

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064698.D
 Acq On : 31 Dec 2019 16:44
 Operator : VA/SY
 Sample : K6463-02
 Misc : 7.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-6-(4-6)

Quant Time: Jan 01 00:46:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	101668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	163946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	157139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	76430	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	72080	80.40	ug/l	0.00
Spiked Amount			Recovery	=	160.80%	
35) Dibromofluoromethane	7.91	113	57839	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
50) Toluene-d8	10.34	98	194175	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	65010	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

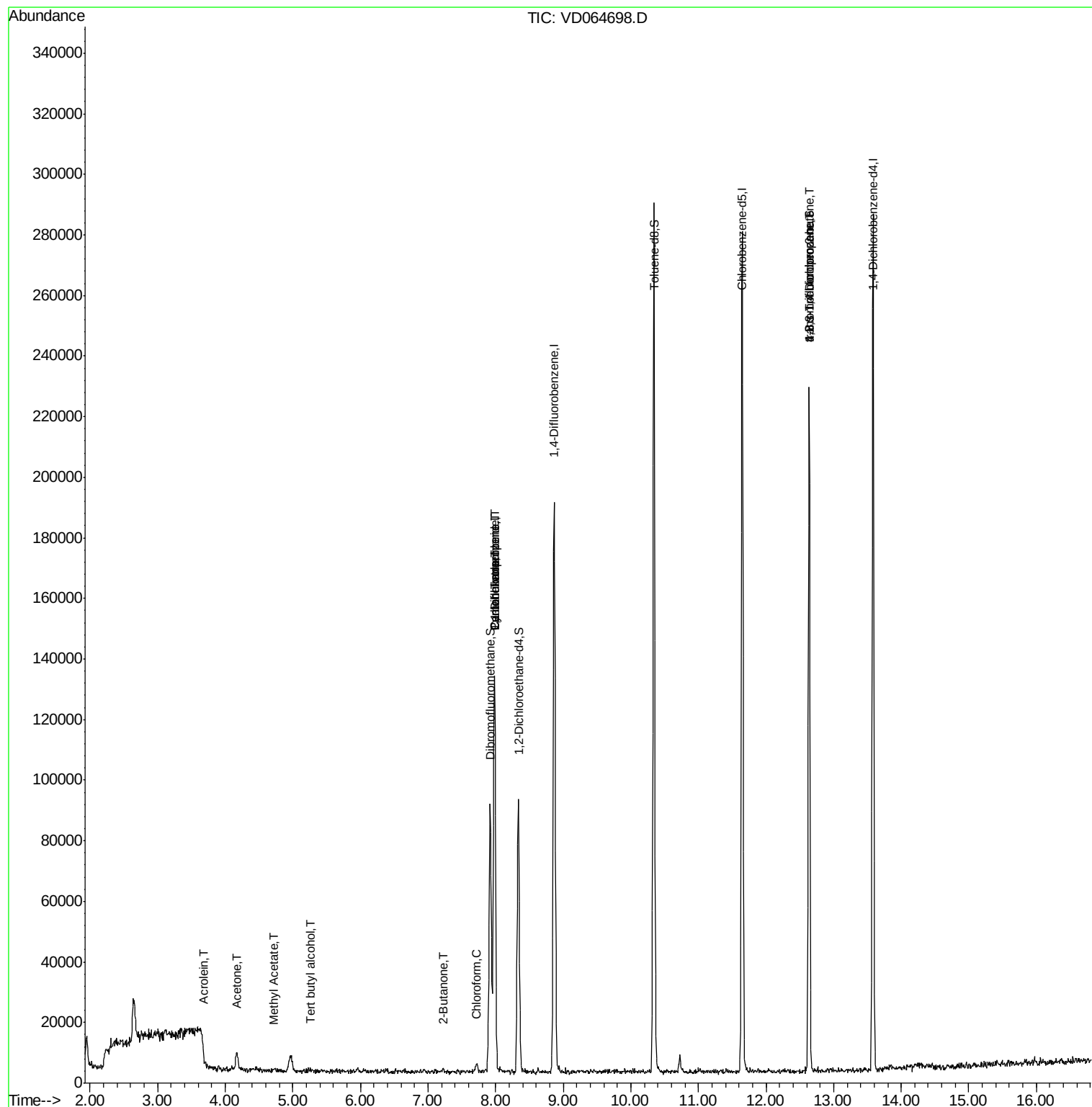
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	279	5.430	ug/l #	70
13) Acrolein	3.68	56	118	1.648	ug/l #	1
16) Acetone	4.16	43	9598	49.709	ug/l	98
18) Methyl Acetate	4.72	43	666	1.320	ug/l #	51
20) Methylene Chloride	4.97	84	4382	Below Cal	#	64
25) 2-Butanone	7.23	43	268	1.088	ug/l #	49
30) Chloroform	7.72	83	2839	1.620	ug/l #	70
31) Cyclohexane	7.98	56	2320	1.388	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	7005	4.439	ug/l #	53
38) Carbon Tetrachloride	7.98	117	9966	5.923	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	33628	55.718	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	33628	116.533	ug/l #	10

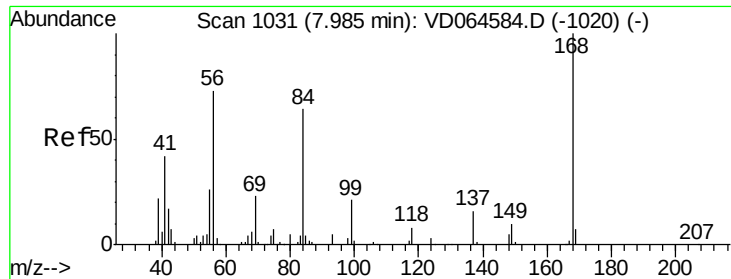
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064698.D

Acq: 31 Dec 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

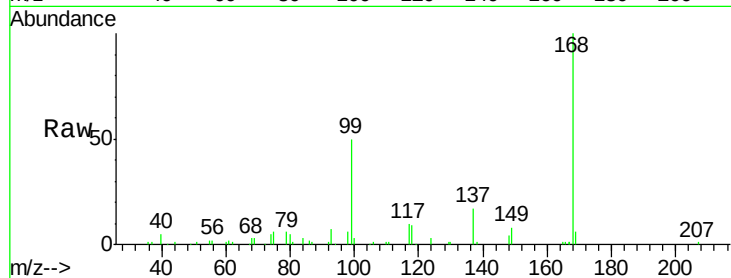
GP-6-(4-6)

Tgt Ion:168 Resp: 101668

Ion Ratio Lower Upper

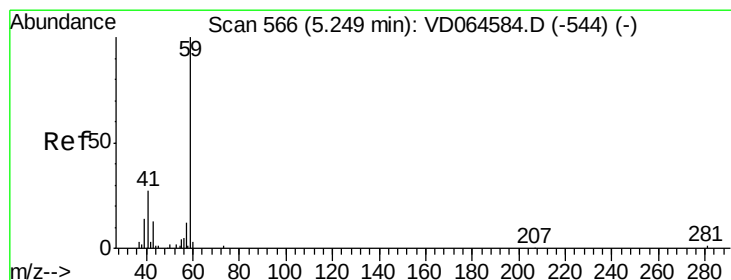
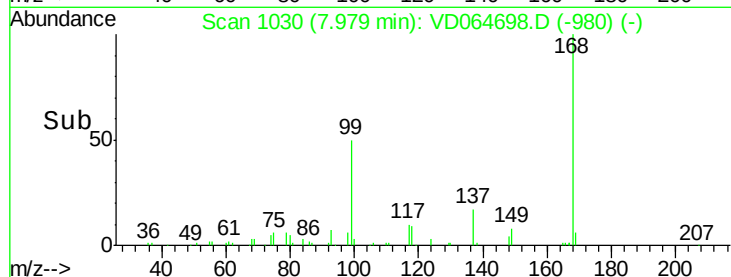
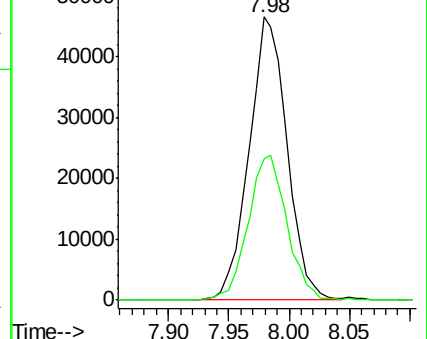
168 100

99 50.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 5.430 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064698.D

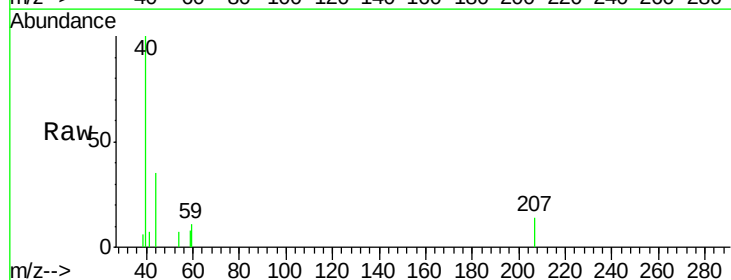
Acq: 31 Dec 2019 16:44

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

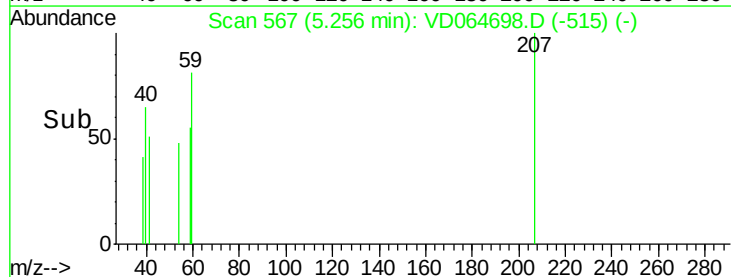
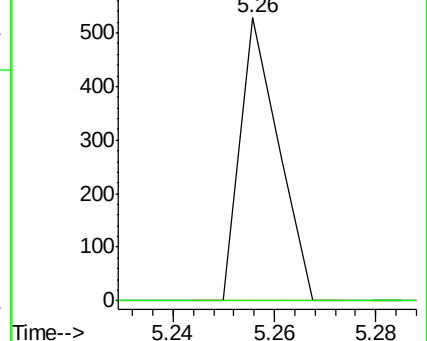
59 100

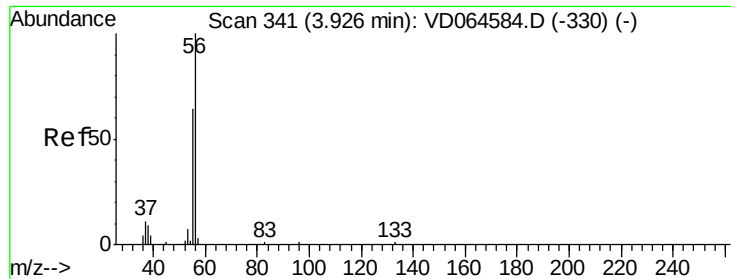
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 1.648 ug/l

RT: 3.68 min Scan# 299

Delta R.T. -0.25 min

Lab File: VD064698.D

Acq: 31 Dec 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

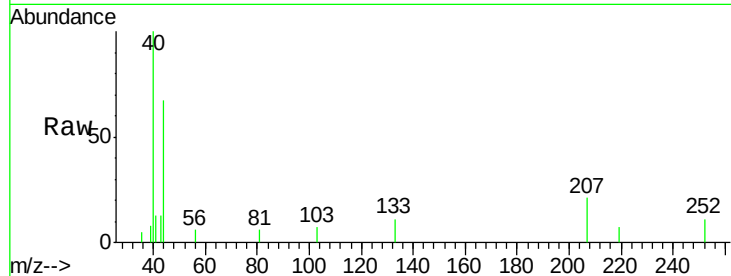
GP-6-(4-6)

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

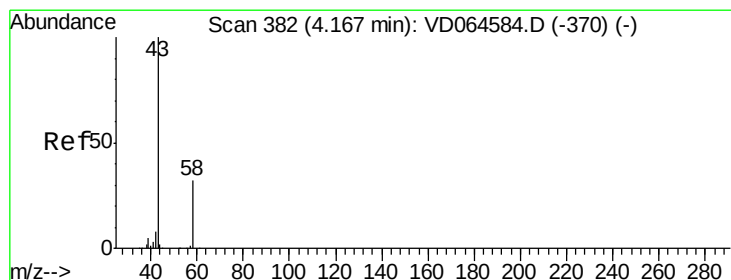
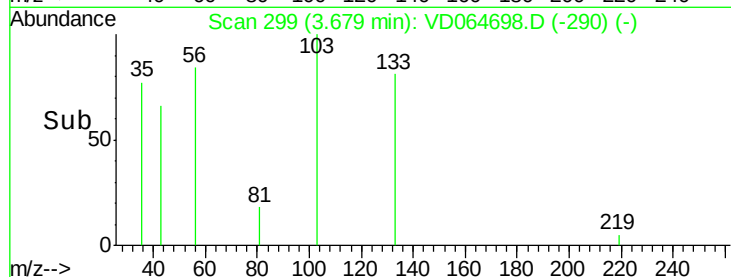
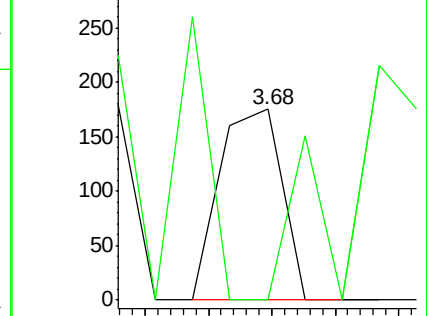
56 100

55 161.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 49.709 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064698.D

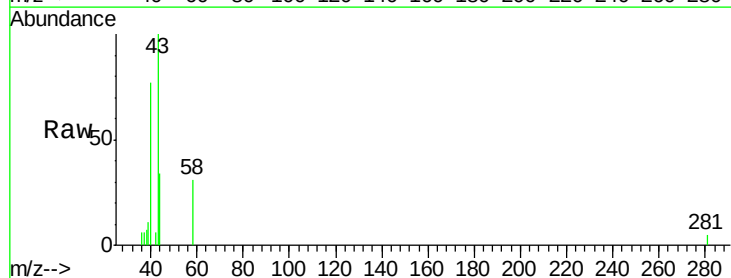
Acq: 31 Dec 2019 16:44

Tgt Ion: 43 Resp: 9598

Ion Ratio Lower Upper

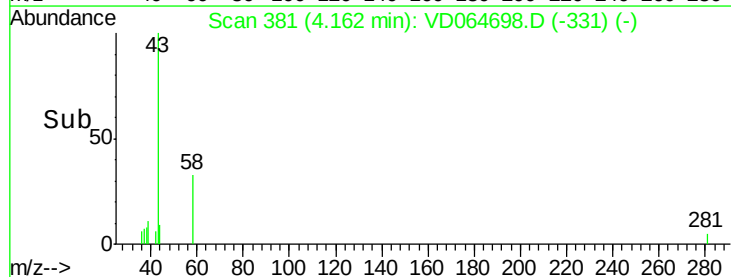
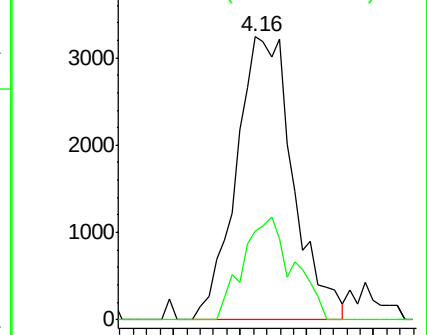
43 100

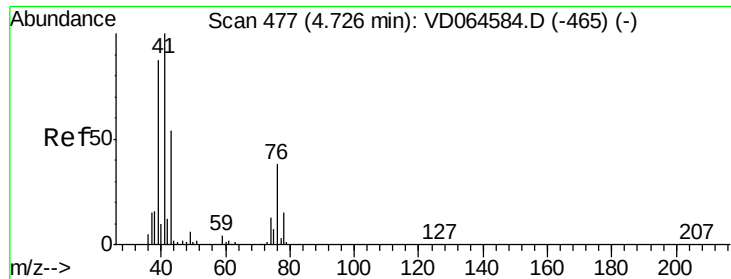
58 31.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

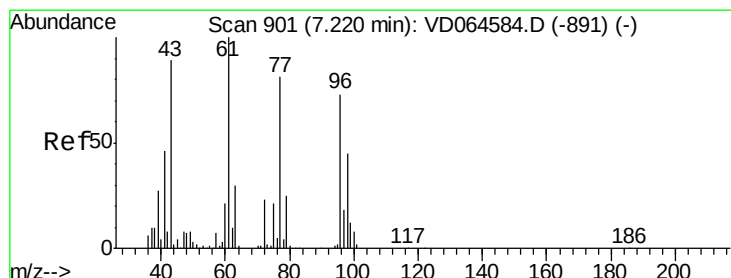
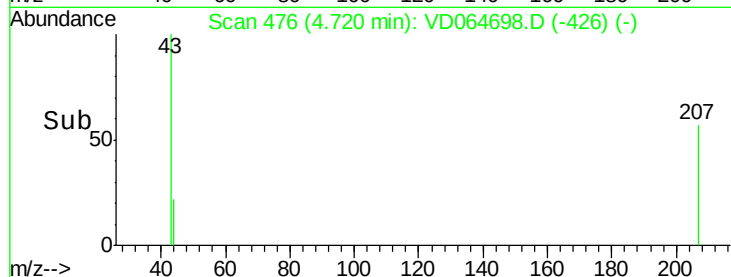
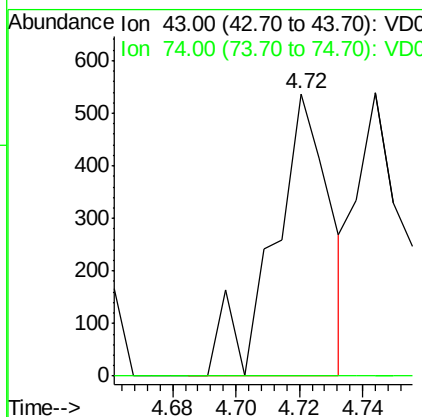
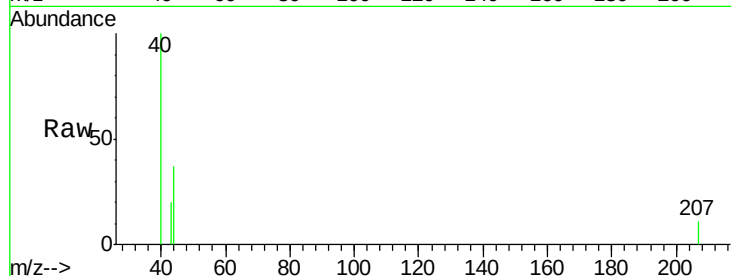




#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

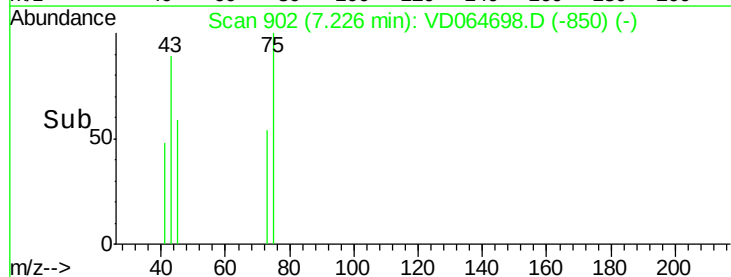
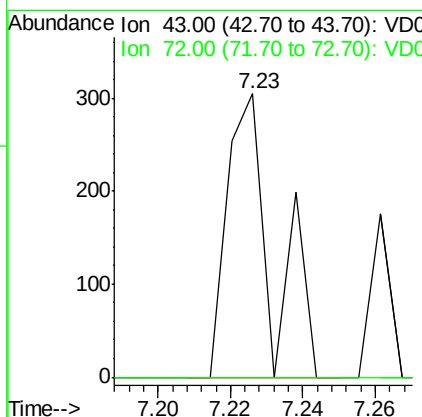
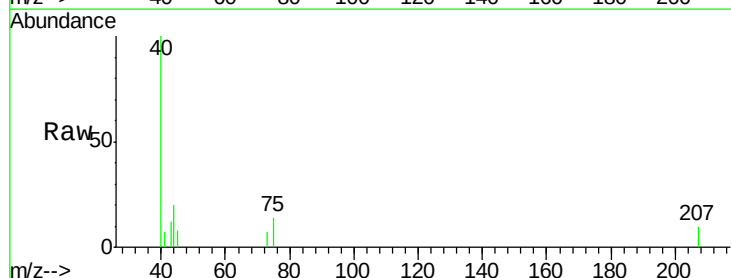
Instrument :
MSVOA_D
ClientSampleId :
GP-6-(4-6)

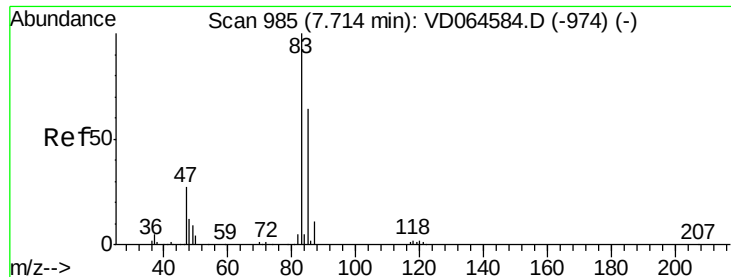
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 1.088 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#

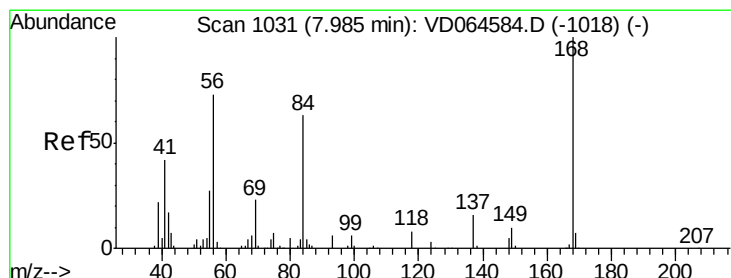
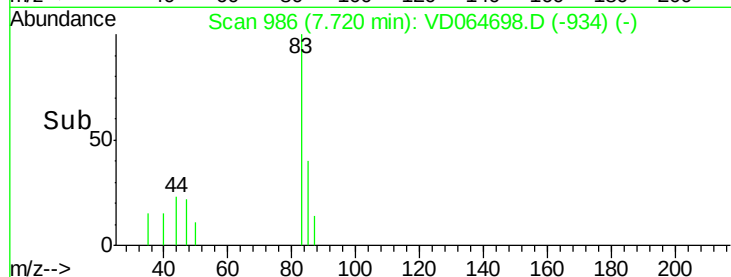
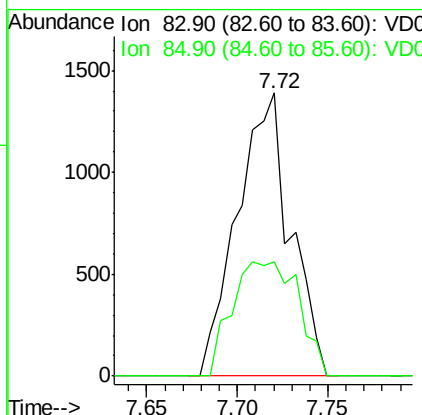
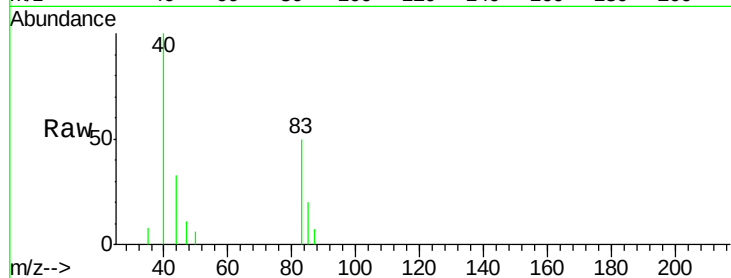




#30
Chloroform
Concen: 1.620 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

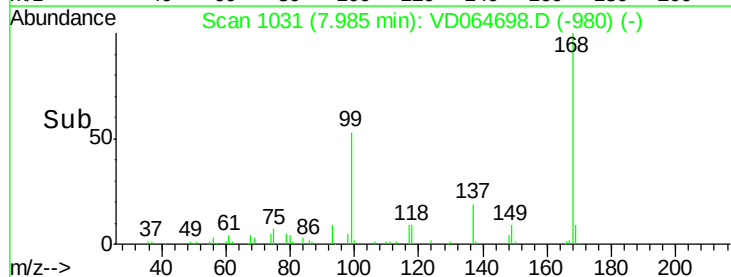
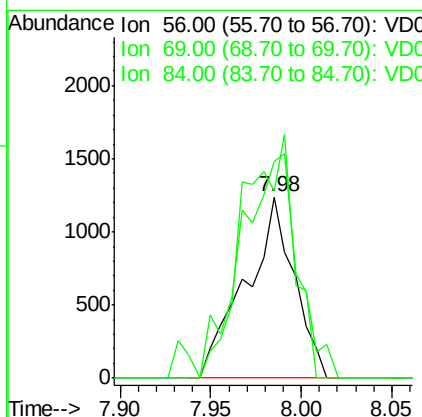
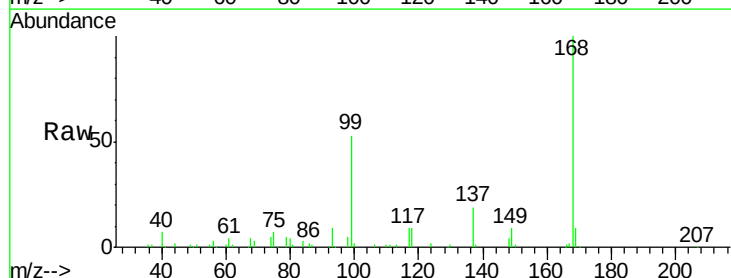
Instrument :
MSVOA_D
ClientSampleId :
GP-6-(4-6)

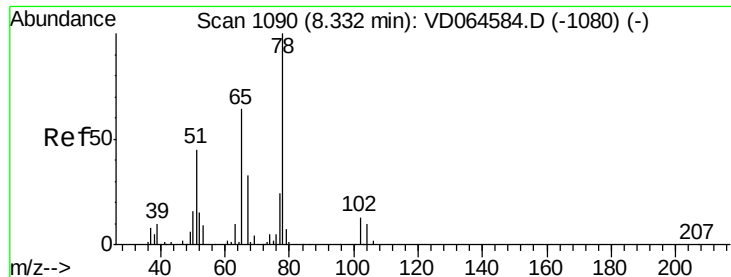
Tgt Ion: 83 Resp: 2839
Ion Ratio Lower Upper
83 100
85 40.3 51.1 76.7#



#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Tgt Ion: 56 Resp: 2320
Ion Ratio Lower Upper
56 100
69 103.6 24.7 37.1#
84 119.2 69.4 104.2#

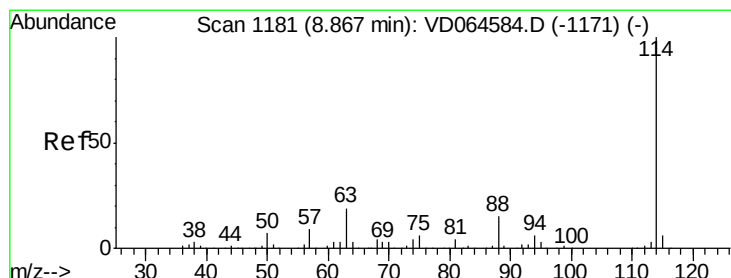
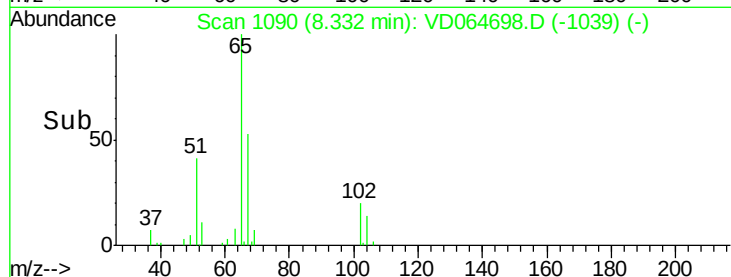
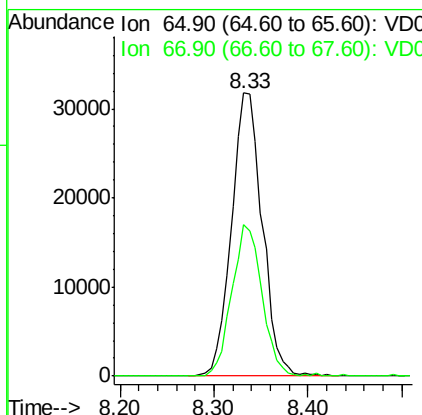
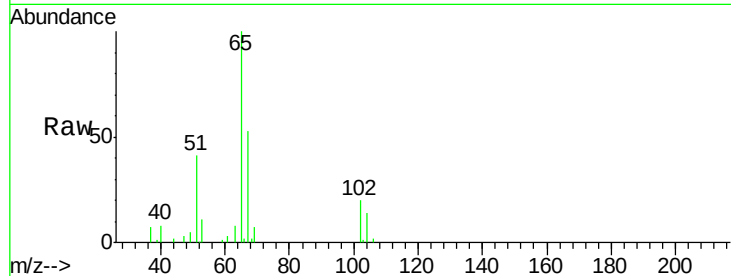




#33
 1,2-Dichloroethane-d4
 Concen: 80.402 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064698.D
 Acq: 31 Dec 2019 16:44

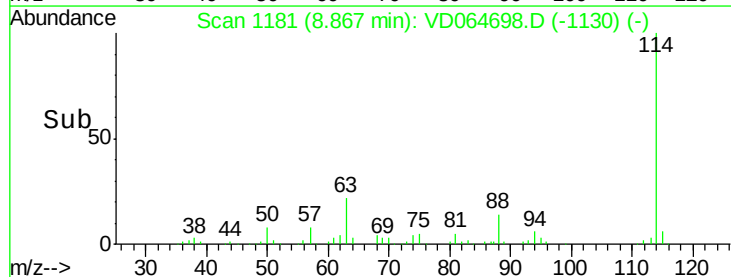
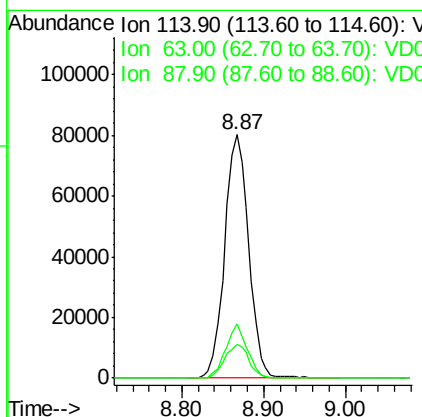
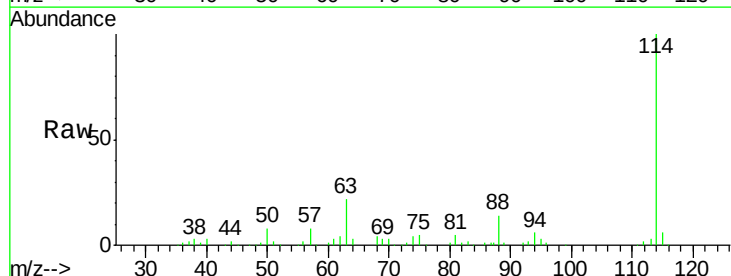
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-6-(4-6)

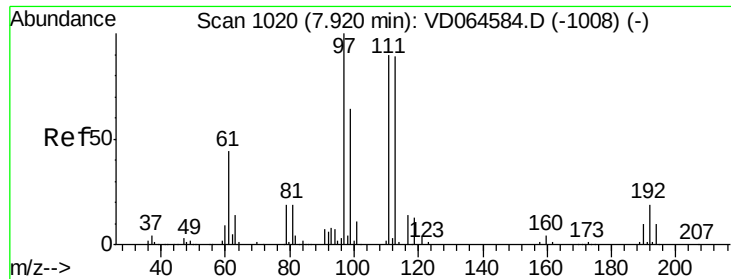
Tgt Ion: 65 Resp: 72080
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064698.D
 Acq: 31 Dec 2019 16:44

Tgt Ion: 114 Resp: 163946
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 38.0
 88 13.9 0.0 29.2

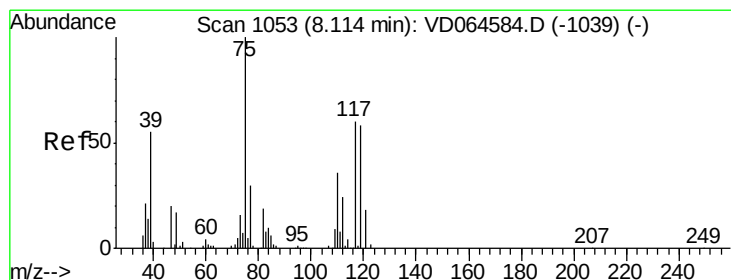
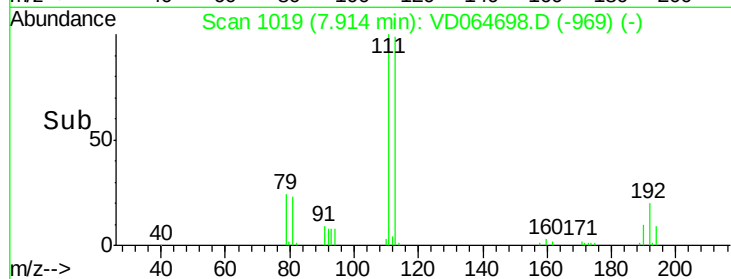
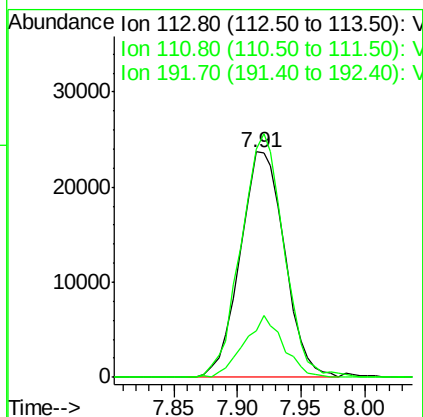
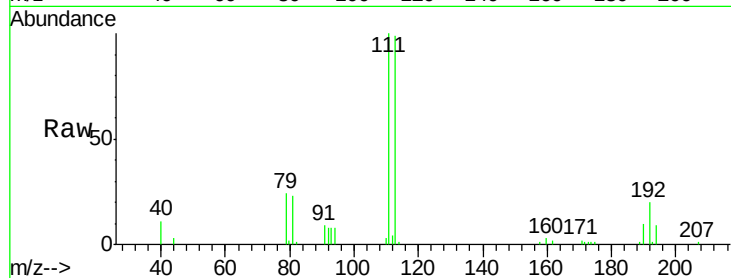




#35
Dibromofluoromethane
Concen: 57.503 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

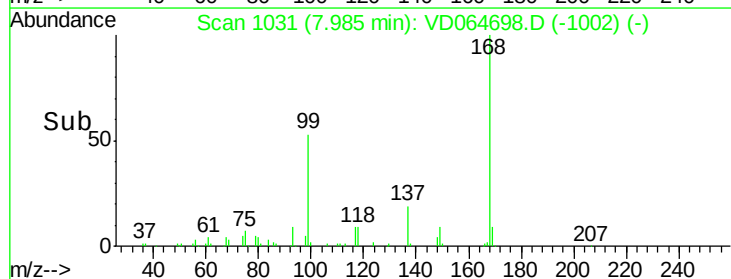
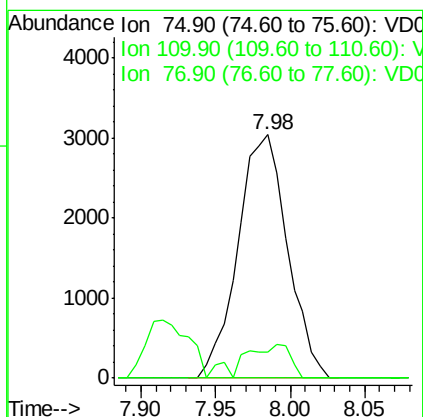
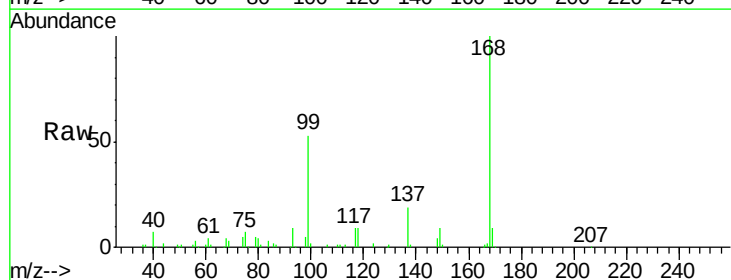
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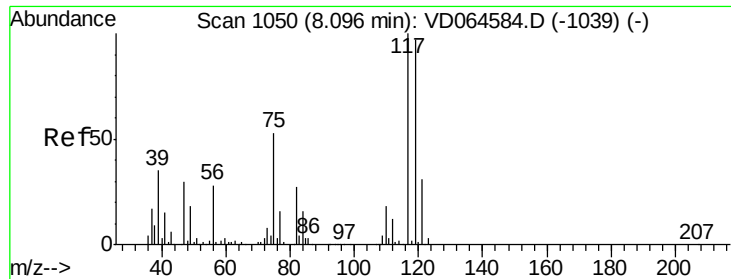
Tgt Ion:113 Resp: 57839
Ion Ratio Lower Upper
113 100
111 104.1 80.6 121.0
192 24.2 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Tgt Ion: 75 Resp: 7005
Ion Ratio Lower Upper
75 100
110 12.5 18.1 54.1#
77 0.0 24.2 36.4#

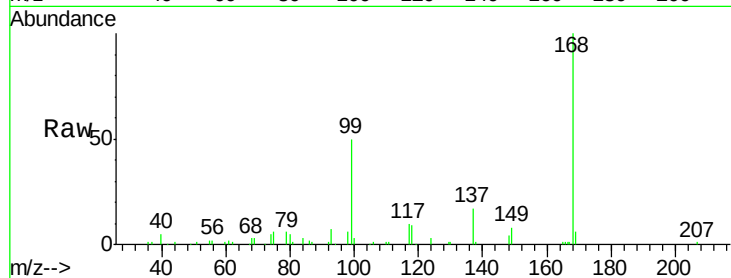




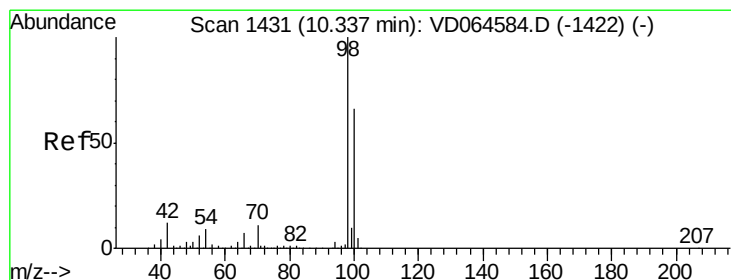
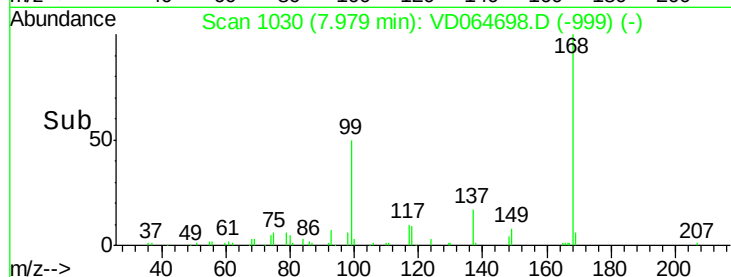
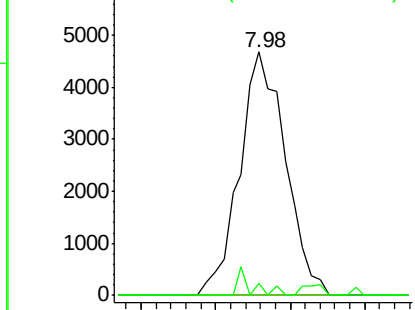
#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :
GP-6-(4-6)

Tgt Ion:117 Resp: 9966
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 25.0 37.6#

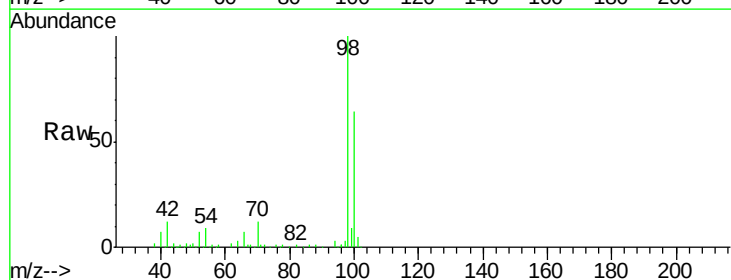


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

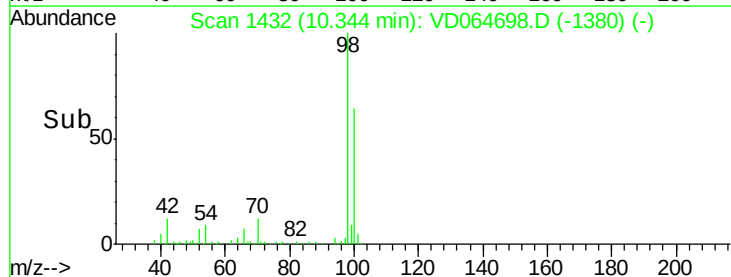
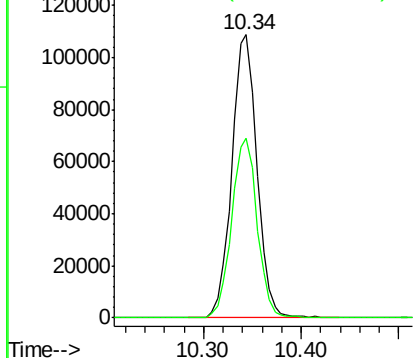


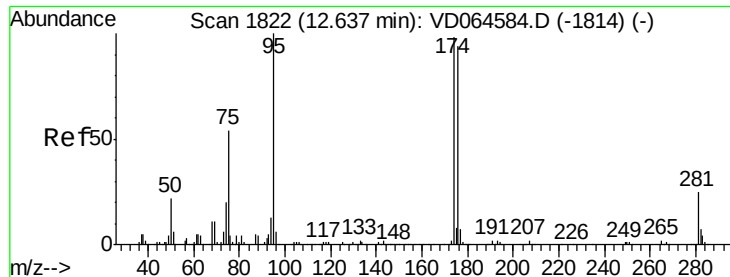
#50
Toluene-d8
Concen: 50.406 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Tgt Ion: 98 Resp: 194175
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

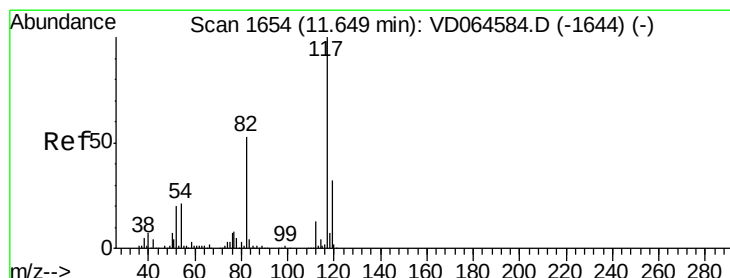
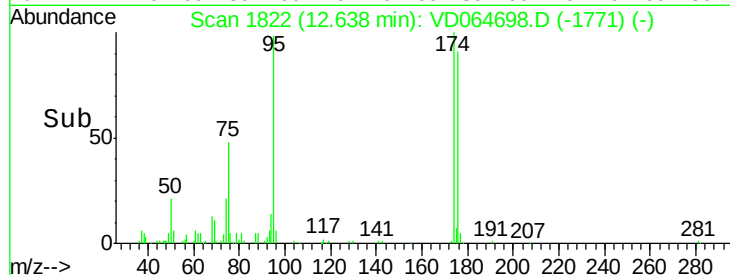
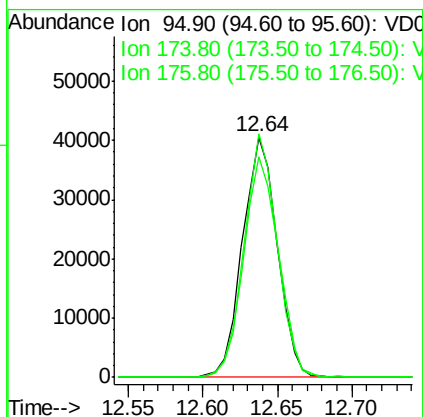
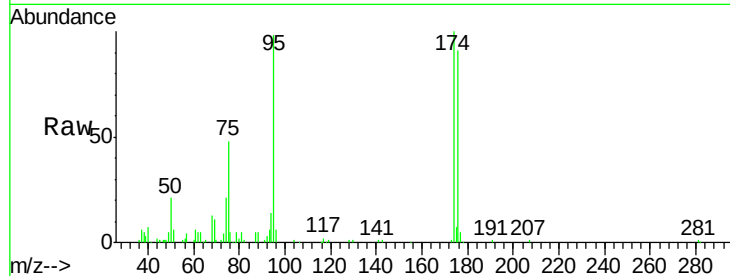




#62
4-Bromofluorobenzene
Concen: 53.369 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

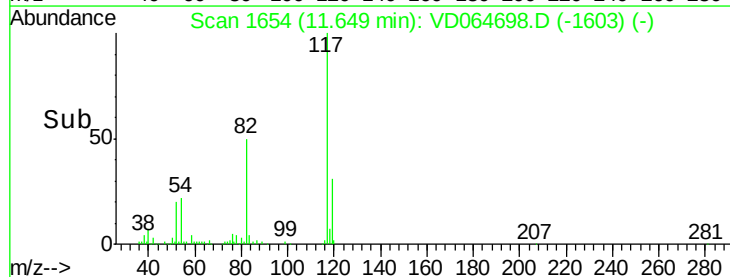
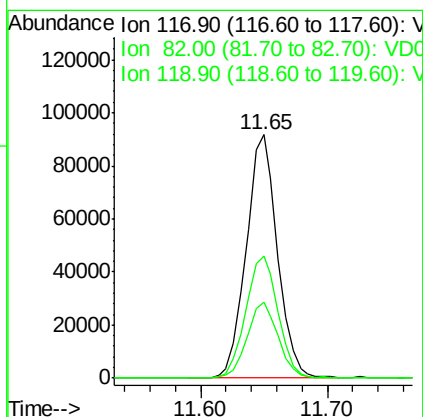
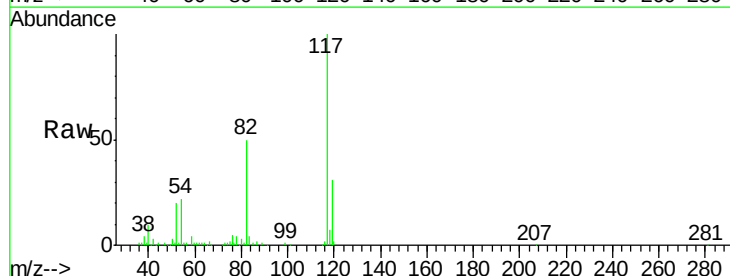
Instrument :
MSVOA_D
ClientSampleId :
GP-6-(4-6)

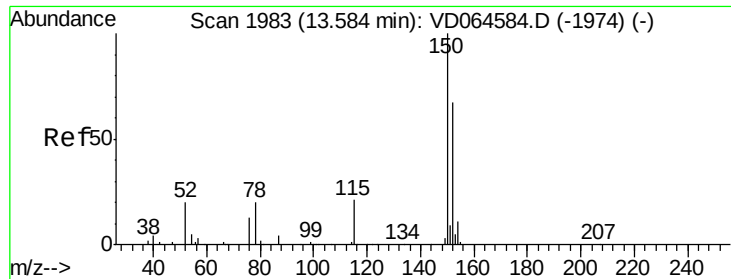
Tgt Ion: 95 Resp: 65010
Ion Ratio Lower Upper
95 100
174 96.6 0.0 193.2
176 93.0 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064698.D
Acq: 31 Dec 2019 16:44

Tgt Ion: 117 Resp: 157139
Ion Ratio Lower Upper
117 100
82 50.2 42.2 63.4
119 31.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064698.D

Acq: 31 Dec 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

GP-6-(4-6)

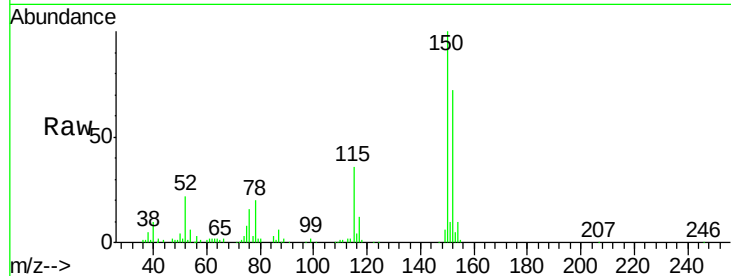
Tgt Ion: 152 Resp: 76430

Ion Ratio Lower Upper

152 100

115 53.0 27.8 83.4

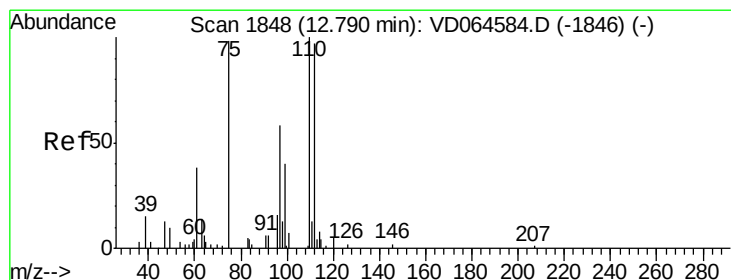
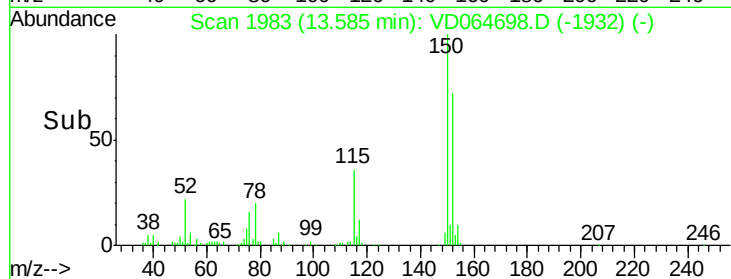
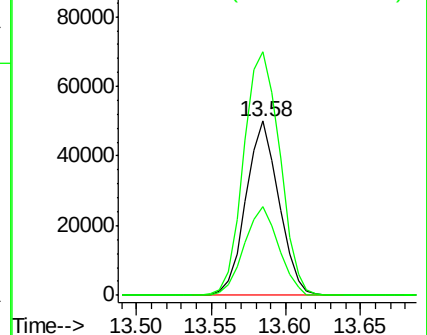
150 153.7 0.0 351.4



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: 55.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064698.D

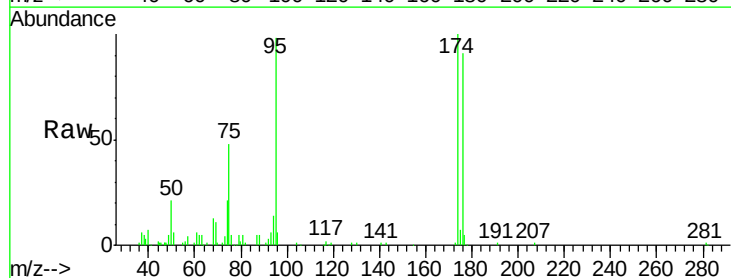
Acq: 31 Dec 2019 16:44

Tgt Ion: 75 Resp: 33628

Ion Ratio Lower Upper

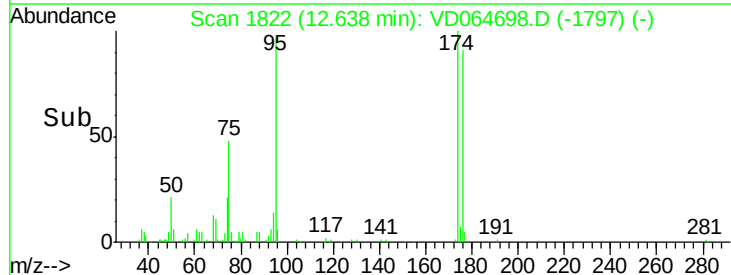
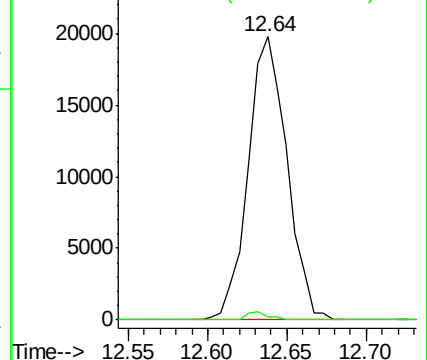
75 100

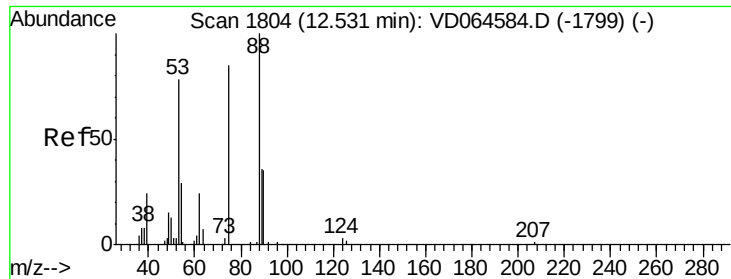
77 1.5 0.0 0.0#



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: 116.533 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064698.D

Acq: 31 Dec 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

GP-6-(4-6)

Tgt Ion: 75 Resp: 33628

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

