

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064621.D
 Acq On : 27 Dec 2019 03:01
 Operator : VA/SY
 Sample : K6439-01
 Misc : 4.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:03:49 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	413400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	645832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286918	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	212626	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	
35) Dibromofluoromethane	7.92	113	208083	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	10.34	98	779846	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.64	95	247318	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

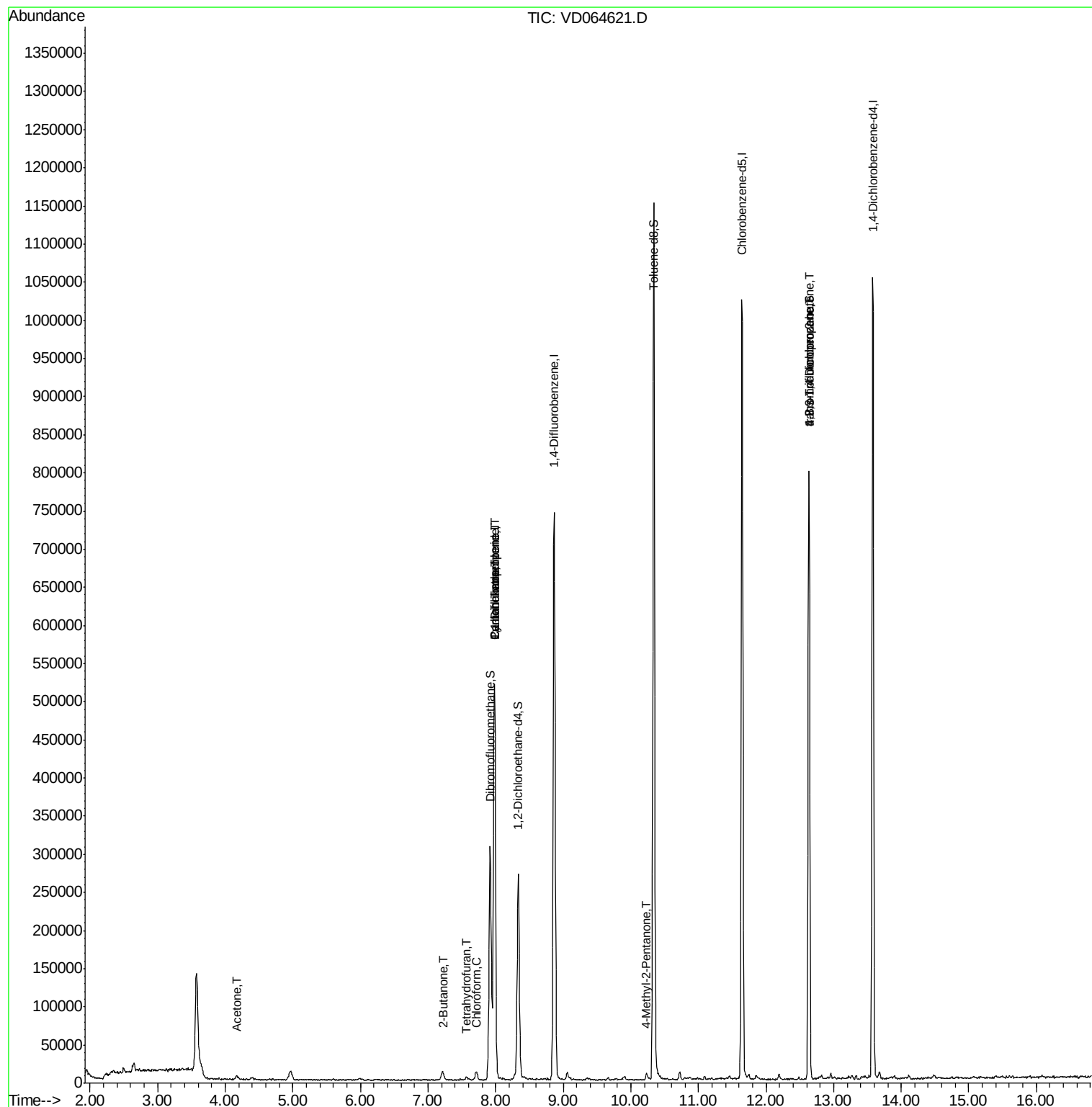
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	8961	14.483	ug/l	93
20) Methylene Chloride	4.97	84	9445	Below Cal		93
25) 2-Butanone	7.23	43	1697	1.694	ug/l #	84
29) Tetrahydrofuran	7.57	42	1581	2.537	ug/l #	58
30) Chloroform	7.72	83	10234	1.437	ug/l	93
31) Cyclohexane	7.98	56	9166	1.349	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	30617	4.925	ug/l #	49
38) Carbon Tetrachloride	7.98	117	39137	5.905	ug/l #	14
51) 4-Methyl-2-Pentanone	10.24	43	6152	2.561	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	132754	58.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132754	122.546	ug/l #	10

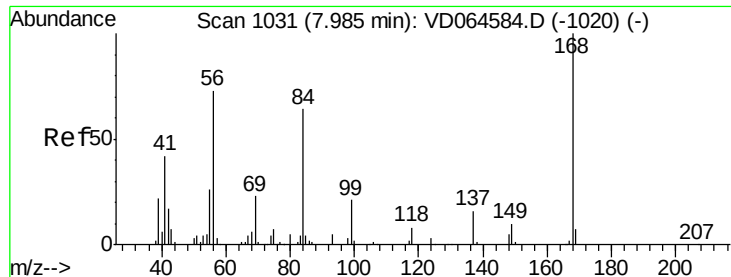
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

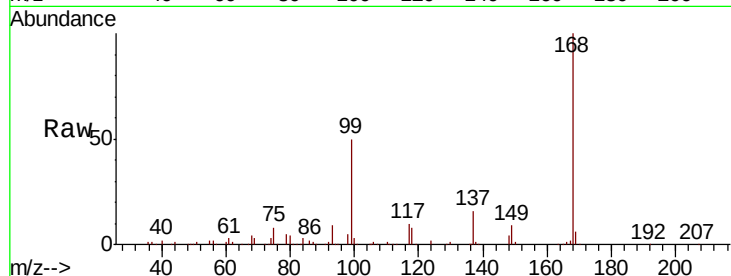
ClientSampleId :

Tot Ion:168 Resp: 413400

Ion Ratio Lower Upper

168 100

99 49.9 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

200000

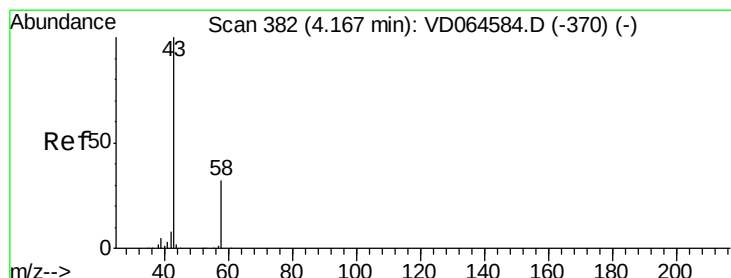
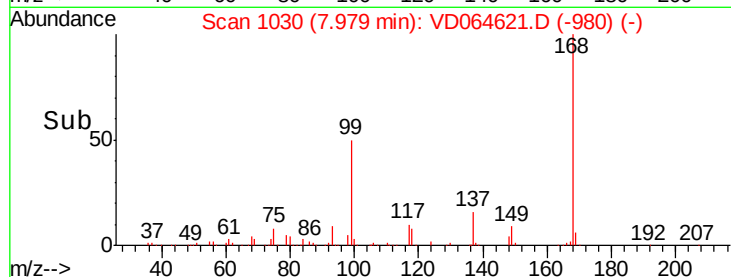
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.483 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064621.D

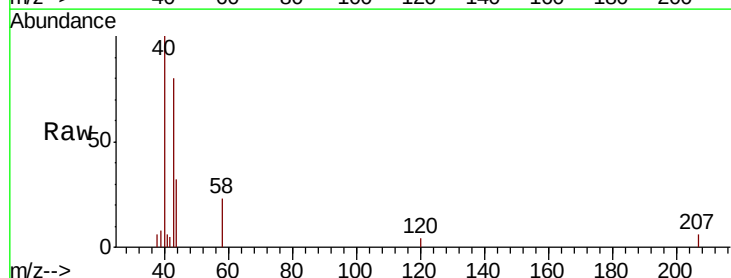
Acq: 27 Dec 2019 03:01

Tgt Ion: 43 Resp: 8961

Ion Ratio Lower Upper

43 100

58 28.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

3000

2500

2000

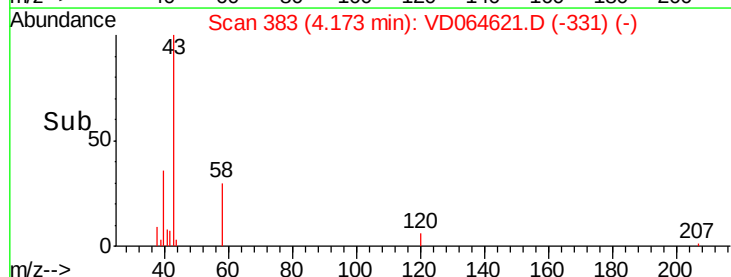
1500

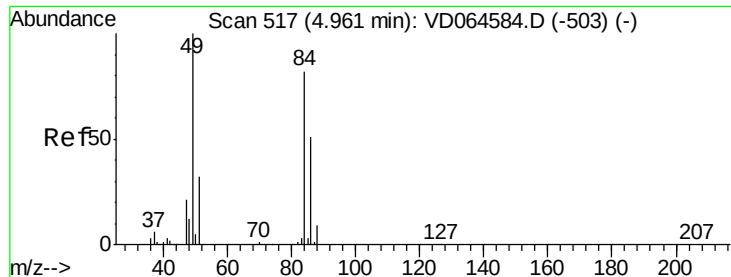
1000

500

0

Time-->

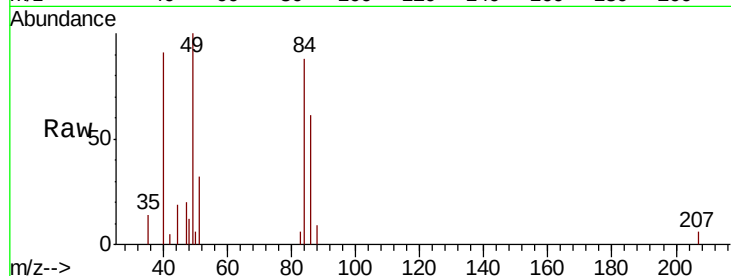




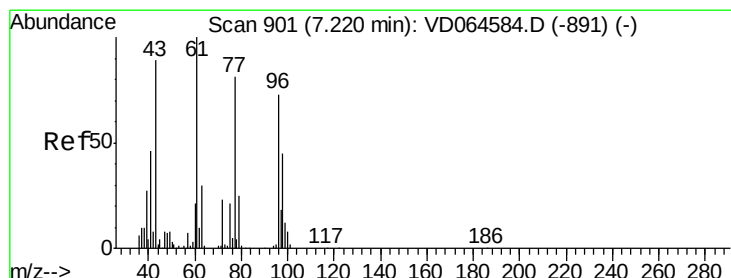
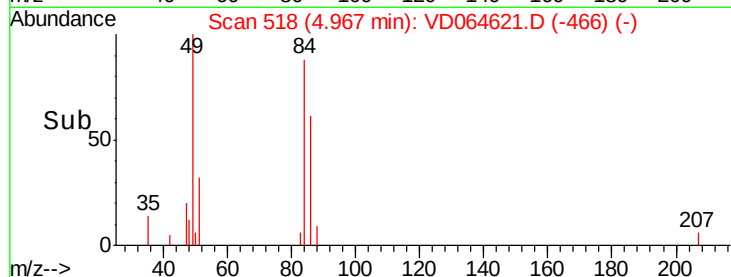
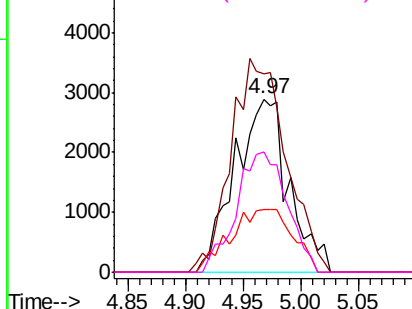
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 9445
Ion Ratio Lower Upper
84 100
49 114.3 97.2 145.8
51 36.3 31.4 47.0
86 69.3 49.3 73.9

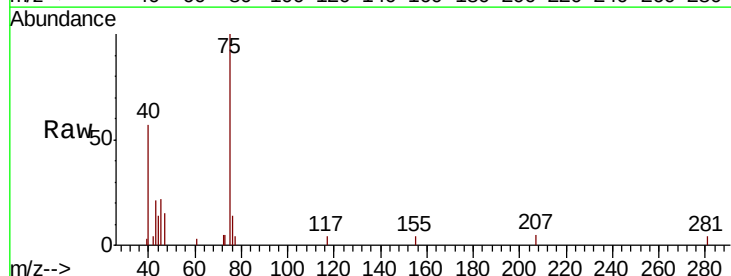


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

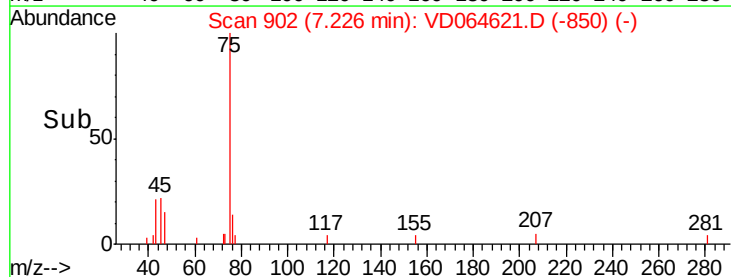
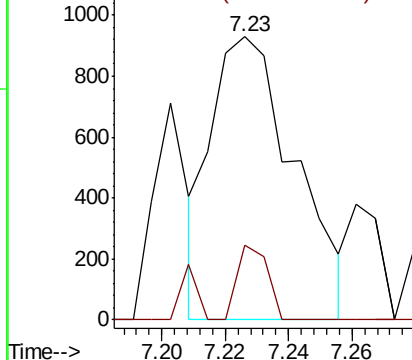


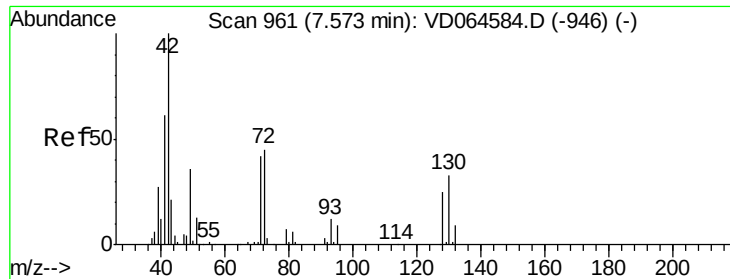
#25
2-Butanone
Concen: 1.694 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
72 34.1 20.7 31.1#



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

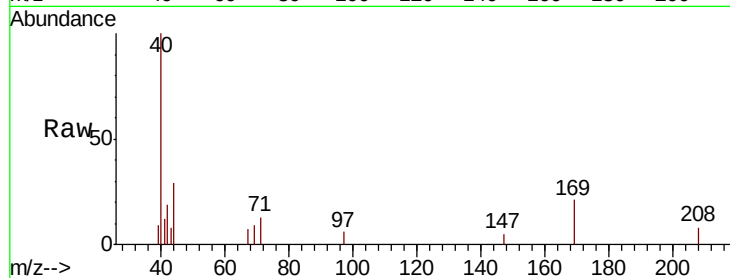




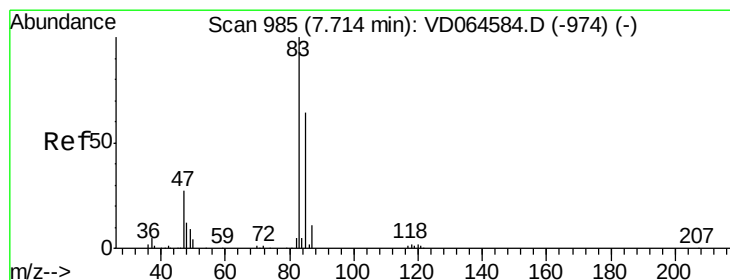
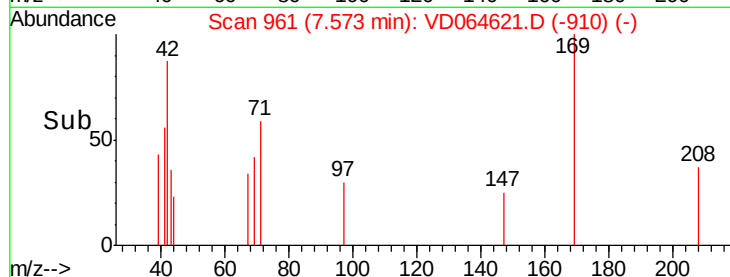
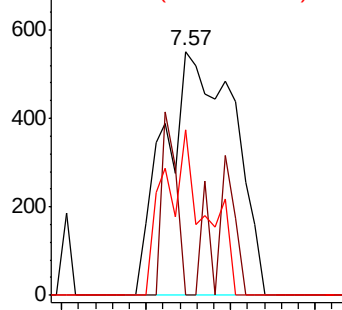
#29
Tetrahydrofuran
Concen: 2.537 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 1581
Ion Ratio Lower Upper
42 100
72 15.7 35.0 52.4#
71 15.6 32.9 49.3#

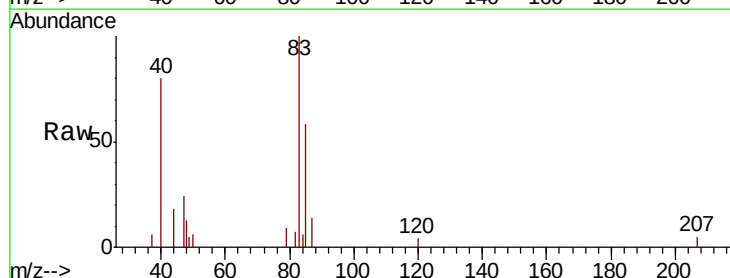


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

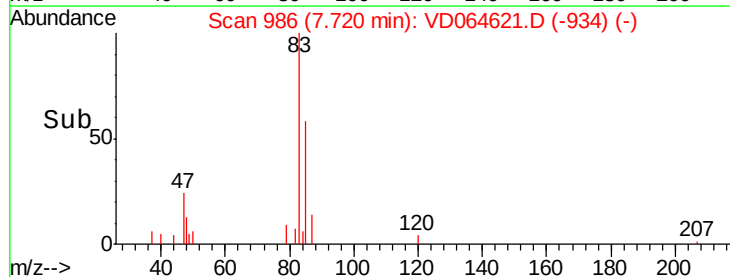
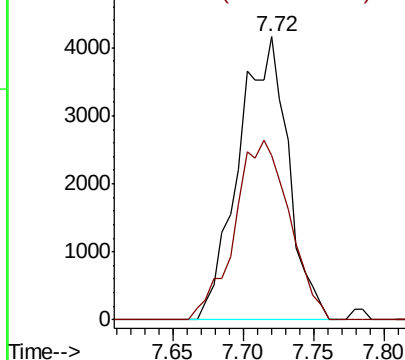


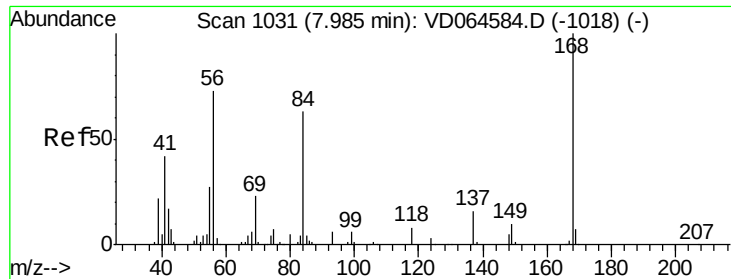
#30
Chloroform
Concen: 1.437 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Tgt Ion: 83 Resp: 10234
Ion Ratio Lower Upper
83 100
85 58.1 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: 1.349 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

ClientSampled :

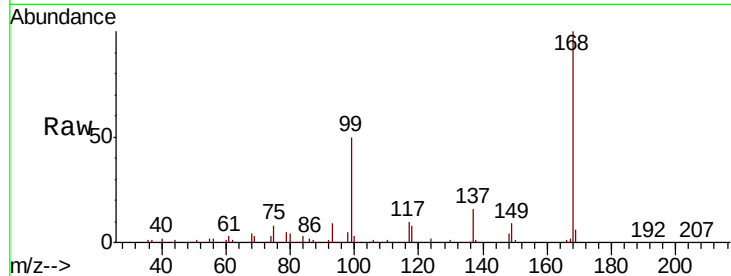
Tot Ion: 56 Resp: 9166

Ion Ratio Lower Upper

56 100

69 140.8 24.7 37.1#

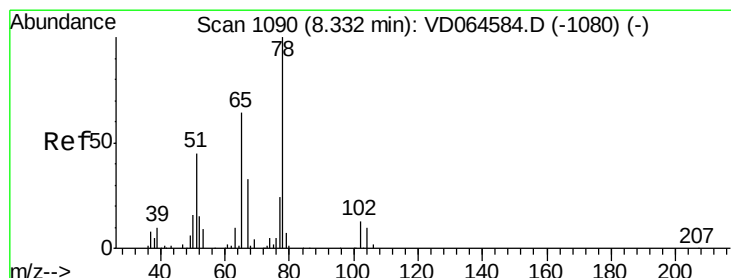
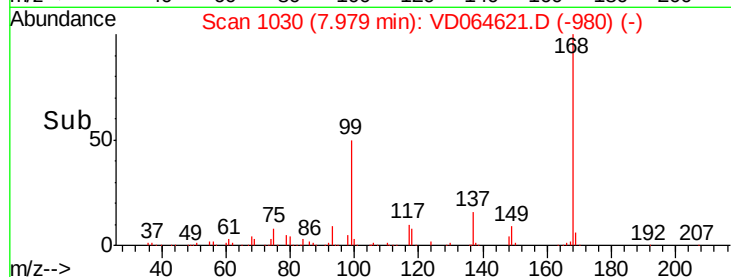
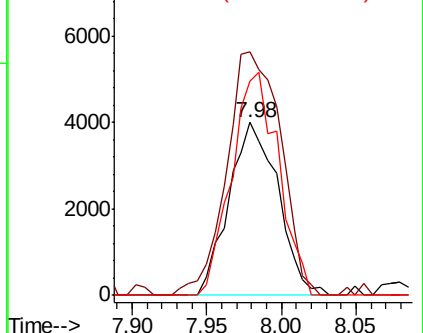
84 123.6 69.4 104.2#



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: 58.329 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064621.D

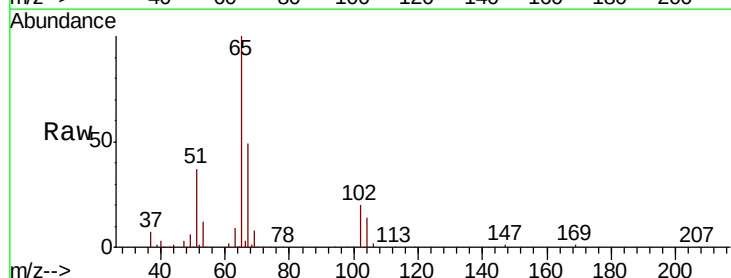
Acq: 27 Dec 2019 03:01

Tgt Ion: 65 Resp: 212626

Ion Ratio Lower Upper

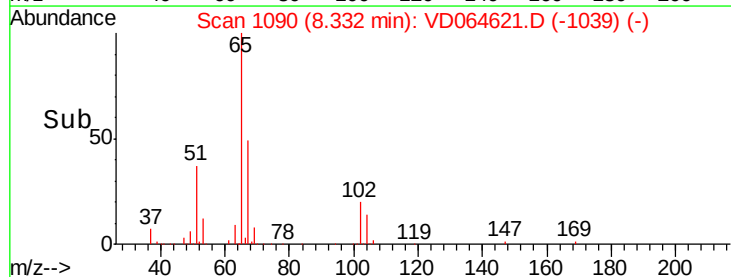
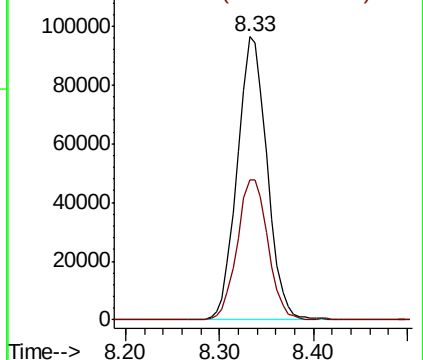
65 100

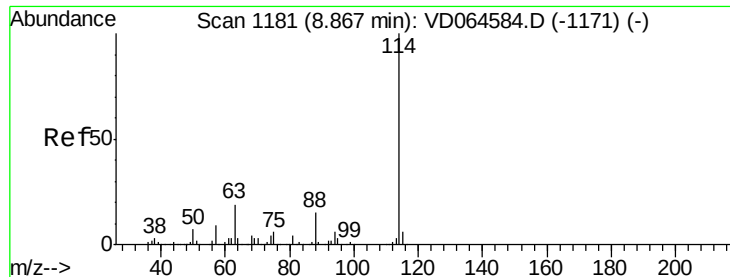
67 50.9 0.0 106.2



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: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

ClientSampleId :

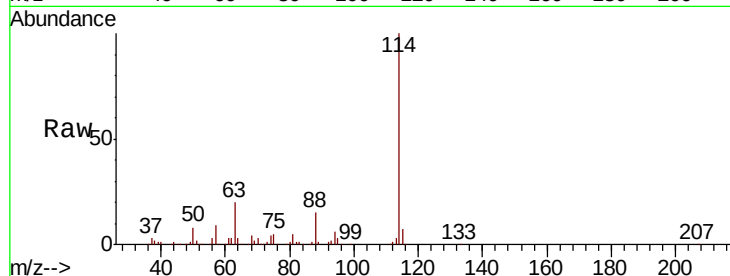
Tot Ion:114 Resp: 645832

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

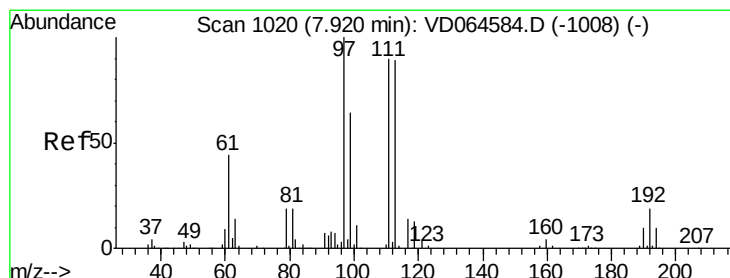
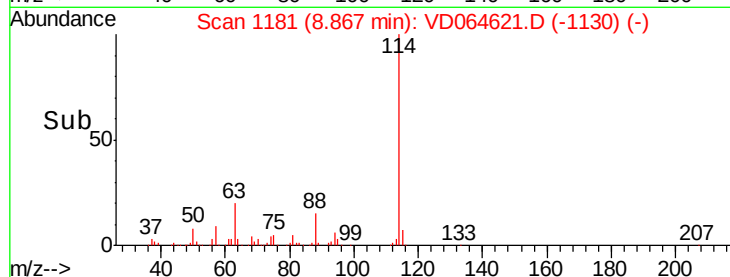
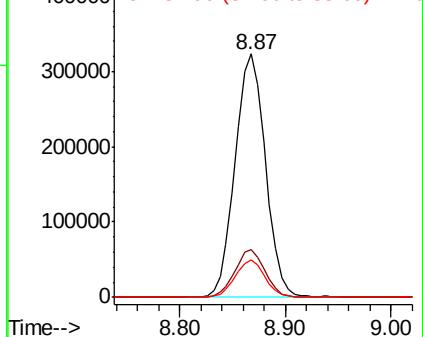
88 15.2 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 52.516 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

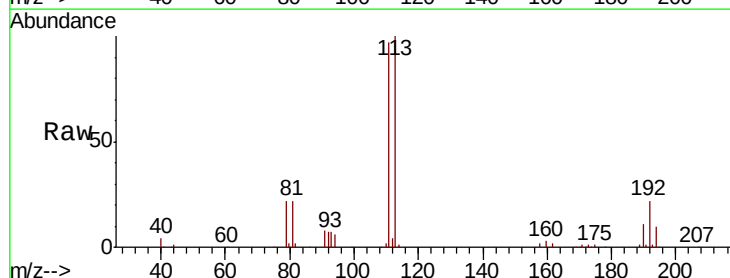
Tgt Ion:113 Resp: 208083

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

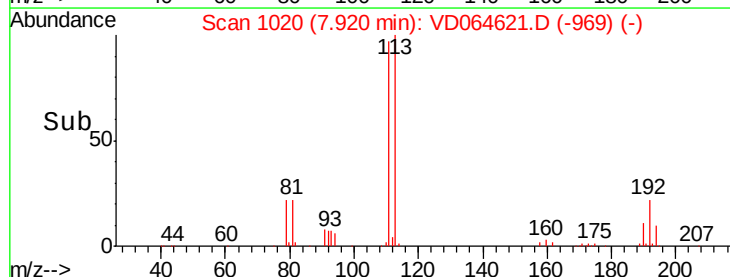
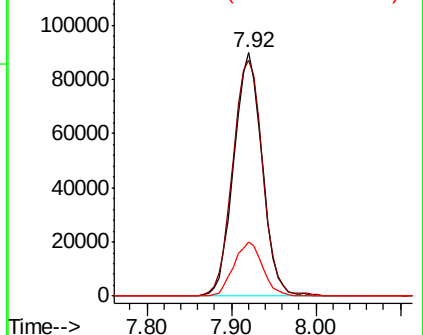
192 22.6 17.9 26.9

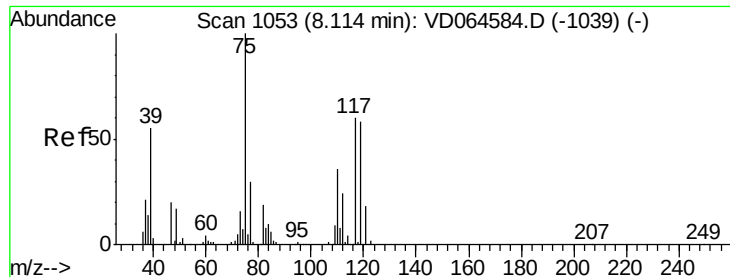


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.925 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

ClientSampleId :

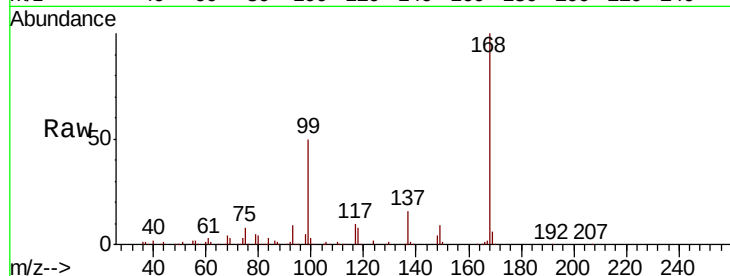
Tot Ion: 75 Resp: 30617

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

77 0.0 24.2 36.4#

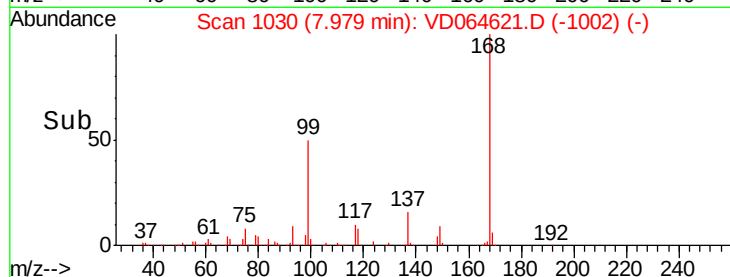


Abundance Ion 74.90 (74.60 to 75.60): VD064584.D (-1039) (-)

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

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

Time-->

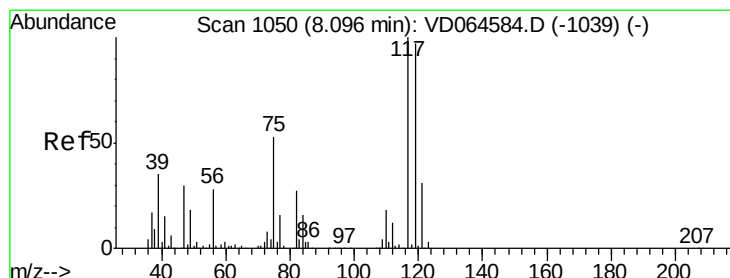


Abundance Ion 74.90 (74.60 to 75.60): VD064584.D (-1039) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 5.905 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

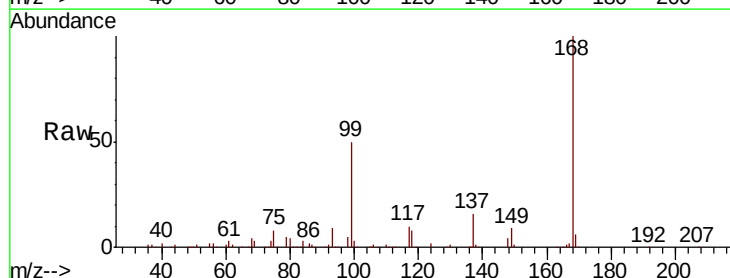
Tgt Ion: 117 Resp: 39137

Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 25.0 37.6#

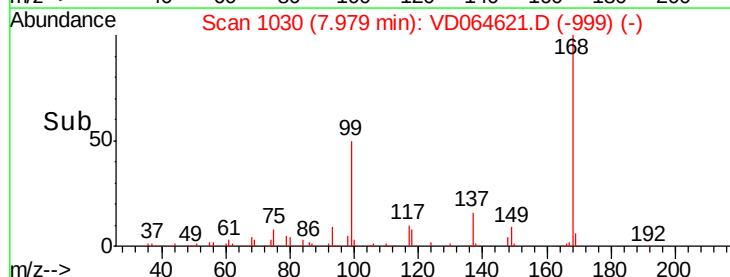


Abundance Ion 116.80 (116.50 to 117.50): VD064584.D (-1039) (-)

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

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

Time-->

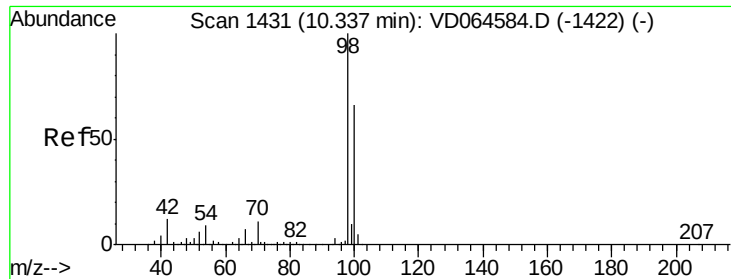


Abundance Ion 116.80 (116.50 to 117.50): VD064584.D (-1039) (-)

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

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

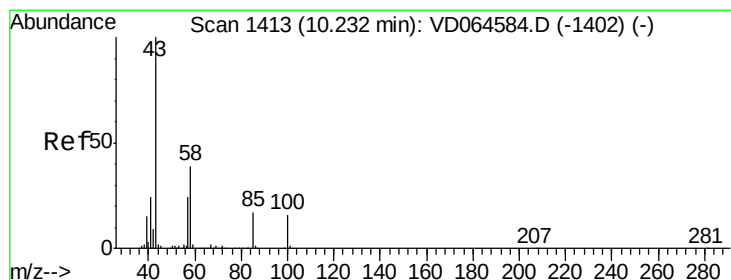
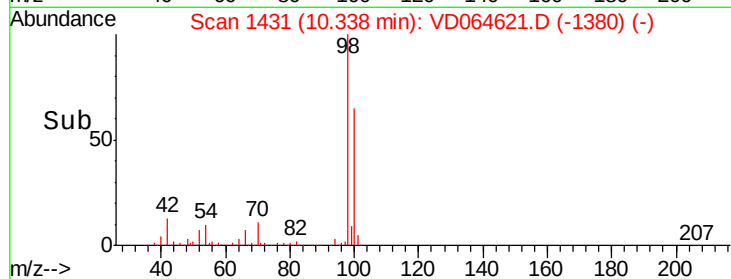
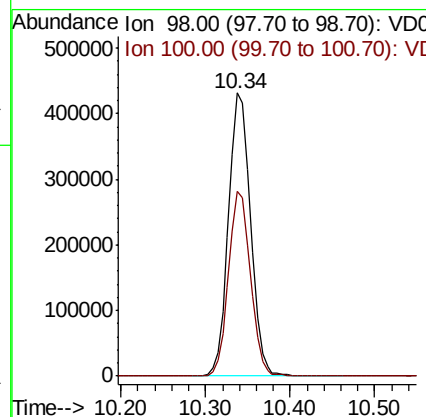
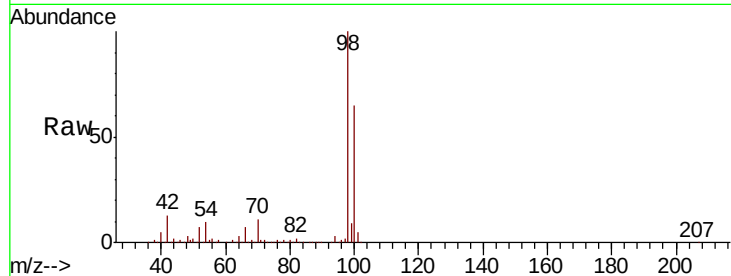
Time-->



#50
Toluene-d8
Concen: 51.390 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

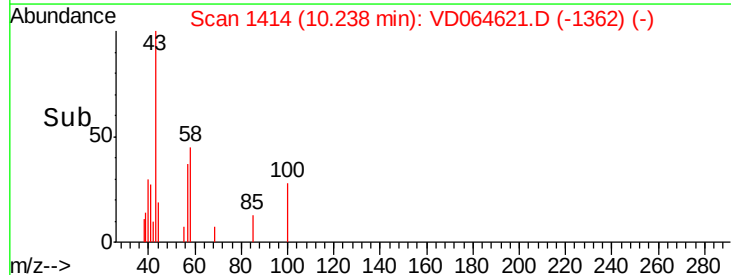
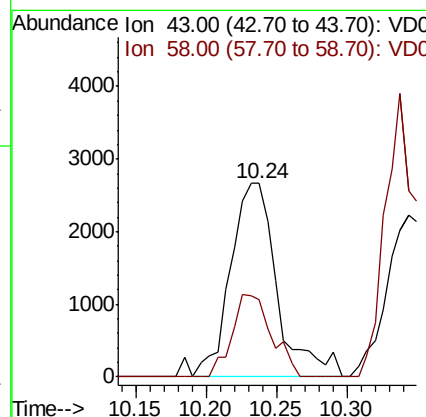
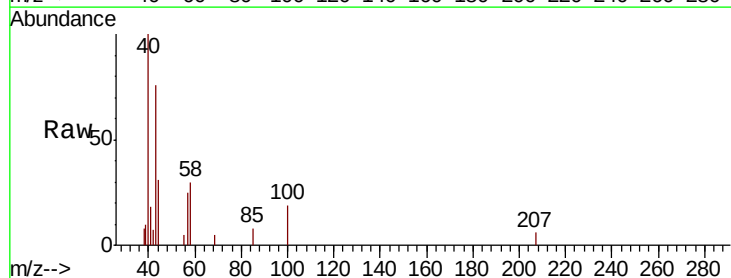
Instrument :
MSVOA_D
ClientSampleId :

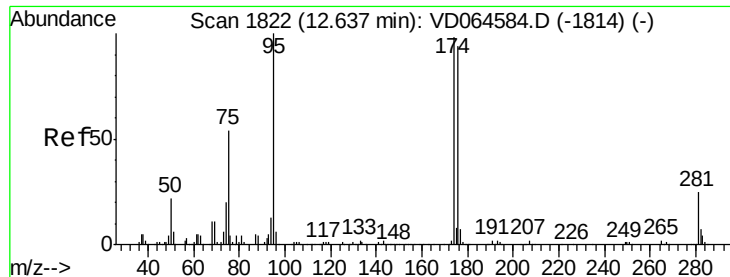
Tot Ion: 98 Resp: 779846
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.561 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Tgt Ion: 43 Resp: 6152
Ion Ratio Lower Upper
43 100
58 36.0 30.2 45.2

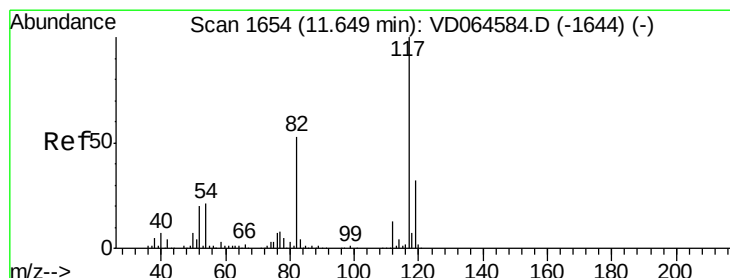
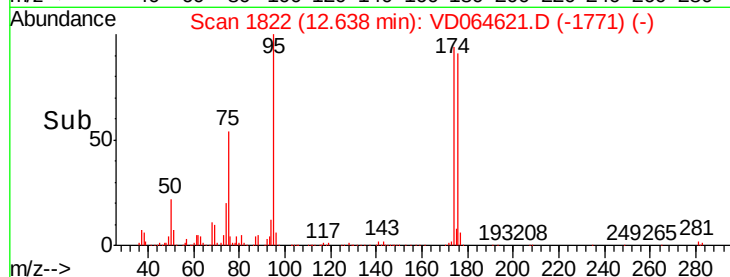
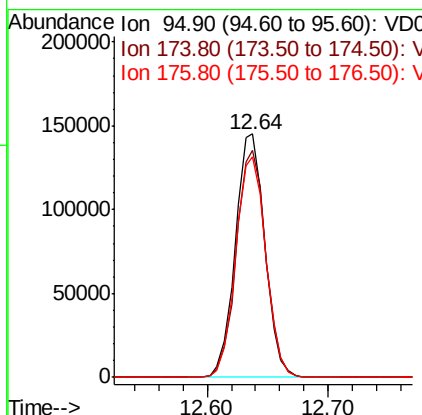
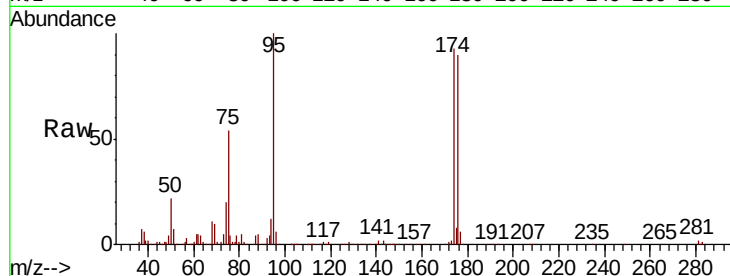




#62
4-Bromofluorobenzene
Concen: 51.540 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

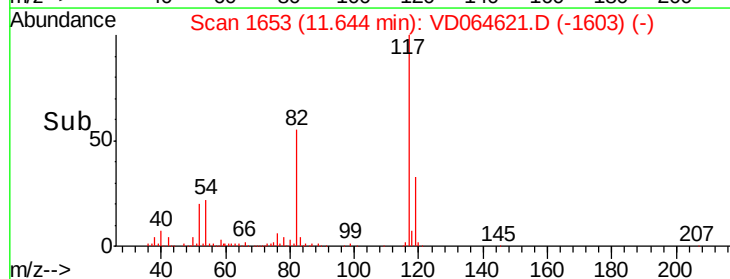
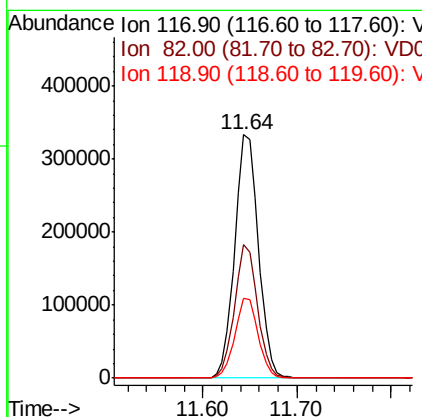
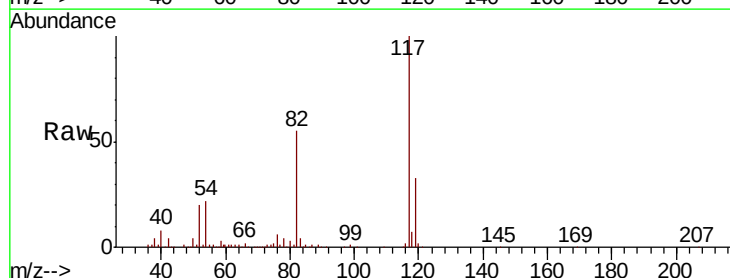
Instrument :
MSVOA_D
ClientSampleId :

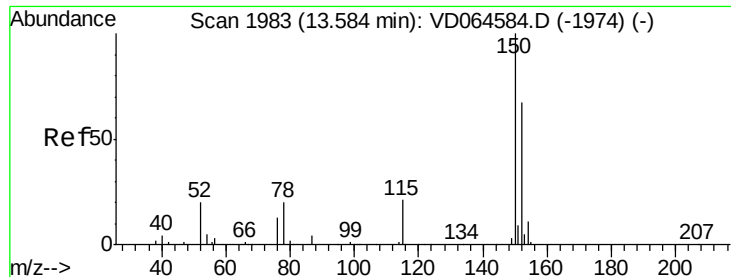
Tot Ion	95	Resp	247318
Ion Ratio	100		
Lower			
Upper			
95	100		
174	93.3	0.0	193.2
176	92.2	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064621.D
Acq: 27 Dec 2019 03:01

Tgt Ion	117	Resp	584663
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
117	100		
82	54.7	42.2	63.4
119	32.6	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

ClientSampleId :

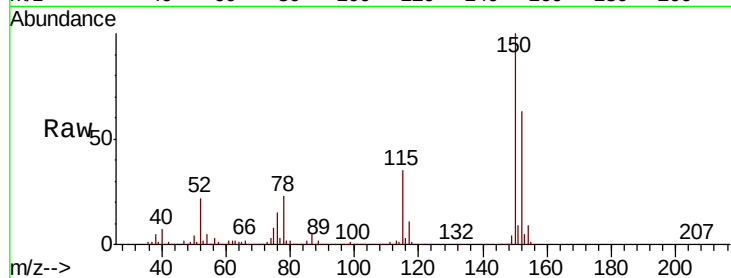
Tot Ion:152 Resp: 286918

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.4

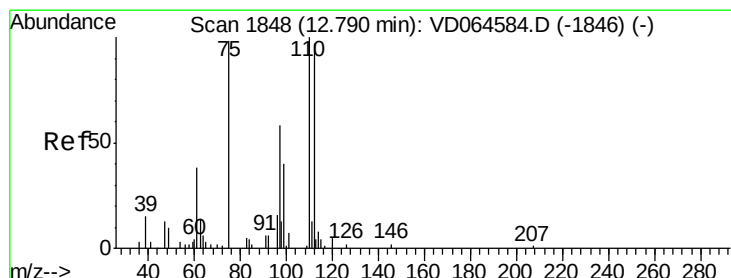
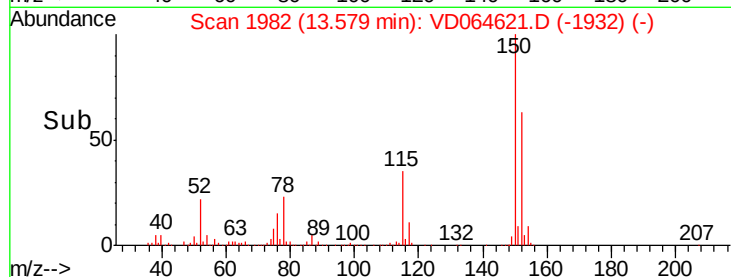
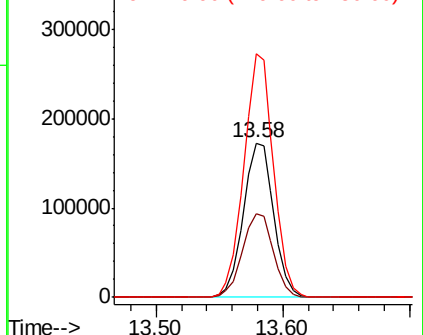
150 153.8 0.0 351.4



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: 58.593 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064621.D

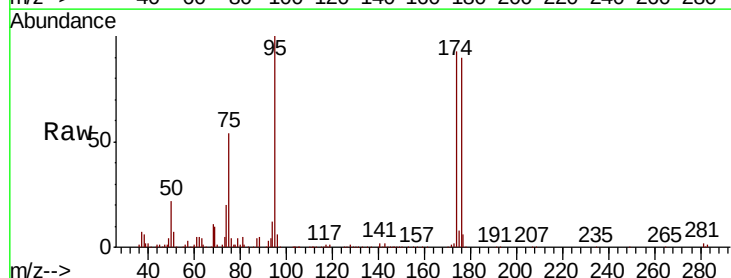
Acq: 27 Dec 2019 03:01

Tgt Ion: 75 Resp: 132754

Ion Ratio Lower Upper

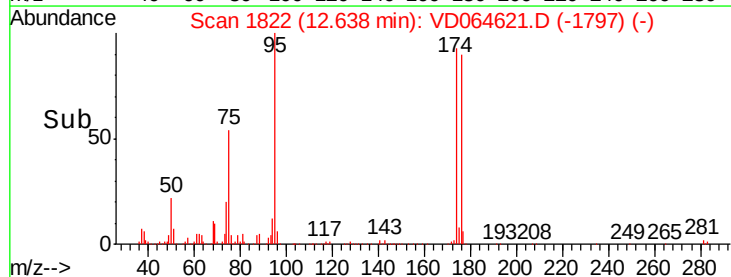
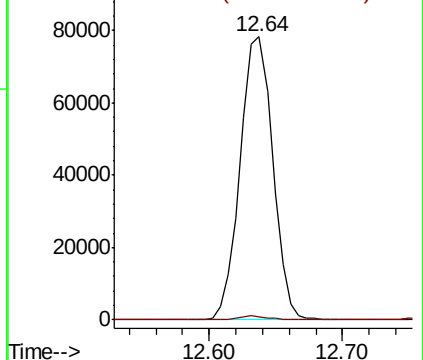
75 100

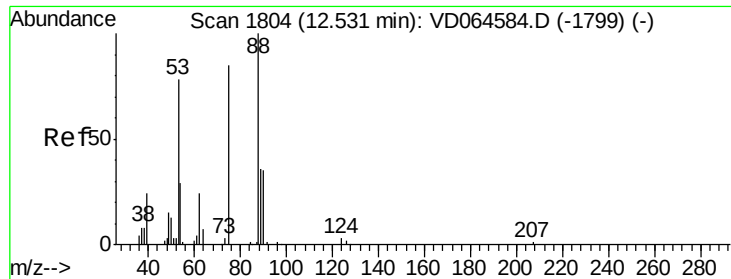
77 1.5 0.0 0.0#



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: 122.546 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064621.D

Acq: 27 Dec 2019 03:01

Instrument :

MSVOA_D

ClientSampleId :

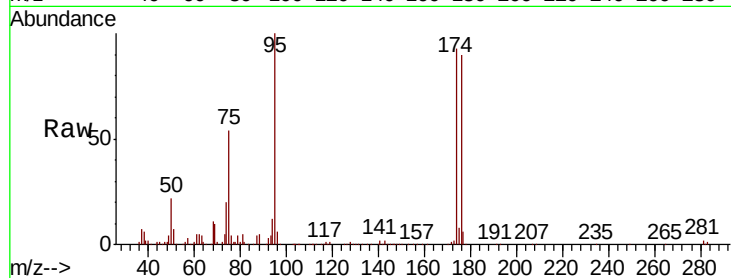
Tot Ion: 75 Resp: 132754

Ion Ratio Lower Upper

75 100

53 0.1 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

