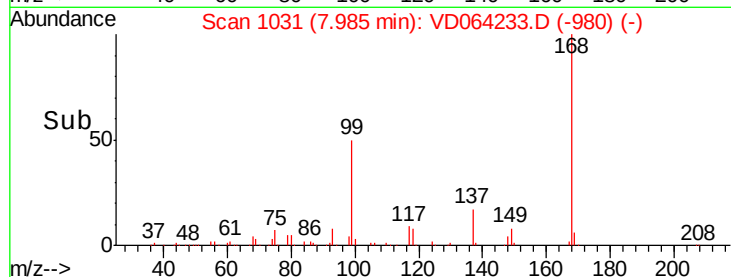
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.648 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064233.D

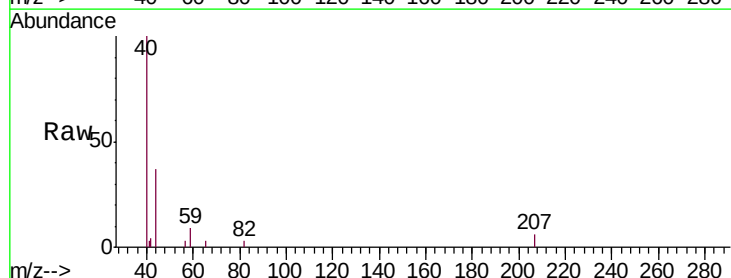
Acq: 15 Nov 2019 17:59

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

59 100

57 20.2 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

600

500

400

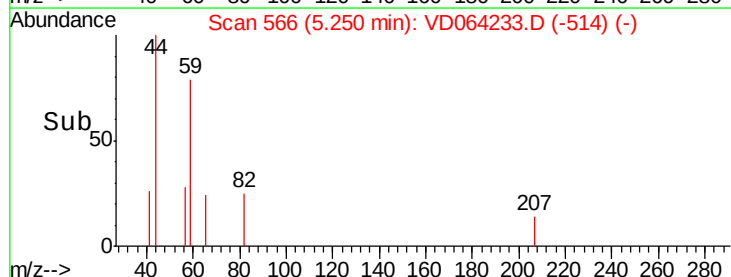
300

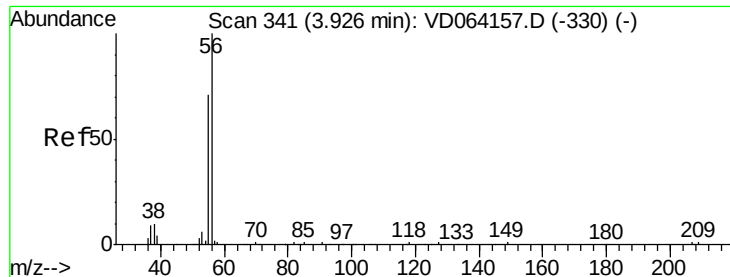
200

100

0

Time-->





#13

Acrolein

Concen: 1.560 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064233.D

Acq: 15 Nov 2019 17:59

Instrument :

MSVOA_D

ClientSampleId :

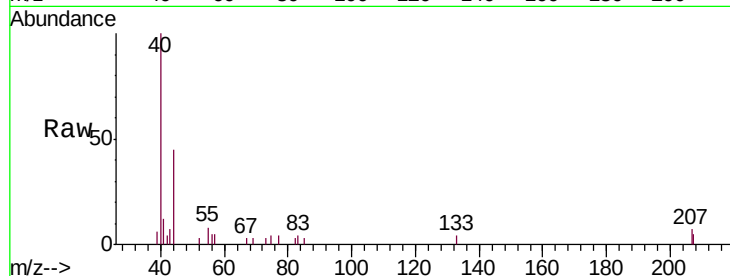
PHIPPS-BH-NW-01

Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

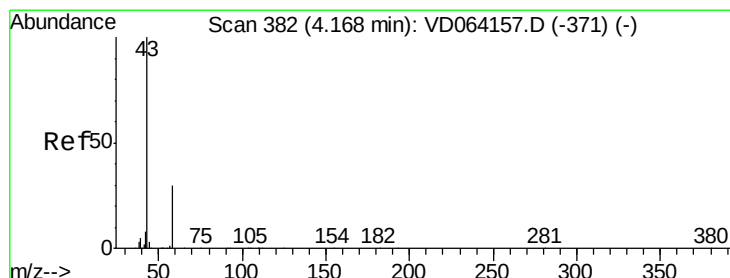
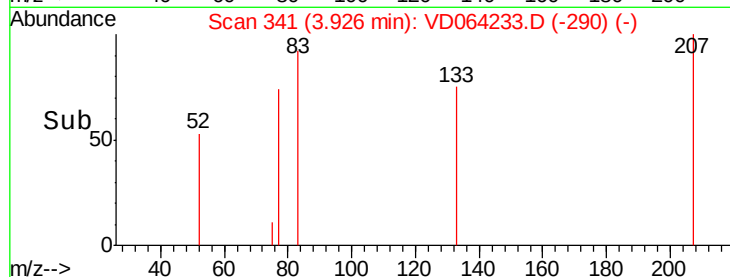
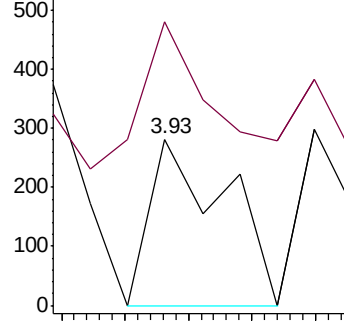
56 100

55 339.1 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 13.711 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064233.D

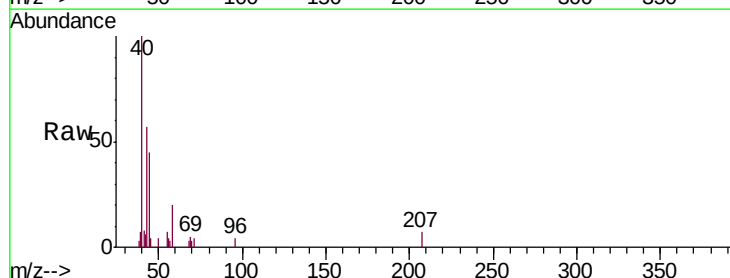
Acq: 15 Nov 2019 17:59

Tgt Ion: 43 Resp: 8210

Ion Ratio Lower Upper

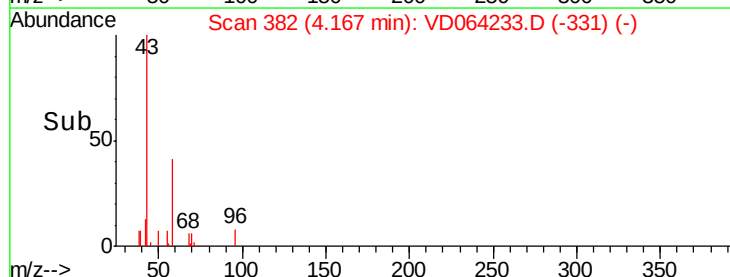
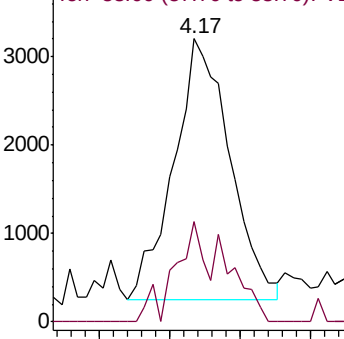
43 100

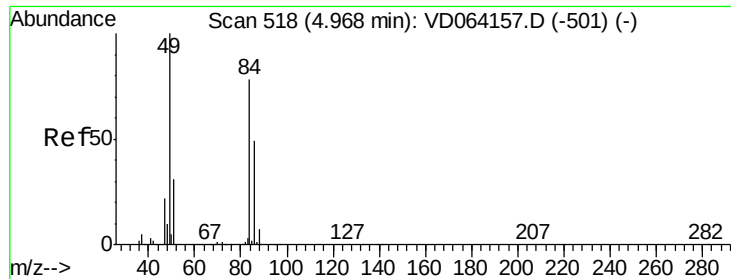
58 38.4 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

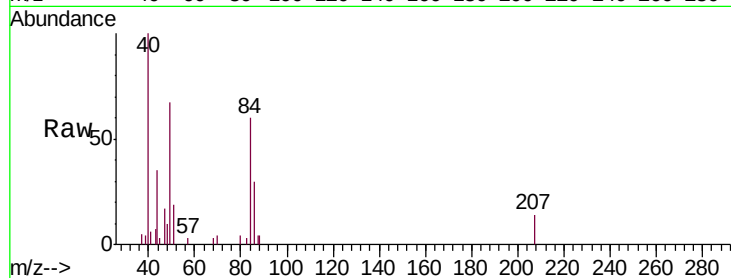




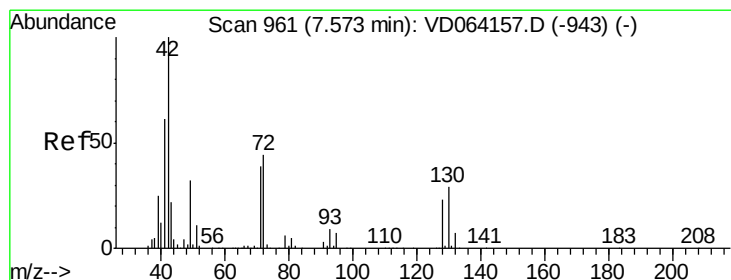
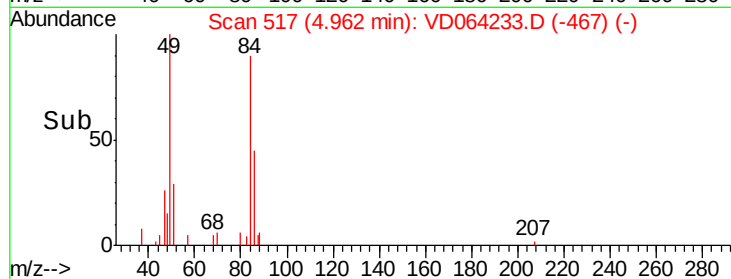
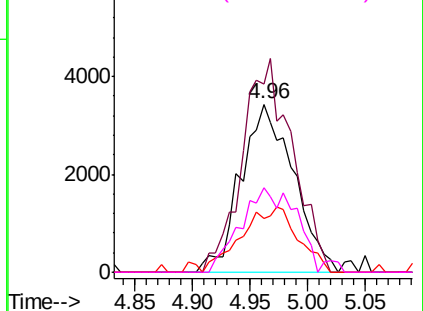
#20
Methylene Chloride
Concen: 3.626 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-01

Tgt Ion: 84 Resp: 10968
Ion Ratio Lower Upper
84 100
49 111.6 102.1 153.1
51 32.1 32.2 48.2#
86 50.3 49.9 74.9

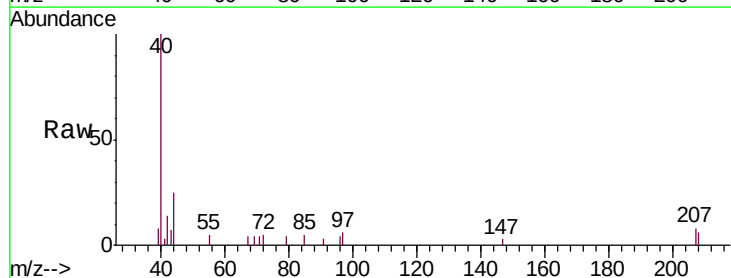


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

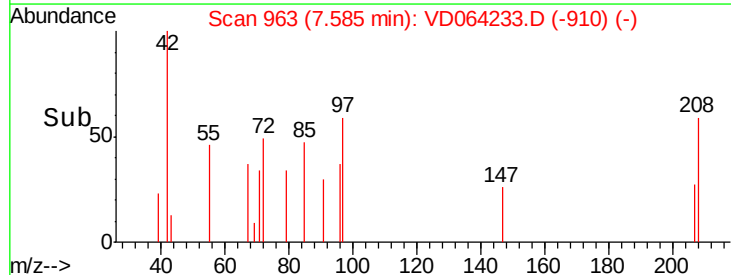
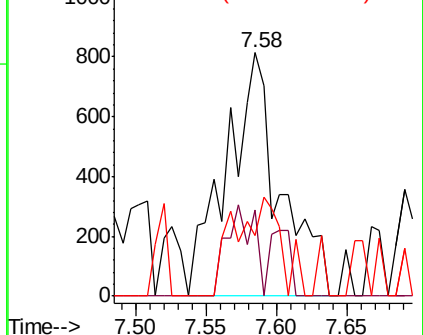


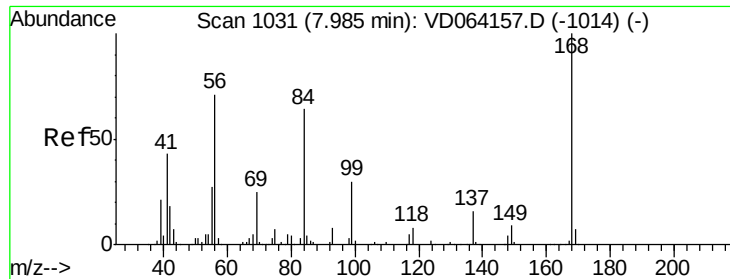
#29
Tetrahydrofuran
Concen: 4.656 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Tgt Ion: 42 Resp: 2164
Ion Ratio Lower Upper
42 100
72 10.5 33.4 50.2#
71 17.1 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

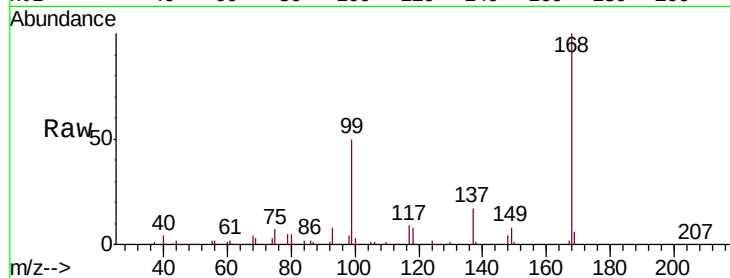




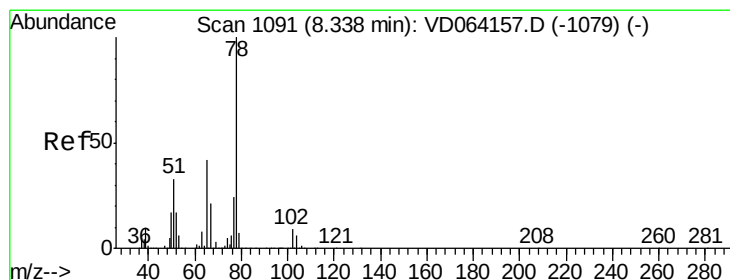
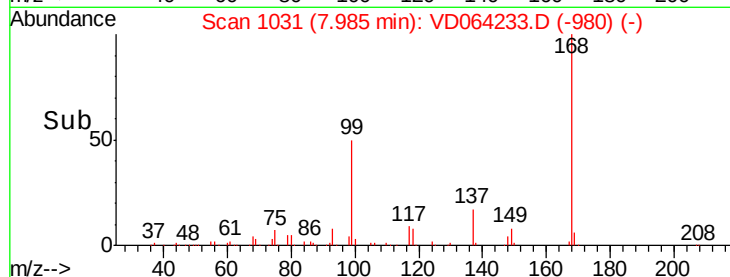
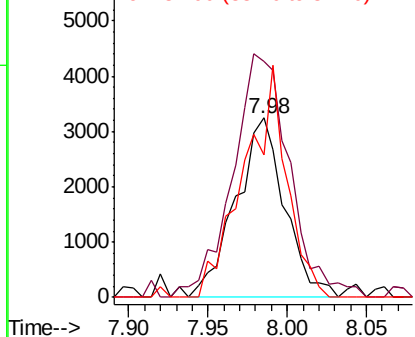
#31
Cyclohexane
Concen: 1.406 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Instrument :
MSVOA_D
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PHIPPS-BH-NW-01

Tgt Ion: 56 Resp: 6975
Ion Ratio Lower Upper
56 100
69 125.3 28.2 42.4#
84 79.5 71.8 107.6

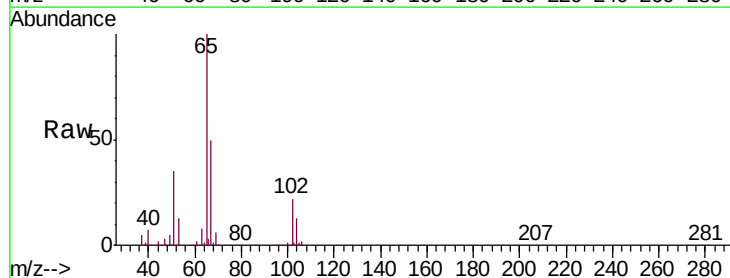


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

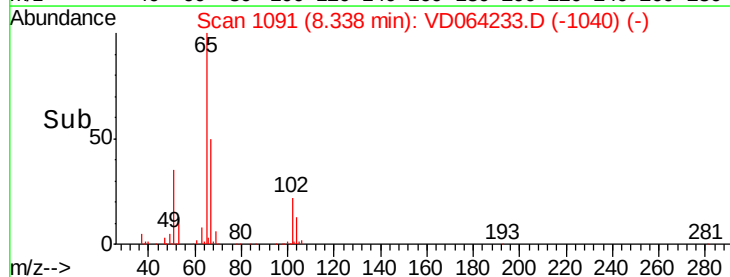
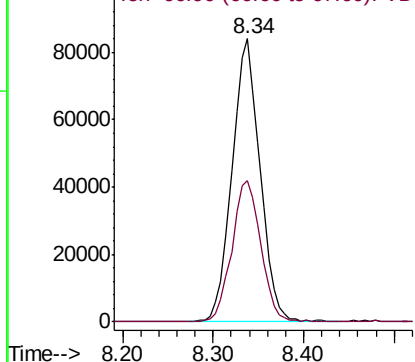


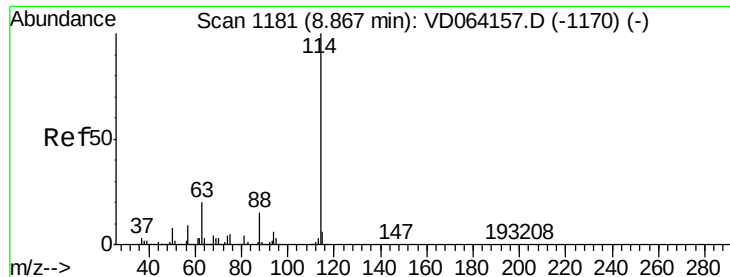
#33
1,2-Dichloroethane-d4
Concen: 71.247 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Tgt Ion: 65 Resp: 180089
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

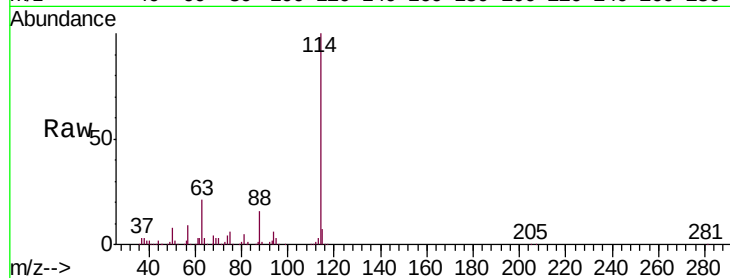




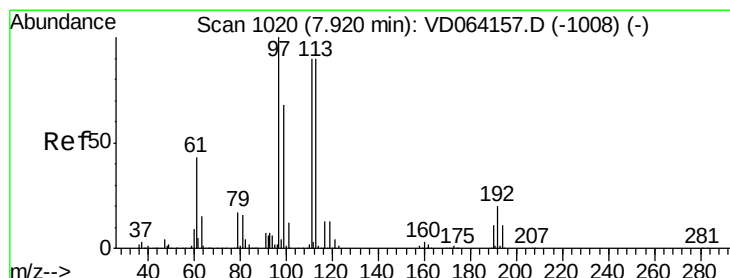
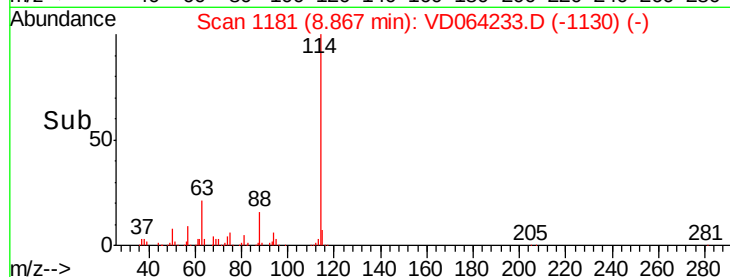
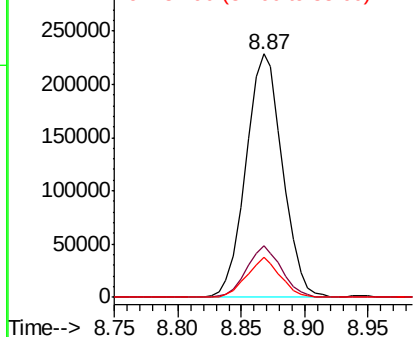
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-NW-01

Tgt Ion:114 Resp: 457998
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 16.3 0.0 30.2

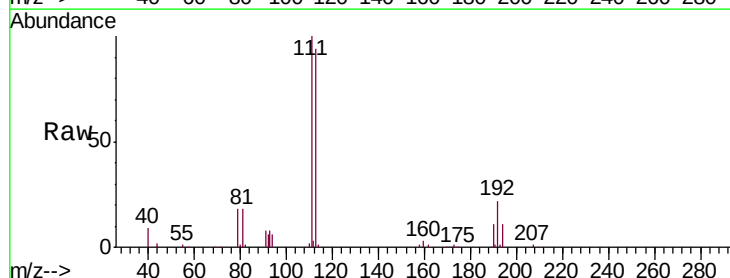


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

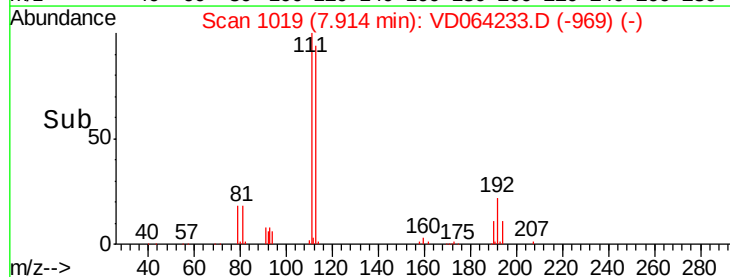
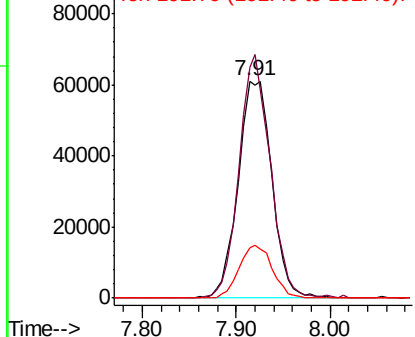


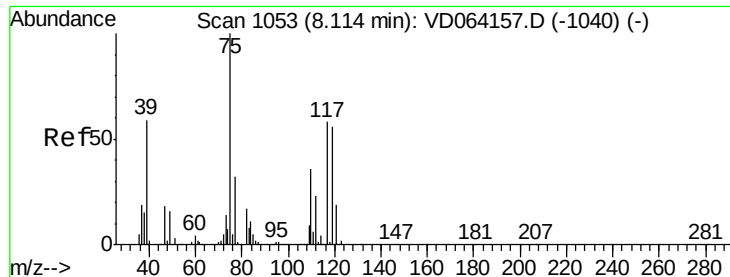
#35
 Dibromofluoromethane
 Concen: 57.922 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

Tgt Ion:113 Resp: 152276
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.5 122.3
 192 23.8 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

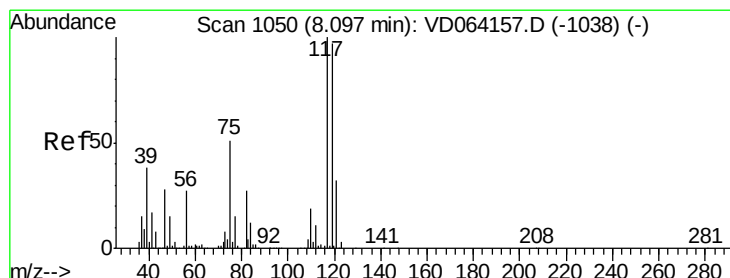
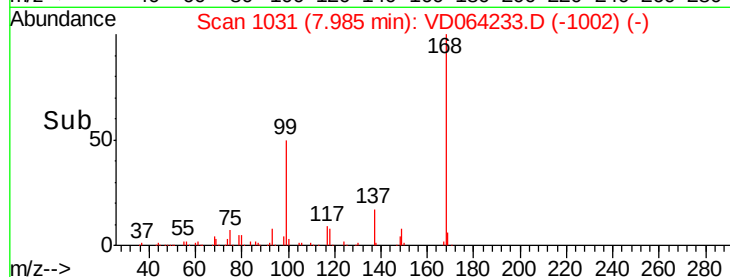
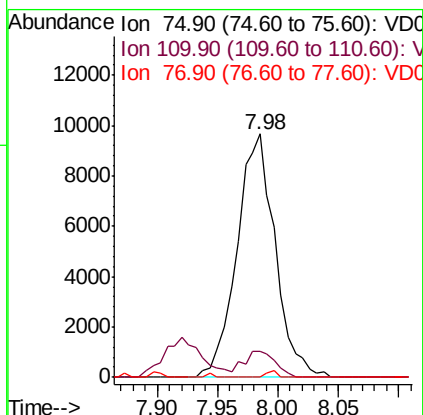
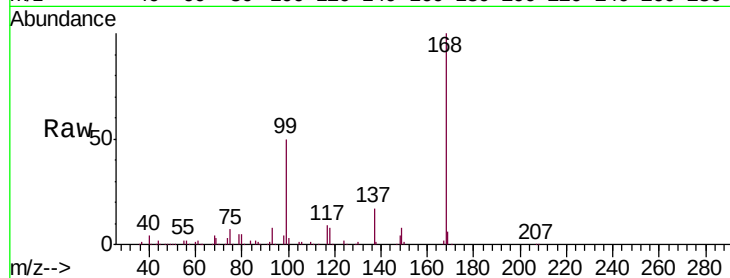




#36
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

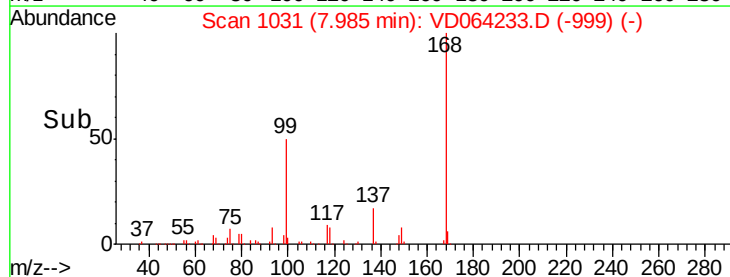
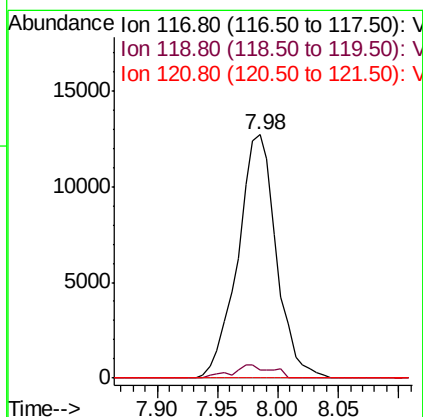
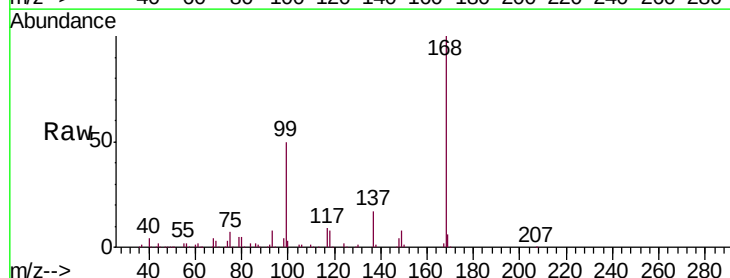
Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-NW-01

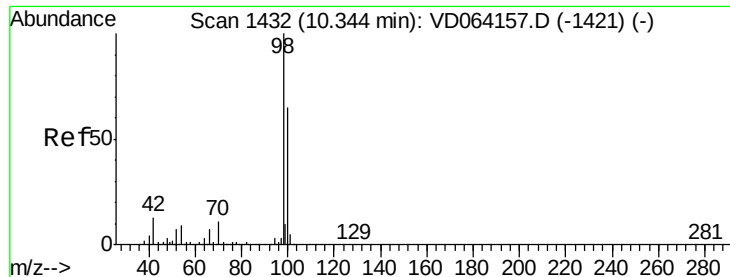
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.7	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.230 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.2	115.8#
121	0.0	25.5	38.3#

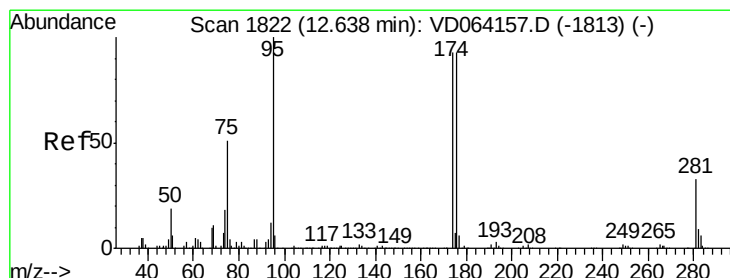
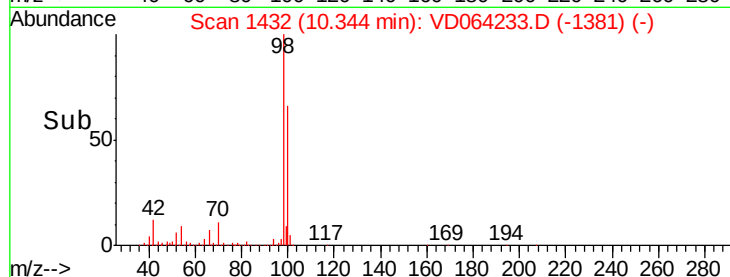
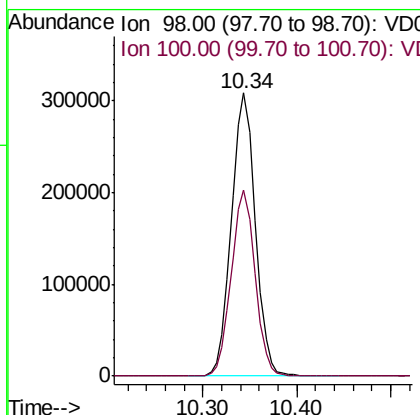
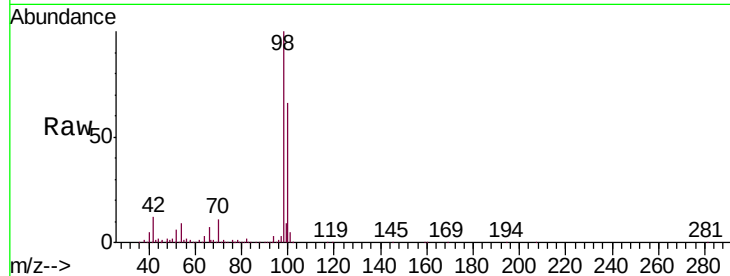




#50
Toluene-d8
Concen: 55.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

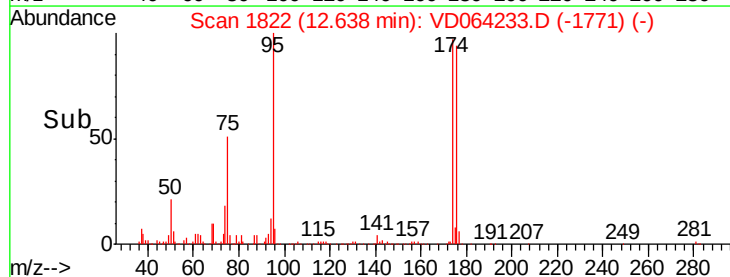
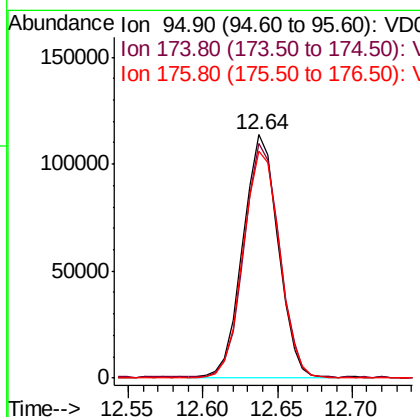
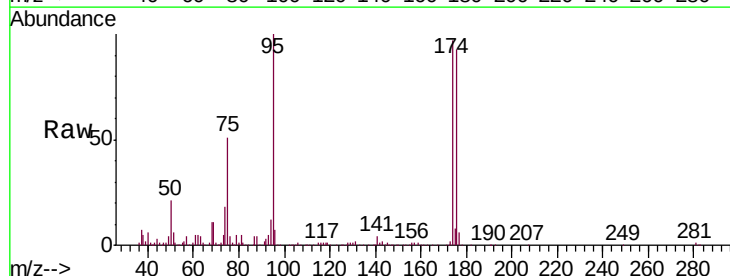
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-01

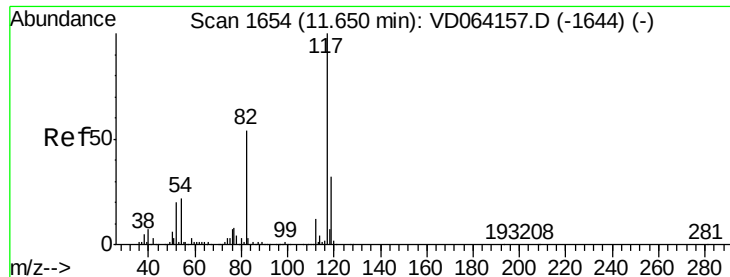
Tgt Ion: 98 Resp: 545566
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.880 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Tgt Ion: 95 Resp: 185054
Ion Ratio Lower Upper
95 100
174 96.7 0.0 183.6
176 97.1 0.0 180.2

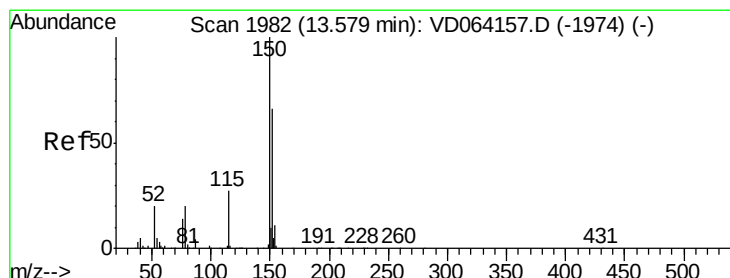
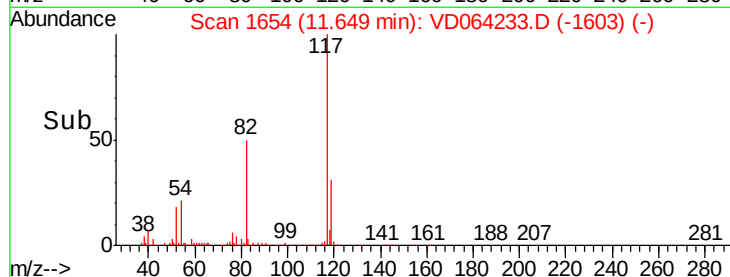
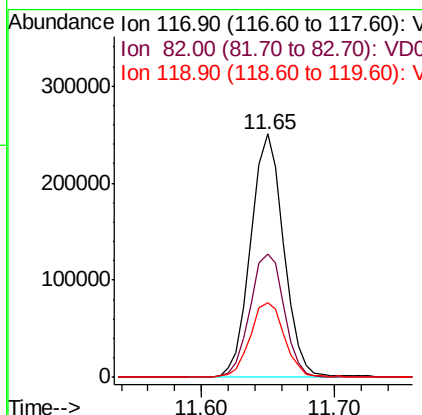
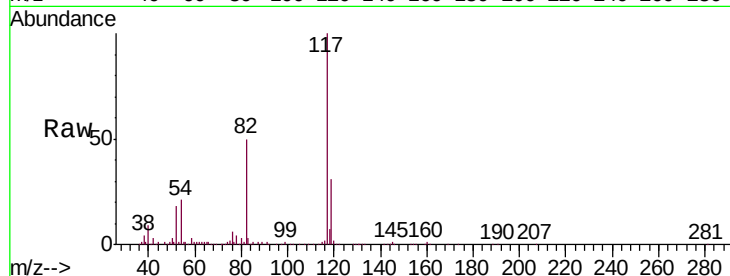




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

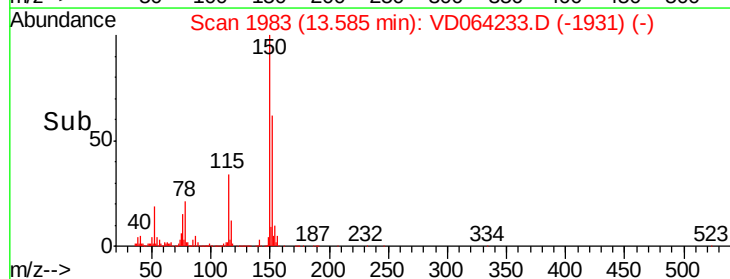
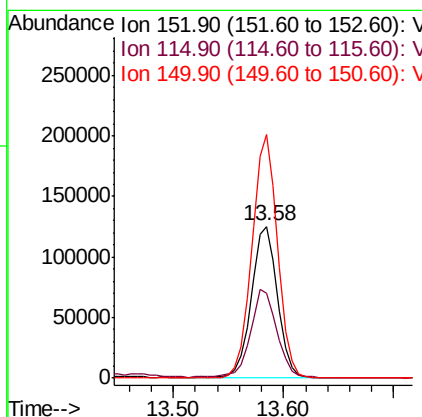
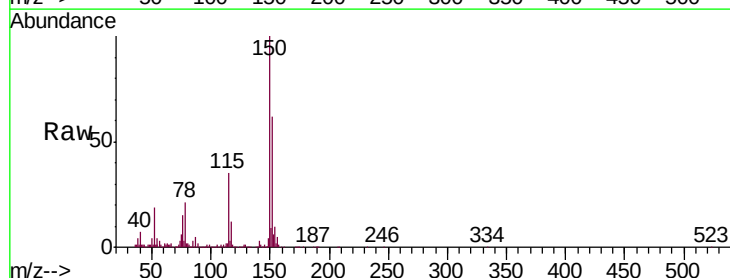
Instrument :
MSVOA_D
ClientSampleId :
PHIPPS-BH-NW-01

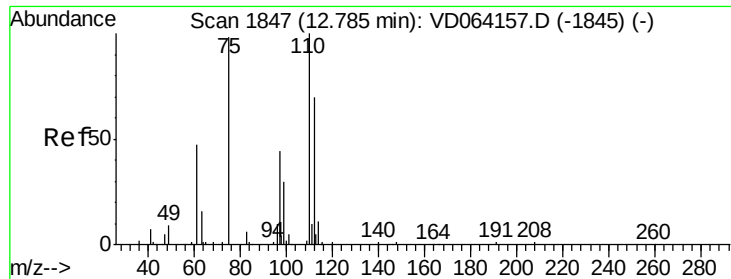
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.8	64.2
119	30.7	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064233.D
Acq: 15 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	27.4	82.2
150	156.7	0.0	351.6

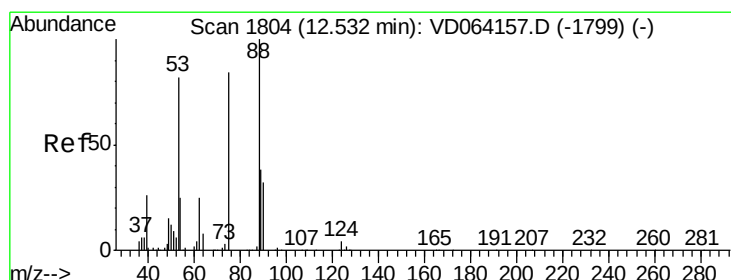
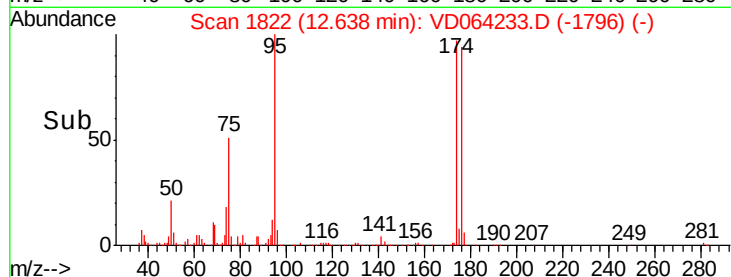
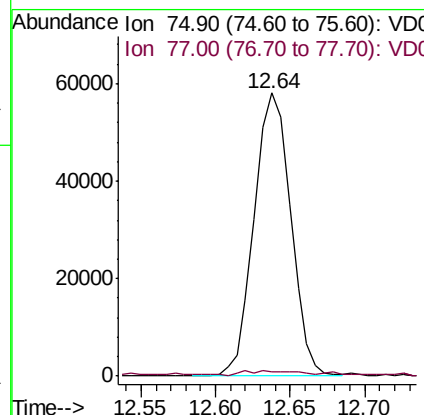
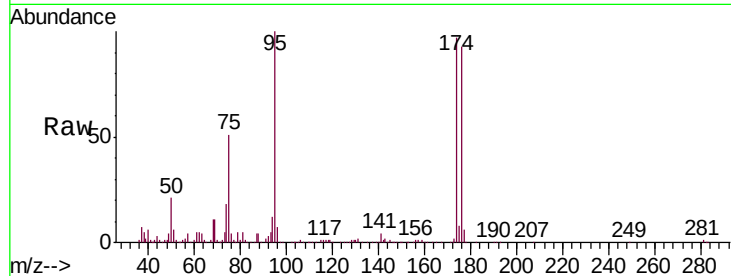




#76
 1,2,3-Trichloropropane
 Concen: 59.401 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

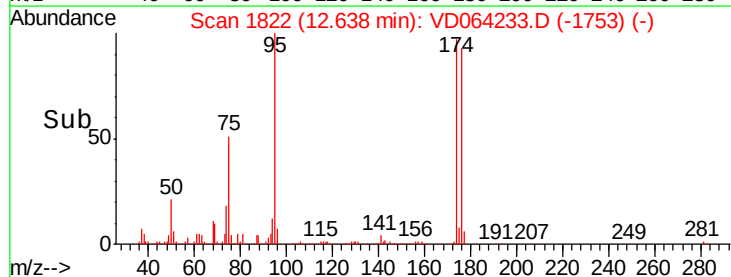
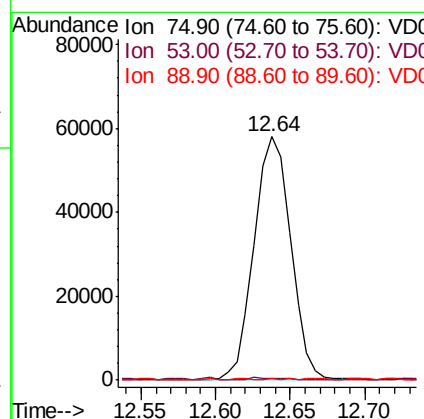
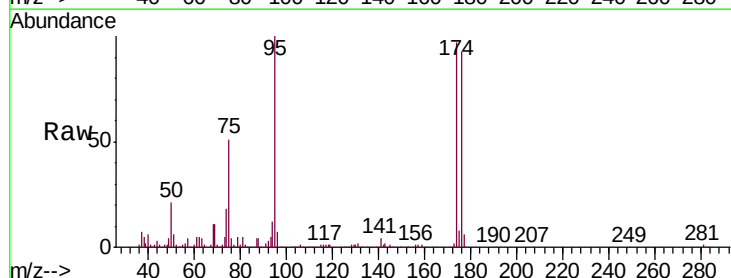
Instrument :
 MSVOA_D
 ClientSampleId :
 PHIPPS-BH-NW-01

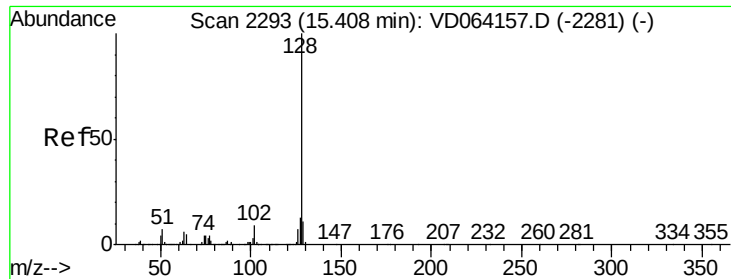
Tgt Ion: 75 Resp: 99053
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.994 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064233.D
 Acq: 15 Nov 2019 17:59

Tgt Ion: 75 Resp: 99053
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.0#
 89 0.5 36.6 55.0#





#95

Naphthalene

Concen: 1.025 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064233.D

Acq: 15 Nov 2019 17:59

Instrument :

MSVOA_D

ClientSampleId :

PHIPPS-BH-NW-01

Tgt Ion:128 Resp: 7521

Ion Ratio Lower Upper

128 100

127 5.3 10.5 15.7#

129 62.5 8.6 13.0#

