

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064551.D
 Acq On : 17 Dec 2019 18:02
 Operator : VA/SY
 Sample : K6357-08
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PF-C

Quant Time: Dec 18 00:49:30 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	327238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	496266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	156945	52.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.98%	
35) Dibromofluoromethane	7.92	113	157398	50.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.68%	
50) Toluene-d8	10.34	98	607453	51.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	231115	61.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.12%	

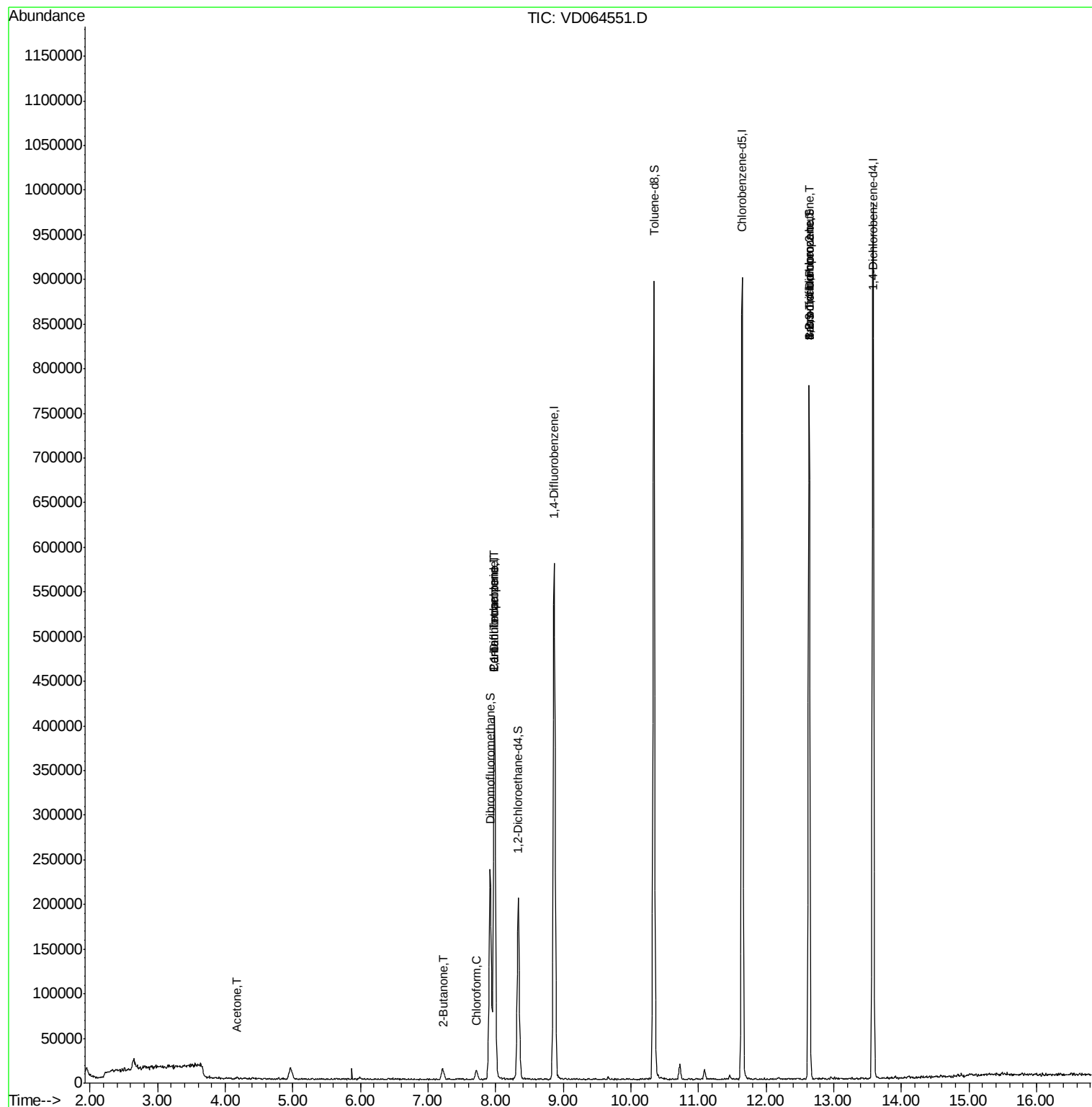
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	3118	5.209	ug/l #	82
20) Methylene Chloride	4.97	84	9395	Below Cal		85
25) 2-Butanone	7.23	43	1626	1.921	ug/l #	49
30) Chloroform	7.71	83	9058	1.600	ug/l	95
31) Cyclohexane	7.98	56	6004	Below Cal	#	45
36) 1,1-Dichloropropene	7.98	75	22124	4.713	ug/l #	50
38) Carbon Tetrachloride	7.98	117	29841	6.023	ug/l #	16
71) Bromoform	12.64	173	2563	1.080	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	117915	52.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117915	114.477	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	68	Below Cal	#	1

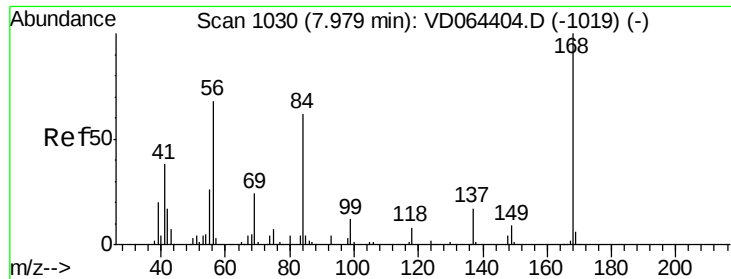
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

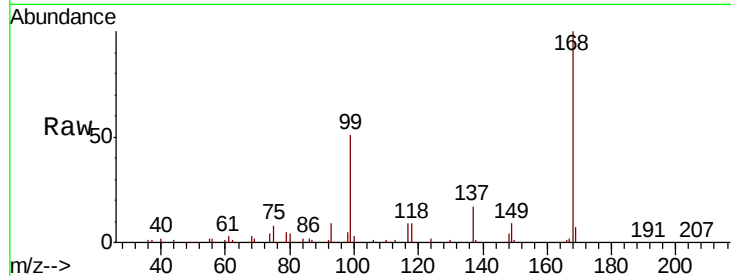
PF-C

Tgt Ion:168 Resp: 327238

Ion Ratio Lower Upper

168 100

99 50.8 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

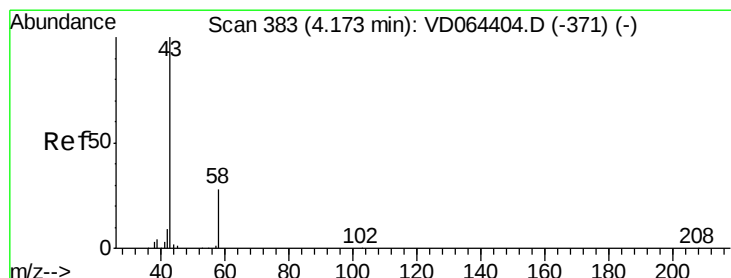
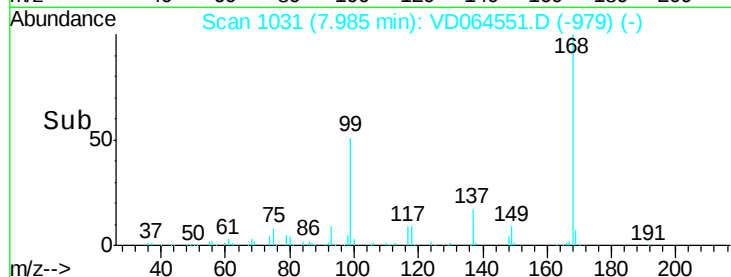
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.209 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064551.D

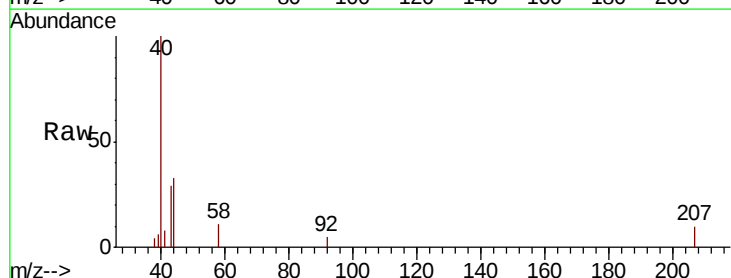
Acq: 17 Dec 2019 18:02

Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

58 37.8 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1200

1000

800

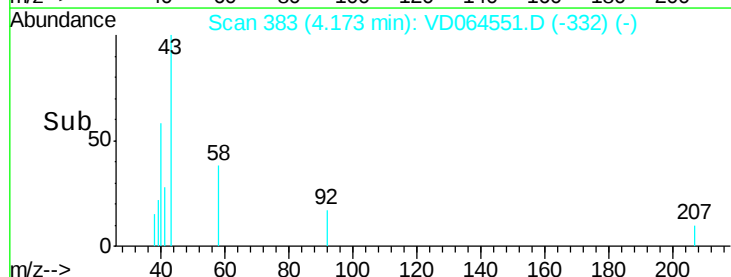
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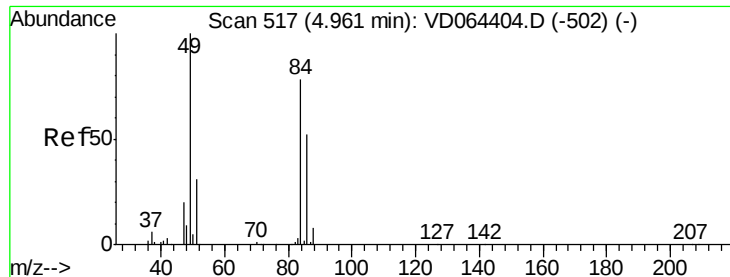
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200

0

Time-->

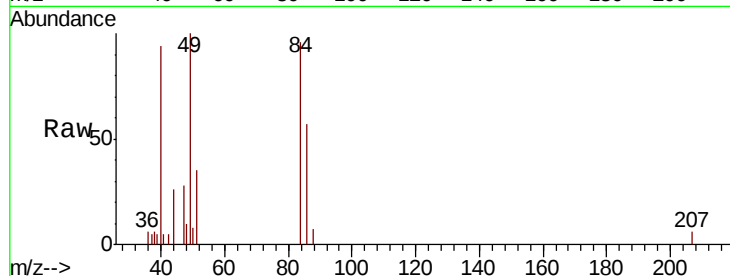




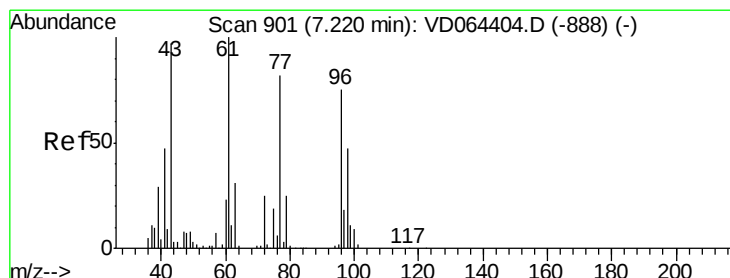
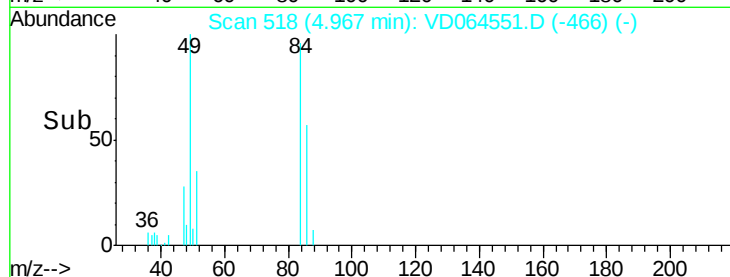
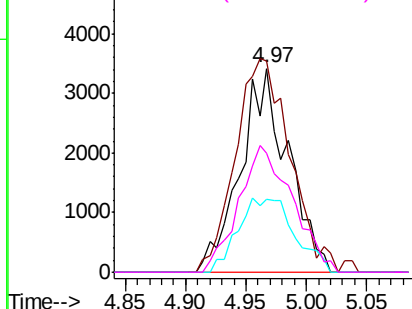
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064551.D
Acq: 17 Dec 2019 18:02

Instrument :
MSVOA_D
ClientSampleId :
PF-C

Tgt Ion: 84 Resp: 9395
Ion Ratio Lower Upper
84 100
49 103.8 102.6 153.8
51 36.0 32.0 48.0
86 58.8 53.4 80.0

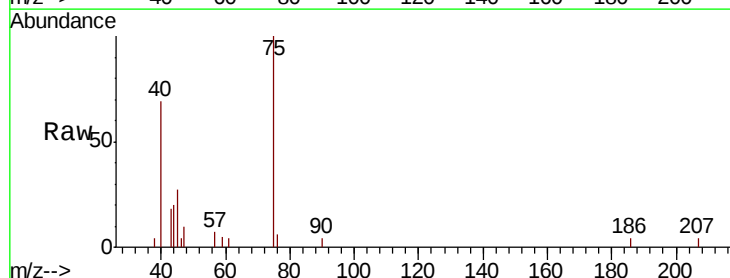


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

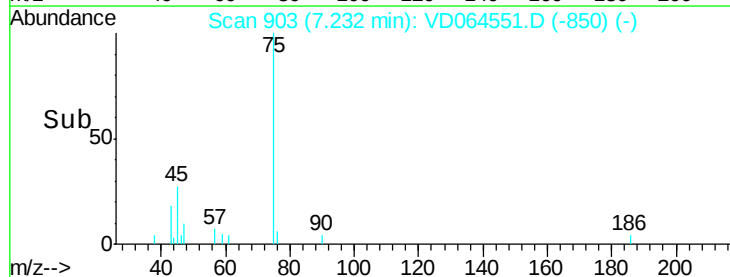
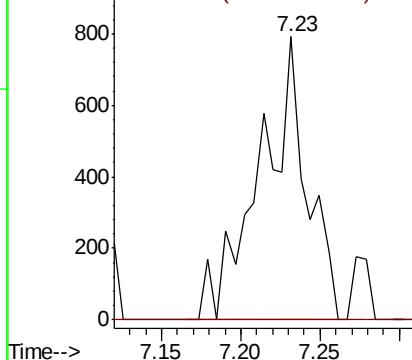


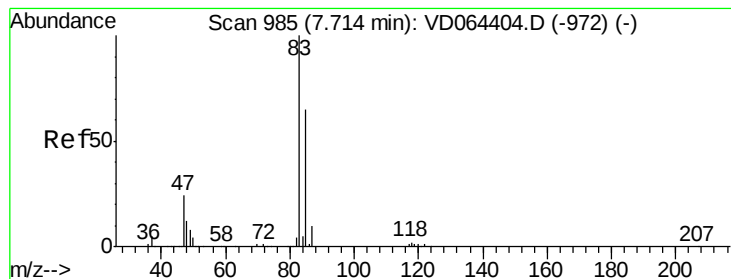
#25
2-Butanone
Concen: 1.921 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064551.D
Acq: 17 Dec 2019 18:02

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



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





#30

Chloroform

Concen: 1.600 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

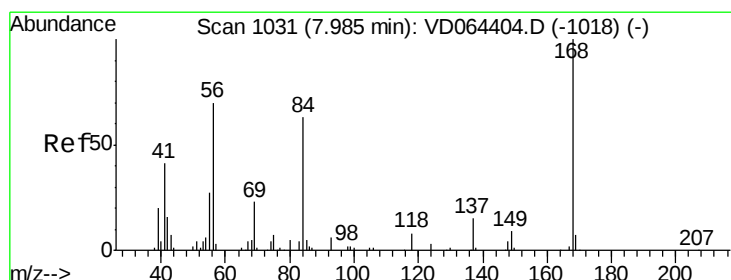
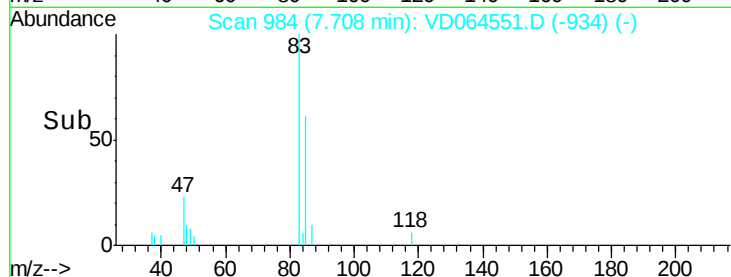
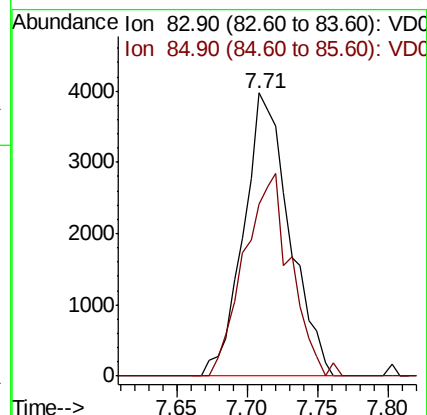
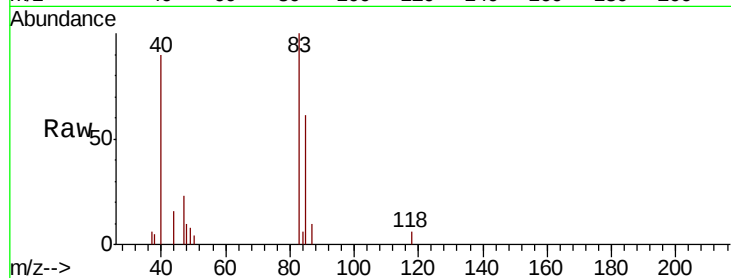
PF-C

Tgt Ion: 83 Resp: 9058

Ion Ratio Lower Upper

83 100

85 60.9 51.8 77.6



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

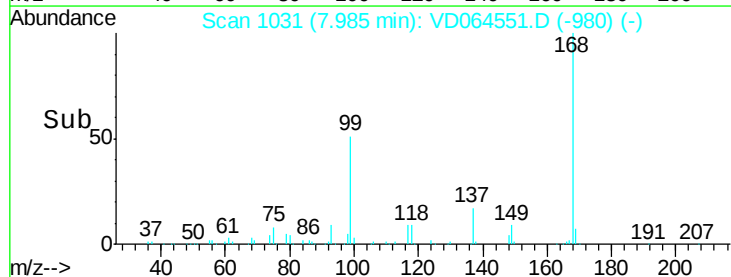
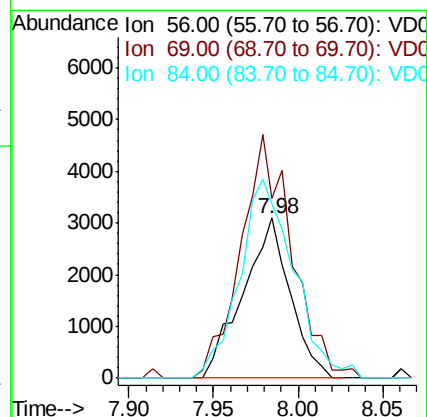
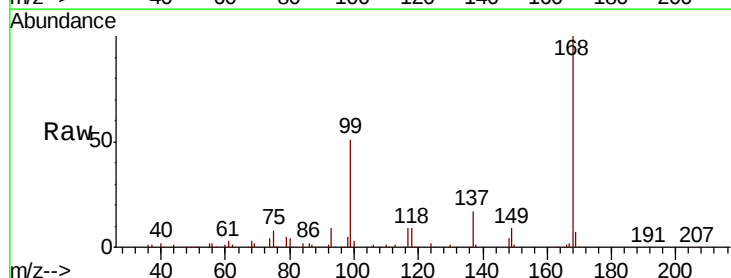
Tgt Ion: 56 Resp: 6004

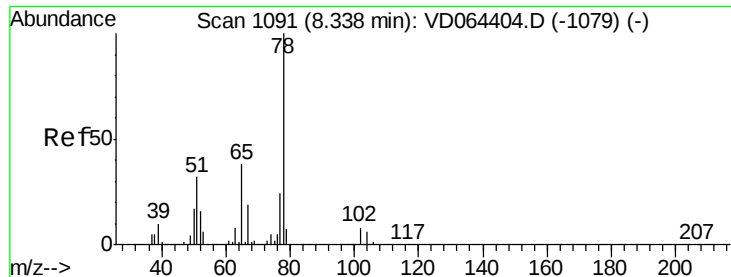
Ion Ratio Lower Upper

56 100

69 112.0 26.2 39.4#

84 108.8 70.3 105.5#

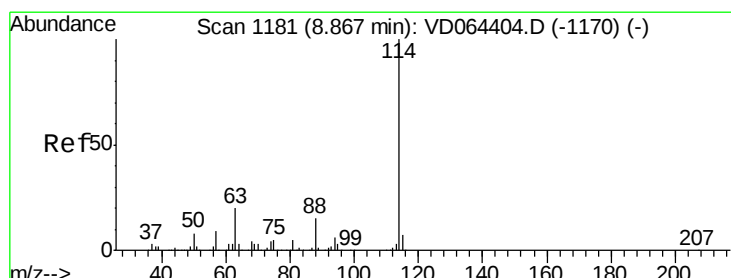
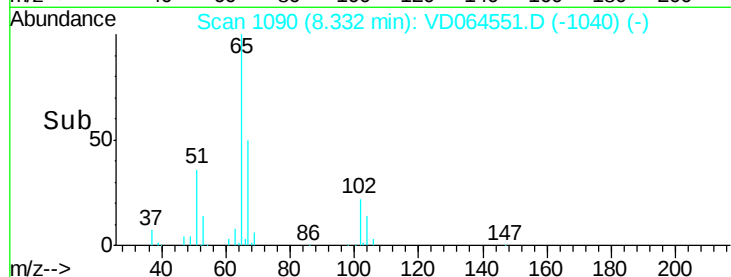
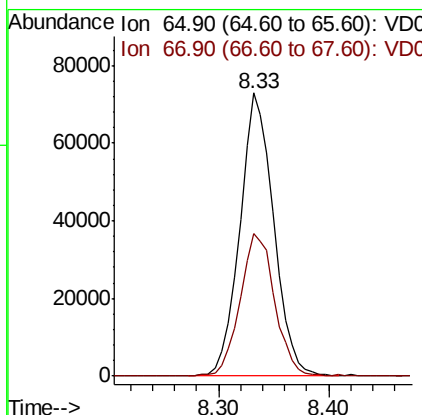
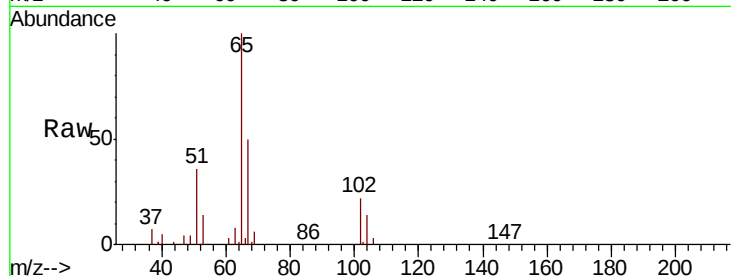




#33
 1,2-Dichloroethane-d4
 Concen: 52.986 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064551.D
 Acq: 17 Dec 2019 18:02

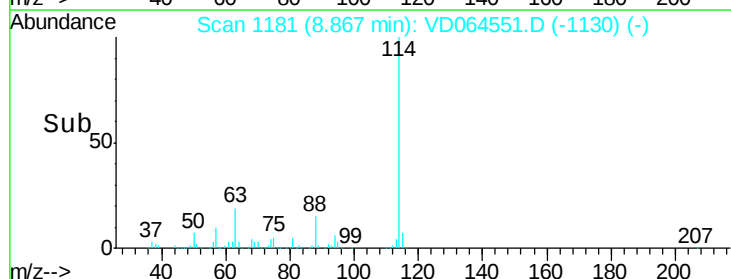
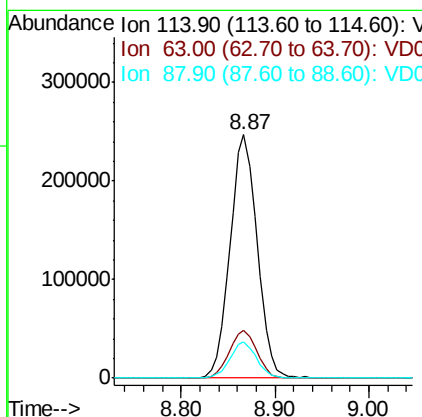
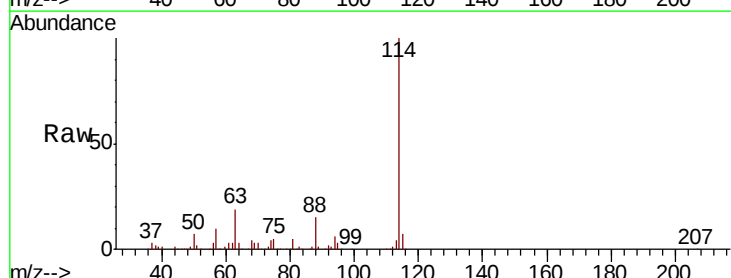
Instrument :
 MSVOA_D
 ClientSampleId :
 PF-C

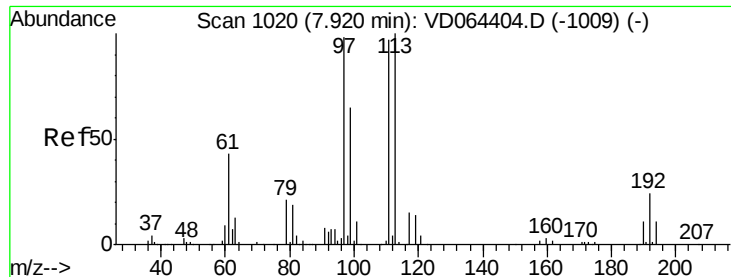
Tgt Ion: 65 Resp: 156945
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064551.D
 Acq: 17 Dec 2019 18:02

Tgt Ion: 114 Resp: 496266
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 14.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.340 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

PF-C

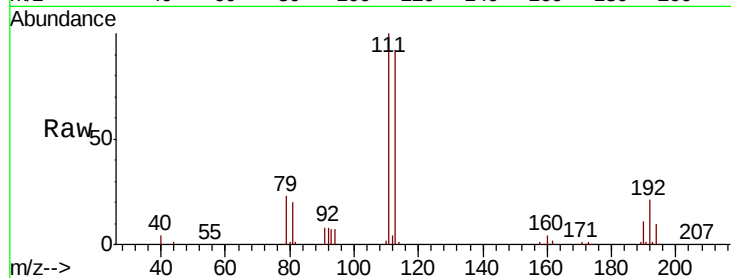
Tgt Ion:113 Resp: 157398

Ion Ratio Lower Upper

113 100

111 104.7 79.4 119.2

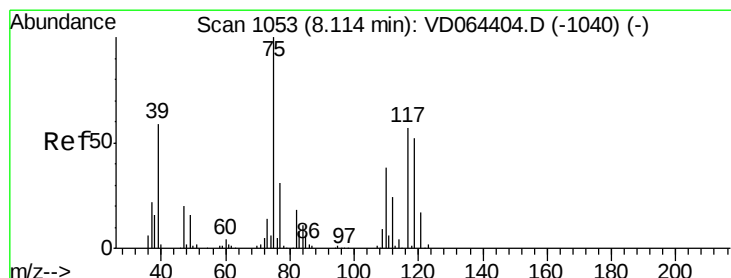
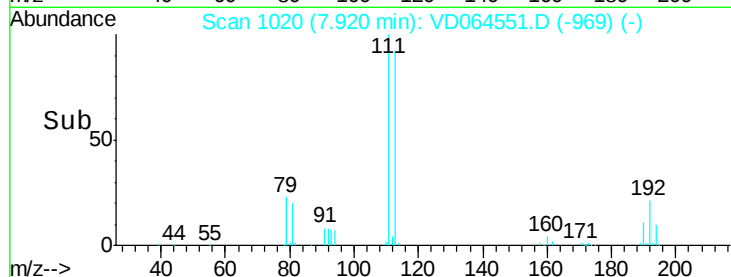
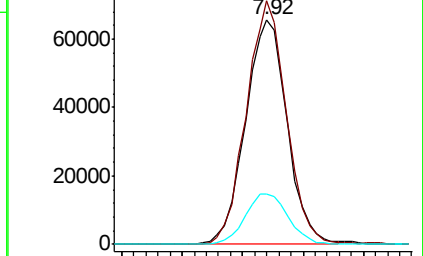
192 23.3 18.6 28.0



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: 4.713 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

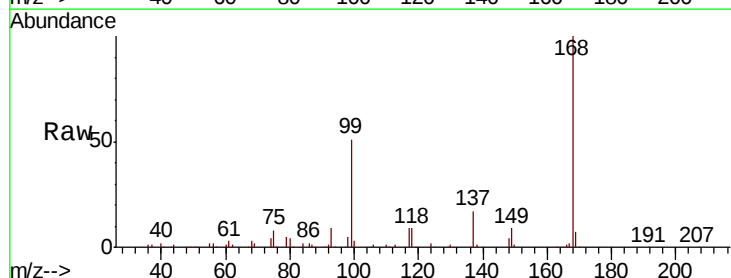
Tgt Ion: 75 Resp: 22124

Ion Ratio Lower Upper

75 100

110 10.5 18.6 55.8#

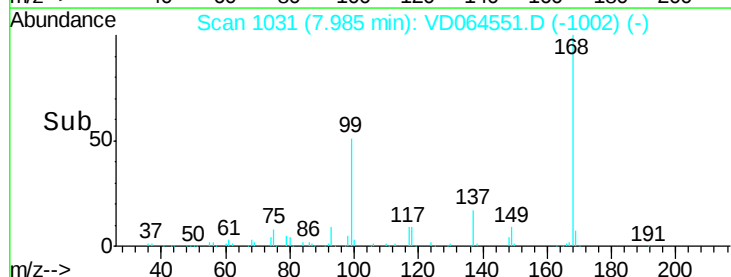
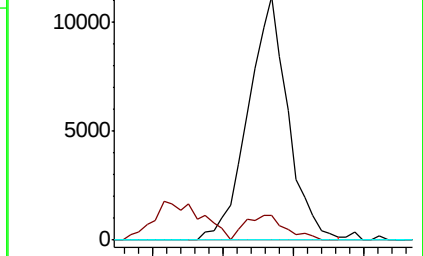
77 0.0 25.0 37.4#

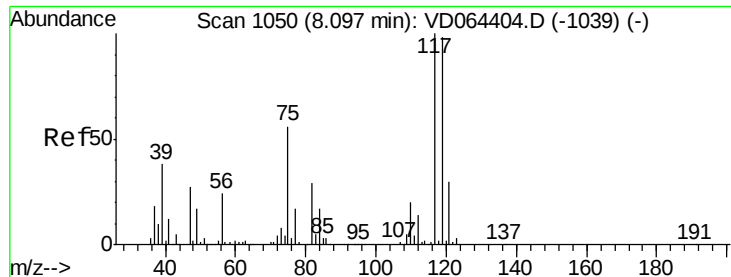


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

PF-C

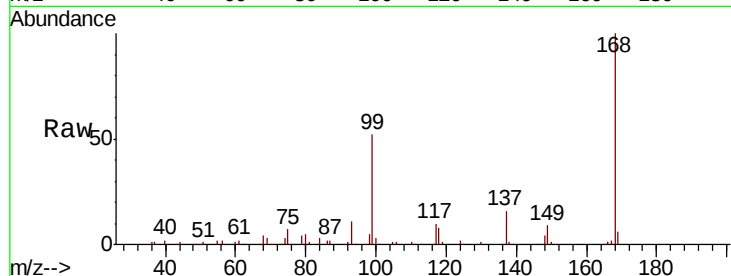
Tgt Ion:117 Resp: 29841

Ion Ratio Lower Upper

117 100

119 6.7 78.8 118.2#

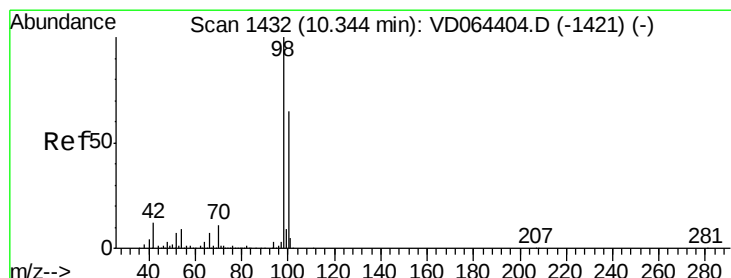
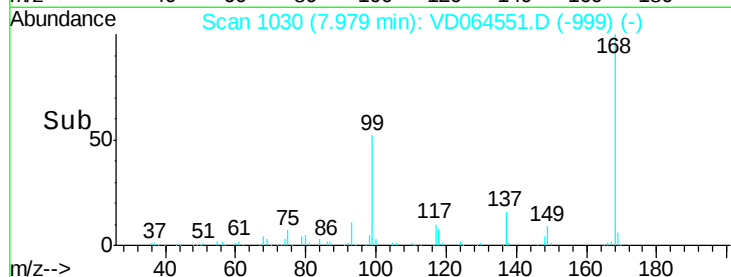
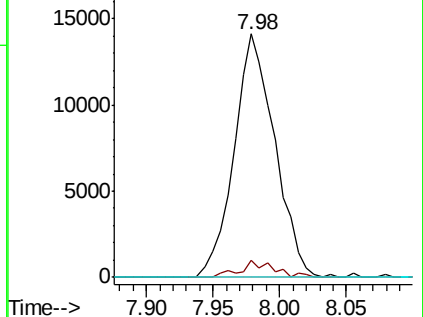
121 0.0 24.2 36.2#



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: 51.575 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064551.D

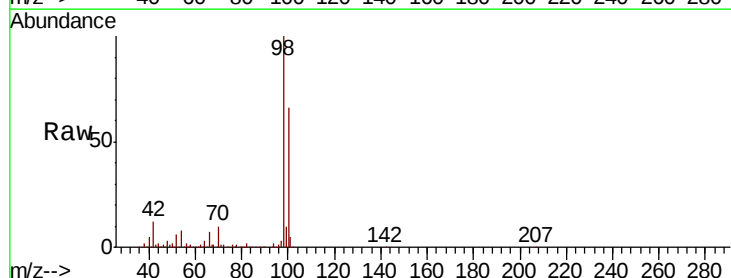
Acq: 17 Dec 2019 18:02

Tgt Ion: 98 Resp: 607453

Ion Ratio Lower Upper

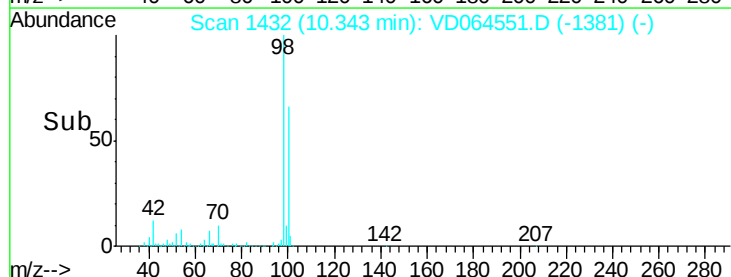
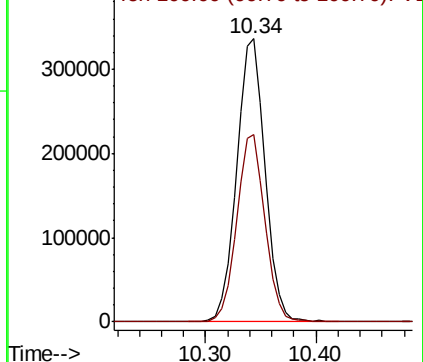
98 100

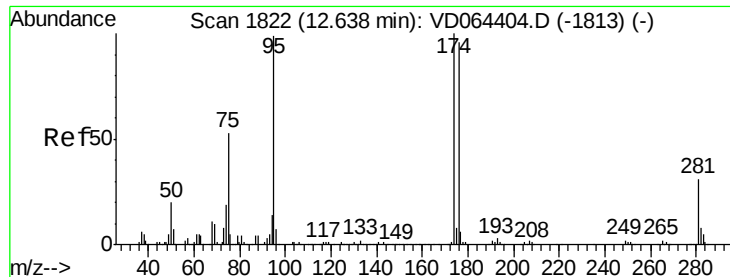
100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VD

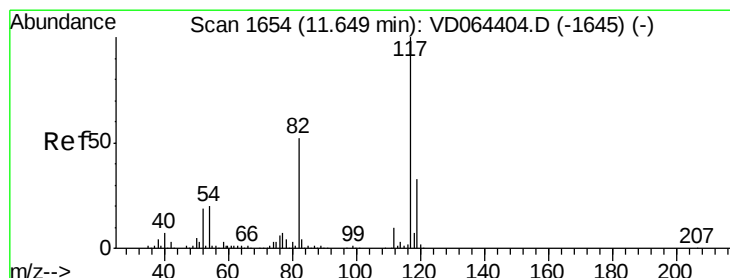
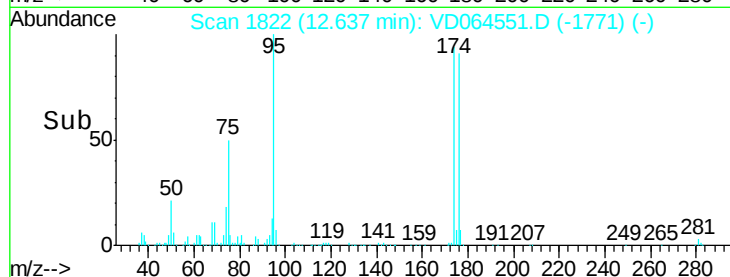
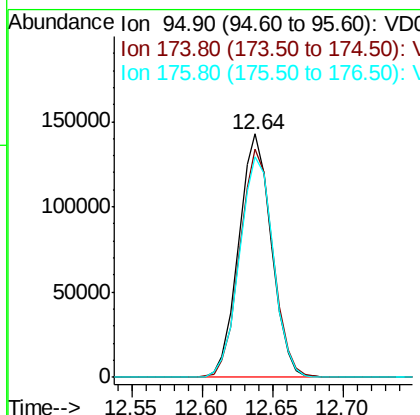
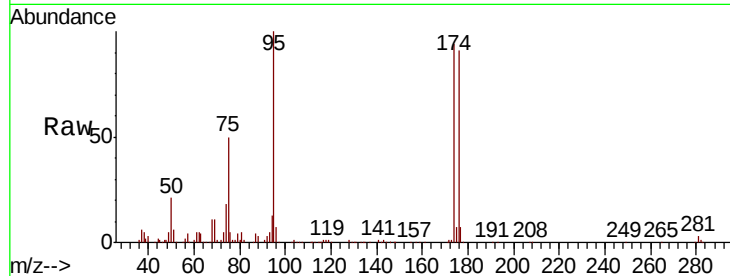




#62
4-Bromofluorobenzene
Concen: 61.059 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064551.D
Acq: 17 Dec 2019 18:02

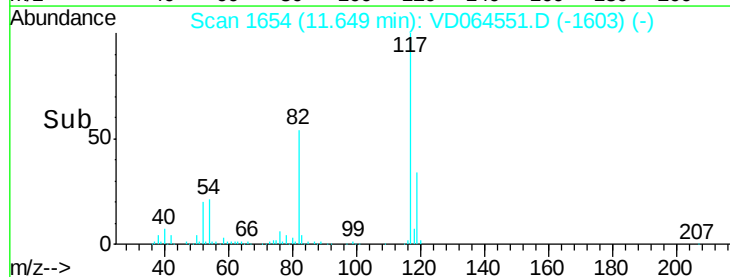
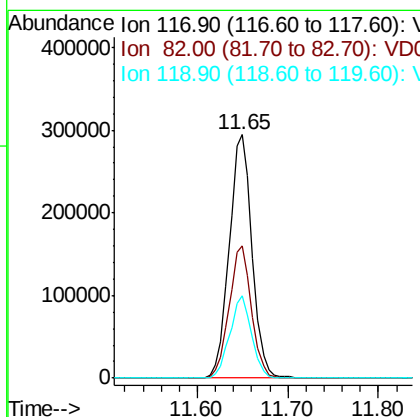
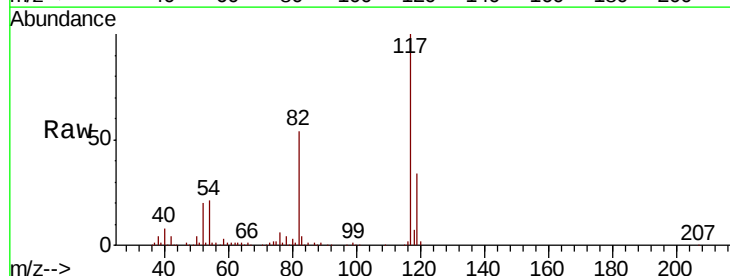
Instrument :
MSVOA_D
ClientSampleId :
PF-C

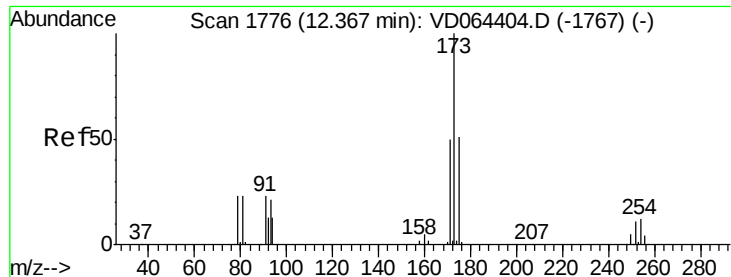
Tgt Ion: 95 Resp: 231115
Ion Ratio Lower Upper
95 100
174 95.2 0.0 197.2
176 93.3 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064551.D
Acq: 17 Dec 2019 18:02

Tgt Ion: 117 Resp: 513771
Ion Ratio Lower Upper
117 100
82 54.5 41.4 62.2
119 33.7 26.2 39.2





#71

Bromoform

Concen: 1.080 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

PF-C

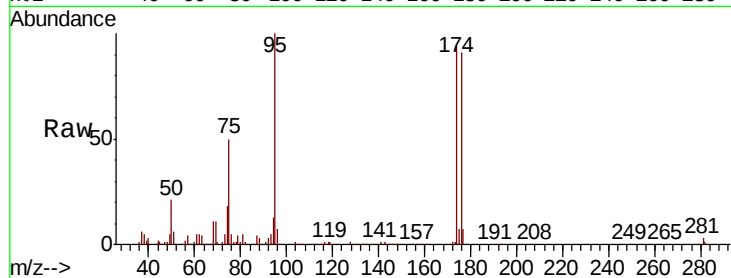
Tgt Ion:173 Resp: 2563

Ion Ratio Lower Upper

173 100

175 511.2 25.3 75.8#

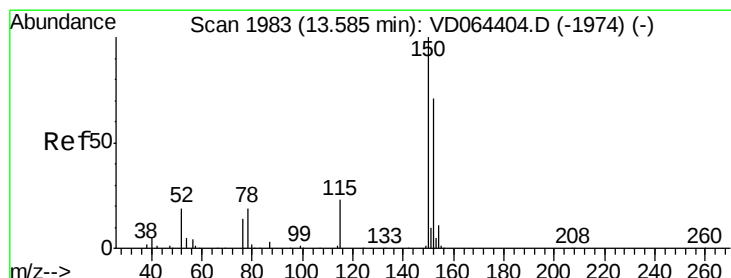
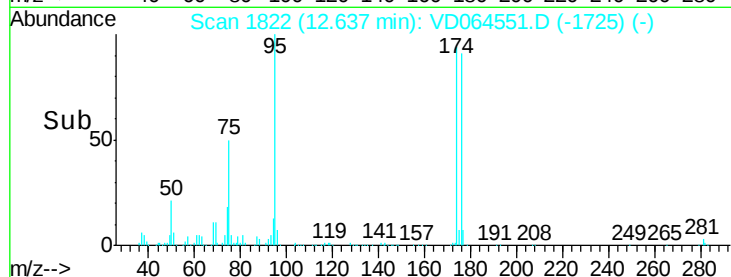
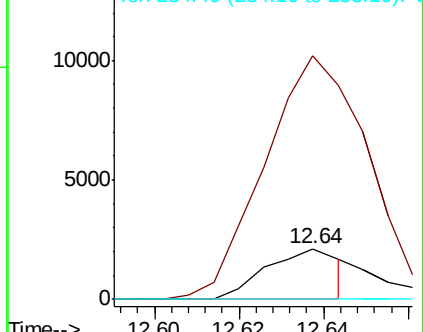
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

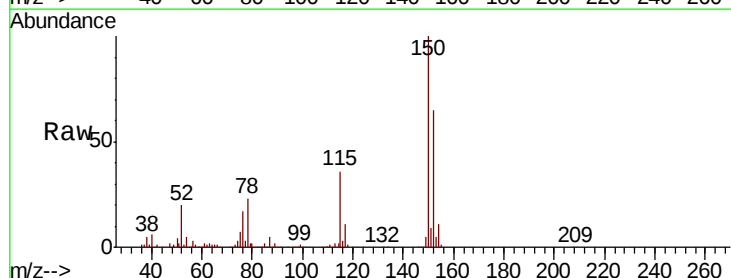
Tgt Ion:152 Resp: 273116

Ion Ratio Lower Upper

152 100

115 53.2 26.7 80.1

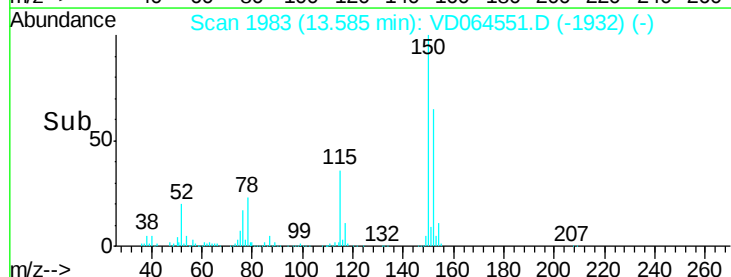
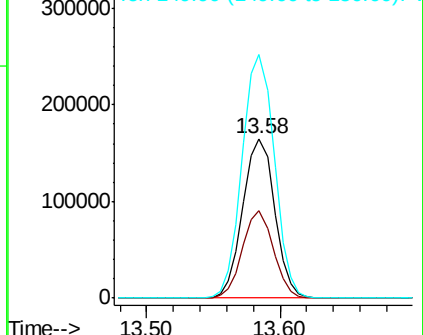
150 154.3 0.0 347.2

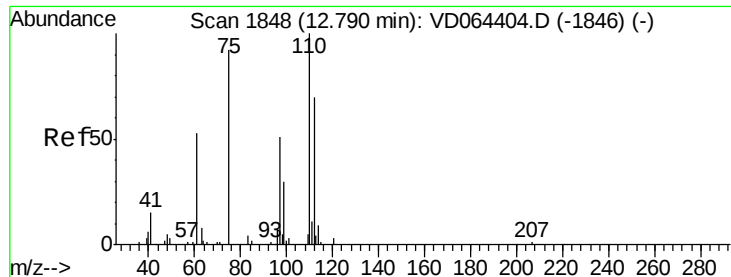


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.500 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

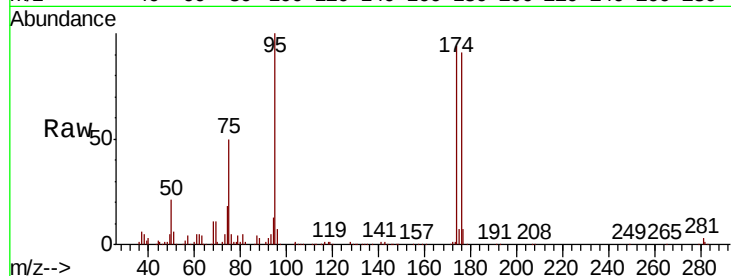
PF-C

Tgt Ion: 75 Resp: 117915

Ion Ratio Lower Upper

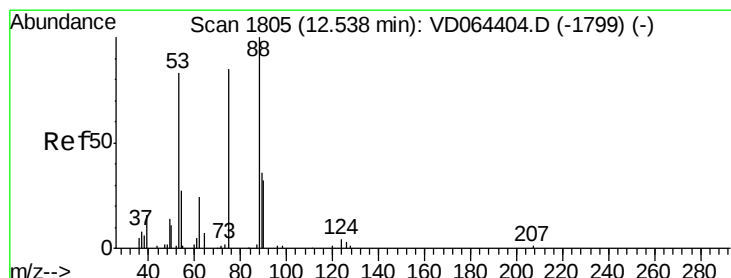
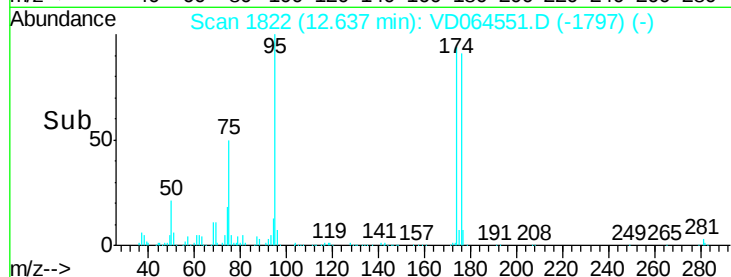
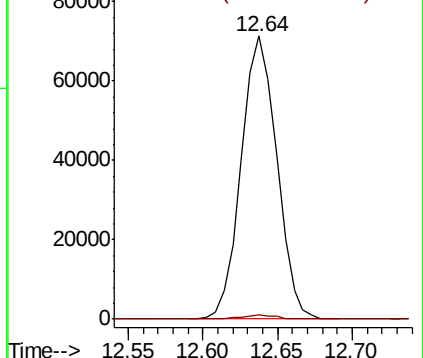
75 100

77 1.4 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: 114.477 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

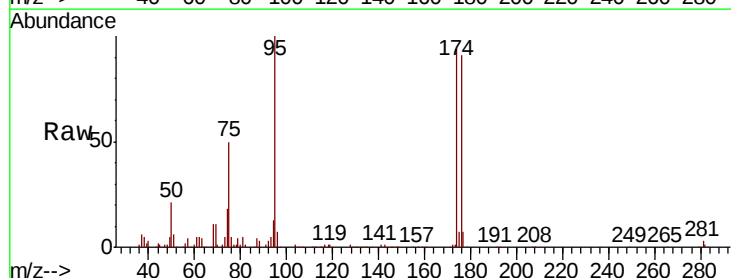
Tgt Ion: 75 Resp: 117915

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

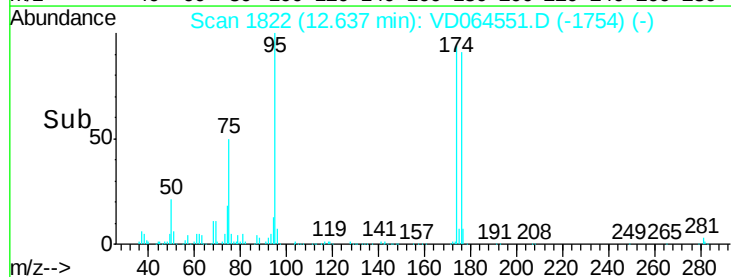
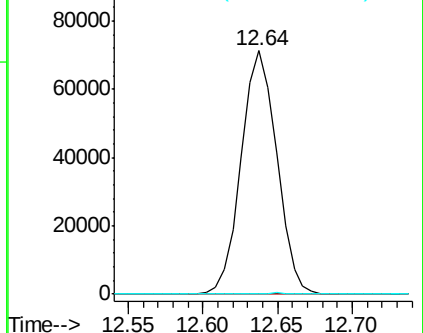
89 0.1 38.5 57.7#

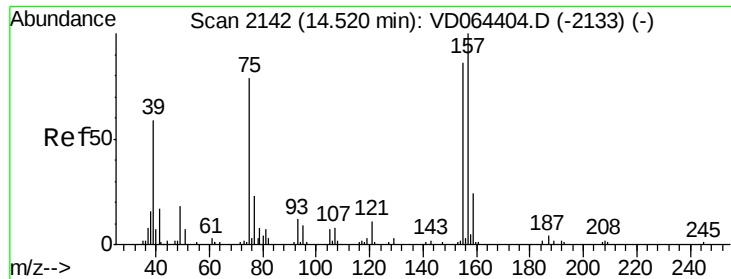


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.50 min Scan# 2139

Delta R.T. -0.02 min

Lab File: VD064551.D

Acq: 17 Dec 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

PF-C

Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#

