

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064609.D
 Acq On : 26 Dec 2019 19:56
 Operator : VA/SY
 Sample : K6437-08
 Misc : 6.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:42:16 2019
 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	335142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	530235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260480	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	184589	62.46	ug/l	0.00
Spiked Amount			Recovery	=	124.92%	
35) Dibromofluoromethane	7.92	113	173271	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
50) Toluene-d8	10.34	98	651242	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	230582	58.53	ug/l	0.00
Spiked Amount			Recovery	=	117.06%	

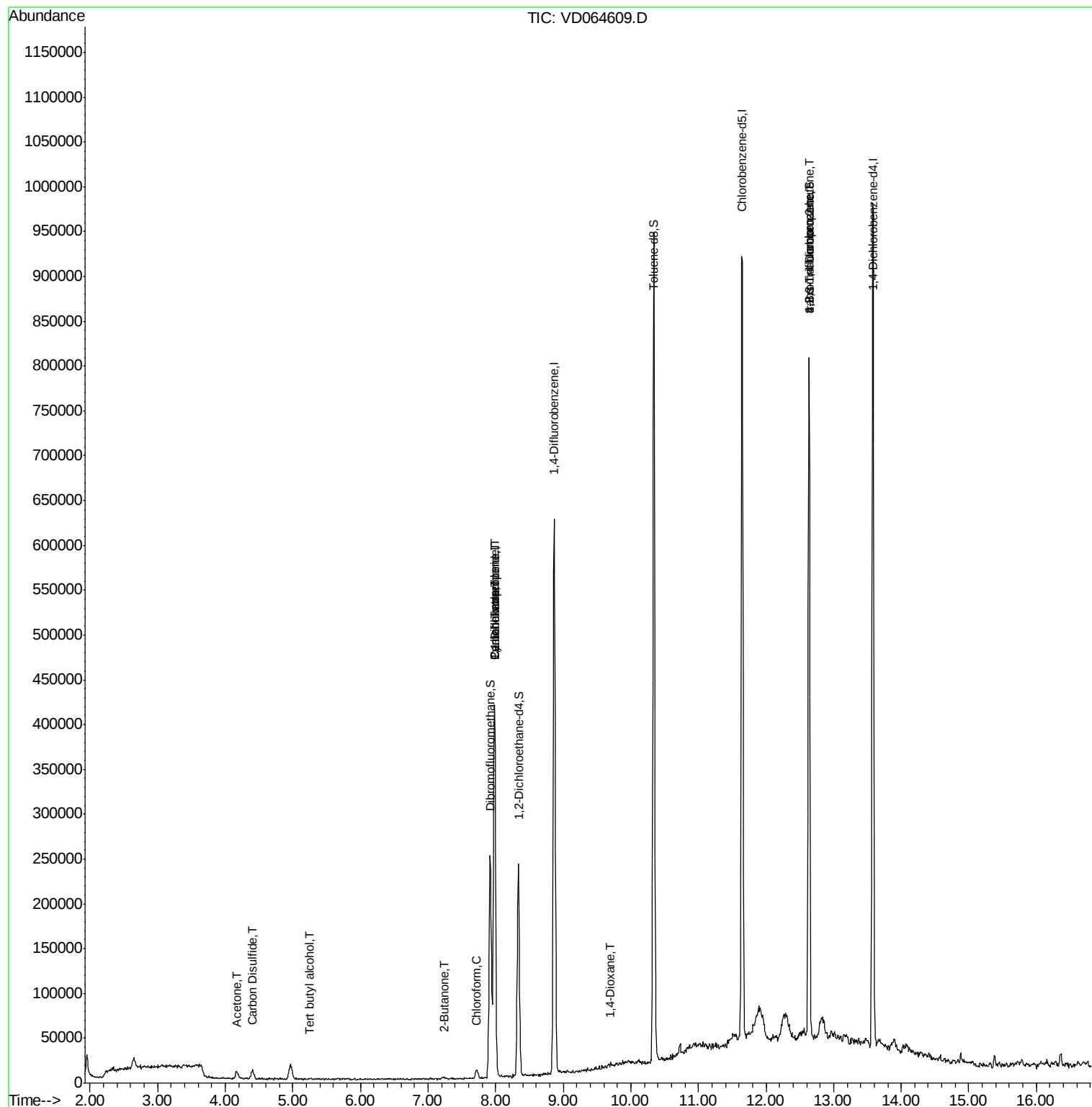
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	188	1.110	ug/l #	70
16) Acetone	4.17	43	13301	23.104	ug/l #	84
17) Carbon Disulfide	4.40	76	19898	2.087	ug/l	99
20) Methylene Chloride	4.96	84	12454	Below Cal		85
25) 2-Butanone	7.24	43	2847	3.505	ug/l #	49
30) Chloroform	7.71	83	9289	1.608	ug/l #	82
31) Cyclohexane	7.99	56	7247	1.315	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	22829	4.473	ug/l #	51
38) Carbon Tetrachloride	7.98	117	29819	5.480	ug/l #	15
49) 1,4-Dioxane	9.69	88	64	2.993	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	120168	58.422	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120168	122.187	ug/l #	10

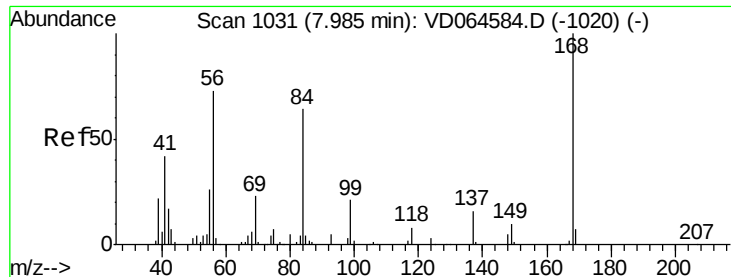
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

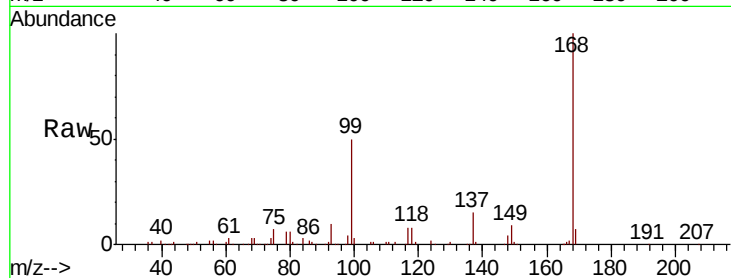
ClientSampleId :

Tot Ion:168 Resp: 335142

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

100000

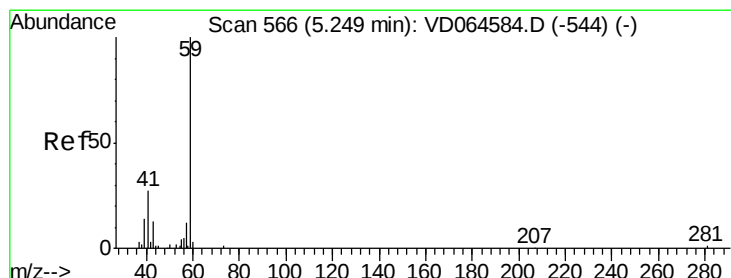
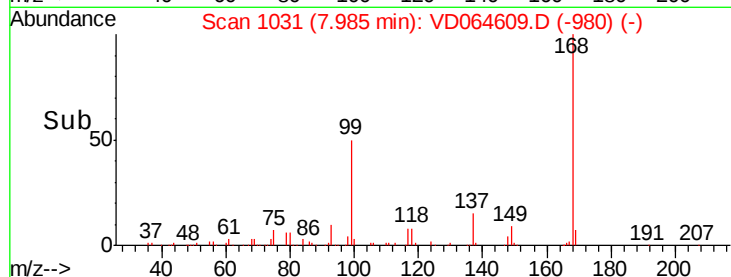
50000

0

7.98

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.110 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064609.D

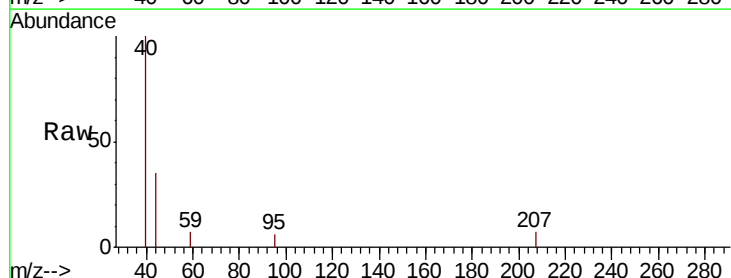
Acq: 26 Dec 2019 19:56

Tgt Ion: 59 Resp: 188

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

200

150

100

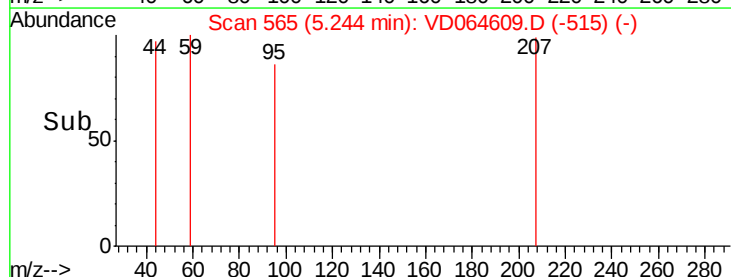
50

0

5.24

5.22 5.24 5.26 5.28

Time-->





#16

Acetone

Concen: 23.104 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

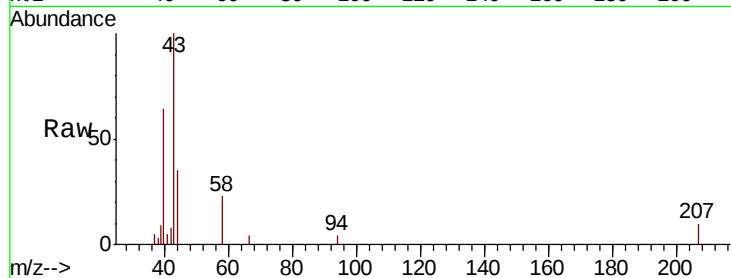
ClientSampled :

Tot Ion: 43 Resp: 13301

Ion Ratio Lower Upper

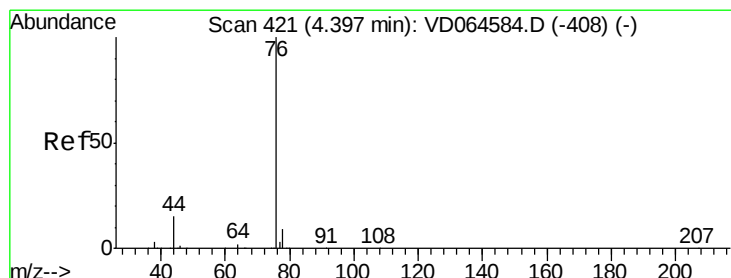
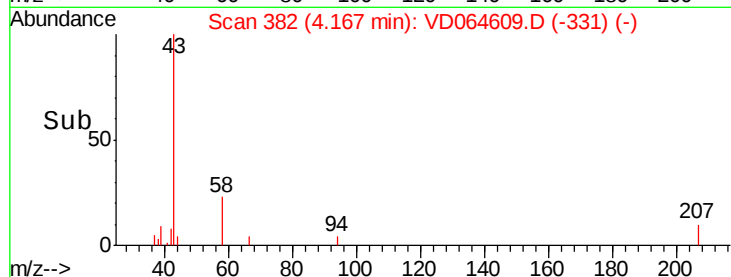
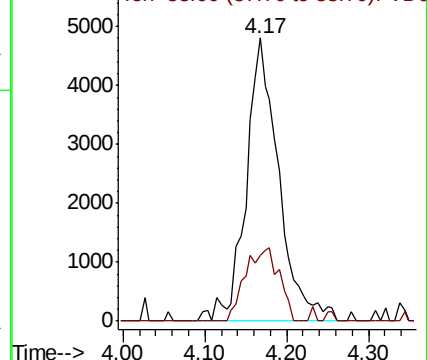
43 100

58 23.4 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 2.087 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064609.D

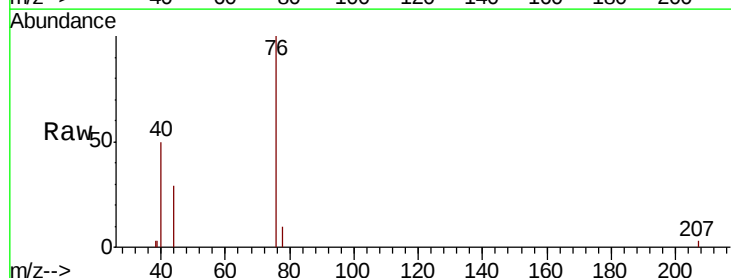
Acq: 26 Dec 2019 19:56

Tgt Ion: 76 Resp: 19898

Ion Ratio Lower Upper

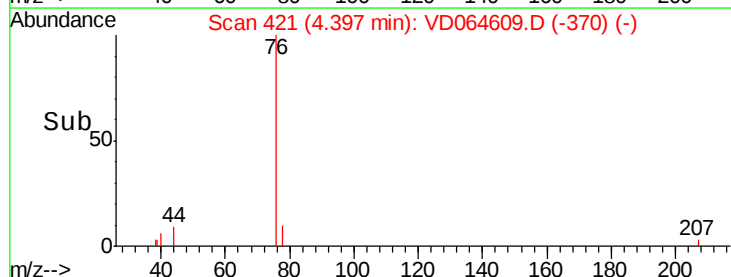
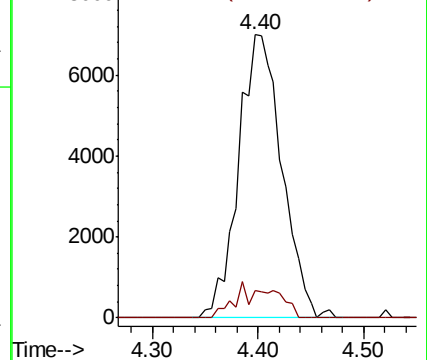
76 100

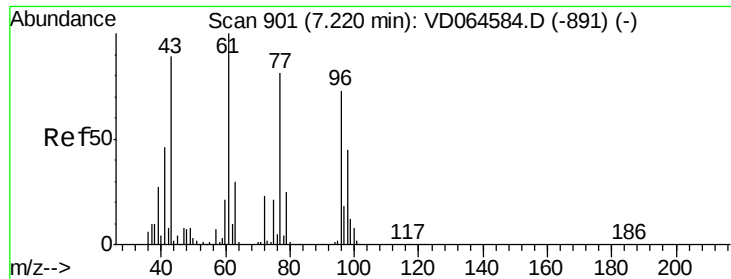
78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

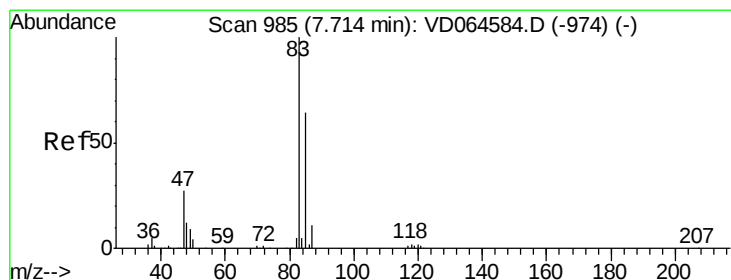
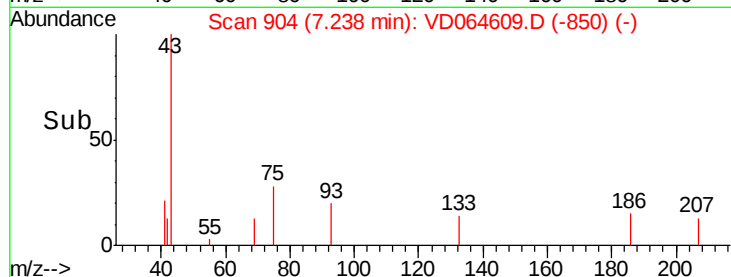
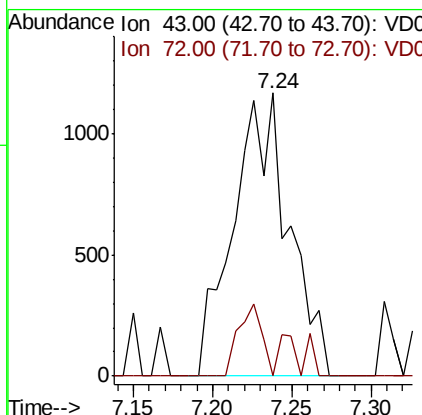
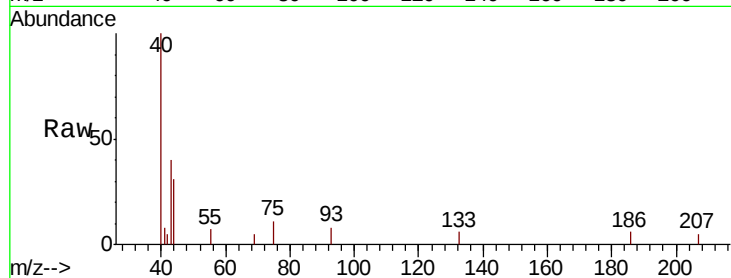




#25
2-Butanone
Concen: 3.505 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

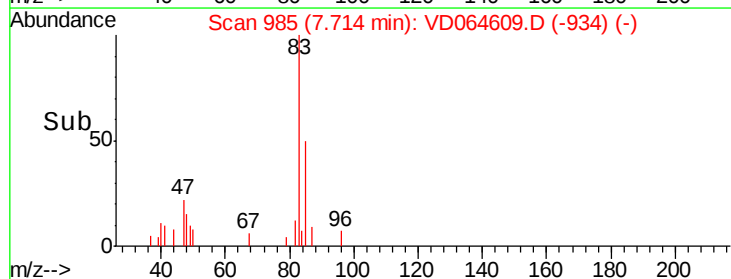
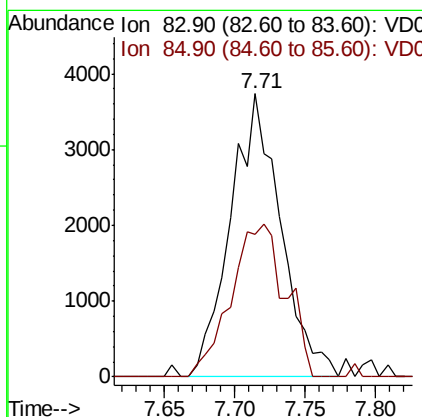
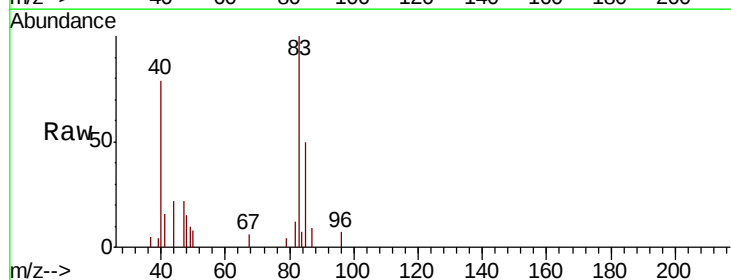
Instrument :
MSVOA_D
ClientSampleId :

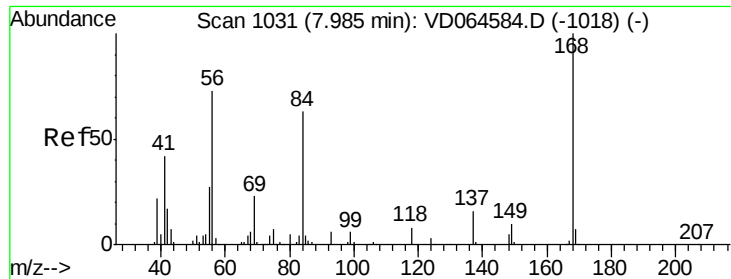
Tot Ion: 43 Resp: 2847
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#30
Chloroform
Concen: 1.608 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

Tgt Ion: 83 Resp: 9289
Ion Ratio Lower Upper
83 100
85 50.2 51.1 76.7#

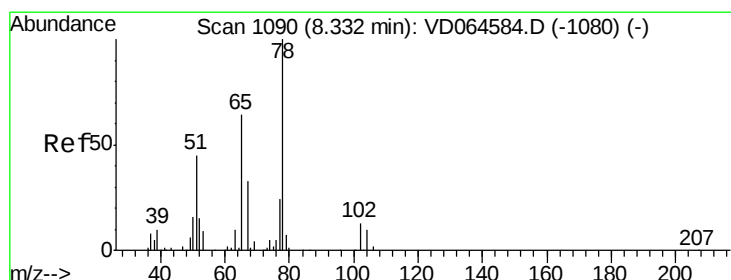
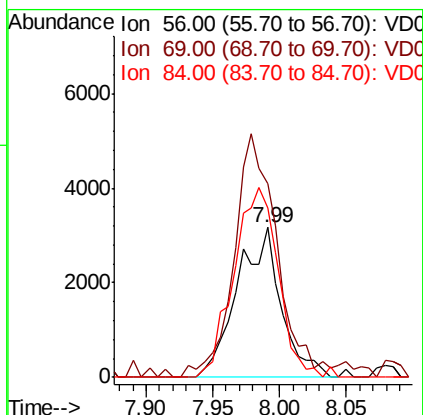
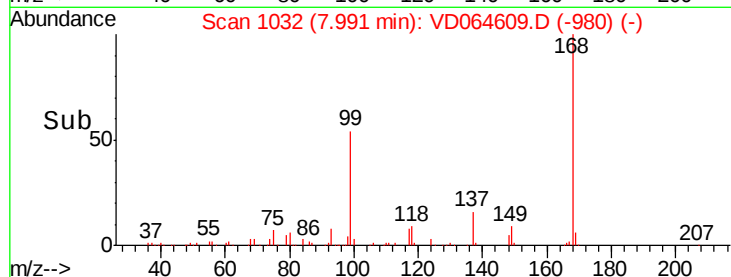
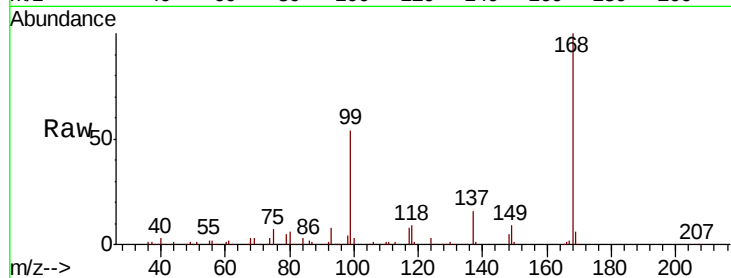




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

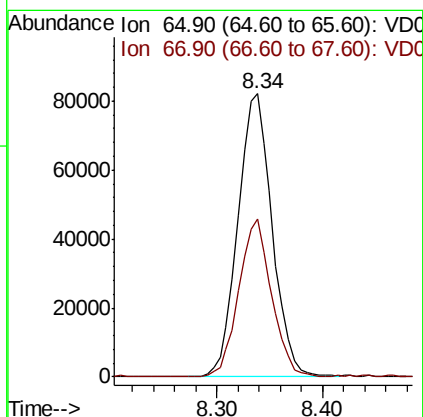
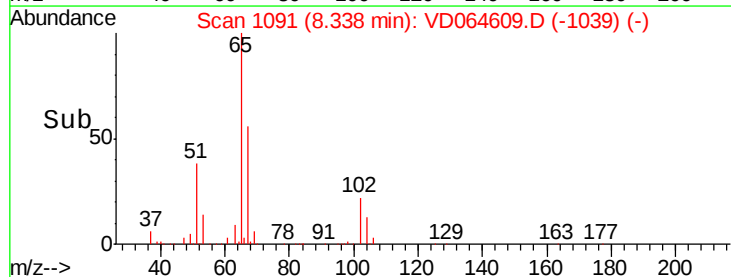
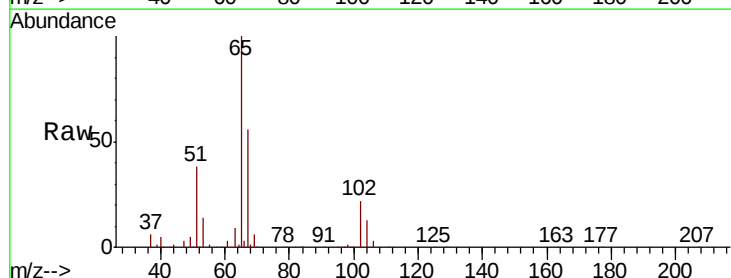
Instrument :
MSVOA_D
ClientSampleId :

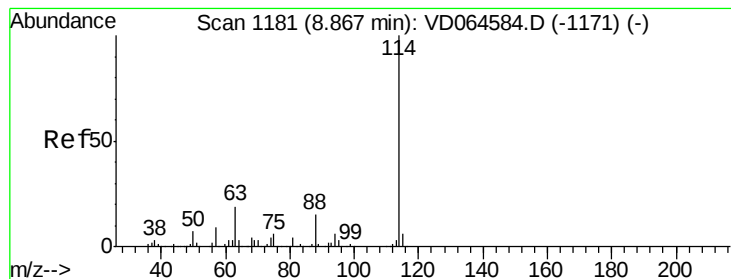
Tot Ion: 56 Resp: 7247
Ion Ratio Lower Upper
56 100
69 121.1 24.7 37.1#
84 113.2 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 62.462 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

Tgt Ion: 65 Resp: 184589
Ion Ratio Lower Upper
65 100
67 53.6 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: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

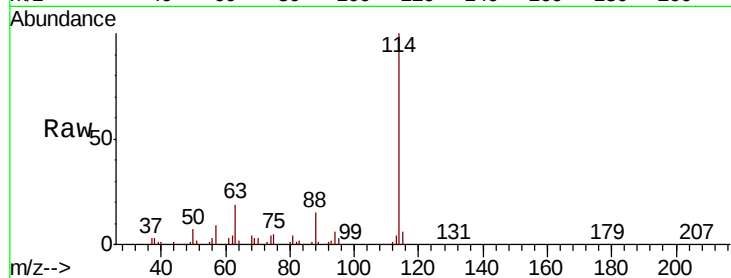
Tot Ion:114 Resp: 530235

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

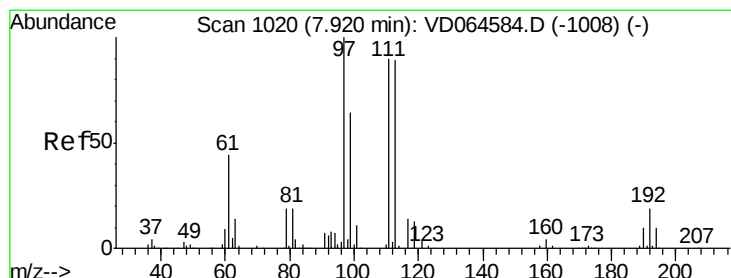
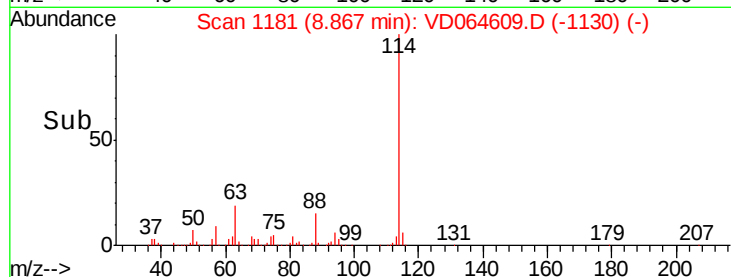
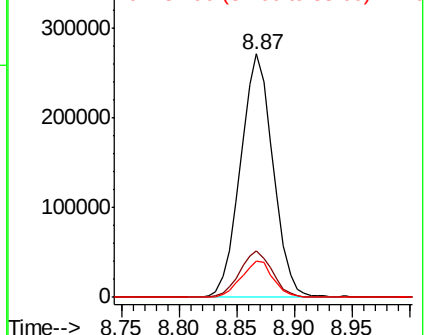
88 14.7 0.0 29.2



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: 53.264 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

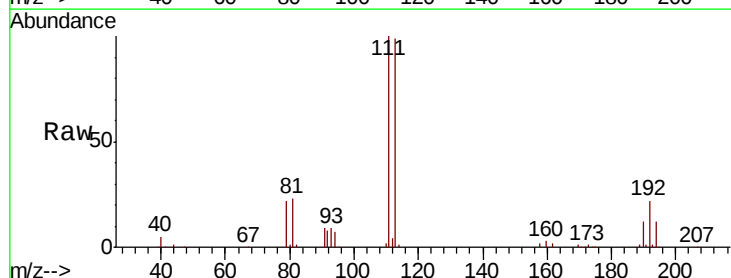
Tgt Ion:113 Resp: 173271

Ion Ratio Lower Upper

113 100

111 102.0 80.6 121.0

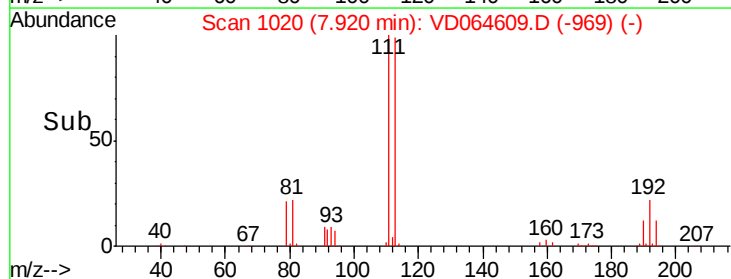
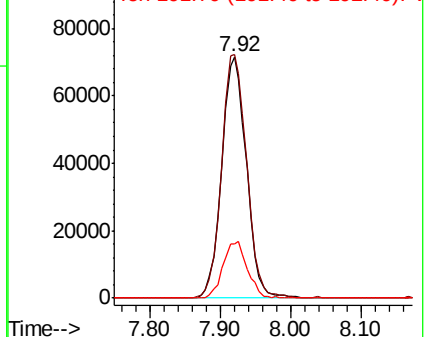
192 23.3 17.9 26.9

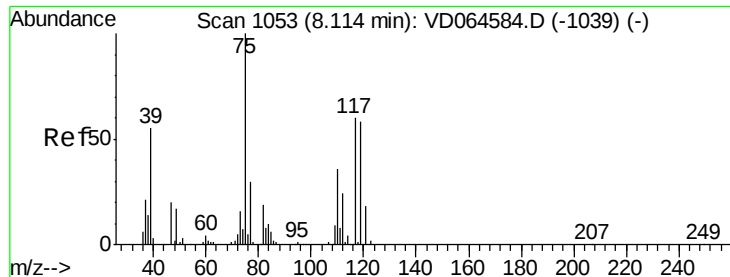


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

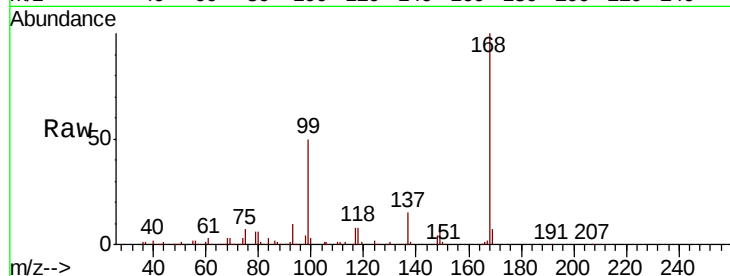
Tot Ion: 75 Resp: 22829

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

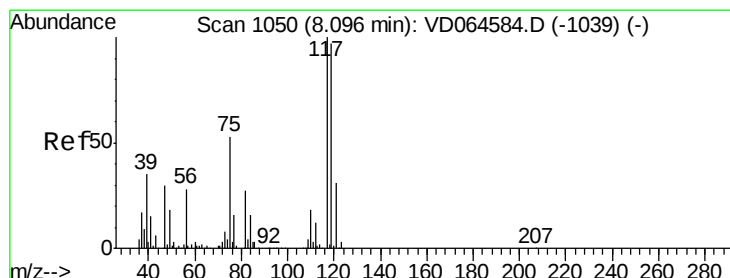
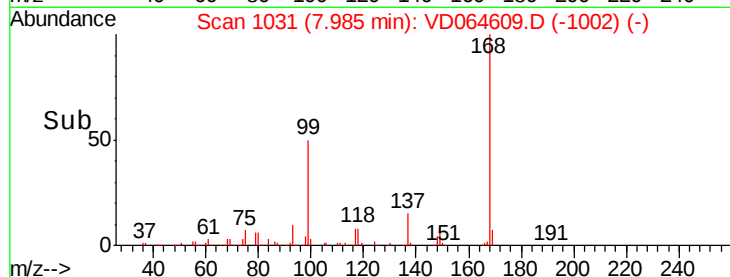
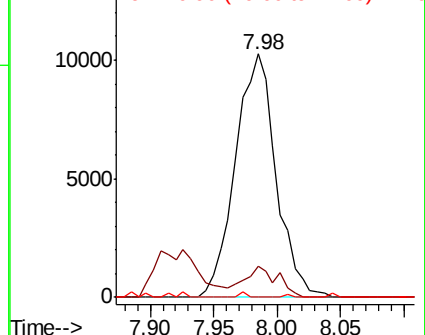
77 0.3 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064584.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD064584.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD064584.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 5.480 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

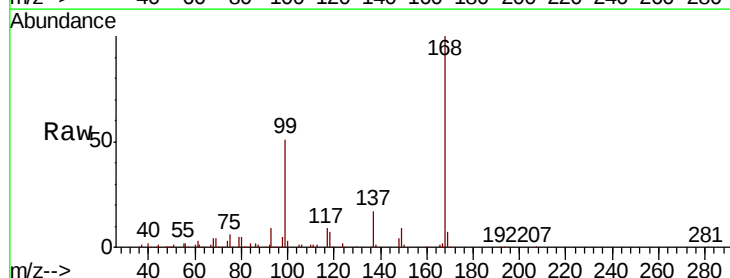
Tgt Ion: 117 Resp: 29819

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

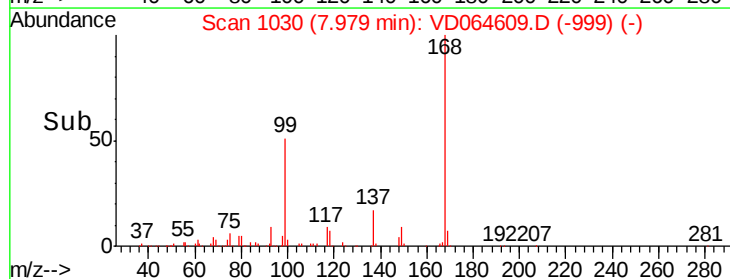
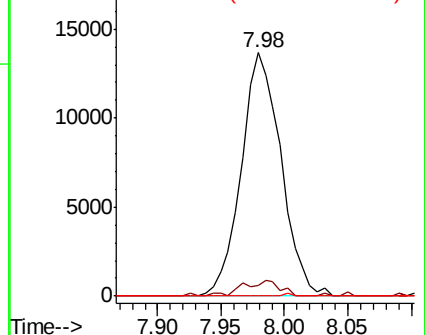
121 0.0 25.0 37.6#

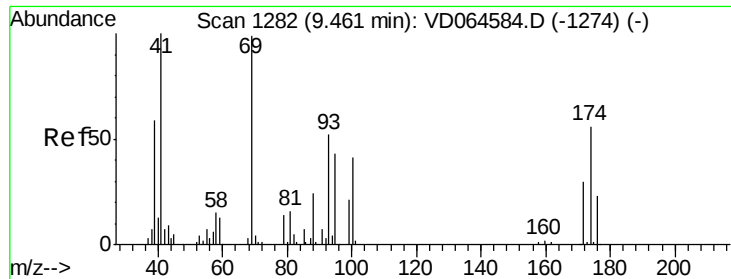


Abundance Ion 116.80 (116.50 to 117.50): VD064584.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD064584.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD064584.D (-1039) (-)

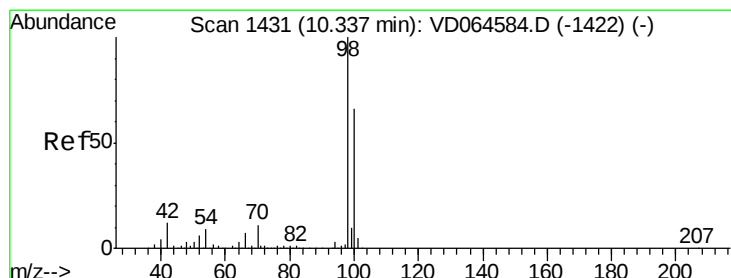
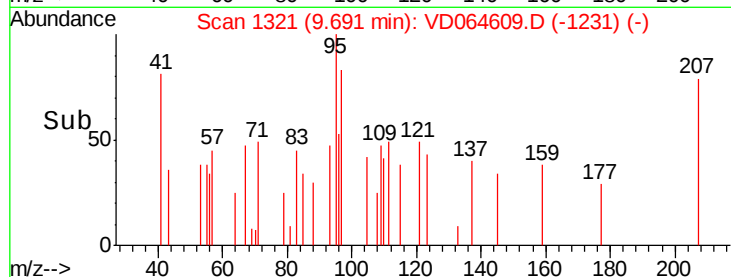
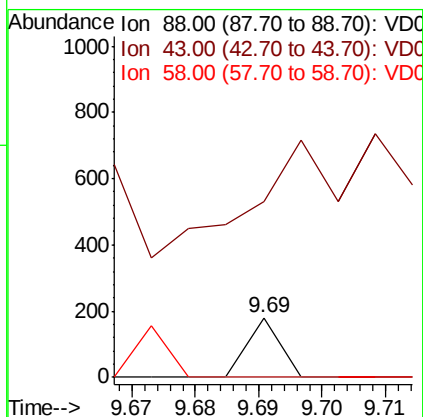
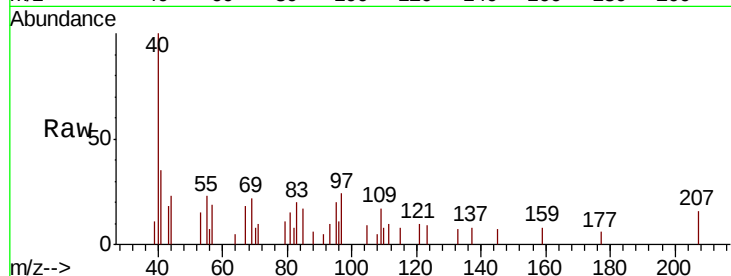




#49
1,4-Dioxane
Concen: 2.993 ug/l
RT: 9.69 min Scan# 1321
Delta R.T. 0.23 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

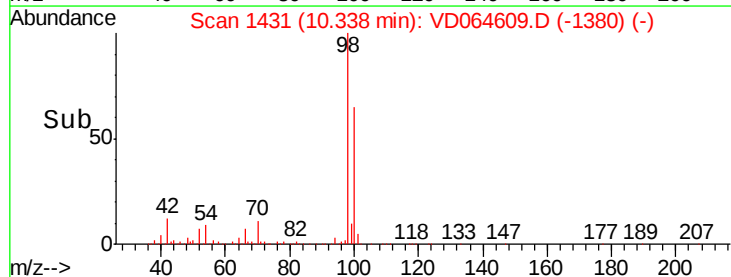
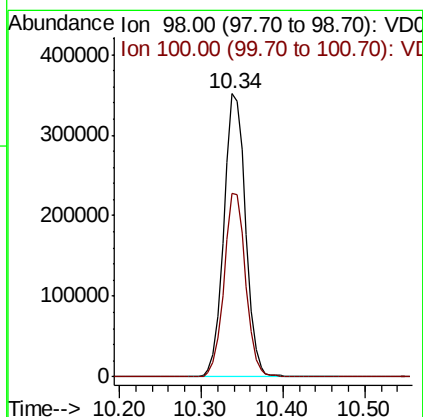
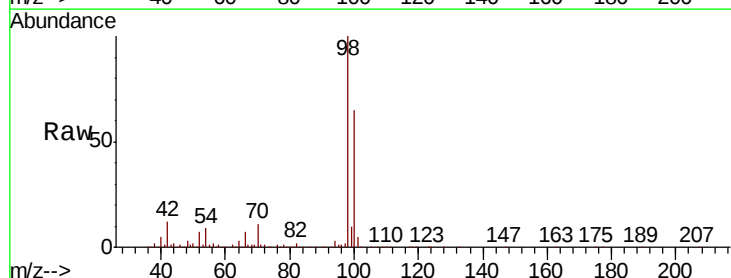
Instrument :
MSVOA_D
ClientSampled :

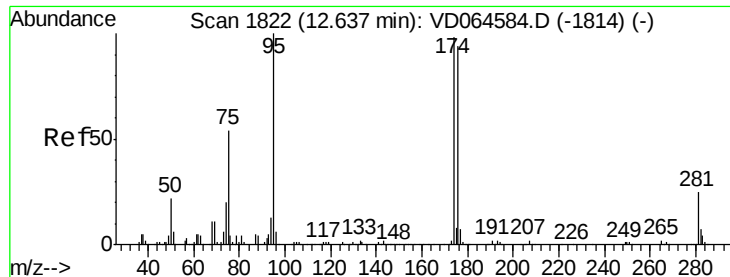
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 242.2 27.7 41.5#
58 0.0 53.8 80.6#



#50
Toluene-d8
Concen: 52.271 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

Tgt Ion: 98 Resp: 651242
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

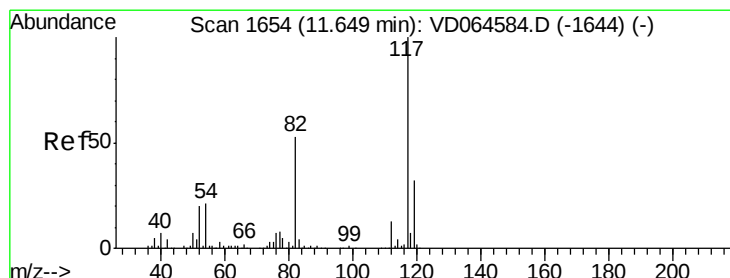
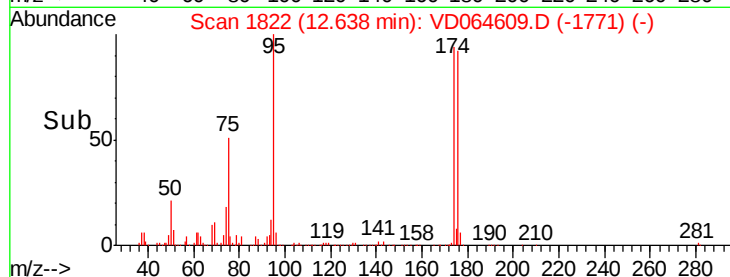
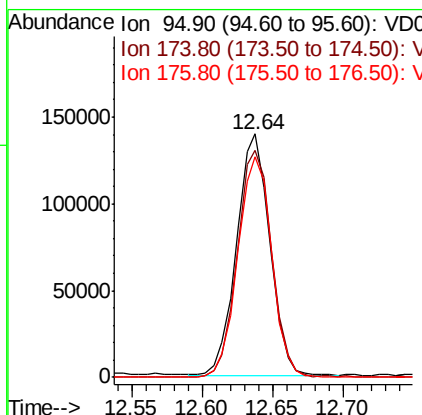
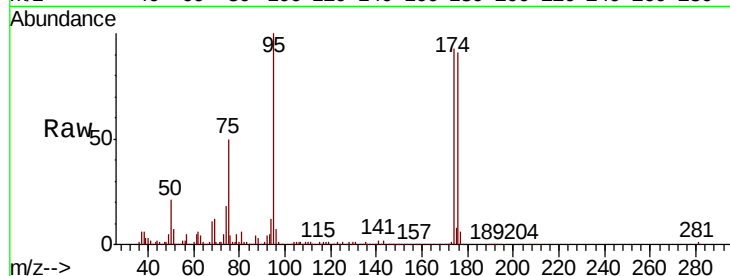




#62
4-Bromofluorobenzene
Concen: 58.529 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

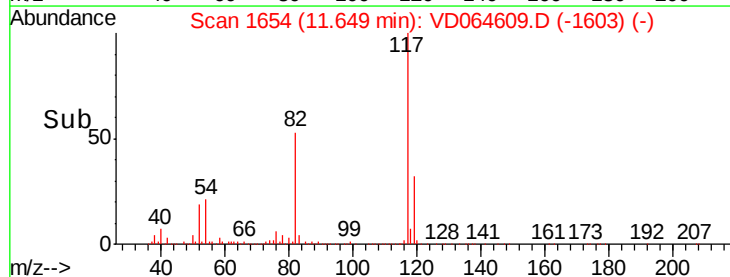
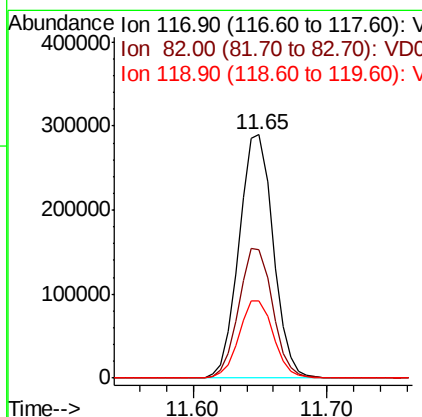
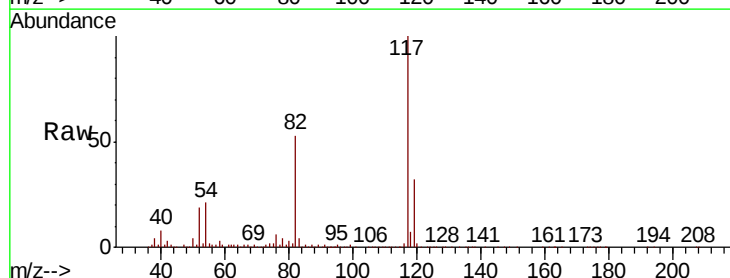
Instrument :
MSVOA_D
ClientSampleId :

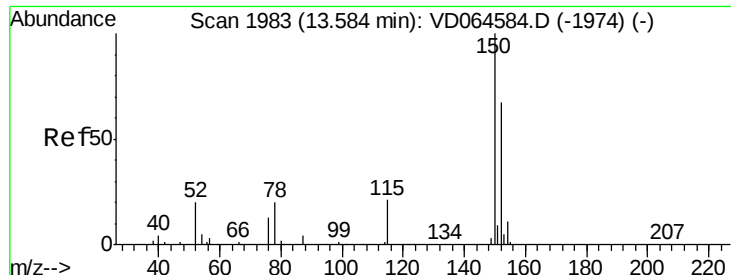
Tot Ion: 95 Resp: 230582
Ion Ratio Lower Upper
95 100
174 97.1 0.0 193.2
176 92.6 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064609.D
Acq: 26 Dec 2019 19:56

Tgt Ion: 117 Resp: 514138
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 31.7 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: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

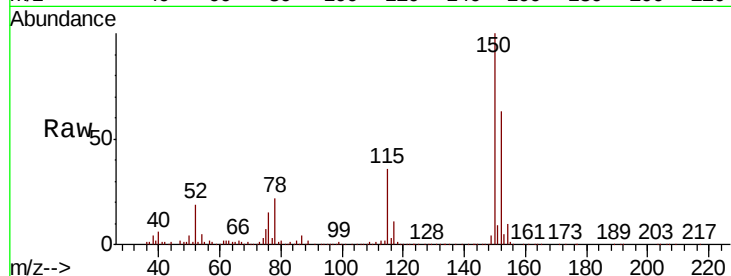
Tot Ion:152 Resp: 260480

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

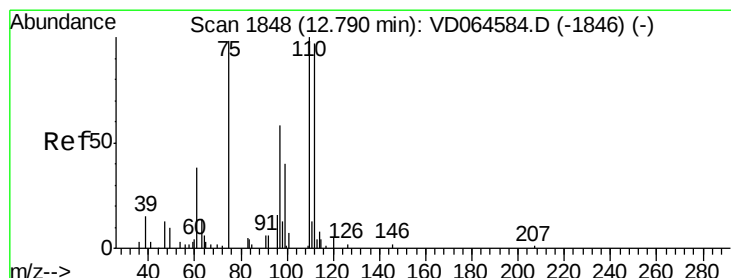
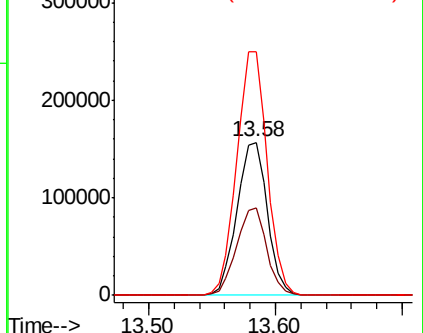
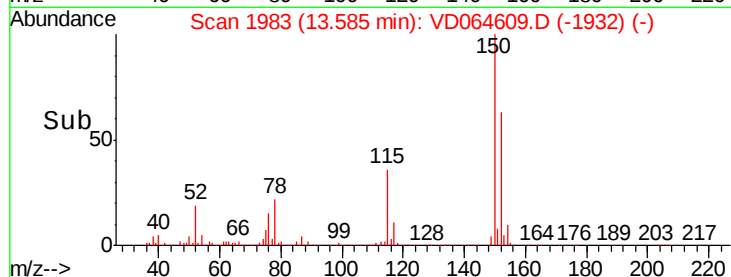
150 158.8 0.0 351.4



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: 58.422 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064609.D

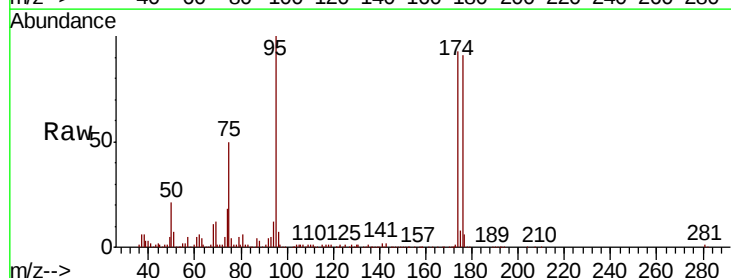
Acq: 26 Dec 2019 19:56

Tgt Ion: 75 Resp: 120168

Ion Ratio Lower Upper

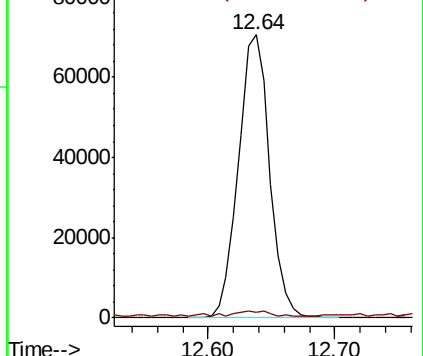
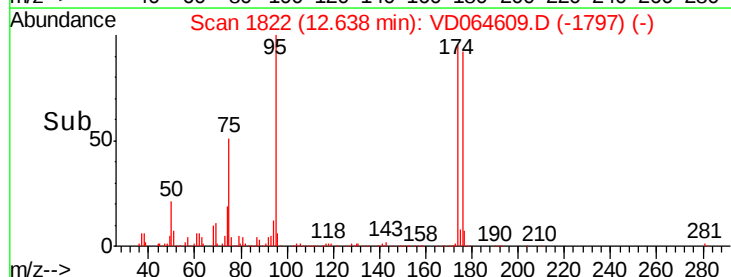
75 100

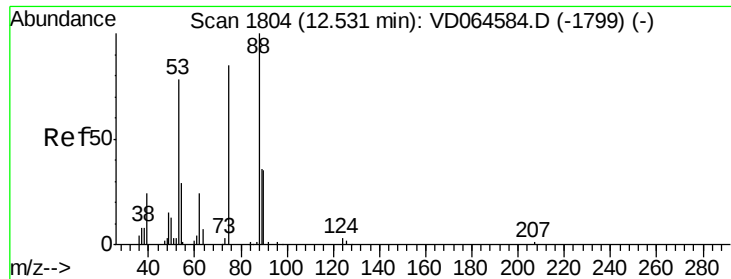
77 1.8 0.0 0.0#



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: 122.187 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064609.D

Acq: 26 Dec 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

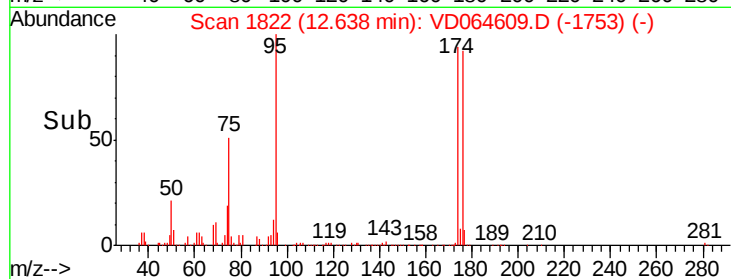
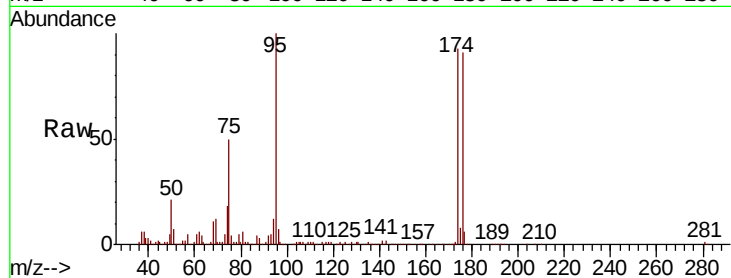
Tot Ion: 75 Resp: 120168

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 38.3 57.5#



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

