

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064722.D
 Acq On : 02 Jan 2020 17:26
 Operator : VA/SY
 Sample : K6465-05
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-9-(1-3)

Quant Time: Jan 03 00:25:35 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	497667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	762511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	685906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	235169	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
35) Dibromofluoromethane	7.92	113	238601	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	10.34	98	920544	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.64	95	277259	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	

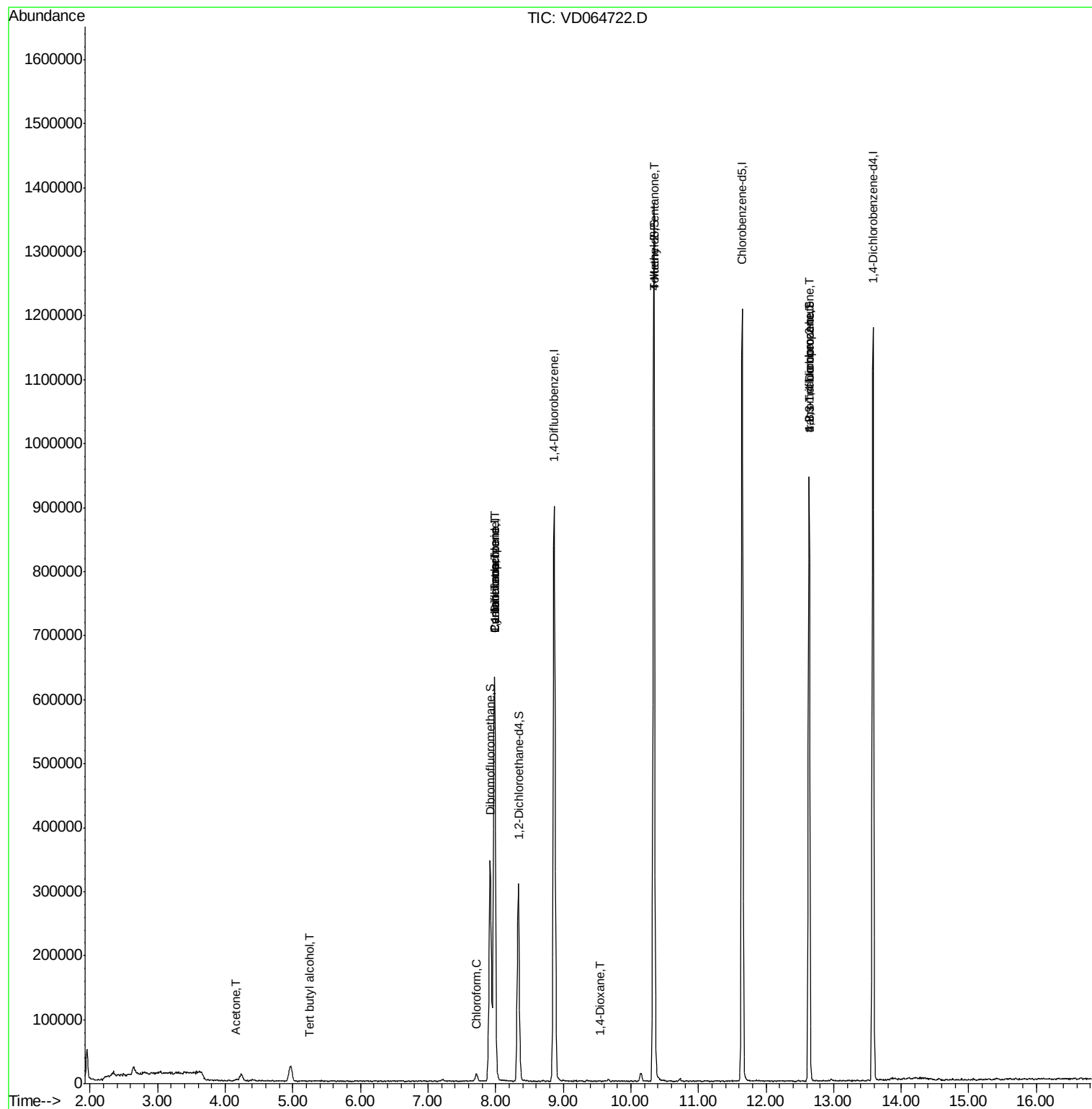
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	381	1.515	ug/l #	70
16) Acetone	4.16	43	3999	7.998	ug/l #	42
20) Methylene Chloride	4.96	84	18189	Below Cal		97
30) Chloroform	7.72	83	10535	1.228	ug/l	89
31) Cyclohexane	7.98	56	11060	1.352	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	35077	4.779	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47254	6.038	ug/l #	14
49) 1,4-Dioxane	9.54	88	54	1.756	ug/l #	24
51) 4-Methyl-2-Pentanone	10.34	43	4323	1.524	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	150582	60.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150582	126.876	ug/l #	10

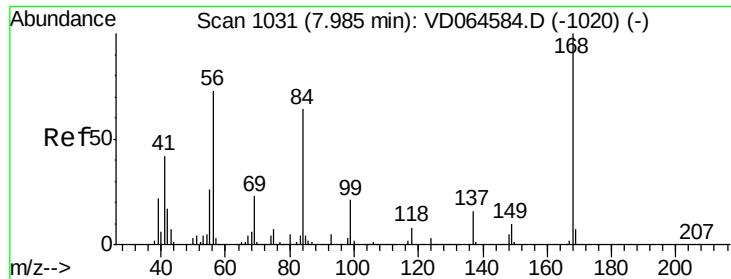
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 03 00:25:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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# 1031

Delta R.T. 0.00 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

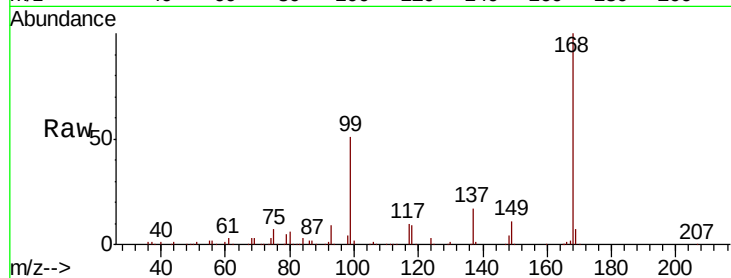
GP-9-(1-3)

Tot Ion:168 Resp: 497667

Ion Ratio Lower Upper

168 100

99 51.5 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

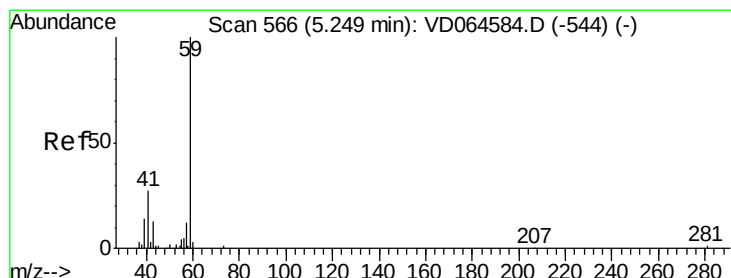
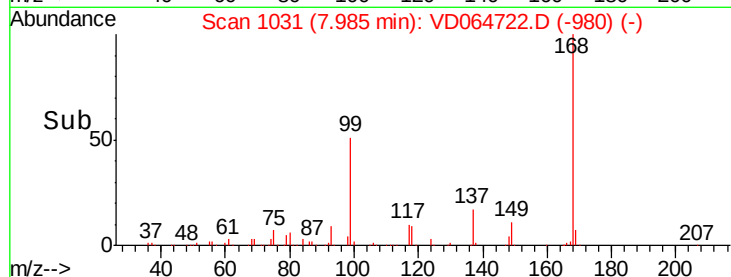
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.515 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064722.D

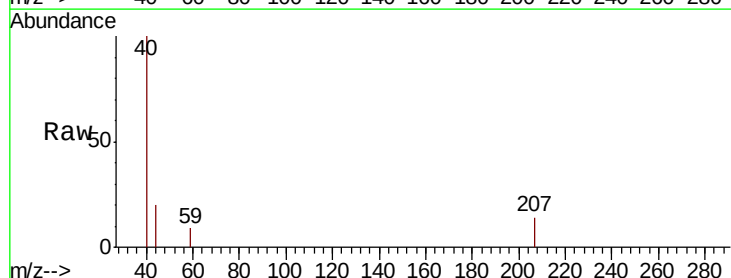
Acq: 02 Jan 2020 17:26

Tgt Ion: 59 Resp: 381

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

5.24

250

200

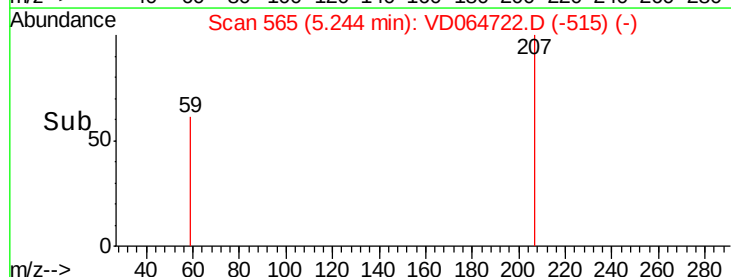
150

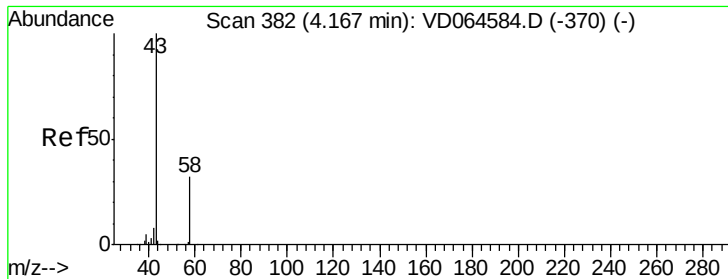
100

50

0

Time-->





#16

Acetone

Concen: 7.998 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

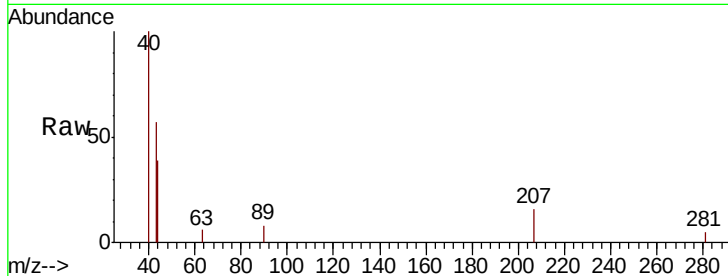
GP-9-(1-3)

Tot Ion: 43 Resp: 3999

Ion Ratio Lower Upper

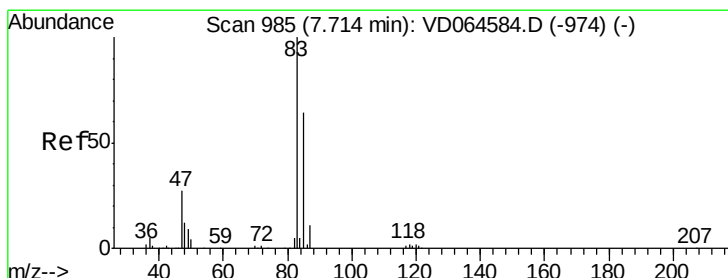
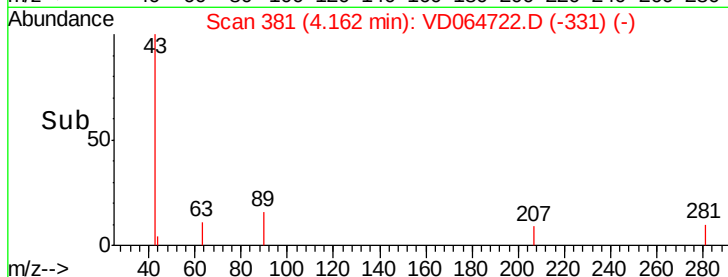
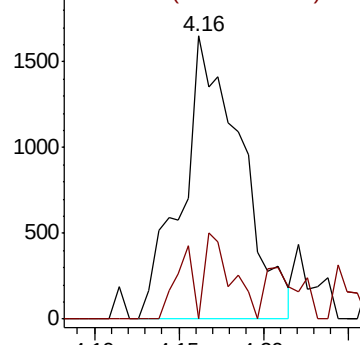
43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#30

Chloroform

Concen: 1.228 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064722.D

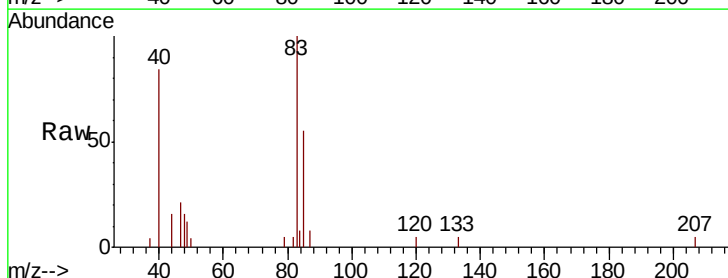
Acq: 02 Jan 2020 17:26

Tgt Ion: 83 Resp: 10535

Ion Ratio Lower Upper

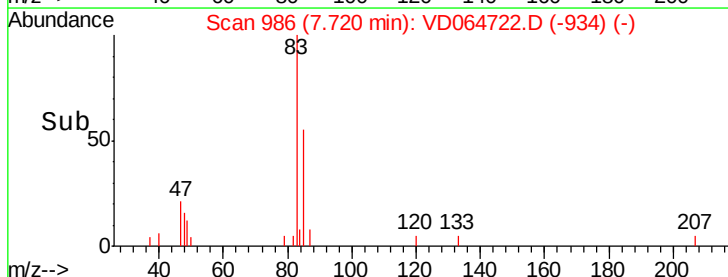
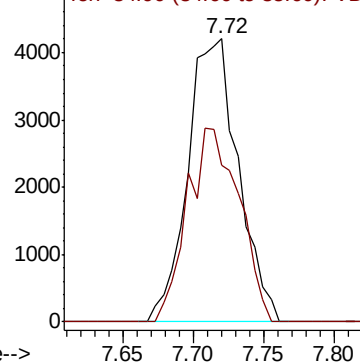
83 100

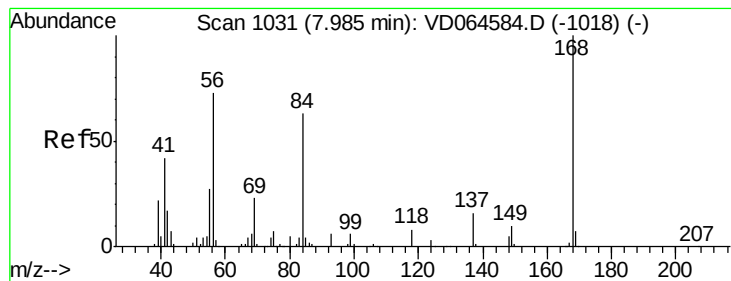
85 55.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.352 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampleID :

GP-9-(1-3)

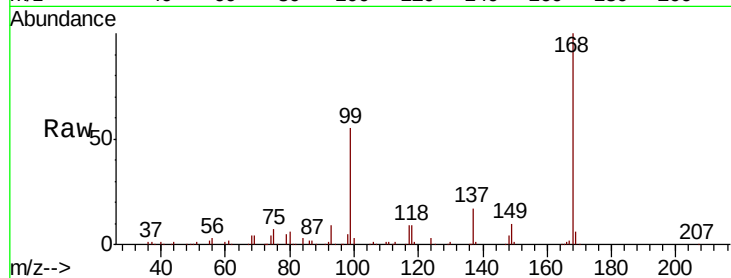
Tot Ion: 56 Resp: 11060

Ion Ratio Lower Upper

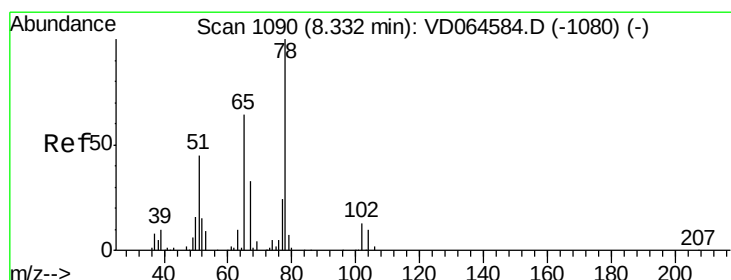
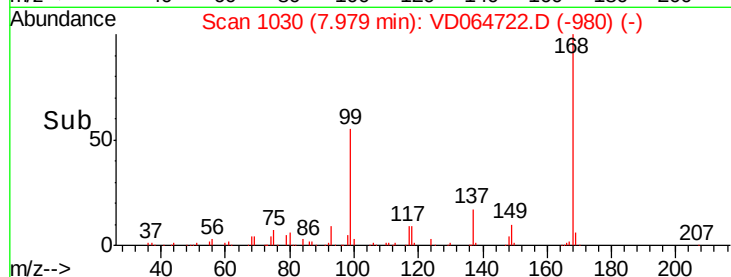
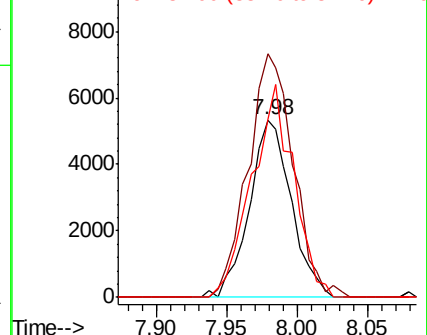
56 100

69 137.4 24.7 37.1#

84 100.7 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: 53.589 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064722.D

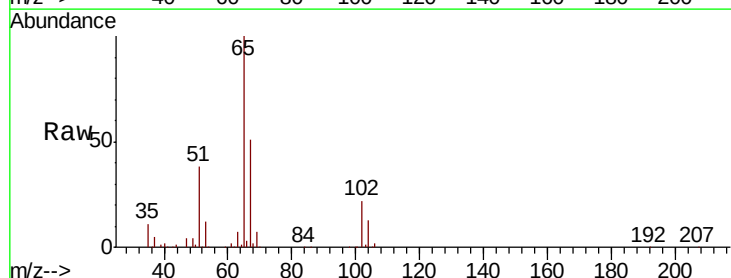
Acq: 02 Jan 2020 17:26

Tgt Ion: 65 Resp: 235169

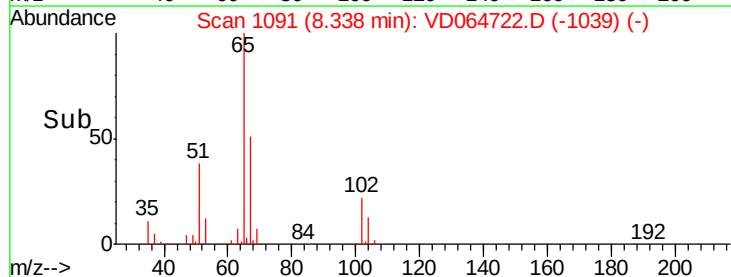
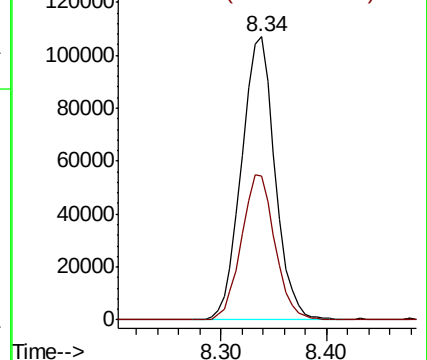
Ion Ratio Lower Upper

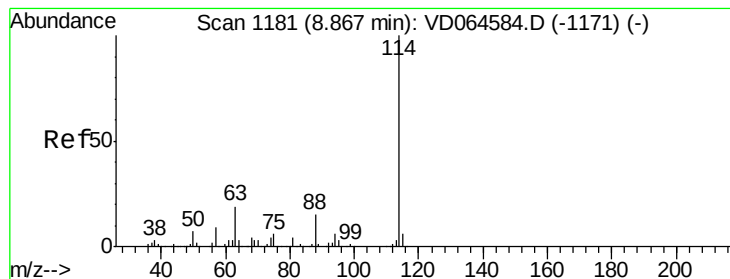
65 100

67 51.6 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: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

GP-9-(1-3)

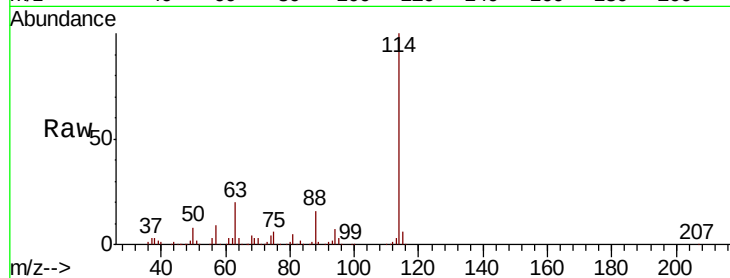
Tot Ion:114 Resp: 762511

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

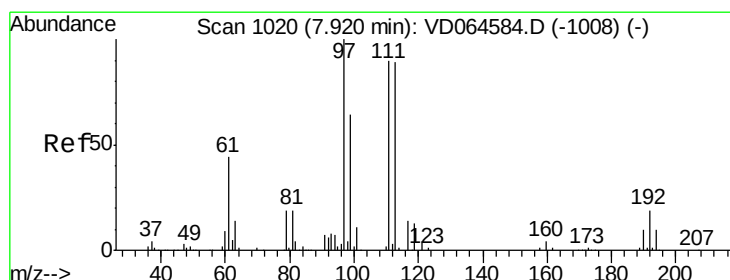
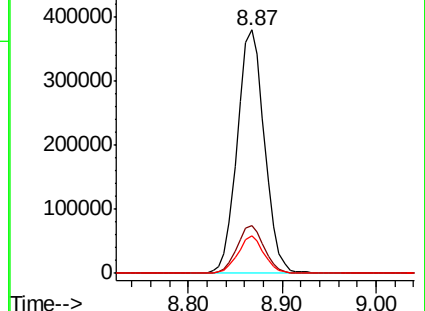
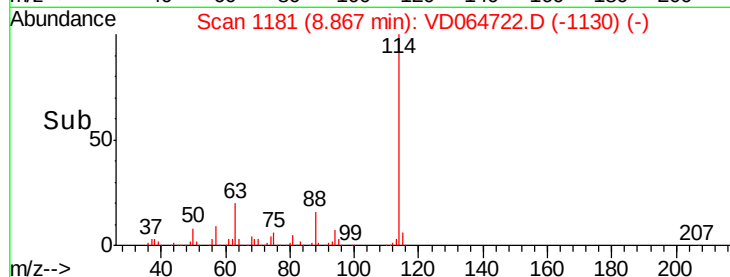
88 15.6 0.0 29.2



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: 51.003 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

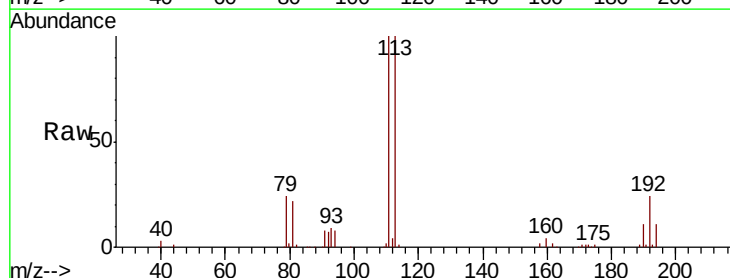
Tgt Ion:113 Resp: 238601

Ion Ratio Lower Upper

113 100

111 102.7 80.6 121.0

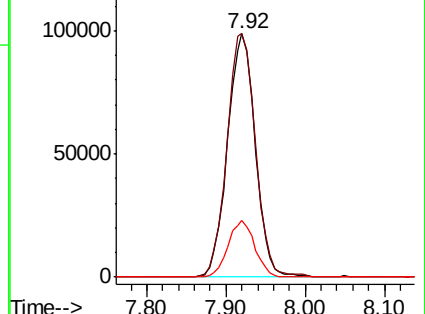
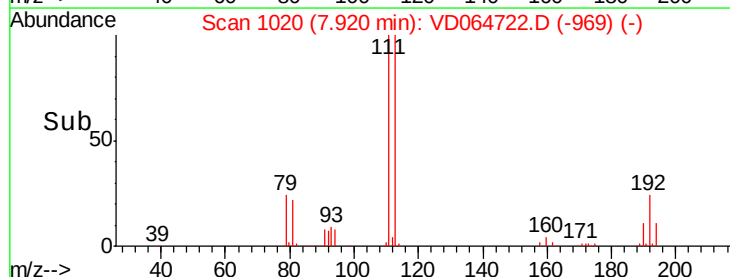
192 22.6 17.9 26.9

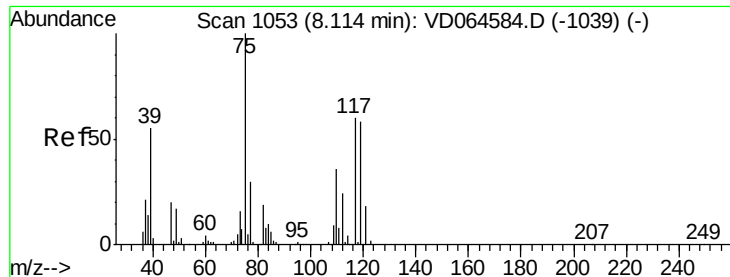


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

GP-9-(1-3)

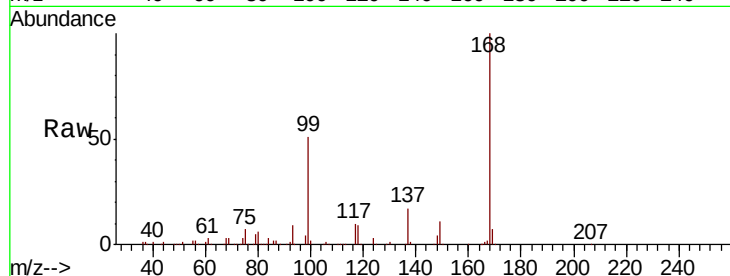
Tot Ion: 75 Resp: 35077

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

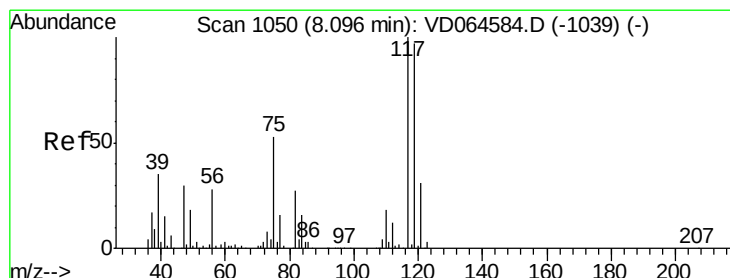
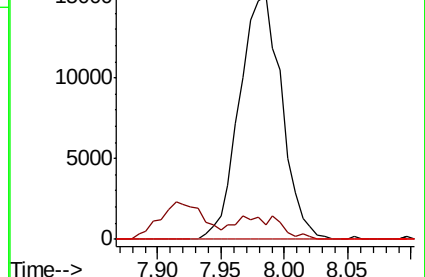
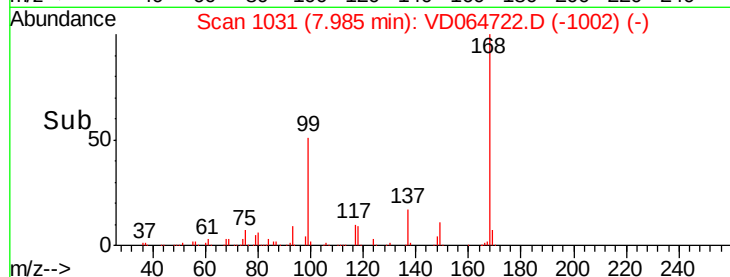
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064722.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064722.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064722.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

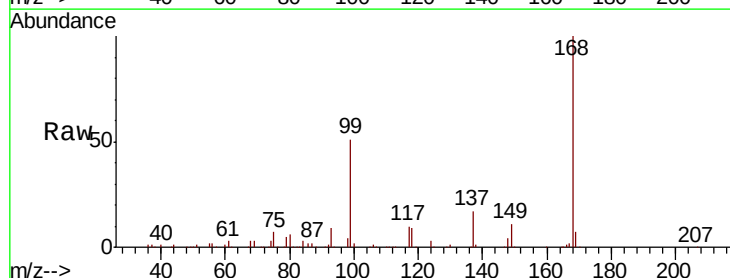
Tgt Ion: 117 Resp: 47254

Ion Ratio Lower Upper

117 100

119 3.1 77.3 115.9#

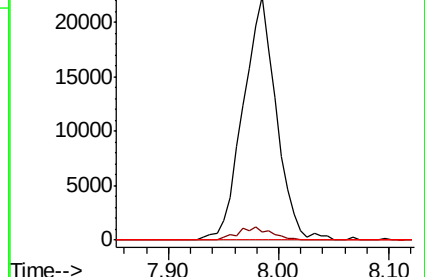
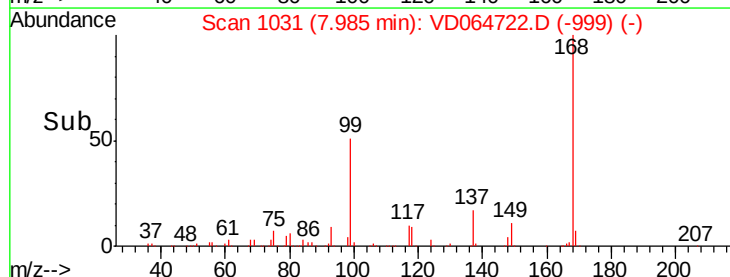
121 0.0 25.0 37.6#

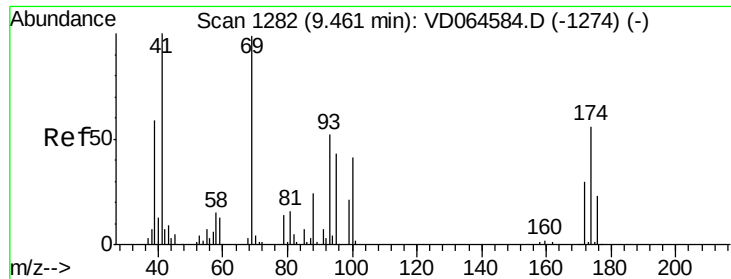


Abundance Ion 116.80 (116.50 to 117.50): VD064722.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064722.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064722.D (-999) (-)

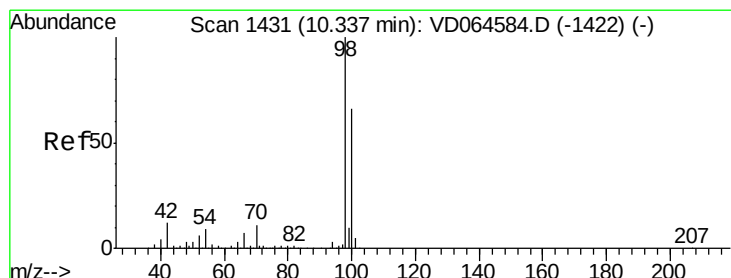
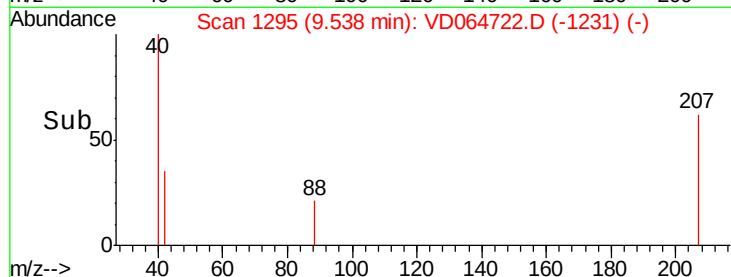
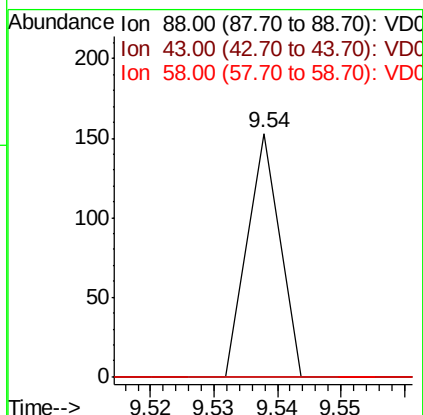
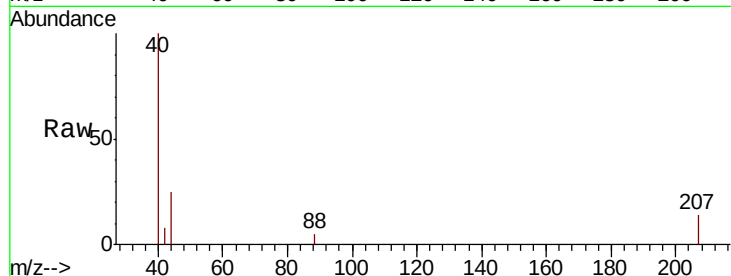




#49
1,4-Dioxane
Concen: 1.756 ug/l
RT: 9.54 min Scan# 1295
Delta R.T. 0.08 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

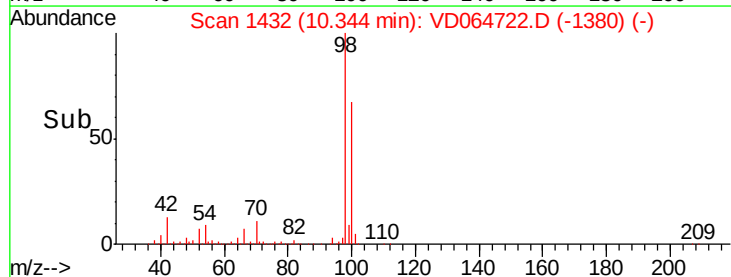
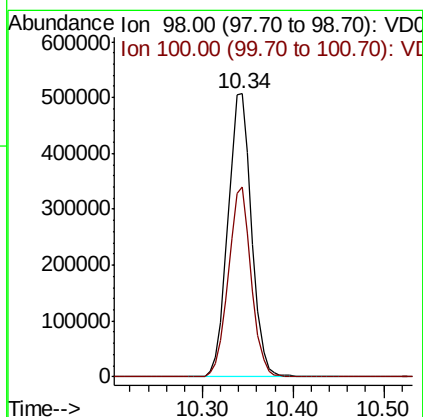
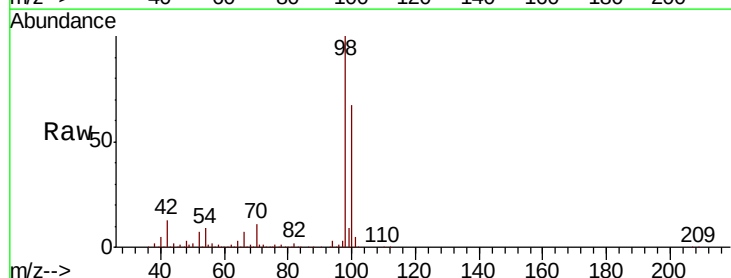
Instrument :
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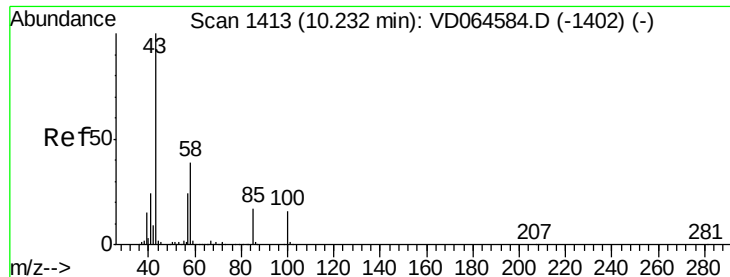
Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 53.8 80.6#



#50
Toluene-d8
Concen: 51.379 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

Tgt Ion: 98 Resp: 920544
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

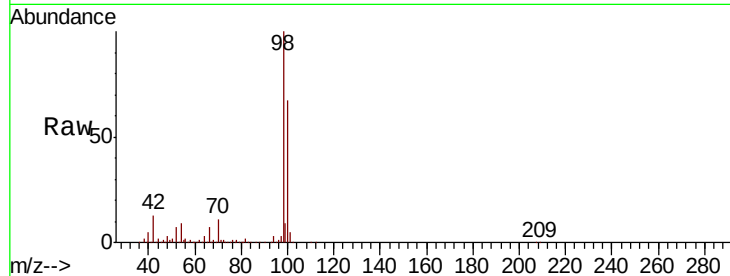




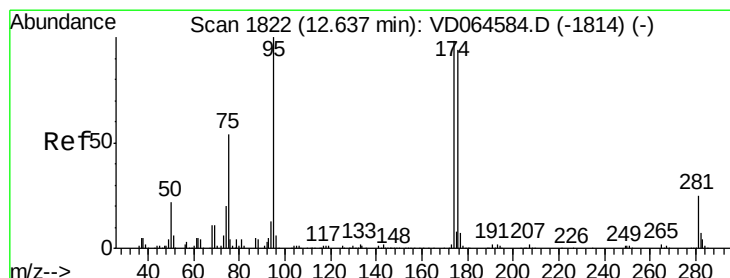
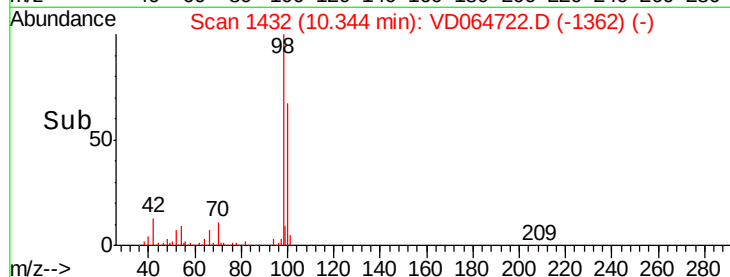
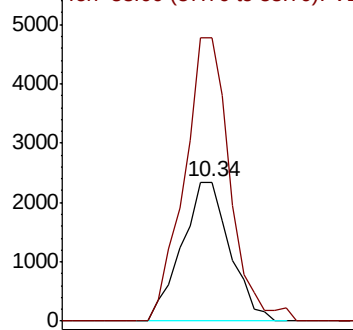
#51
4-Methyl-2-Pentanone
Concen: 1.524 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

Instrument :
MSVOA_D
ClientSampleId :
GP-9-(1-3)

Tot Ion: 43 Resp: 4323
Ion Ratio Lower Upper
43 100
58 193.5 30.2 45.2#

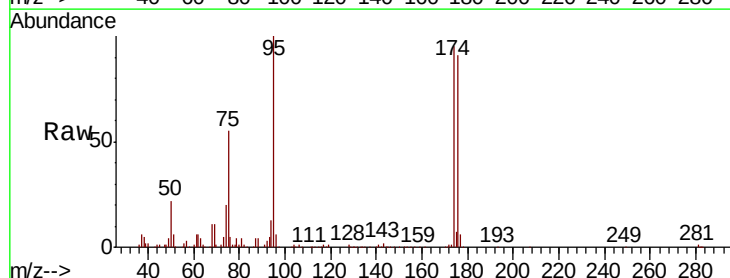


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

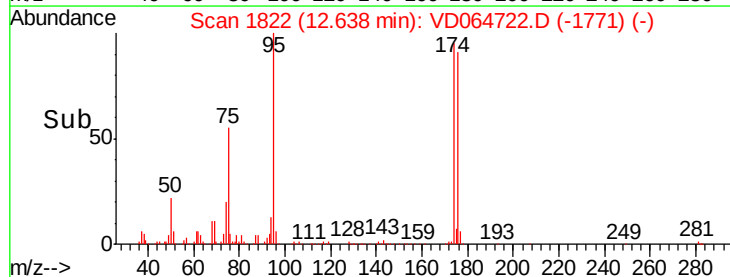
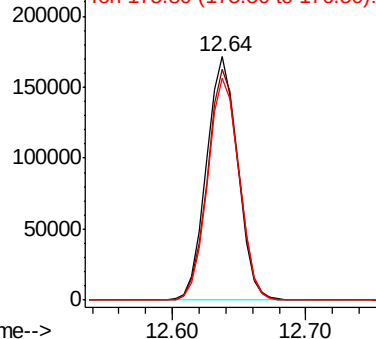


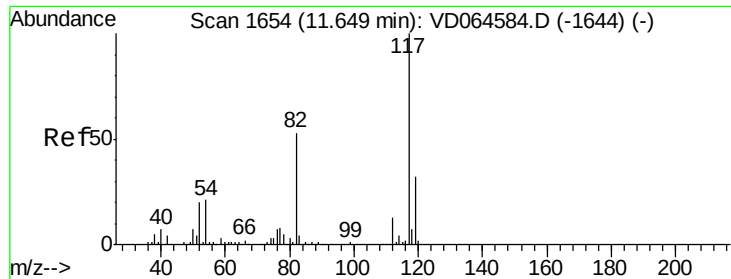
#62
4-Bromofluorobenzene
Concen: 48.938 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

Tgt Ion: 95 Resp: 277259
Ion Ratio Lower Upper
95 100
174 95.5 0.0 193.2
176 92.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

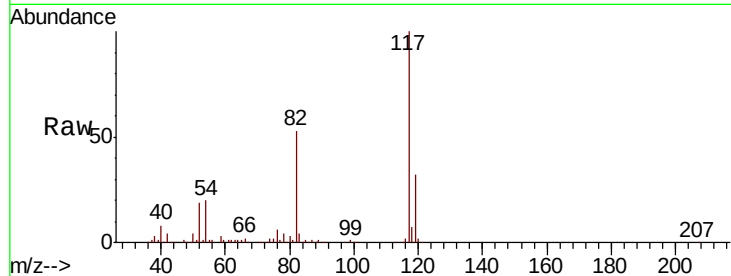




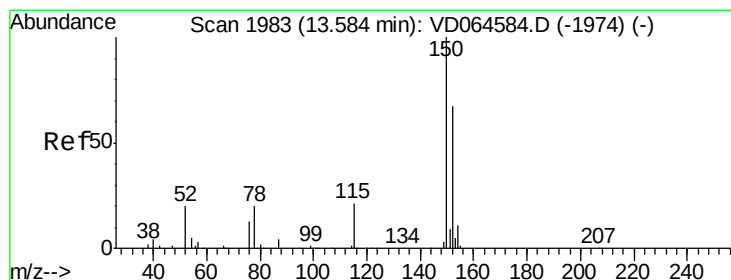
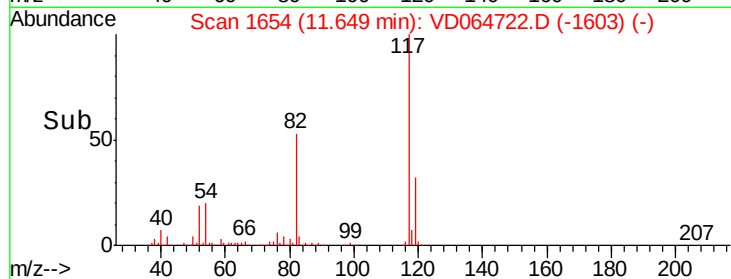
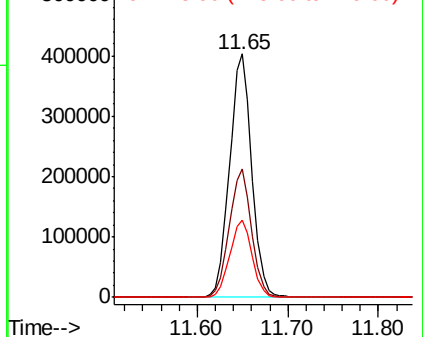
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

Instrument :
MSVOA_D
ClientSampleId :
GP-9-(1-3)

Tot Ion:117 Resp: 685906
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.9 26.0 39.0

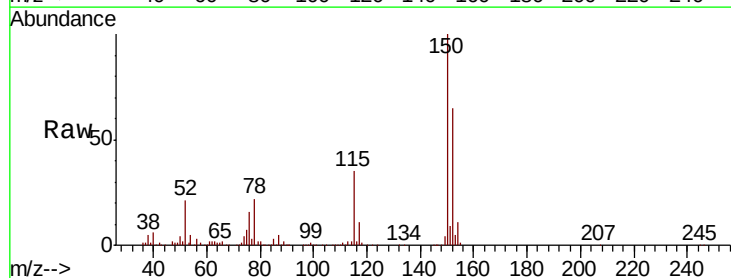


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

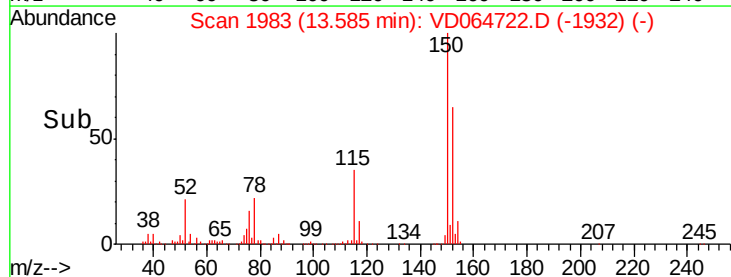
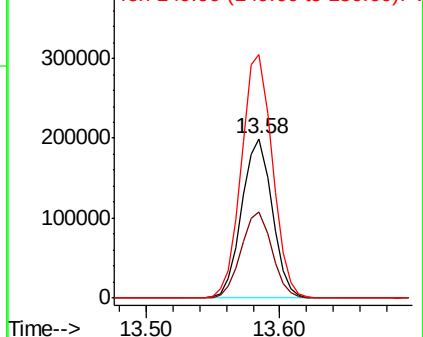


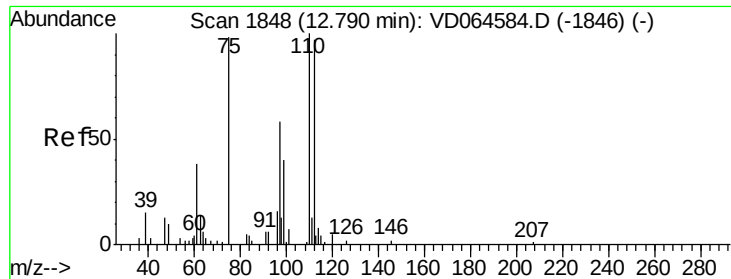
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064722.D
Acq: 02 Jan 2020 17:26

Tgt Ion:152 Resp: 314344
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 155.7 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: 60.663 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Instrument :

MSVOA_D

ClientSampled :

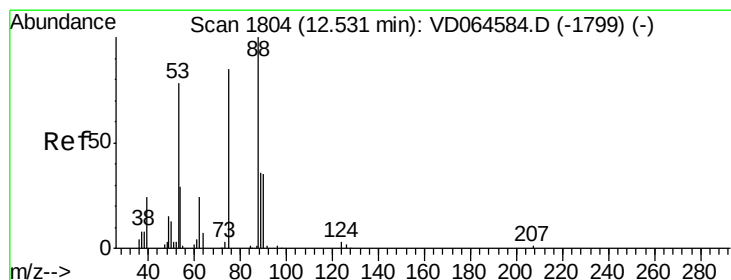
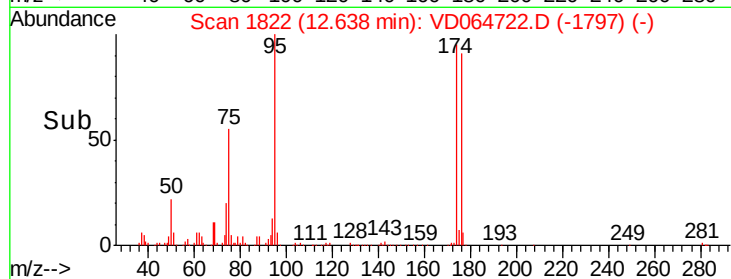
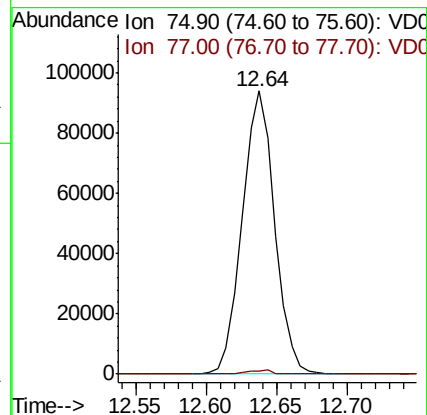
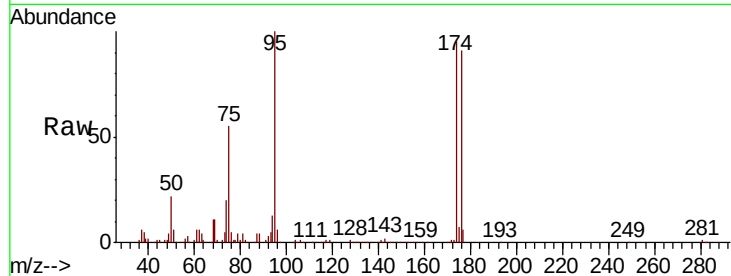
GP-9-(1-3)

Tot Ion: 75 Resp: 150582

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.876 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064722.D

Acq: 02 Jan 2020 17:26

Tgt Ion: 75 Resp: 150582

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

