

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064718.D
 Acq On : 02 Jan 2020 15:32
 Operator : VA/SY
 Sample : K6465-06
 Misc : 8.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-9-(8-10)

Quant Time: Jan 03 00:24:54 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	507019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279637	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	230015	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.92	113	242985	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.34	98	921203	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.64	95	260683	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

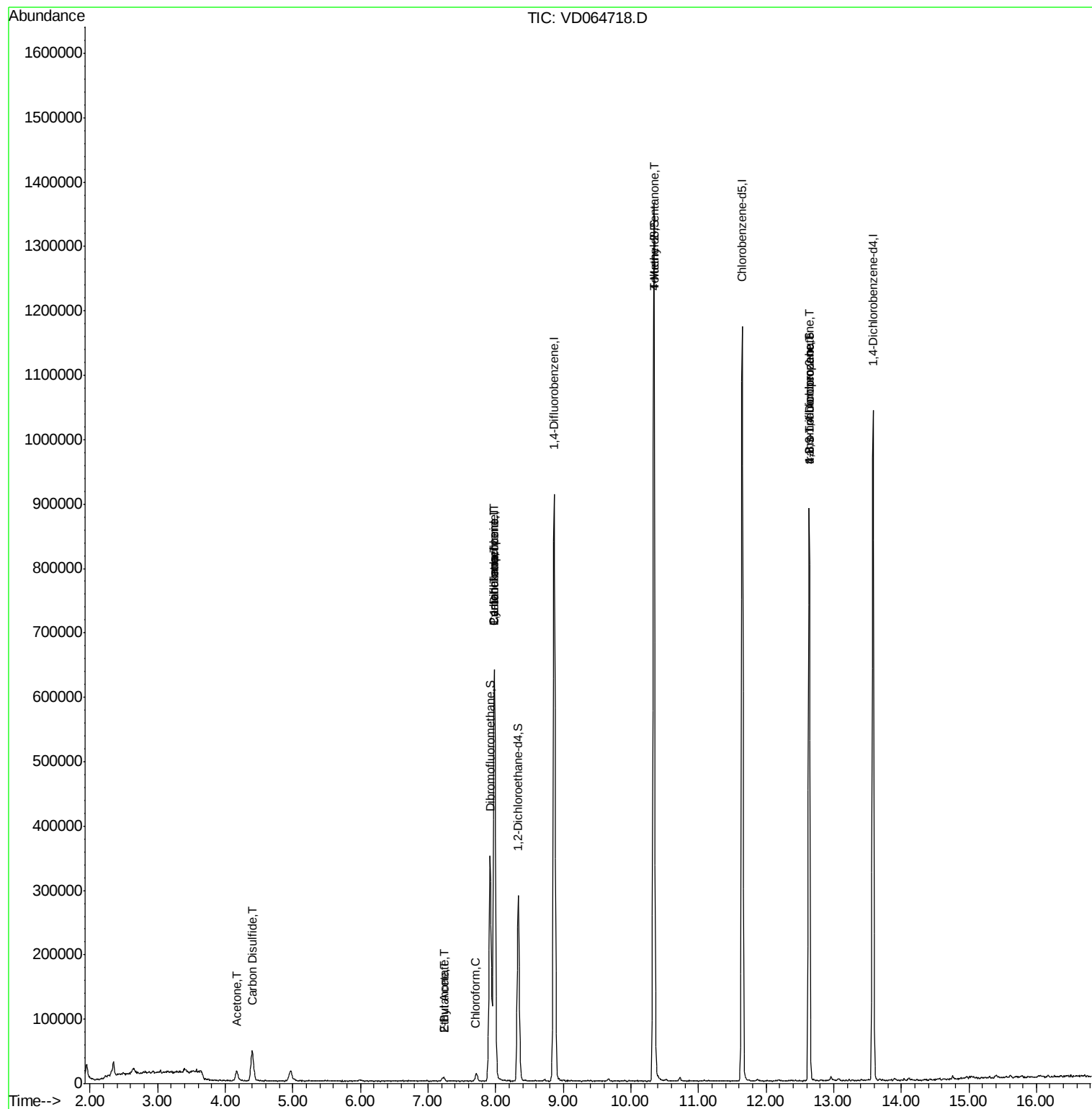
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	26640	29.297	ug/l #	81
17) Carbon Disulfide	4.40	76	98876	6.855	ug/l	99
20) Methylene Chloride	4.96	84	11299	Below Cal		86
25) 2-Butanone	7.23	43	8535	6.945	ug/l	95
30) Chloroform	7.71	83	10973	1.256	ug/l	96
31) Cyclohexane	7.98	56	10702	1.284	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	35036	4.655	ug/l #	50
37) Ethyl Acetate	7.23	43	8535	2.886	ug/l #	71
38) Carbon Tetrachloride	7.98	117	49072	6.114	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4696	1.614	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	138920	62.911	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138920	131.577	ug/l #	10

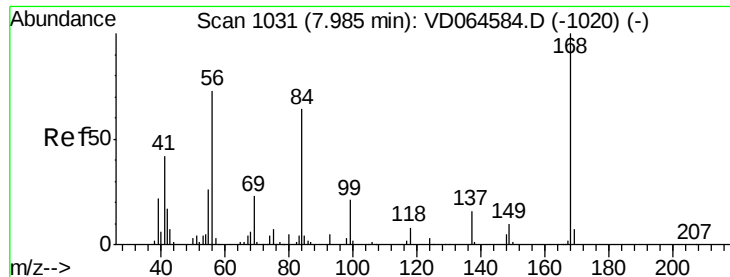
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 03 00:24:54 2020
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064718.D

Acq: 02 Jan 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

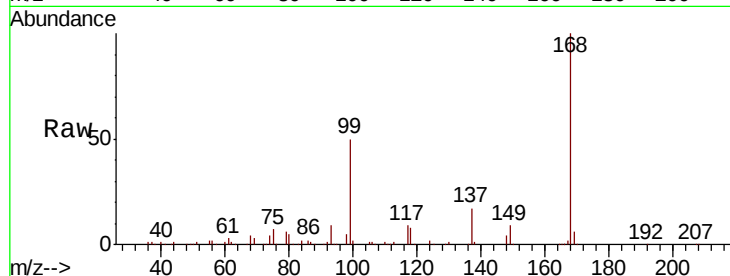
GP-9-(8-10)

Tot Ion:168 Resp: 507019

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

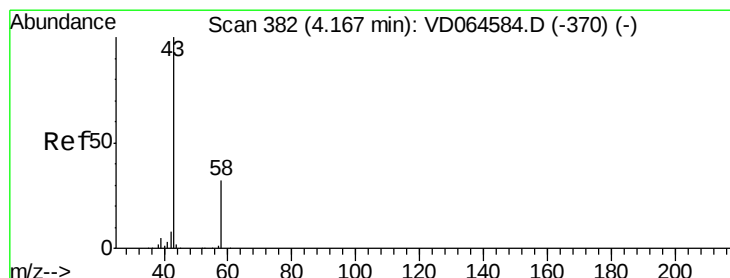
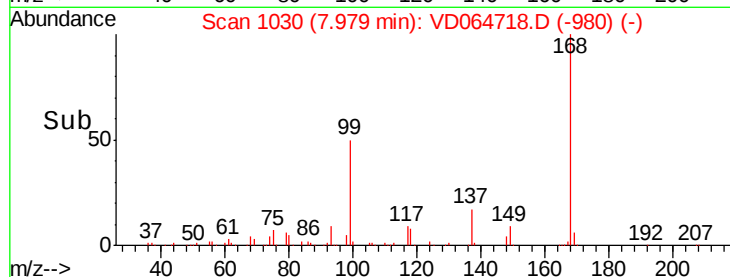
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 29.297 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064718.D

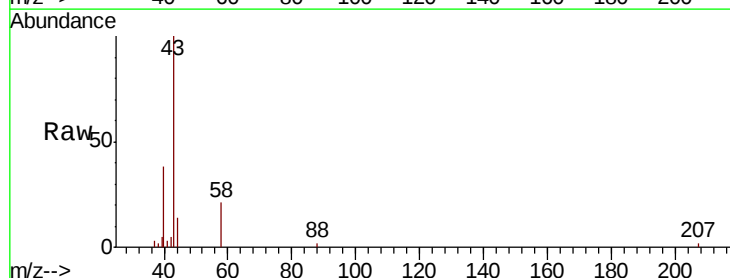
Acq: 02 Jan 2020 15:32

Tgt Ion: 43 Resp: 26640

Ion Ratio Lower Upper

43 100

58 21.4 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

10000

8000

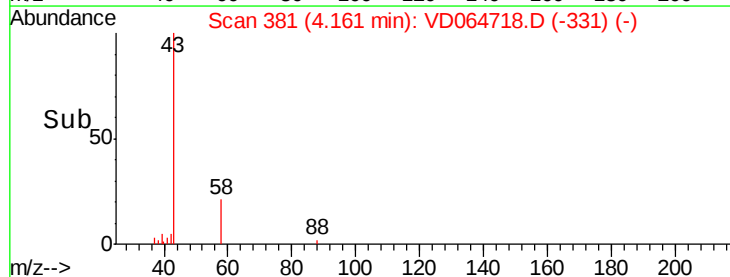
6000

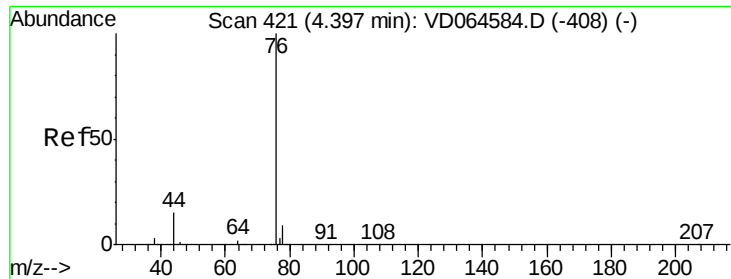
4000

2000

0

Time-->

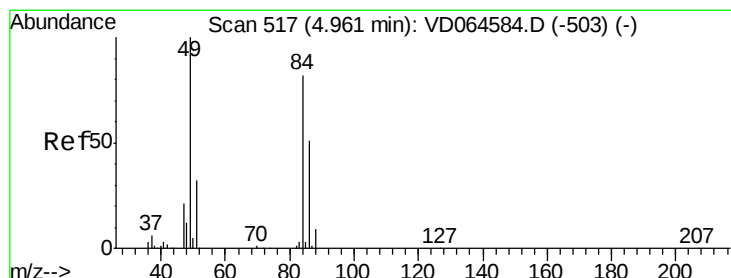
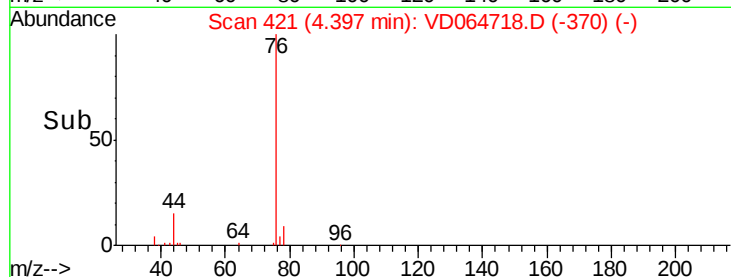
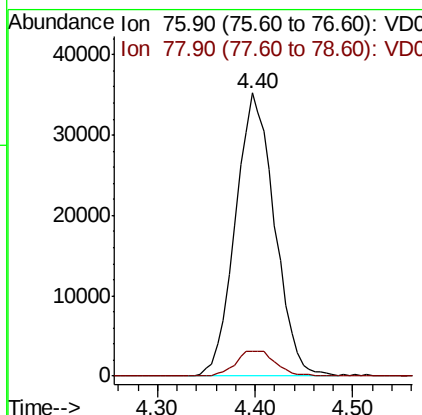
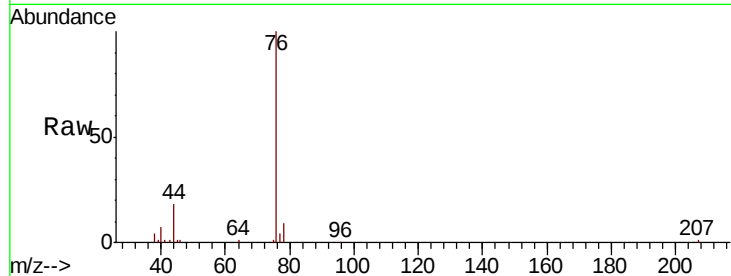




#17
Carbon Disulfide
Concen: 6.855 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

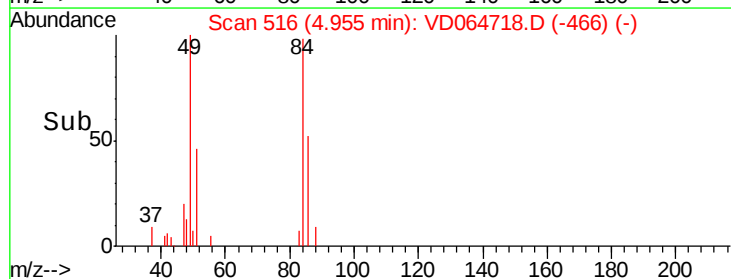
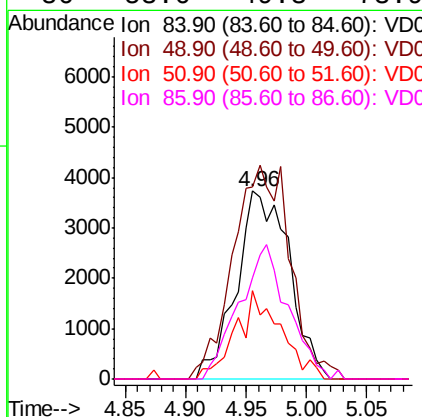
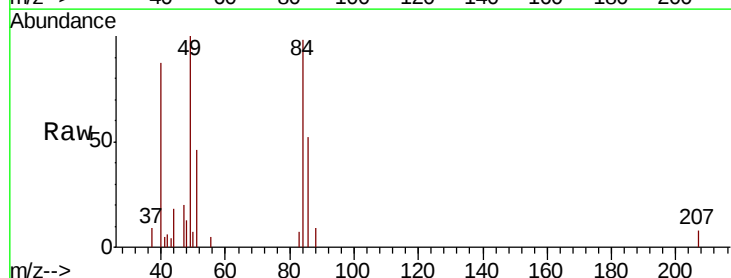
Instrument :
MSVOA_D
ClientSampleId :
GP-9-(8-10)

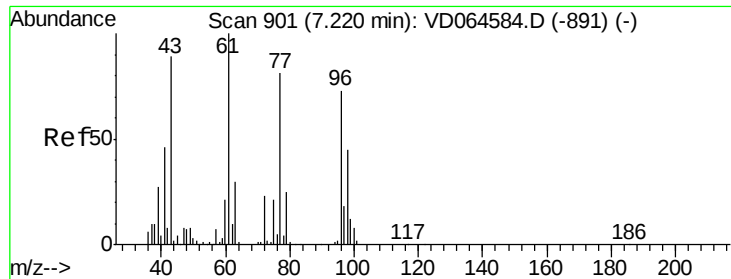
Tot Ion: 76 Resp: 98876
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

Tgt Ion: 84 Resp: 11299
Ion Ratio Lower Upper
84 100
49 102.3 97.2 145.8
51 46.7 31.4 47.0
86 53.6 49.3 73.9





#25

2-Butanone

Concen: 6.945 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064718.D

Acq: 02 Jan 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

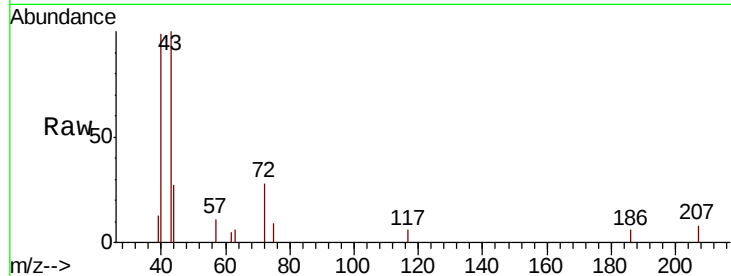
GP-9-(8-10)

Tot Ion: 43 Resp: 8535

Ion Ratio Lower Upper

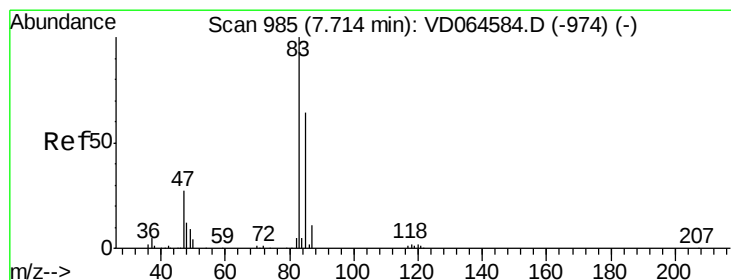
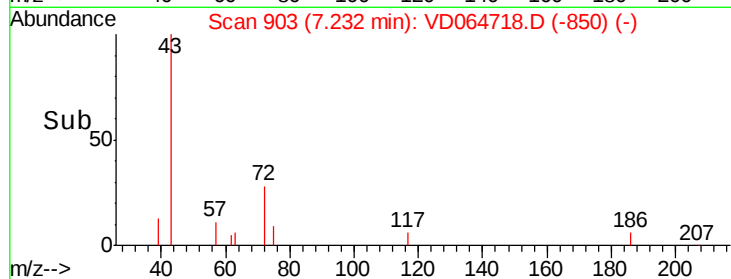
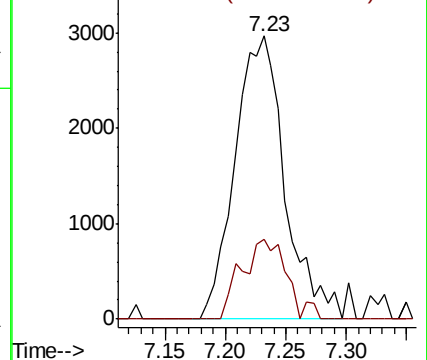
43 100

72 28.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.256 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064718.D

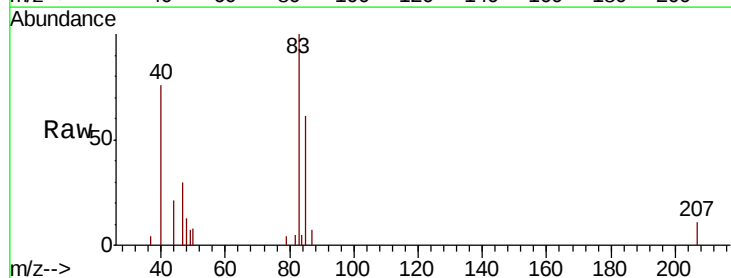
Acq: 02 Jan 2020 15:32

Tgt Ion: 83 Resp: 10973

Ion Ratio Lower Upper

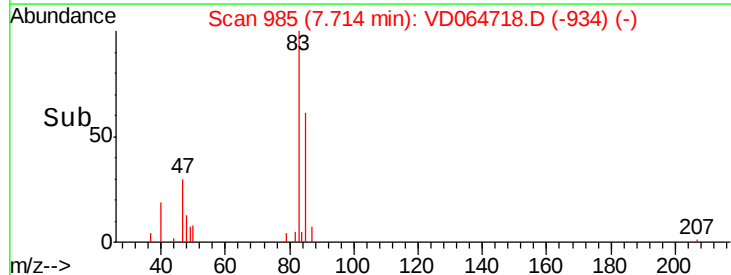
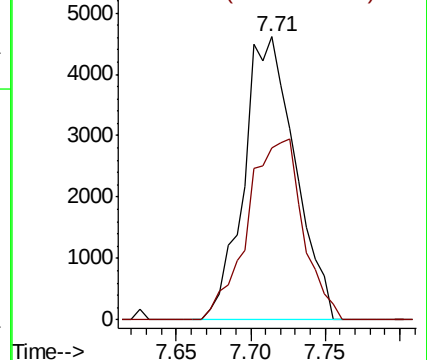
83 100

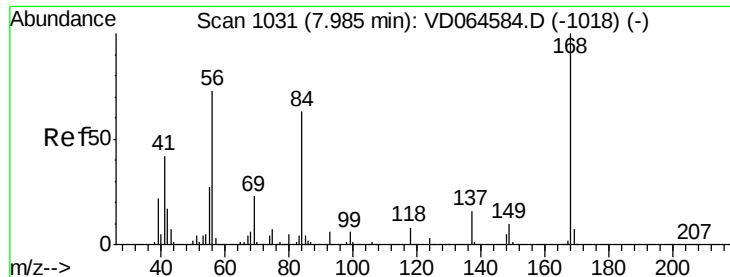
85 60.7 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

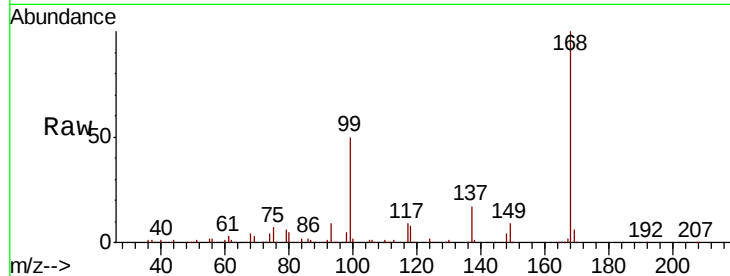




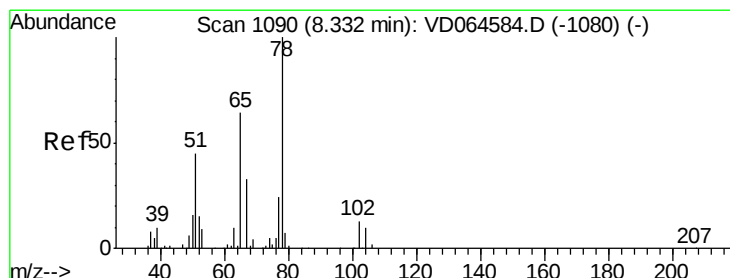
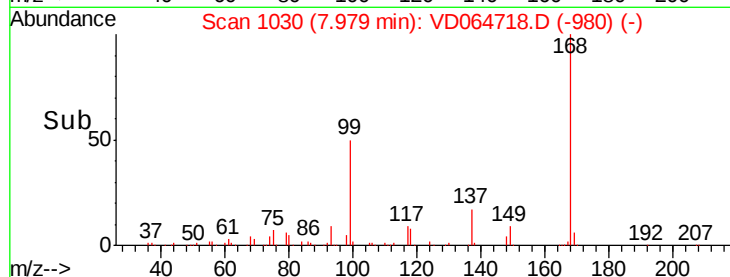
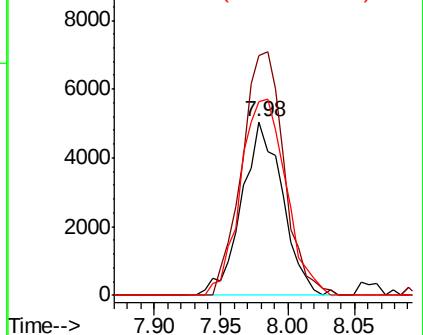
#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
GP-9-(8-10)

Tot Ion: 56 Resp: 10702
Ion Ratio Lower Upper
56 100
69 138.3 24.7 37.1#
84 111.5 69.4 104.2#

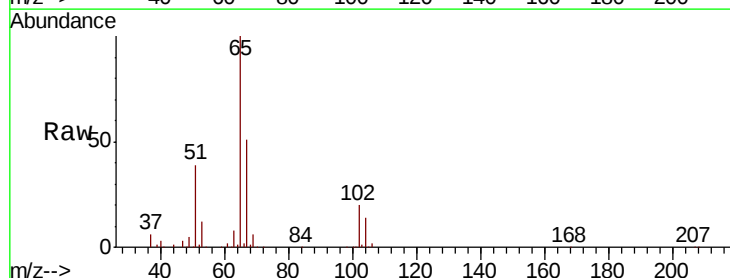


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

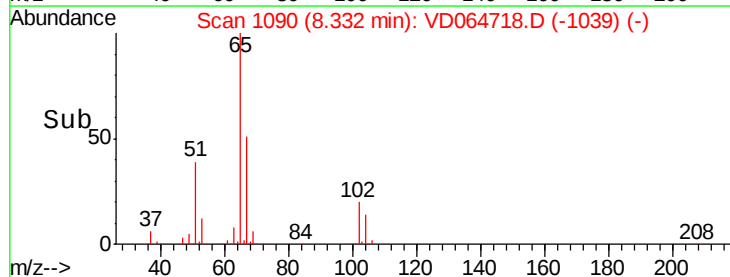
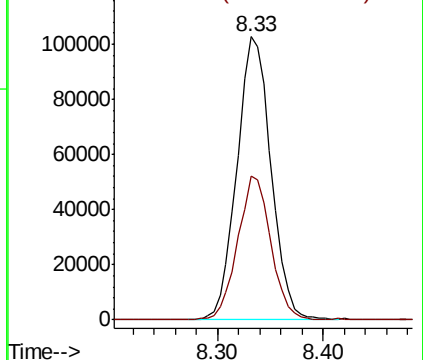


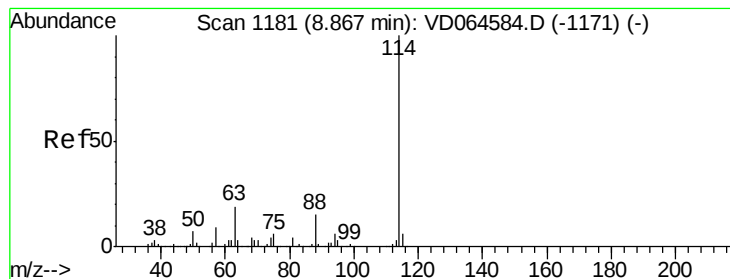
#33
1,2-Dichloroethane-d4
Concen: 51.448 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

Tgt Ion: 65 Resp: 230015
Ion Ratio Lower Upper
65 100
67 49.4 0.0 106.2



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: VD064718.D

Acq: 02 Jan 2020 15:32

Instrument :

MSVOA_D

ClientSampled :

GP-9-(8-10)

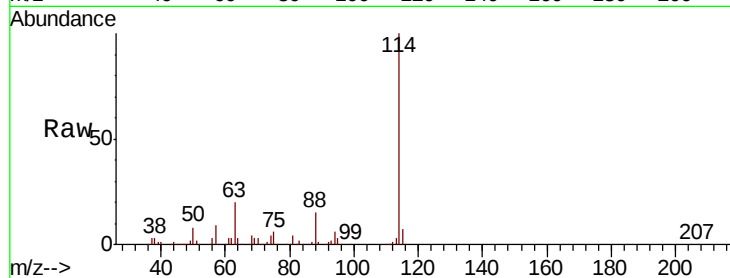
Tot Ion:114 Resp: 782002

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

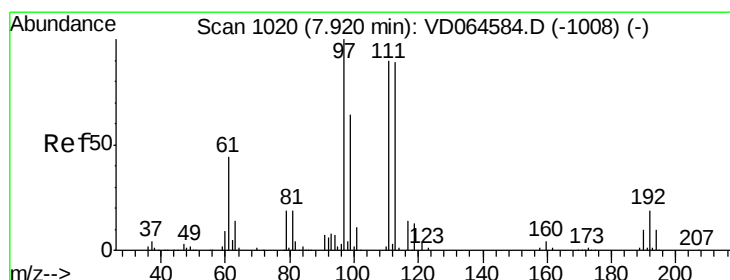
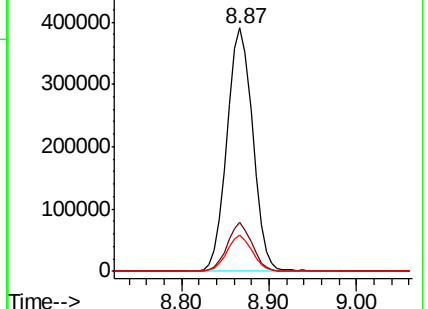
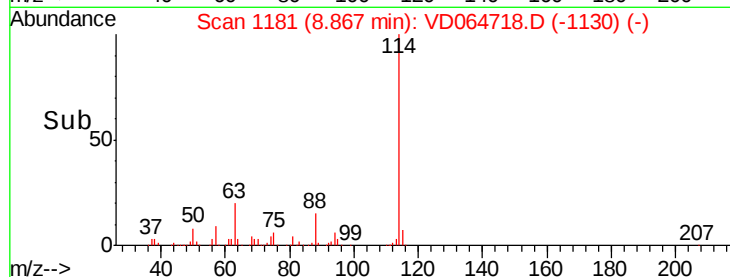
88 14.9 0.0 29.2



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: 50.646 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064718.D

Acq: 02 Jan 2020 15:32

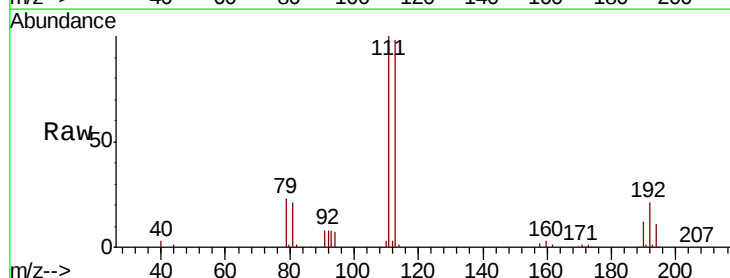
Tgt Ion:113 Resp: 242985

Ion Ratio Lower Upper

113 100

111 101.2 80.6 121.0

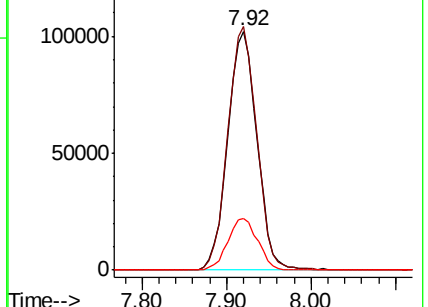
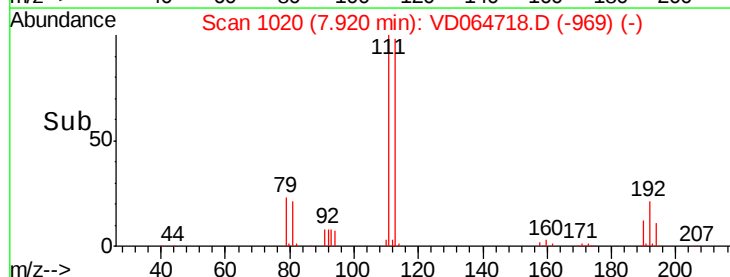
192 22.3 17.9 26.9

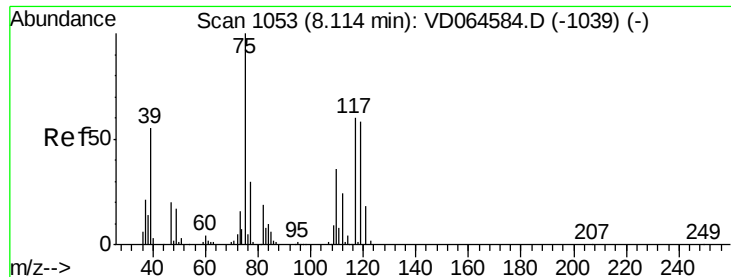


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

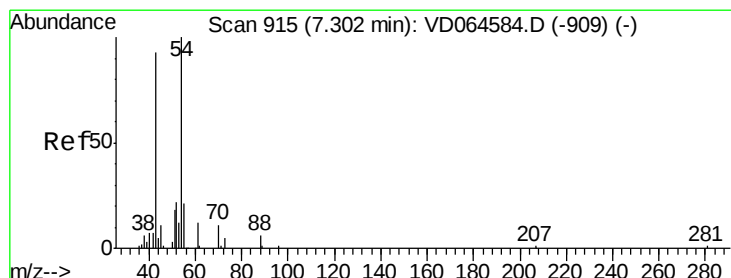
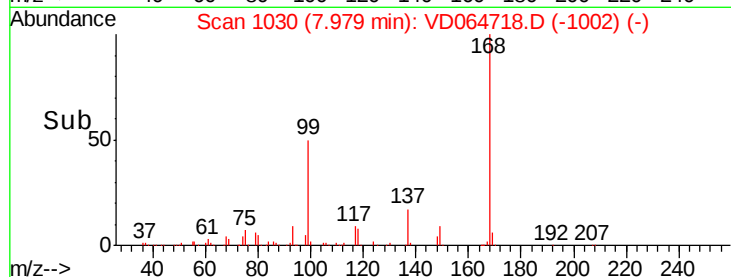
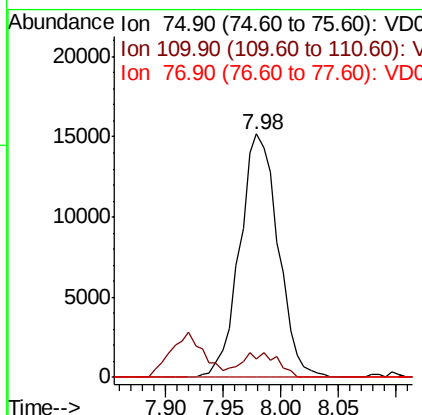
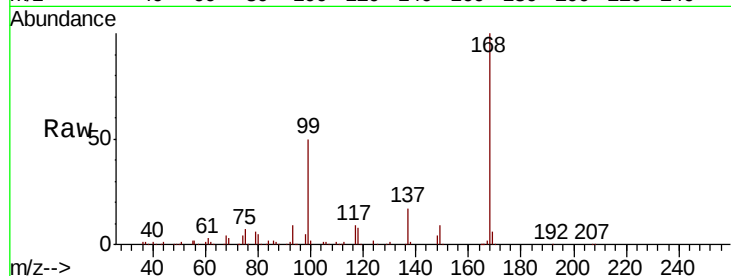




#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064718.D
 Acq: 02 Jan 2020 15:32

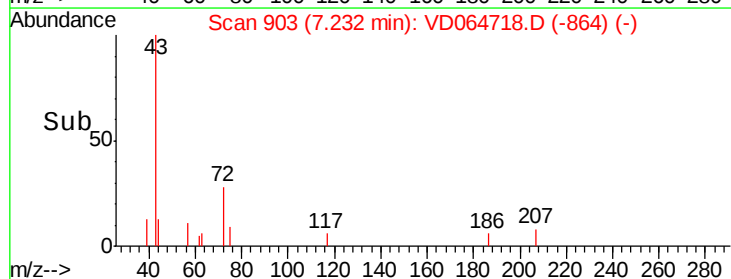
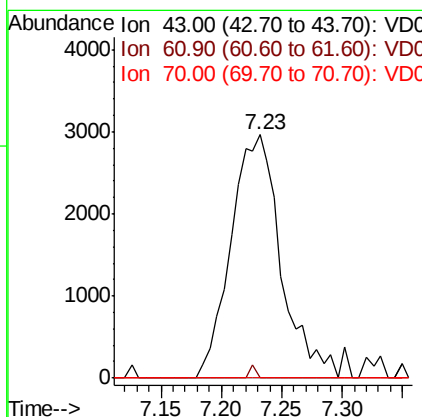
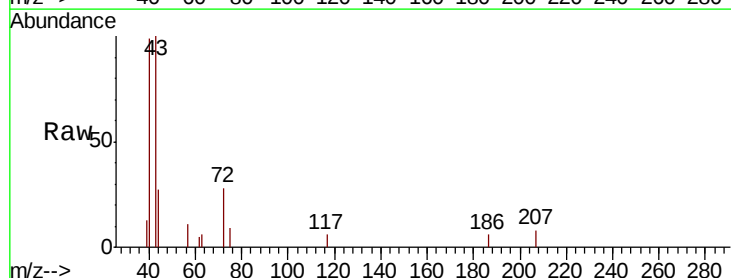
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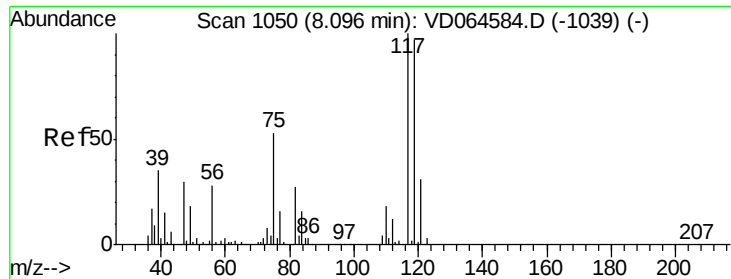
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 2.886 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. -0.07 min
 Lab File: VD064718.D
 Acq: 02 Jan 2020 15:32

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.6	10.3	15.5#
70	0.0	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 6.114 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064718.D

Acq: 02 Jan 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

GP-9-(8-10)

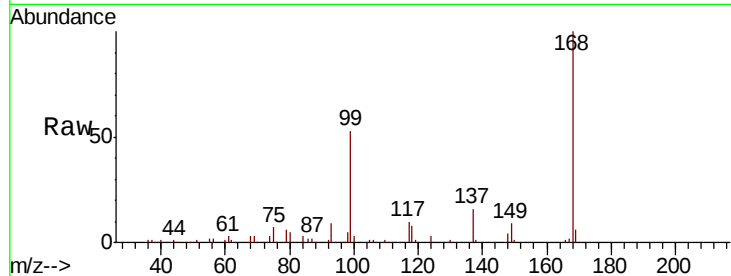
Tot Ion:117 Resp: 49072

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

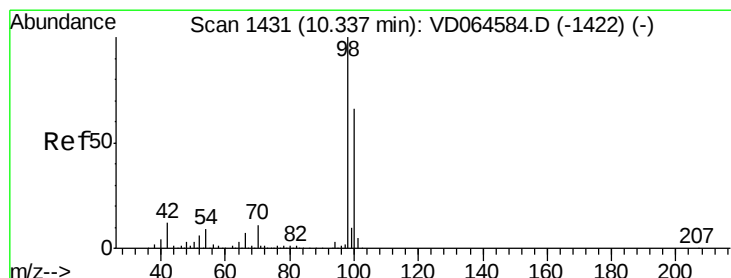
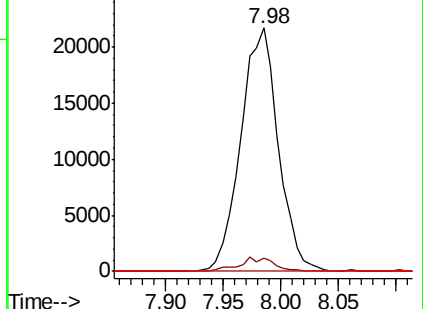
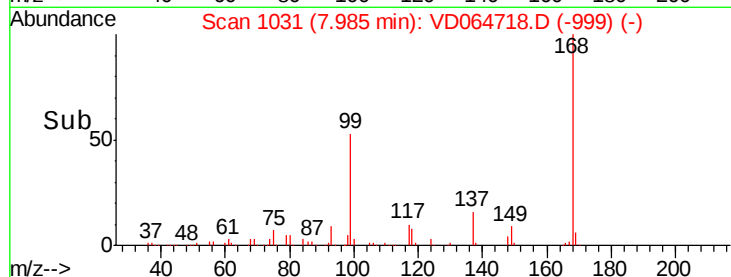
121 0.0 25.0 37.6#



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: 50.134 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064718.D

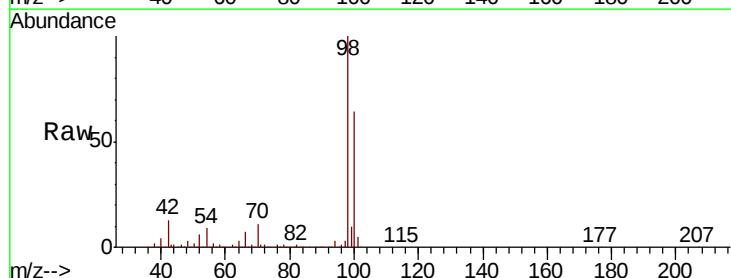
Acq: 02 Jan 2020 15:32

Tgt Ion: 98 Resp: 921203

Ion Ratio Lower Upper

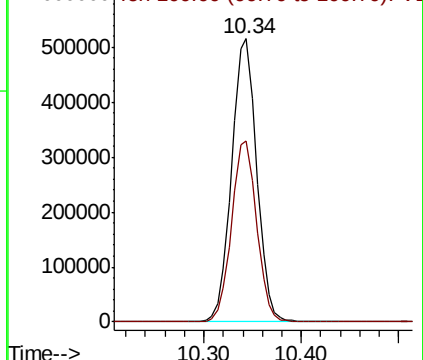
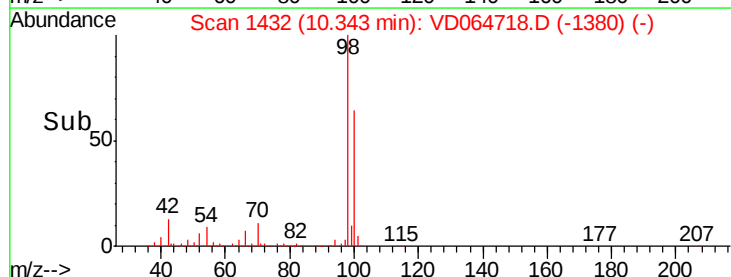
98 100

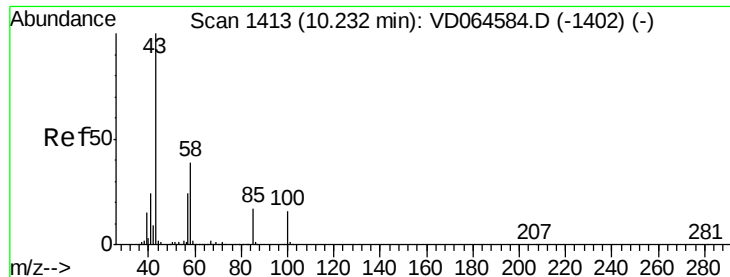
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

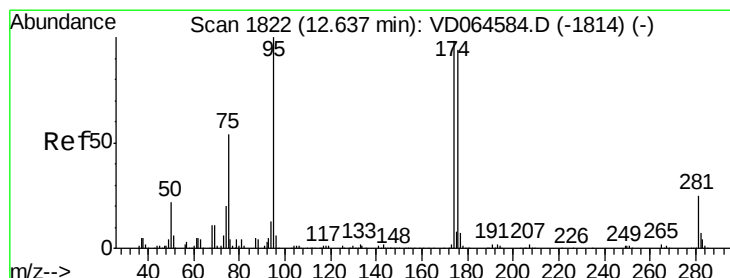
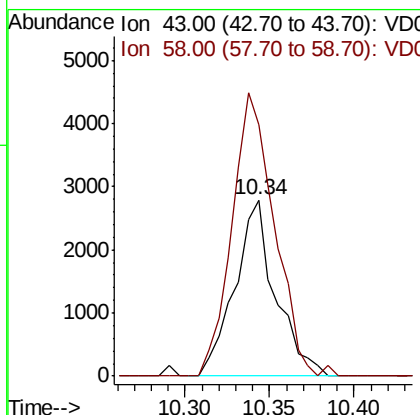
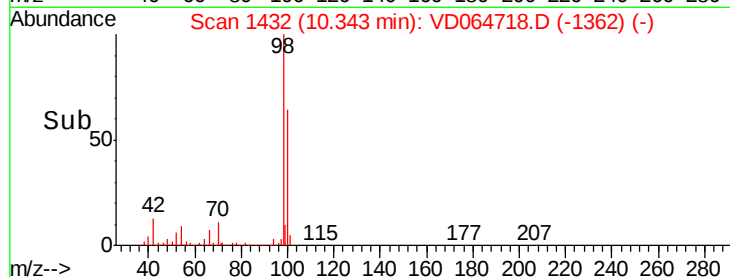
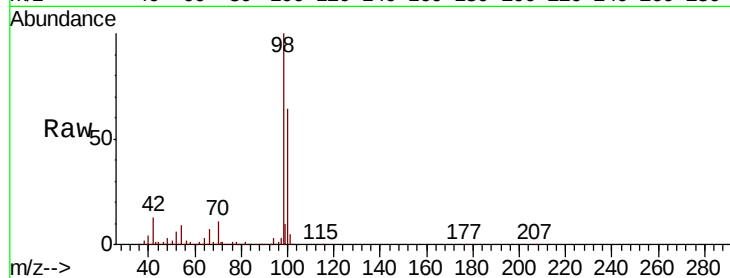




#51
4-Methyl-2-Pentanone
Concen: 1.614 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

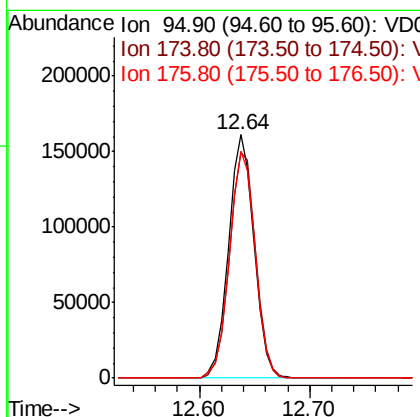
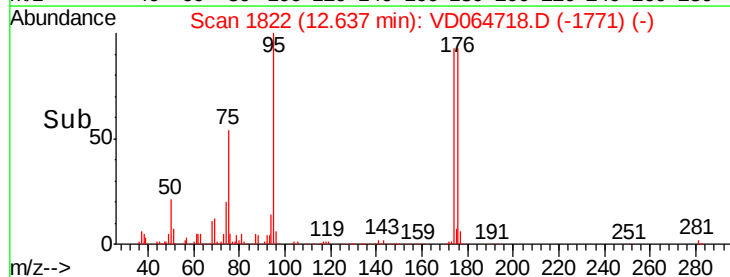
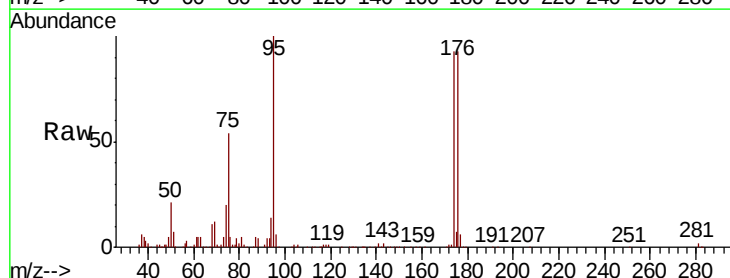
Instrument :
MSVOA_D
ClientSampleID :
GP-9-(8-10)

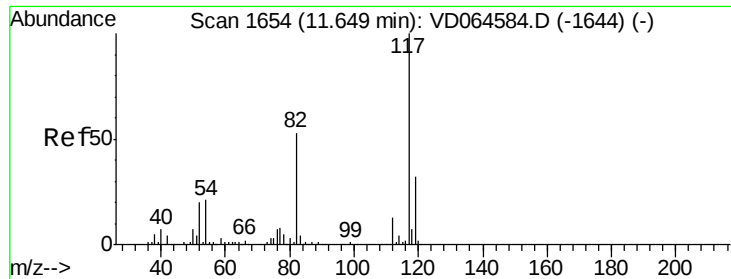
Tot Ion: 43 Resp: 4696
Ion Ratio Lower Upper
43 100
58 167.1 30.2 45.2#



#62
4-Bromofluorobenzene
Concen: 44.866 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

Tgt Ion: 95 Resp: 260683
Ion Ratio Lower Upper
95 100
174 95.4 0.0 193.2
176 94.0 0.0 184.2

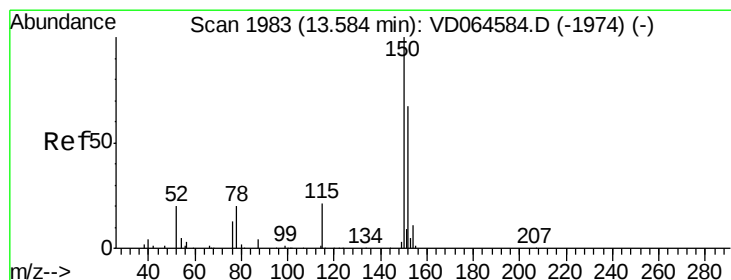
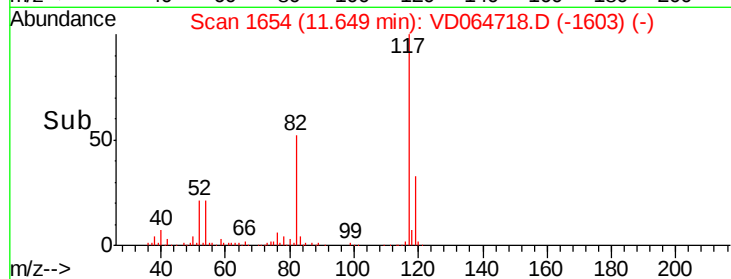
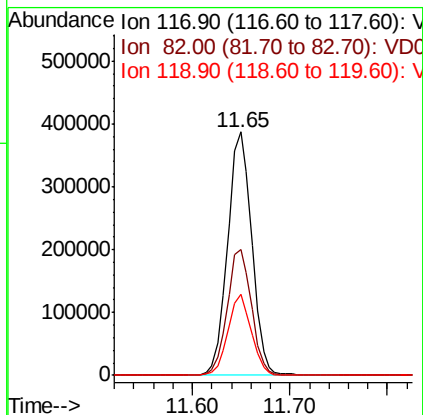
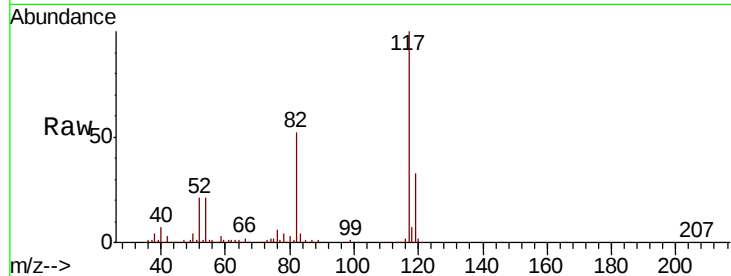




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

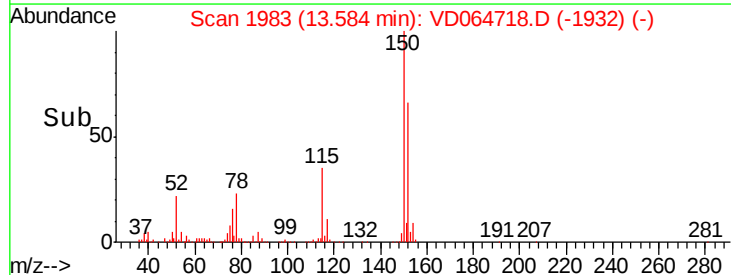
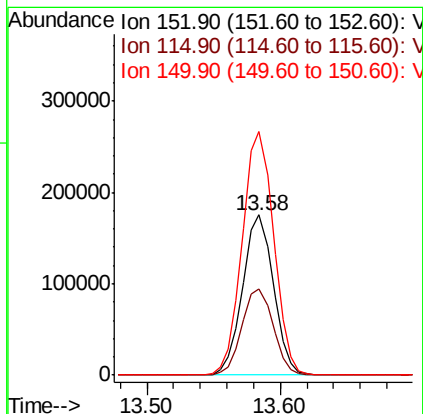
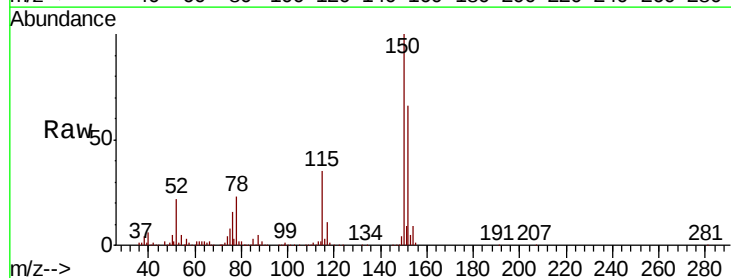
Instrument :
MSVOA_D
ClientSampleId :
GP-9-(8-10)

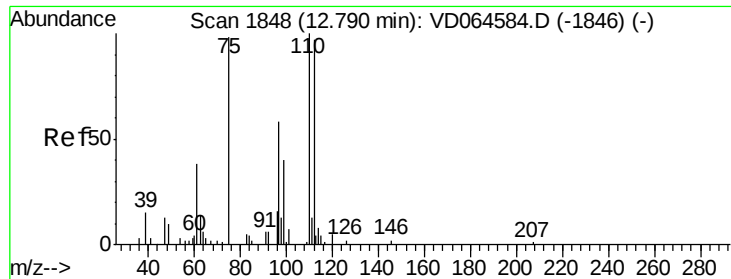
Tot Ion:117 Resp: 665534
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.4
119 33.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064718.D
Acq: 02 Jan 2020 15:32

Tgt Ion:152 Resp: 279637
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 155.5 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 62.911 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064718.D

Acq: 02 Jan 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

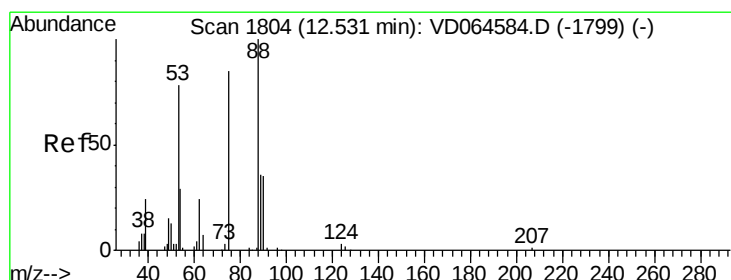
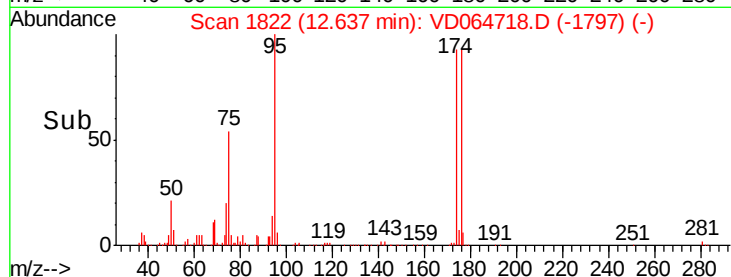
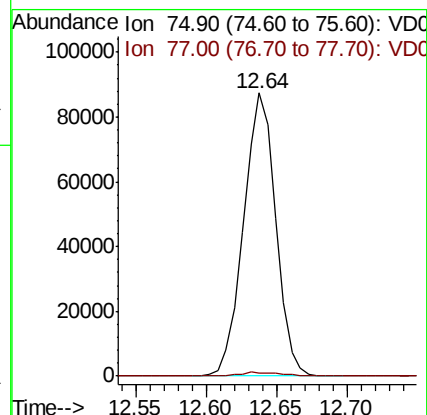
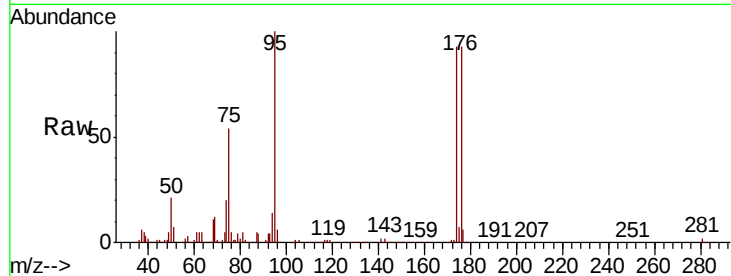
GP-9-(8-10)

Tot Ion: 75 Resp: 138920

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.577 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064718.D

Acq: 02 Jan 2020 15:32

Tgt Ion: 75 Resp: 138920

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#

