

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064550.D
 Acq On : 17 Dec 2019 17:34
 Operator : VA/SY
 Sample : K6357-07
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PF-B

Quant Time: Dec 18 00:49:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	658173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	180400	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	7.92	113	198739	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.34	98	788578	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.64	95	285002	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	

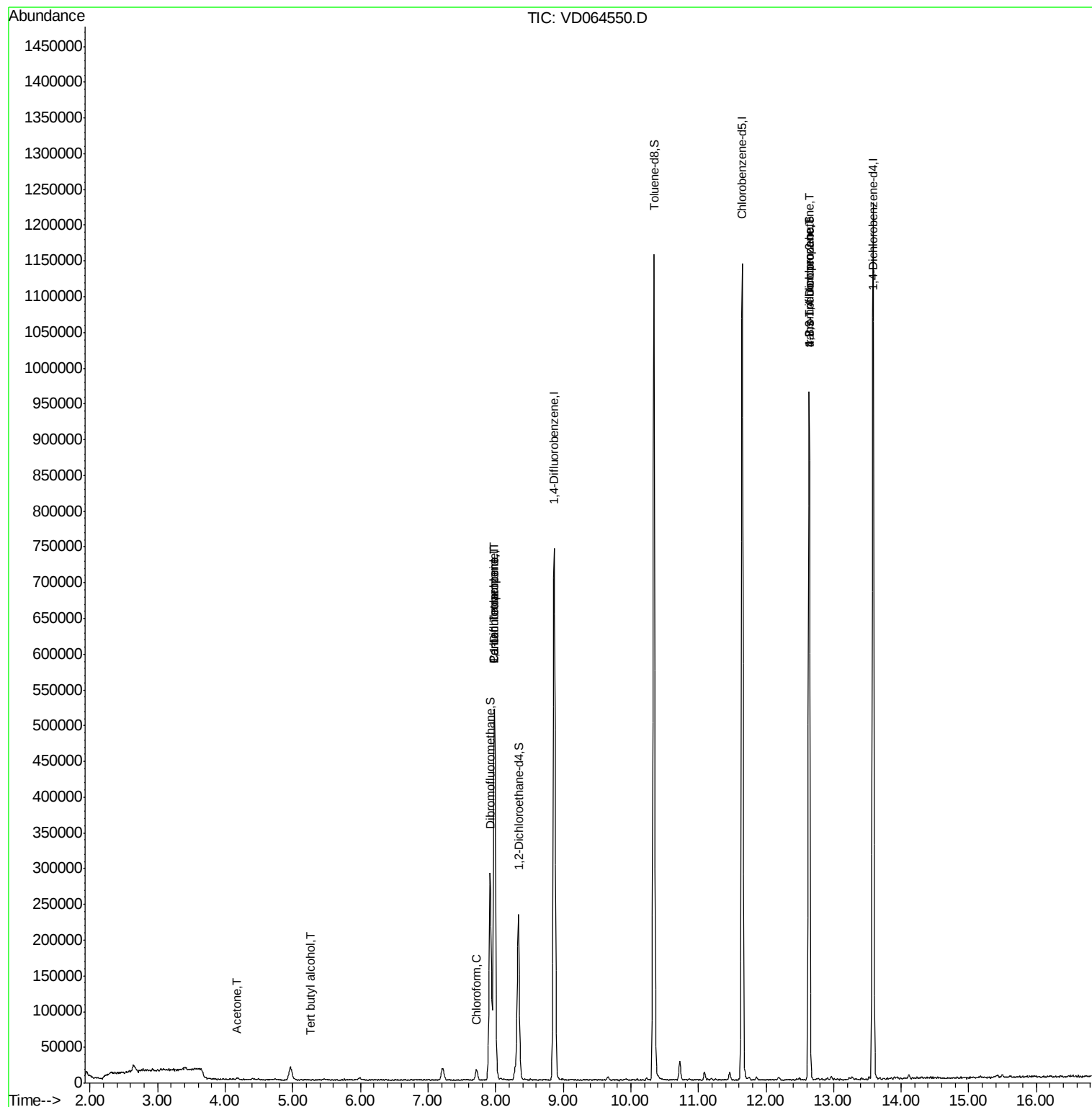
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.26	59	630	2.591	ug/l #	100
16) Acetone	4.17	43	3626	4.697	ug/l #	54
20) Methylene Chloride	4.96	84	13249	Below Cal	#	95
30) Chloroform	7.71	83	13796	1.890	ug/l	96
31) Cyclohexane	7.98	56	8702	Below Cal	#	46
36) 1,1-Dichloropropene	7.98	75	29289	4.690	ug/l #	50
38) Carbon Tetrachloride	7.98	117	38413	5.827	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	150376	55.095	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150376	120.135	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	54	Below Cal	#	1

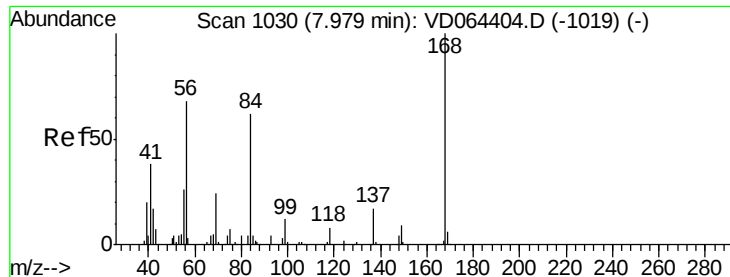
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
Data File : VD064550.D
Acq On : 17 Dec 2019 17:34
Operator : VA/SY
Sample : K6357-07
Misc : 5.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PF-B

Quant Time: Dec 18 00:49:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

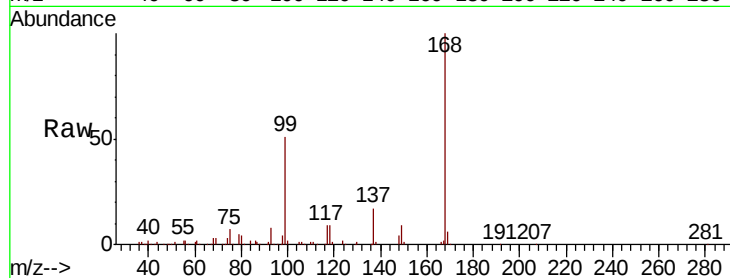
PF-B

Tgt Ion:168 Resp: 422042

Ion Ratio Lower Upper

168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

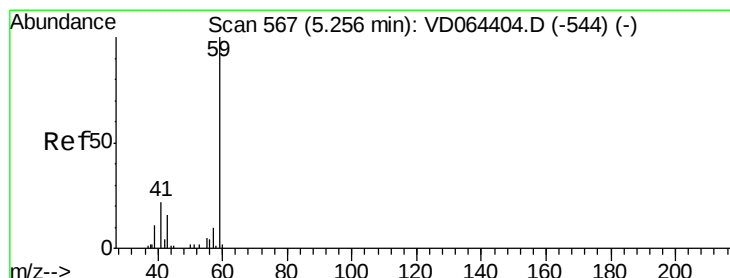
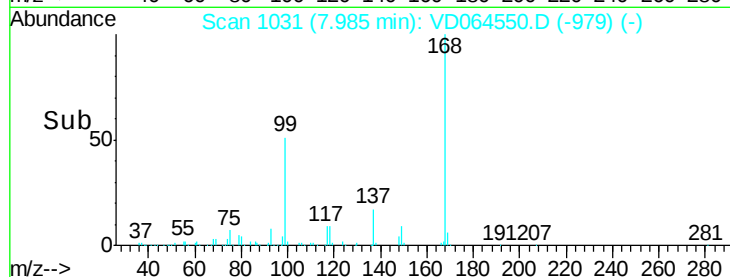
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.591 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.01 min

Lab File: VD064550.D

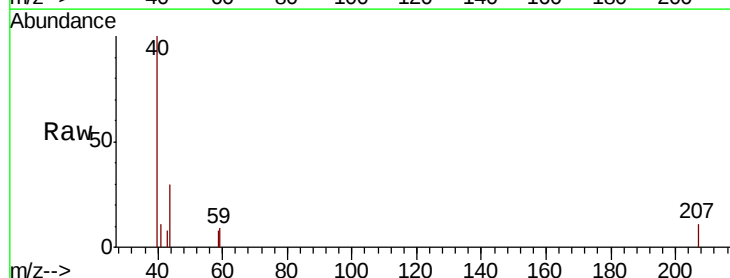
Acq: 17 Dec 2019 17:34

Tgt Ion: 59 Resp: 630

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

400

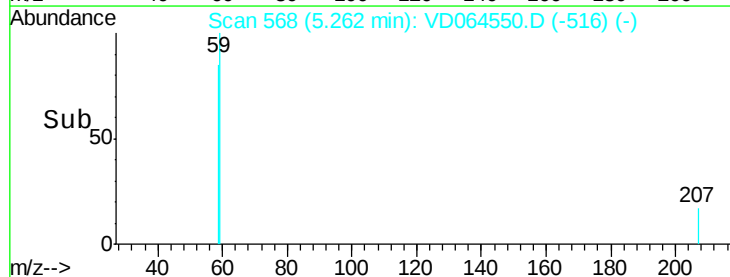
300

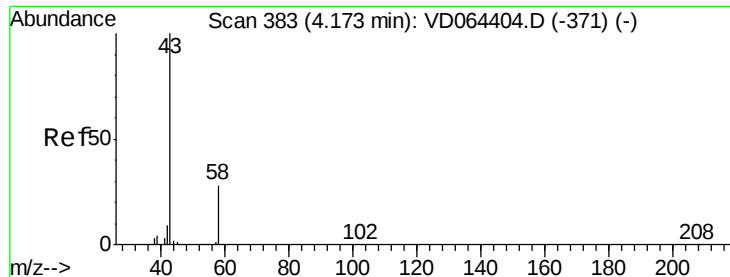
200

100

0

Time-->





#16

Acetone

Concen: 4.697 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

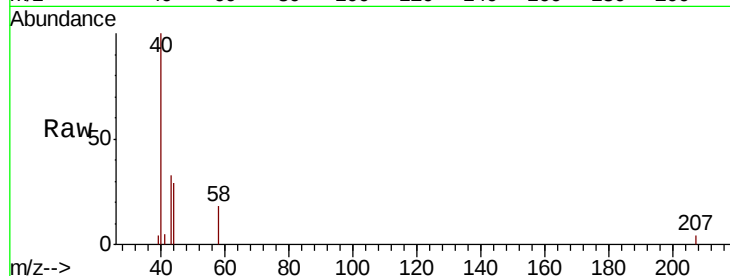
PF-B

Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

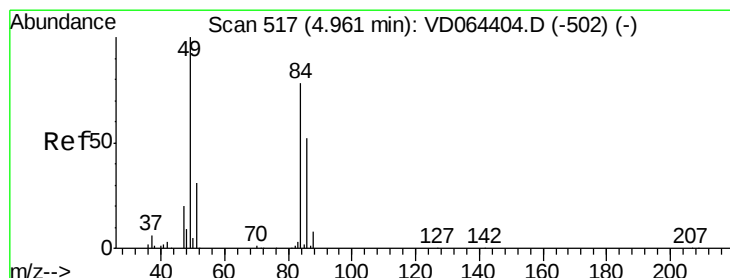
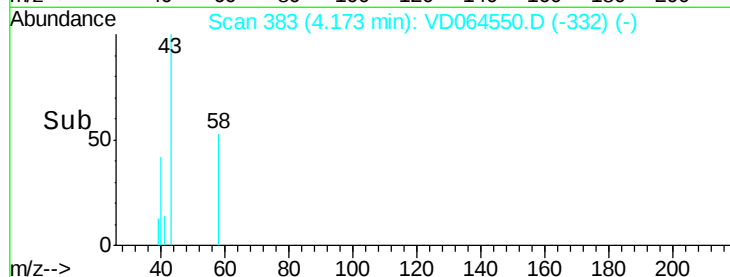
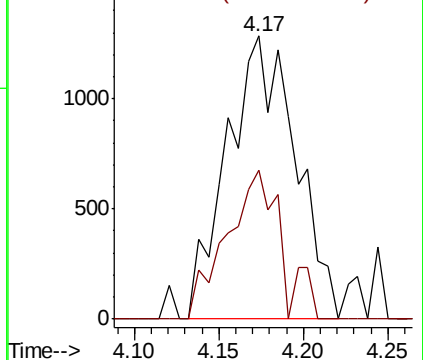
43 100

58 52.7 22.6 33.8#



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: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Tgt Ion: 84 Resp: 13249

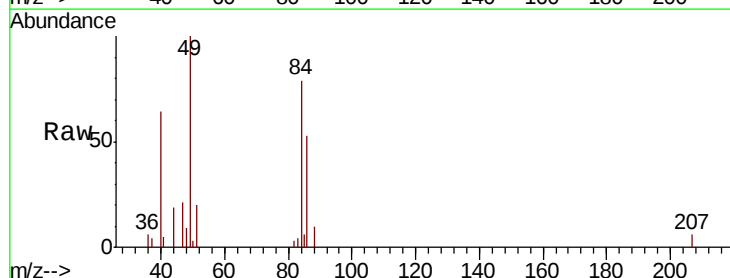
Ion Ratio Lower Upper

84 100

49 126.4 102.6 153.8

51 25.5 32.0 48.0#

86 67.1 53.4 80.0

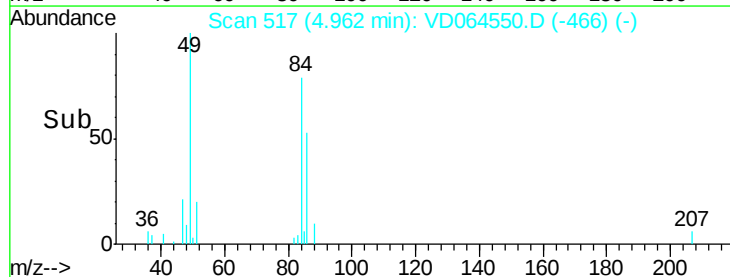
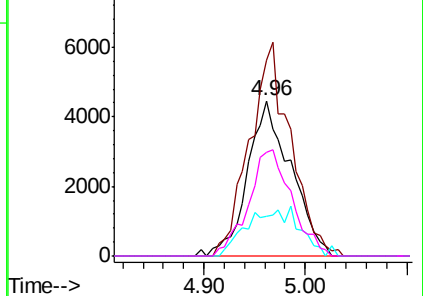


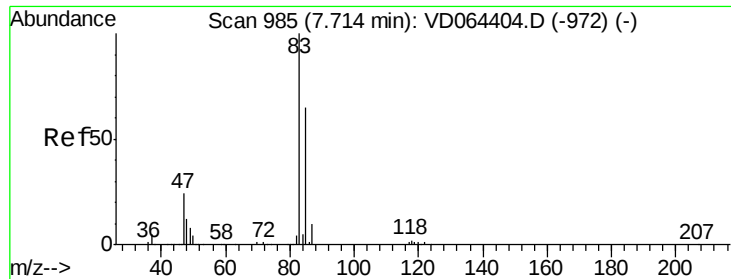
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

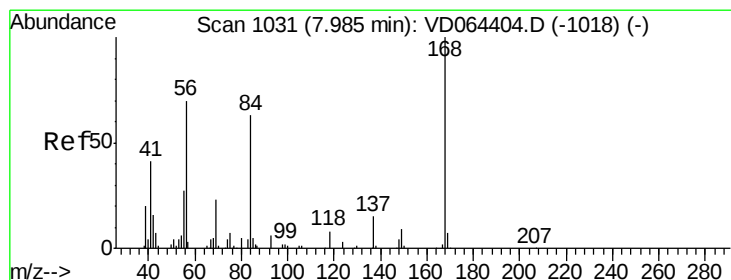
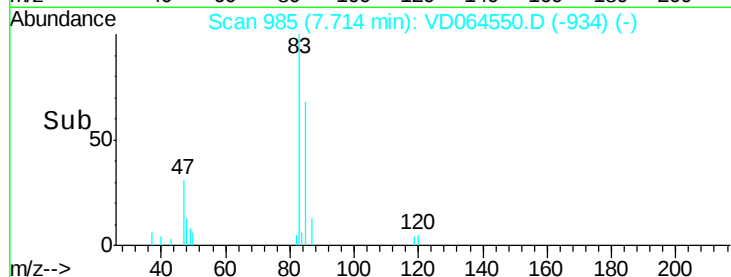
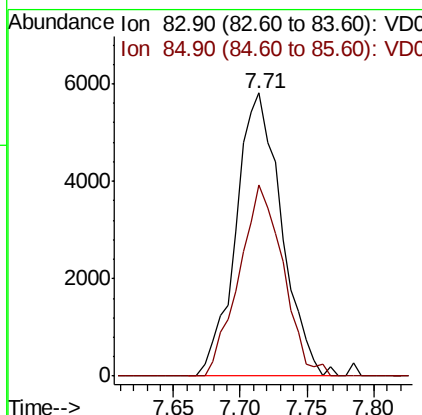
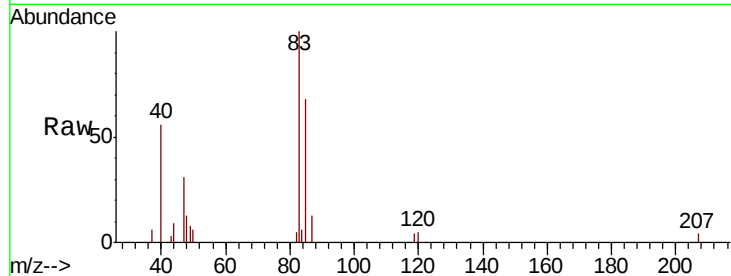




#30
Chloroform
Concen: 1.890 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

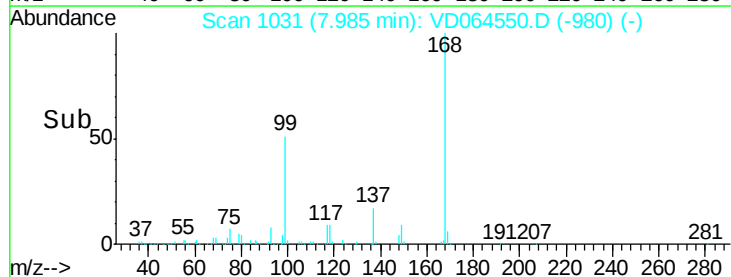
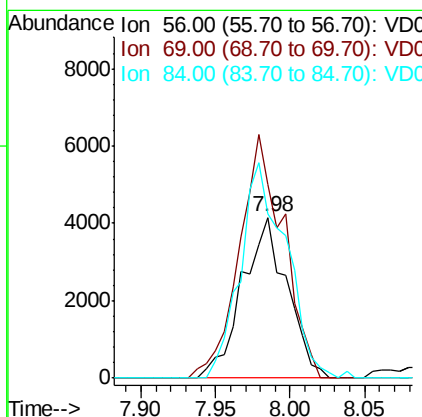
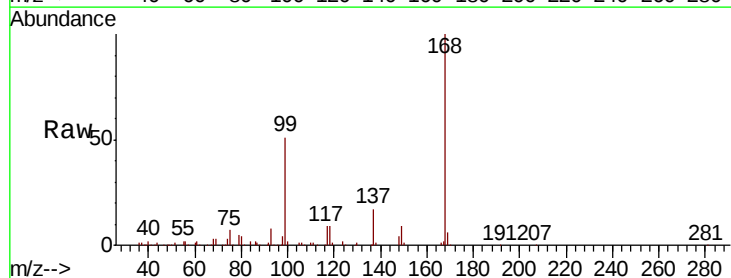
Instrument :
MSVOA_D
ClientSampleId :
PF-B

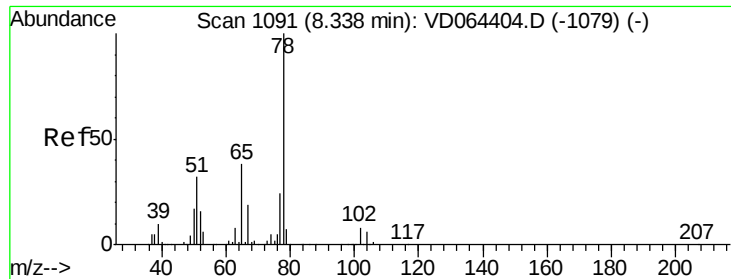
Tgt Ion: 83 Resp: 13796
Ion Ratio Lower Upper
83 100
85 67.5 51.8 77.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

Tgt Ion: 56 Resp: 8702
Ion Ratio Lower Upper
56 100
69 120.9 26.2 39.4#
84 102.5 70.3 105.5

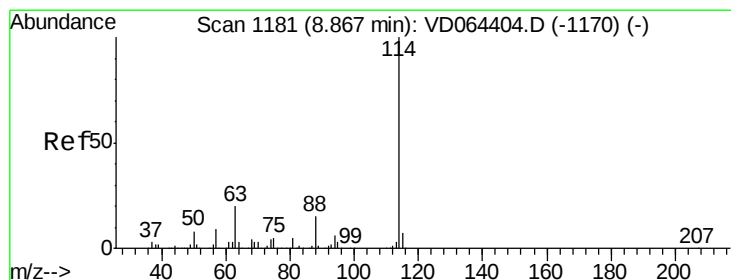
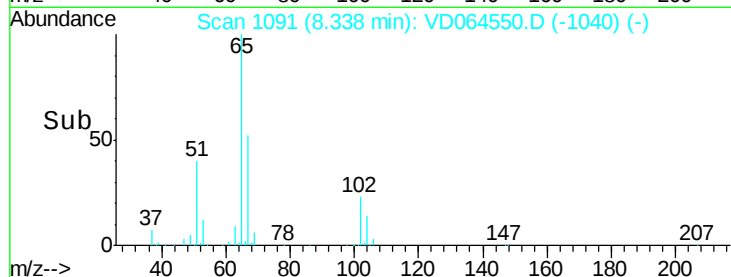
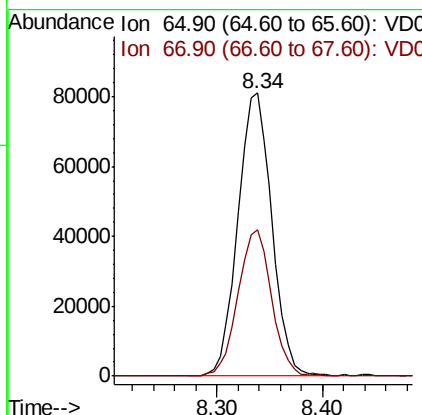
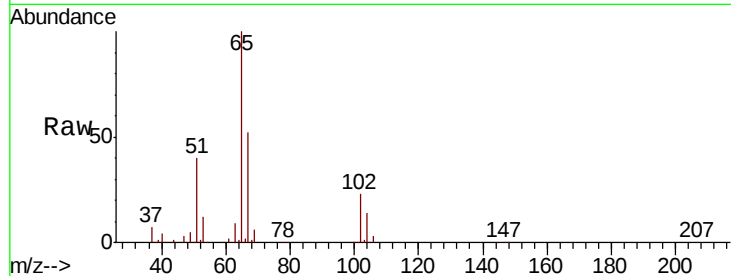




#33
 1,2-Dichloroethane-d4
 Concen: 47.224 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064550.D
 Acq: 17 Dec 2019 17:34

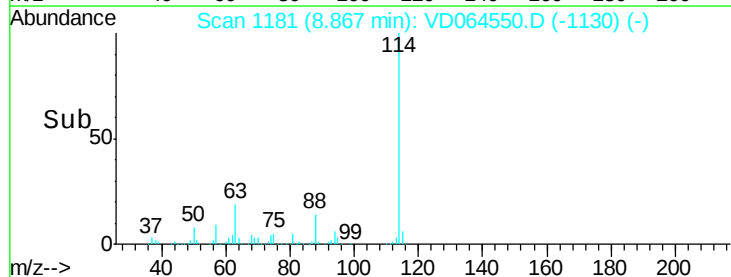
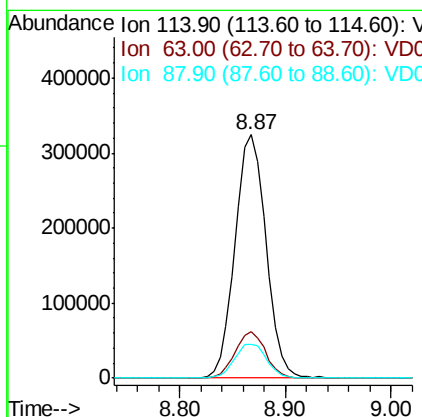
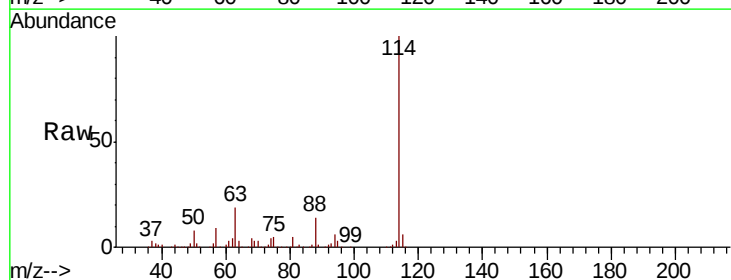
Instrument :
 MSVOA_D
 ClientSampleId :
 PF-B

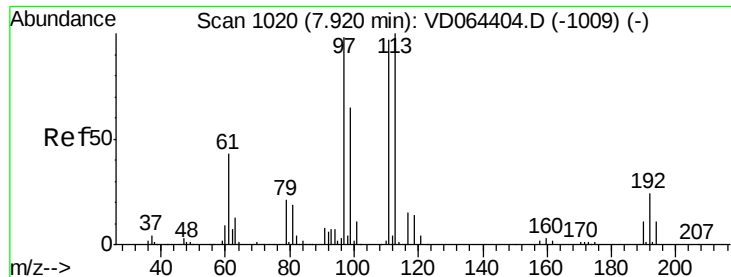
Tgt Ion: 65 Resp: 180400
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064550.D
 Acq: 17 Dec 2019 17:34

Tgt Ion: 114 Resp: 660310
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.1 0.0 29.2

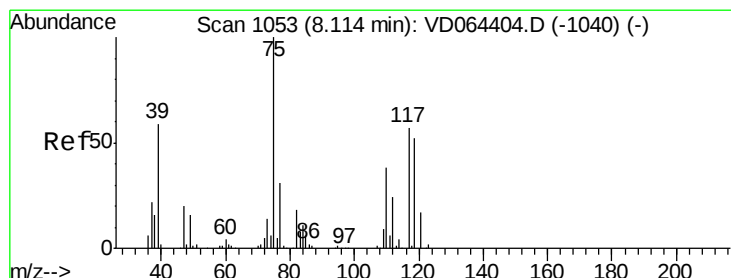
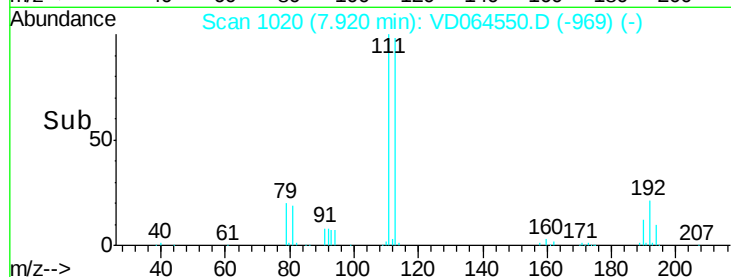
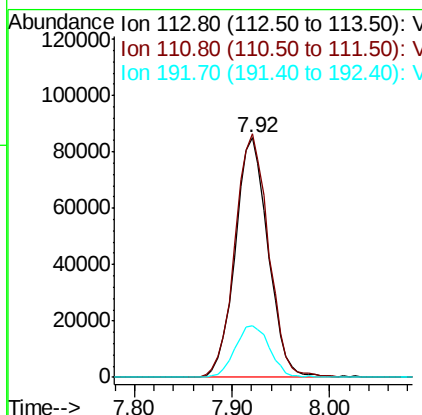
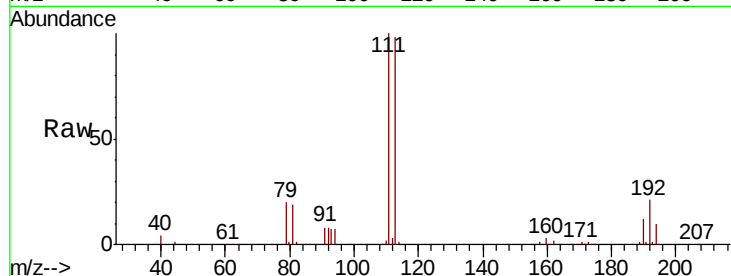




#35
 Dibromofluoromethane
 Concen: 47.770 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064550.D
 Acq: 17 Dec 2019 17:34

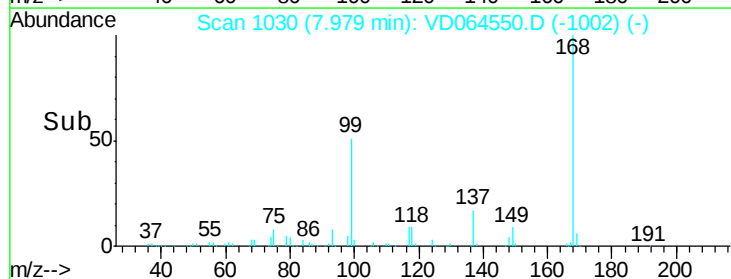
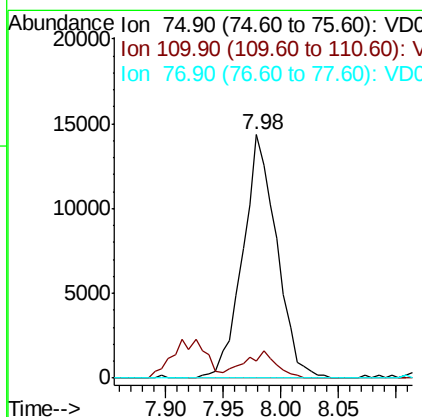
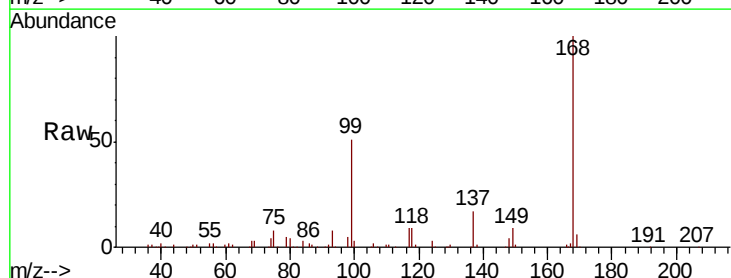
Instrument :
 MSVOA_D
 ClientSampleId :
 PF-B

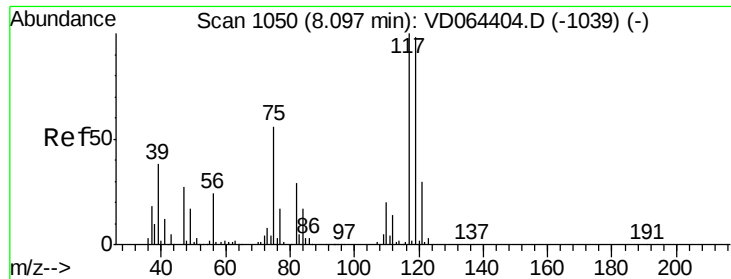
Tgt Ion: 113 Resp: 198739
 Ion Ratio Lower Upper
 113 100
 111 104.0 79.4 119.2
 192 22.9 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064550.D
 Acq: 17 Dec 2019 17:34

Tgt Ion: 75 Resp: 29289
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.6 55.8#
 77 0.0 25.0 37.4#

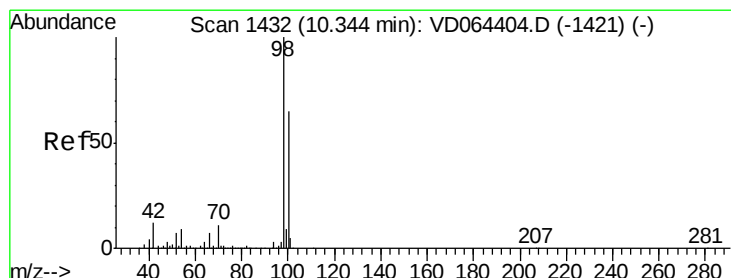
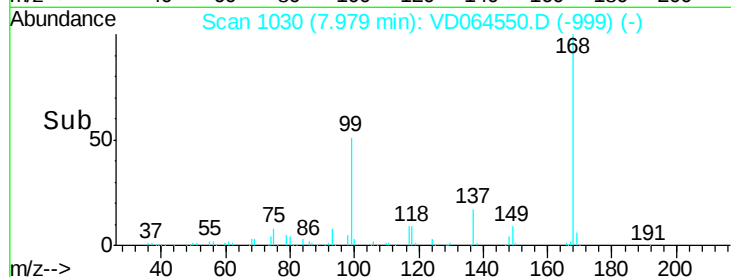
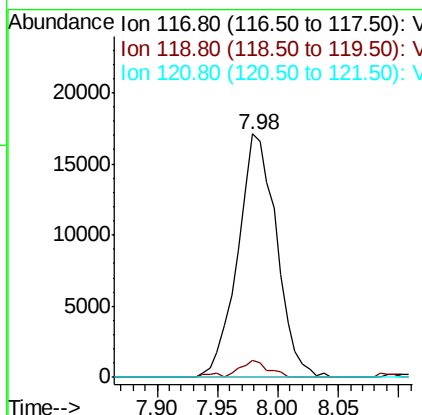
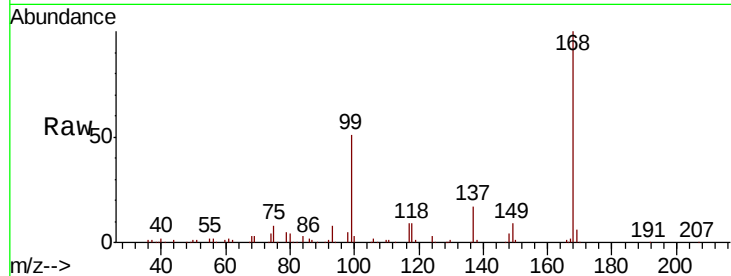




#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

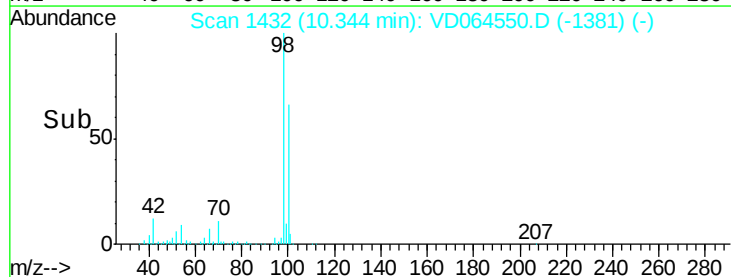
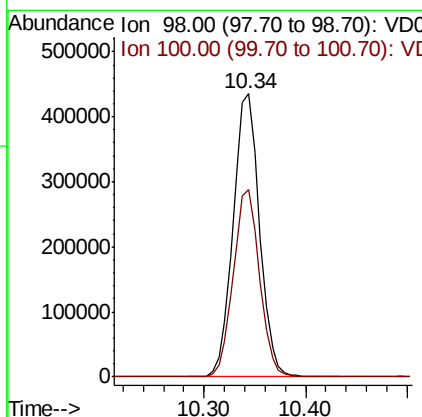
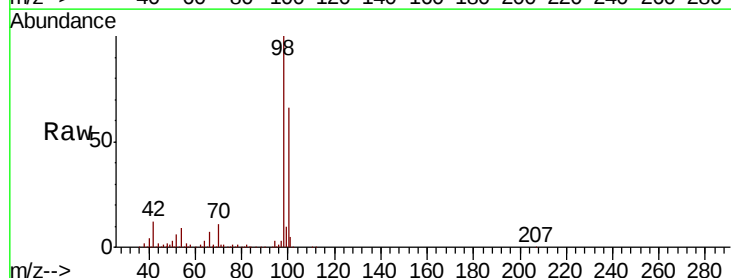
Instrument :
MSVOA_D
ClientSampled :
PF-B

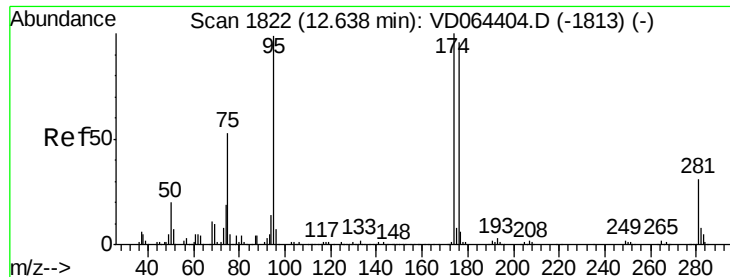
Tgt Ion:117 Resp: 38413
Ion Ratio Lower Upper
117 100
119 7.1 78.8 118.2#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.320 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

Tgt Ion: 98 Resp: 788578
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0

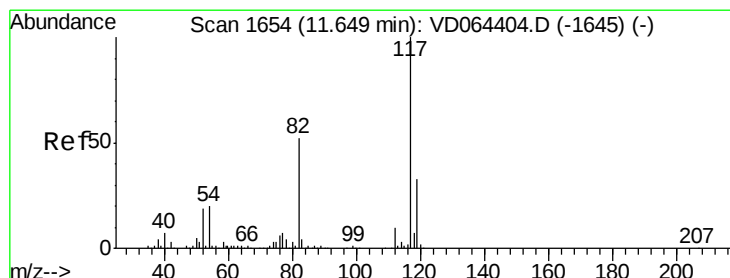
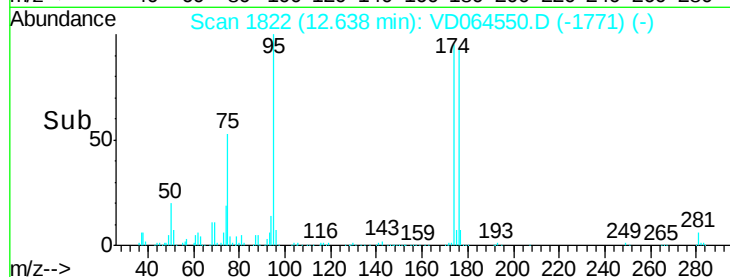
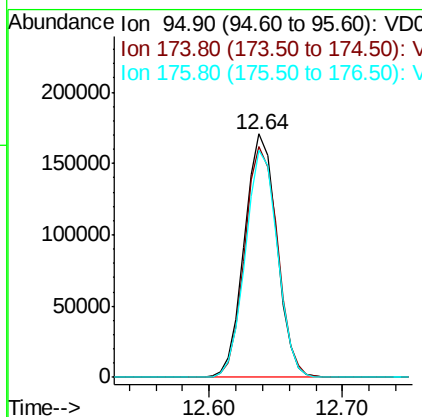
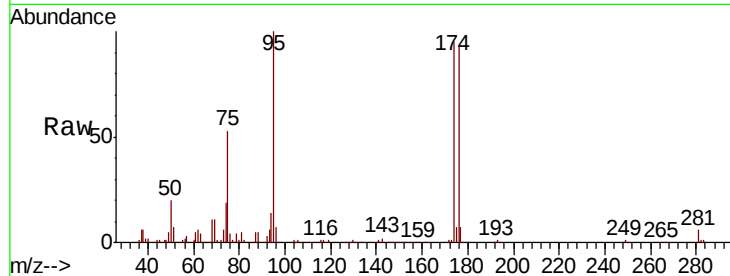




#62
4-Bromofluorobenzene
Concen: 56.589 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

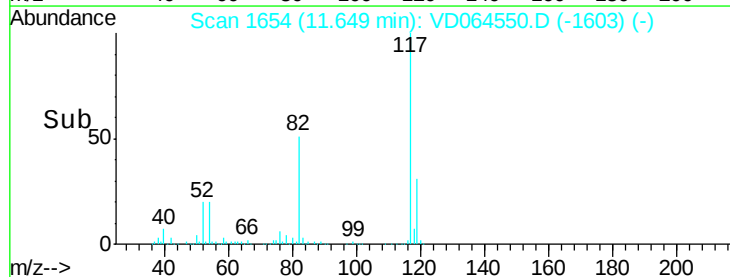
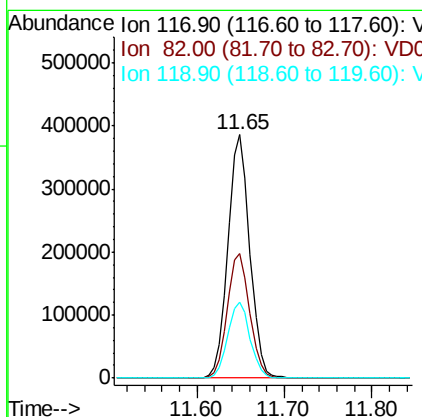
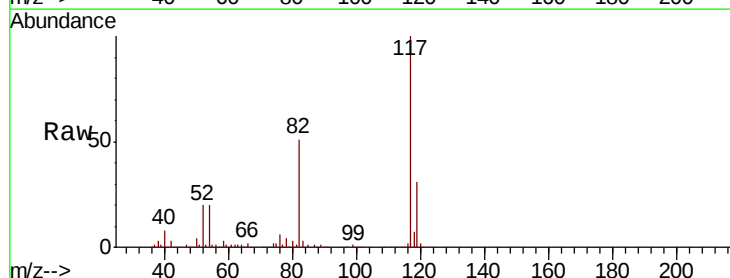
Instrument :
MSVOA_D
ClientSampleId :
PF-B

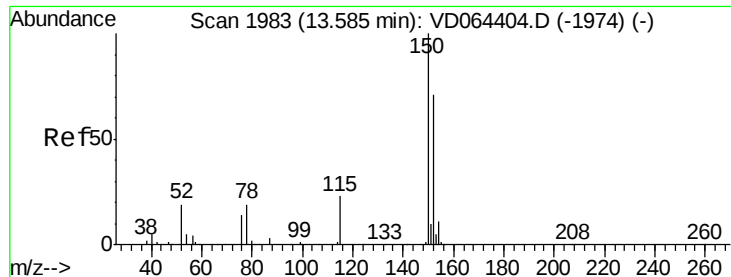
Tgt Ion: 95 Resp: 285002
Ion Ratio Lower Upper
95 100
174 96.3 0.0 197.2
176 92.2 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064550.D
Acq: 17 Dec 2019 17:34

Tgt Ion: 117 Resp: 658173
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 31.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

PF-B

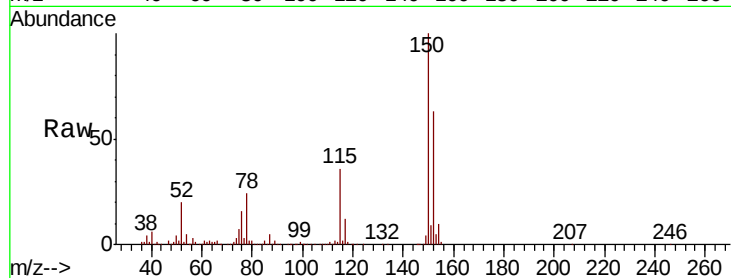
Tgt Ion: 152 Resp: 331897

Ion Ratio Lower Upper

152 100

115 54.8 26.7 80.1

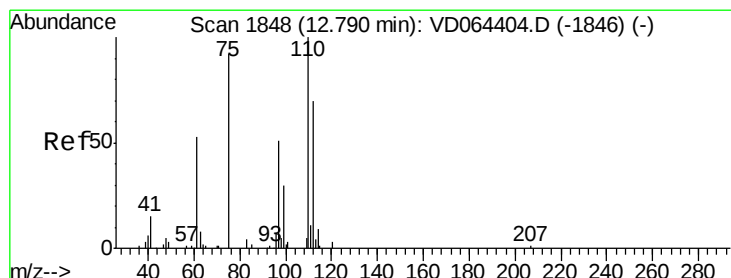
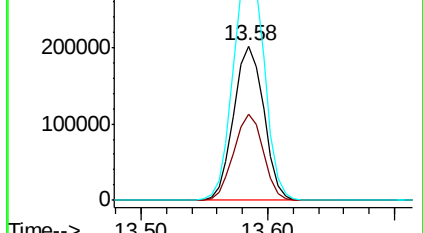
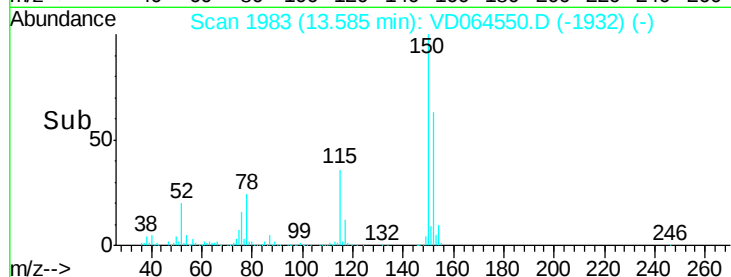
150 156.0 0.0 347.2



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: 55.095 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064550.D

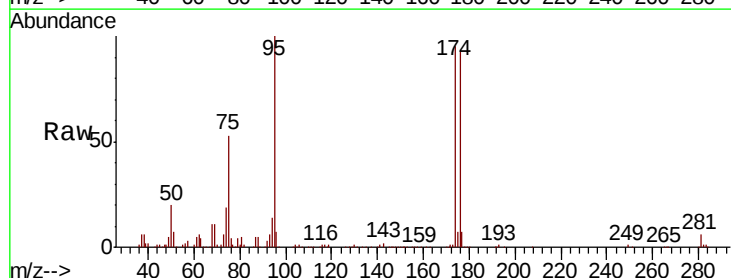
Acq: 17 Dec 2019 17:34

Tgt Ion: 75 Resp: 150376

Ion Ratio Lower Upper

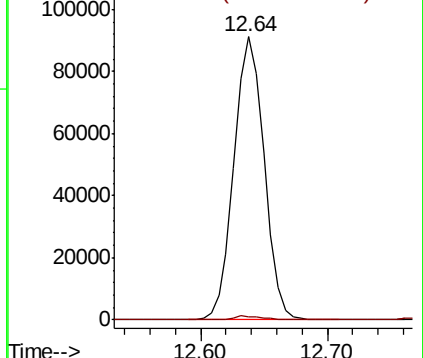
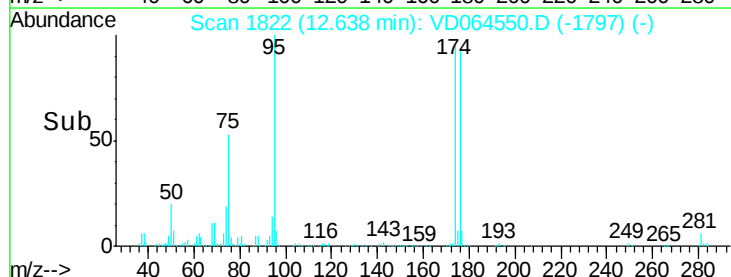
75 100

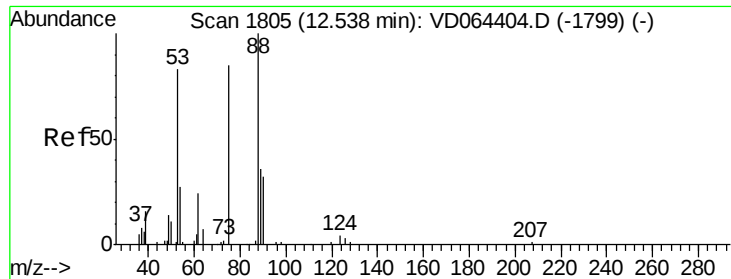
77 1.3 0.0 0.0#



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: 120.135 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

PF-B

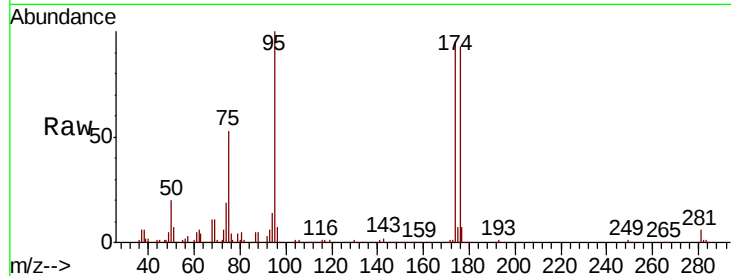
Tgt Ion: 75 Resp: 150376

Ion Ratio Lower Upper

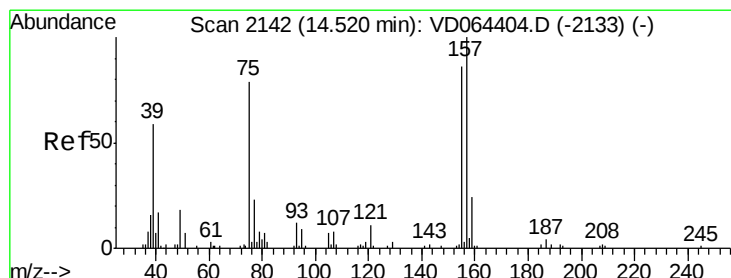
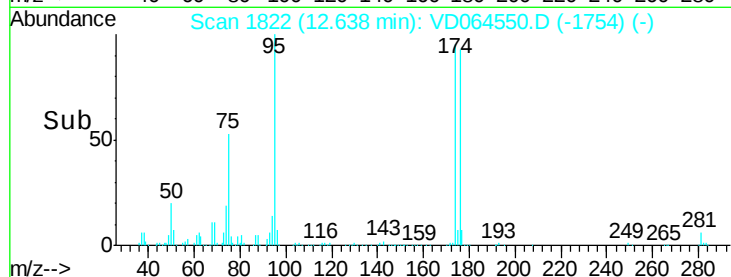
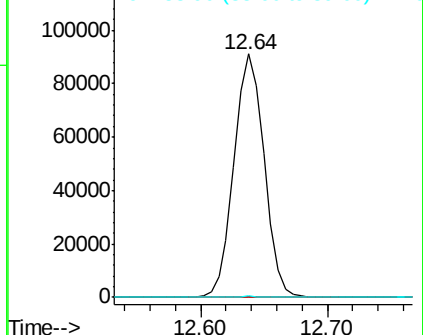
75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

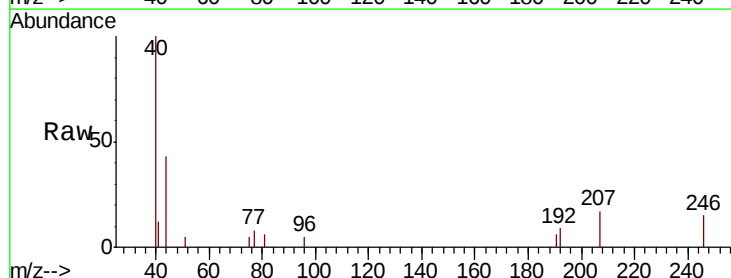
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

