

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064740.D
 Acq On : 03 Jan 2020 18:00
 Operator : VA/SY
 Sample : K6471-03
 Misc : 5.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:48:05 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	106224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	167594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	160203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	77420	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	74164	79.18	ug/l	0.00
Spiked Amount			Recovery	=	158.36%	
35) Dibromofluoromethane	7.92	113	61585	59.89	ug/l	0.00
Spiked Amount			Recovery	=	119.78%	
50) Toluene-d8	10.34	98	201793	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.64	95	67094	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	

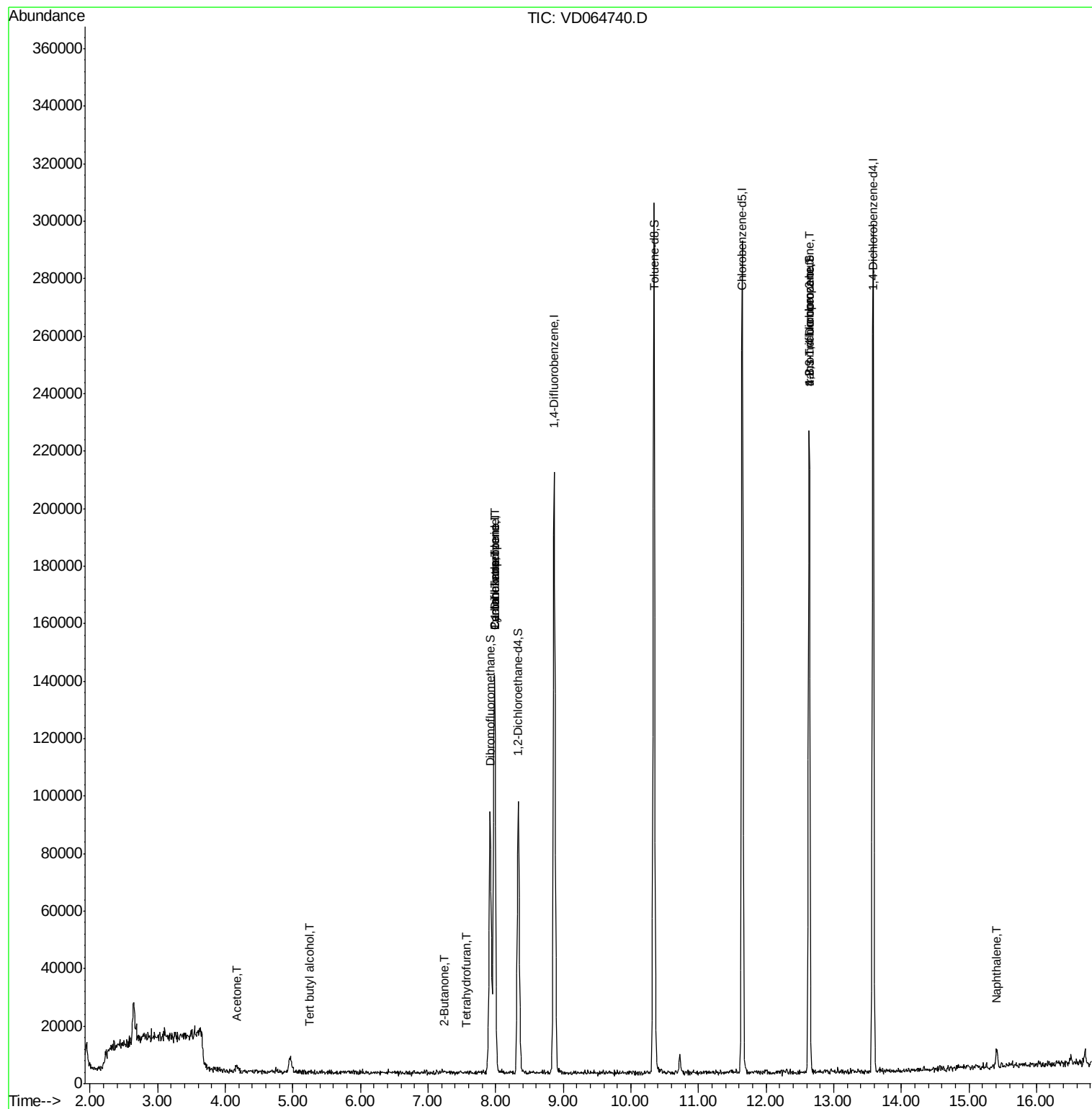
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	213	3.968	ug/l #	70
16) Acetone	4.18	43	3452	19.654	ug/l	98
20) Methylene Chloride	4.97	84	4359	Below Cal	#	74
25) 2-Butanone	7.24	43	661	2.567	ug/l #	49
29) Tetrahydrofuran	7.57	42	274	1.711	ug/l #	33
31) Cyclohexane	7.98	56	2386	1.366	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	8001	4.960	ug/l #	46
38) Carbon Tetrachloride	7.98	117	10286	5.980	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	35202	57.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	35202	120.427	ug/l #	10
95) Naphthalene	15.41	128	6575	2.554	ug/l	96

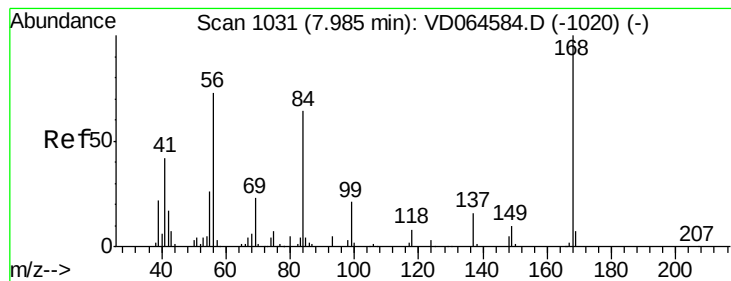
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 06 06:48:05 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: VD064740.D

Acq: 03 Jan 2020 18:00

Instrument :

MSVOA_D

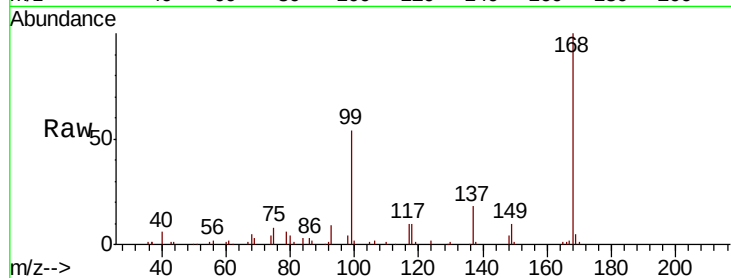
ClientSampleId :

Tot Ion:168 Resp: 106224

Ion Ratio Lower Upper

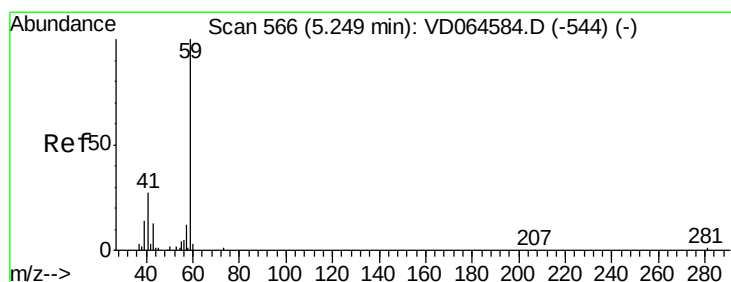
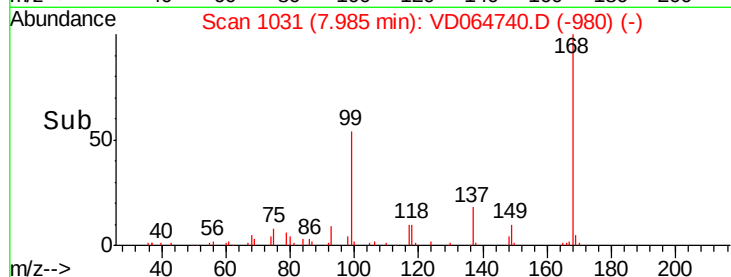
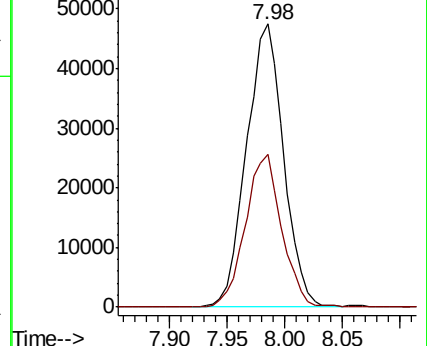
168 100

99 54.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#11

Tert butyl alcohol

Concen: 3.968 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064740.D

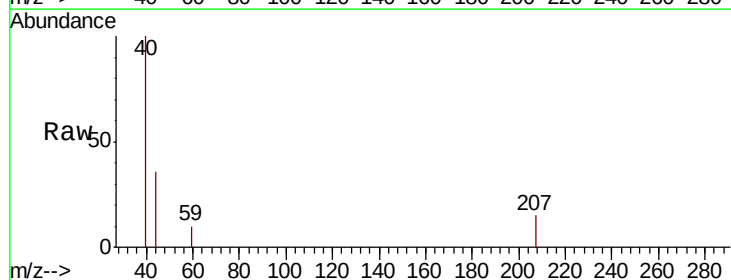
Acq: 03 Jan 2020 18:00

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

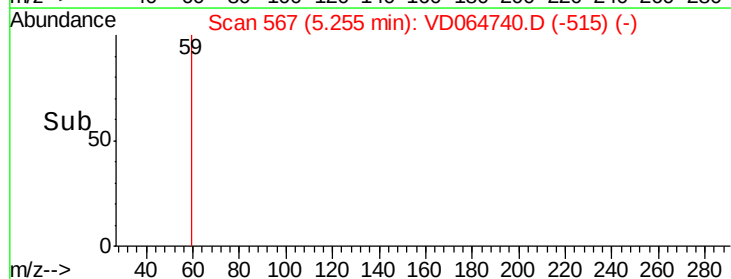
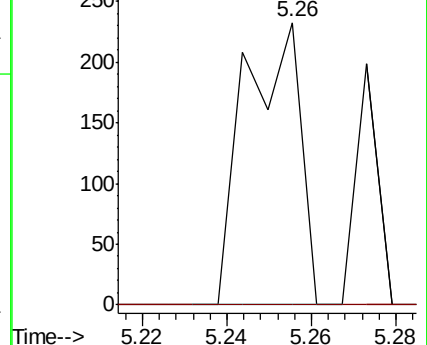
59 100

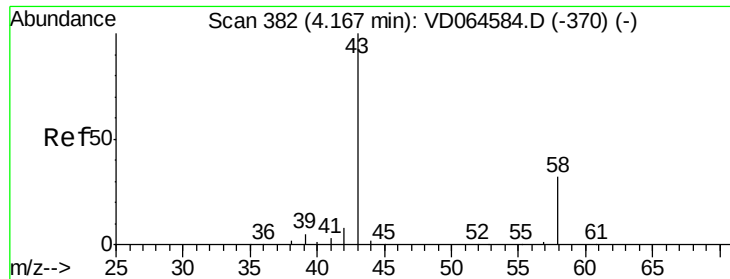
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 19.654 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064740.D

Acq: 03 Jan 2020 18:00

Instrument :

MSVOA_D

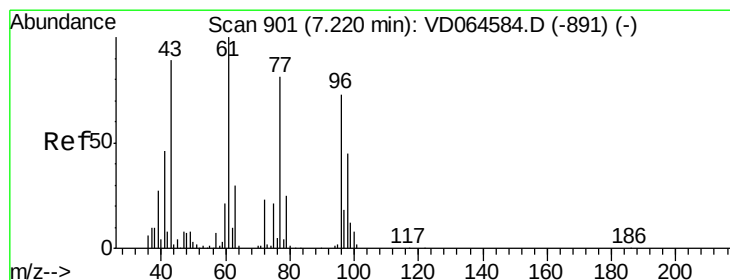
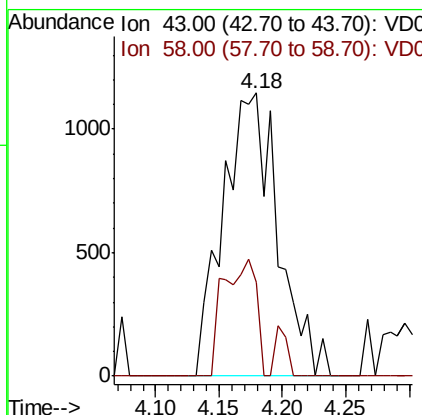
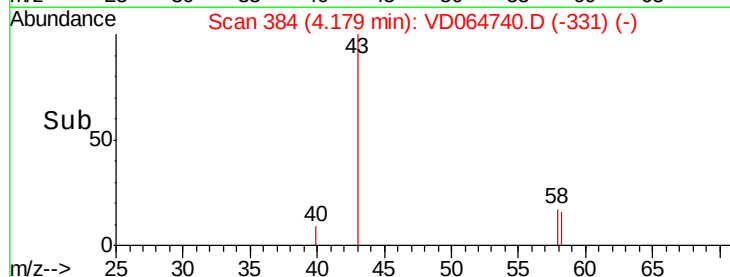
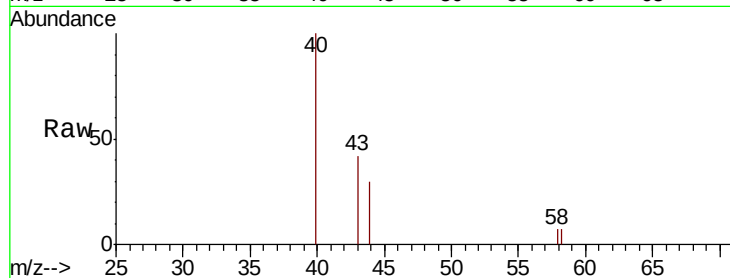
ClientSampled :

Tot Ion: 43 Resp: 3452

Ion Ratio Lower Upper

43 100

58 33.2 25.8 38.6



#25

2-Butanone

Concen: 2.567 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD064740.D

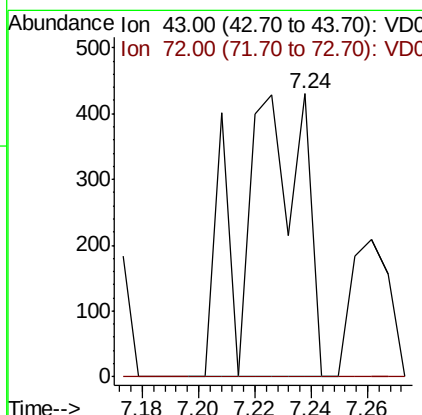
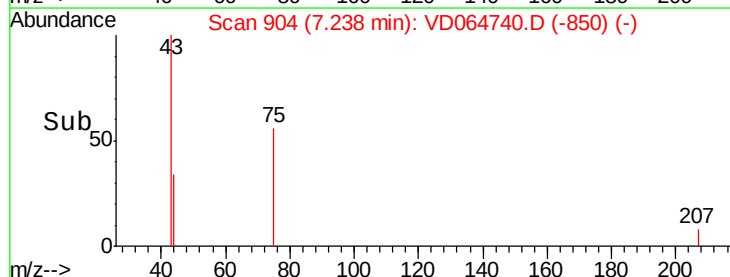
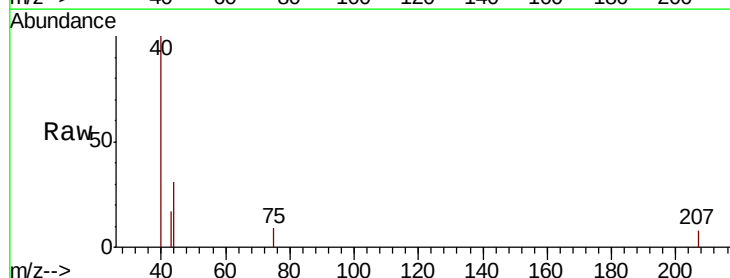
Acq: 03 Jan 2020 18:00

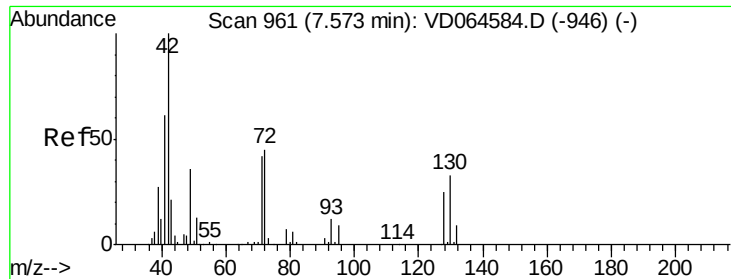
Tgt Ion: 43 Resp: 661

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#

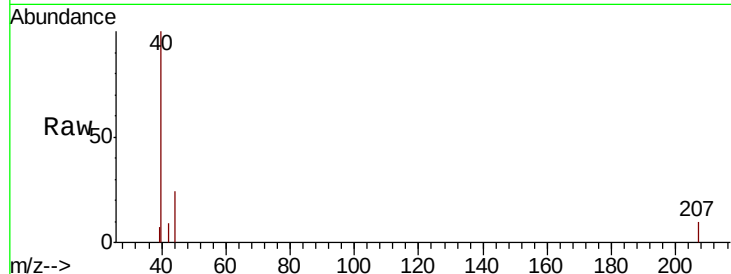




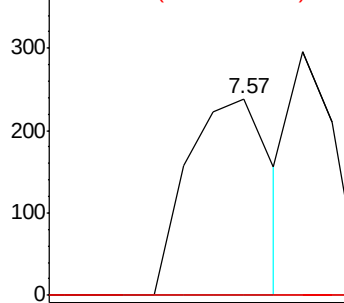
#29
Tetrahydrofuran
Concen: 1.711 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064740.D
Acq: 03 Jan 2020 18:00

Instrument :
MSVOA_D
ClientSampleId :

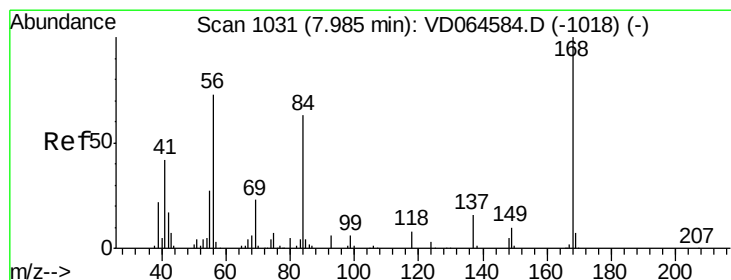
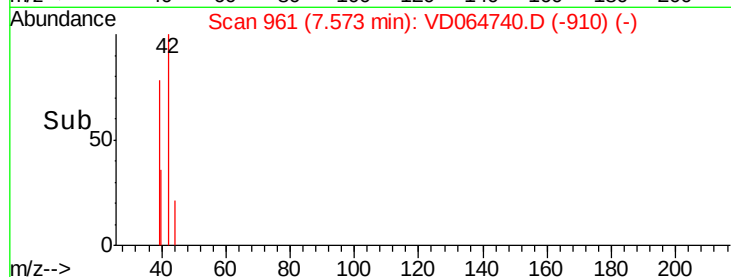
Tot Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.9 49.3#



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

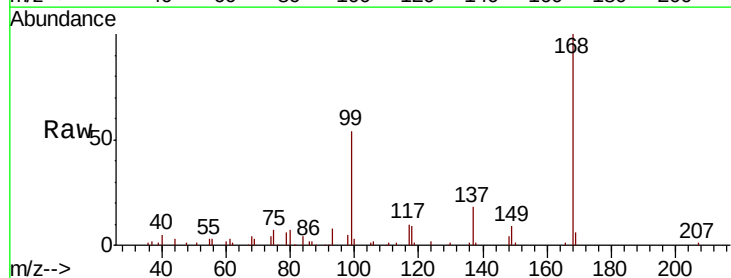


Time-->

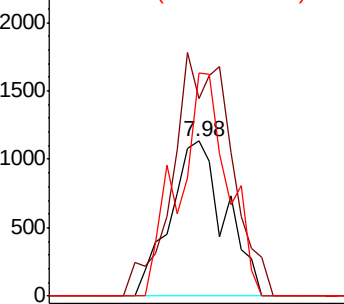


#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064740.D
Acq: 03 Jan 2020 18:00

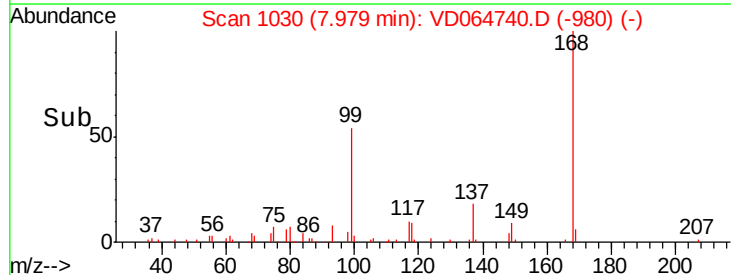
Tgt Ion: 56 Resp: 2386
Ion Ratio Lower Upper
56 100
69 127.2 24.7 37.1#
84 144.3 69.4 104.2#

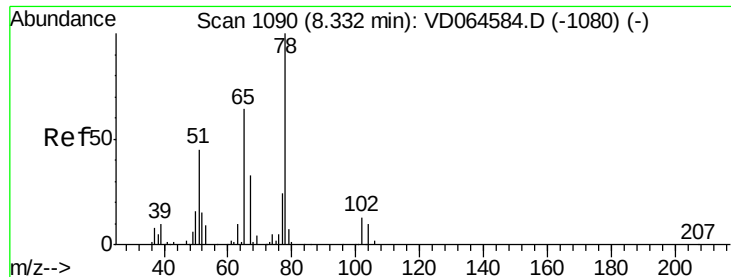


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time-->

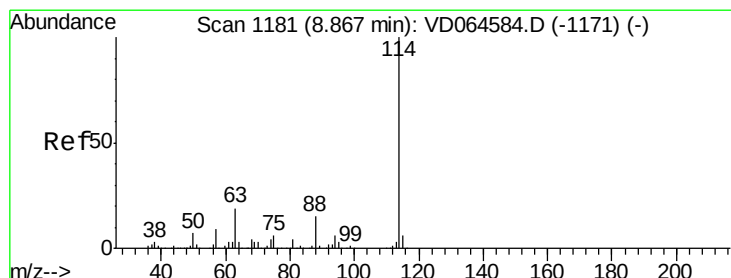
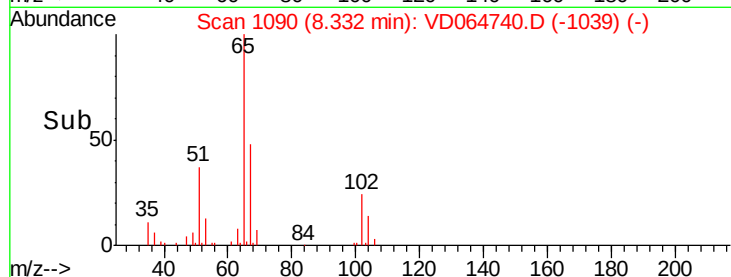
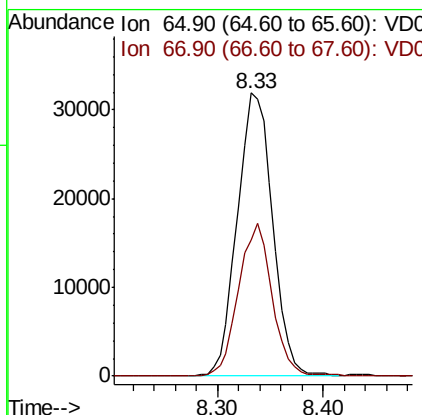
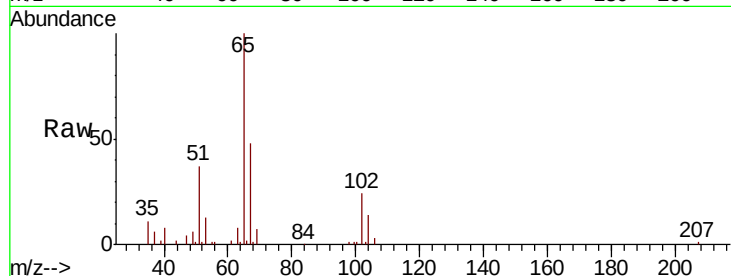




#33
 1,2-Dichloroethane-d4
 Concen: 79.178 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064740.D
 Acq: 03 Jan 2020 18:00

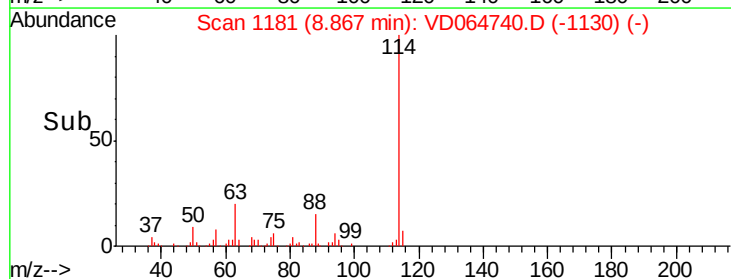
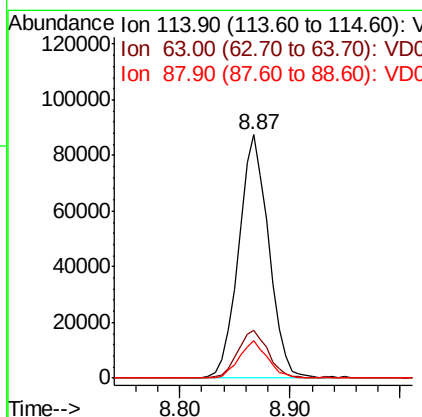
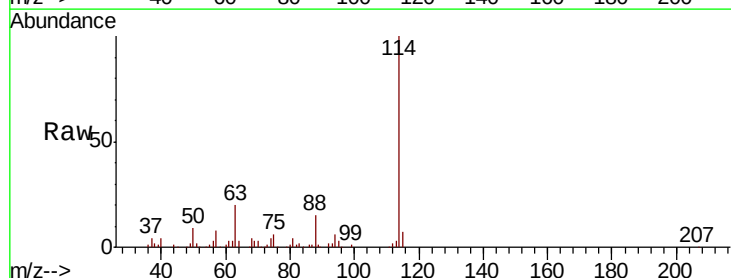
Instrument :
 MSVOA_D
 ClientSampleId :

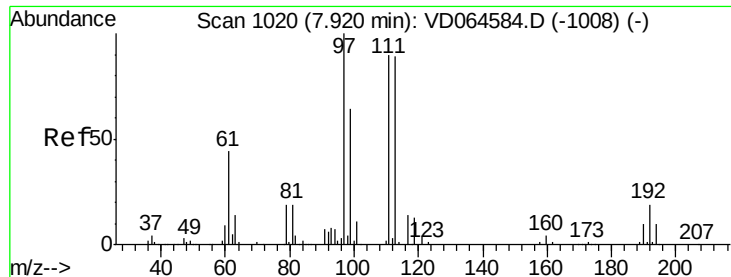
Tot Ion: 65 Resp: 74164
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064740.D
 Acq: 03 Jan 2020 18:00

Tgt Ion: 114 Resp: 167594
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 15.3 0.0 29.2

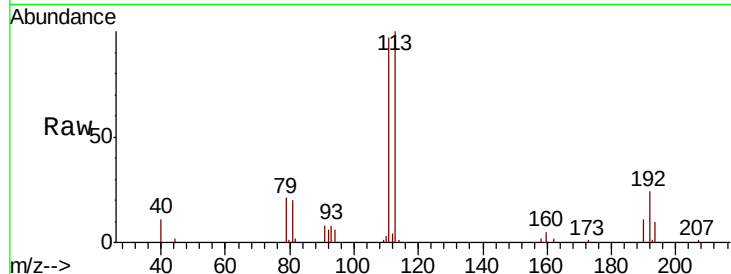




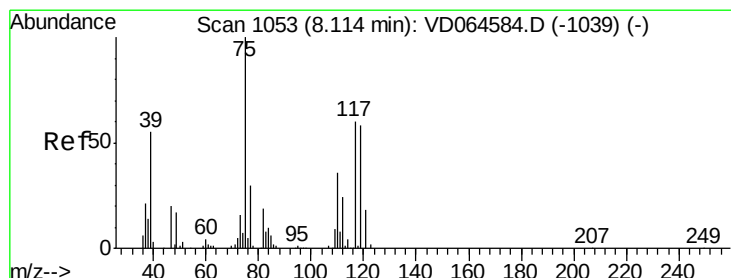
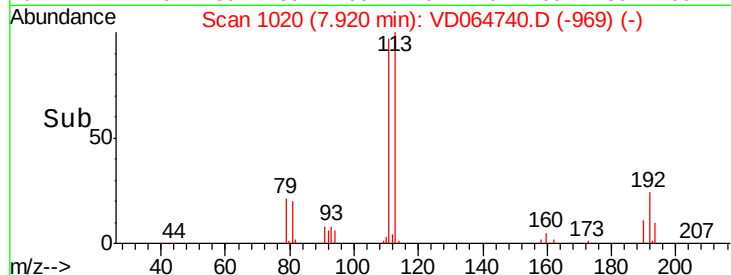
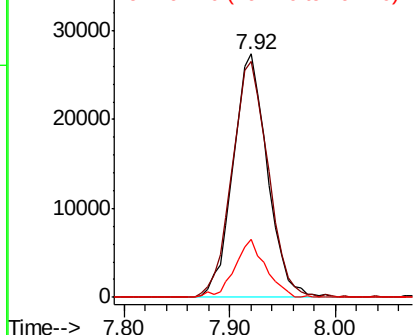
#35
 Dibromofluoromethane
 Concen: 59.895 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064740.D
 Acq: 03 Jan 2020 18:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 61585
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 21.5 17.9 26.9

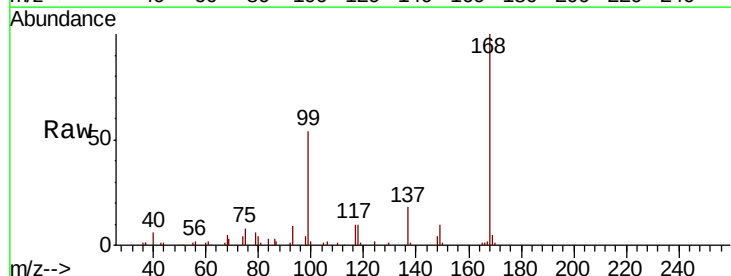


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

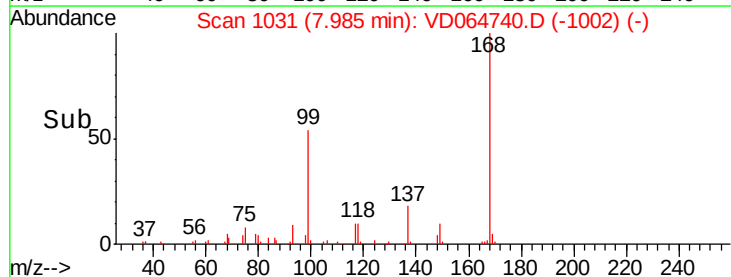
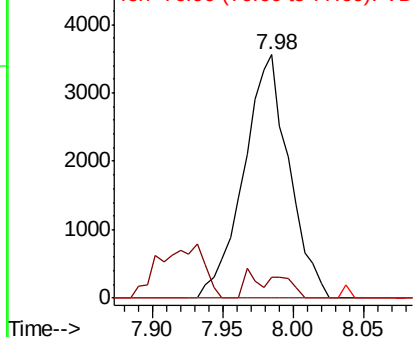


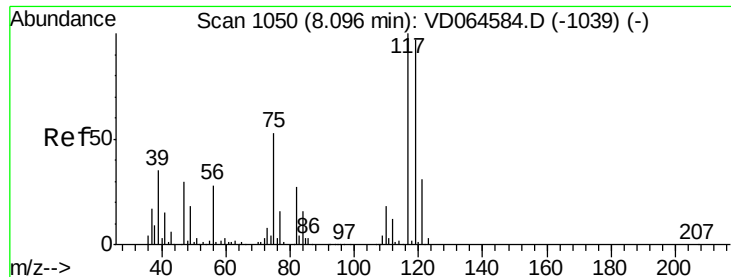
#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064740.D
 Acq: 03 Jan 2020 18:00

Tgt Ion: 75 Resp: 8001
 Ion Ratio Lower Upper
 75 100
 110 4.6 18.1 54.1#
 77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

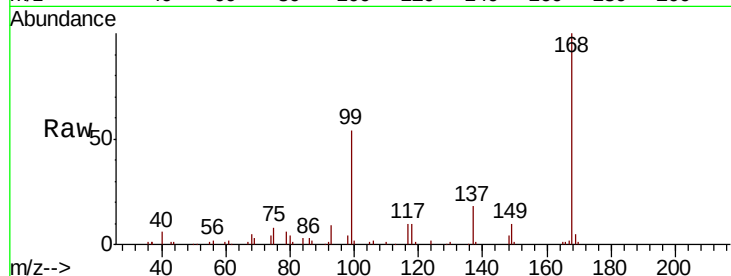




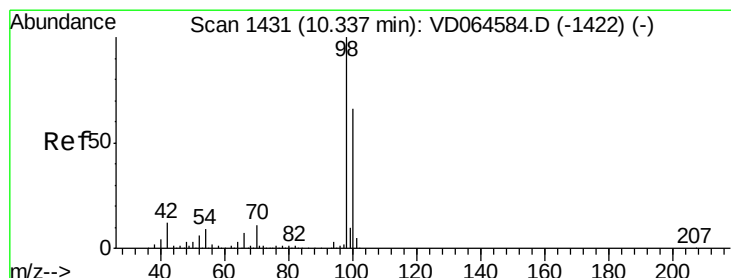
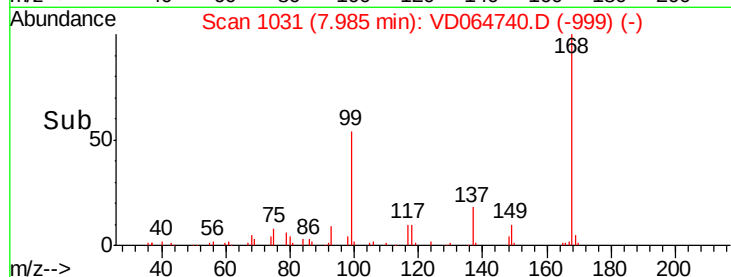
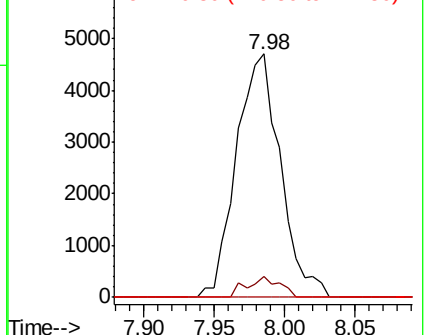
#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064740.D
Acq: 03 Jan 2020 18:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 10286
Ion Ratio Lower Upper
117 100
119 8.7 77.3 115.9#
121 0.0 25.0 37.6#

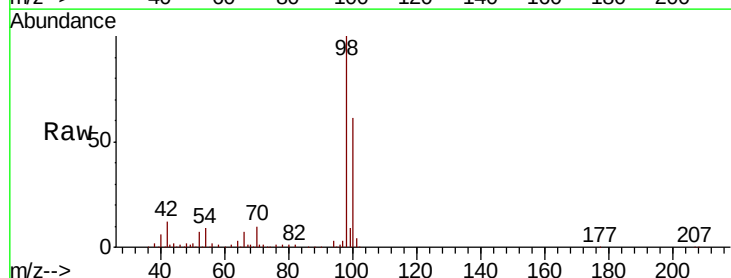


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

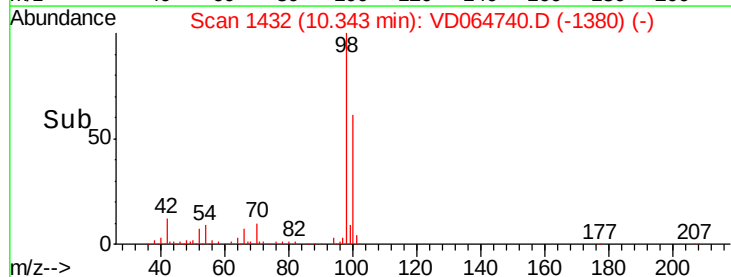
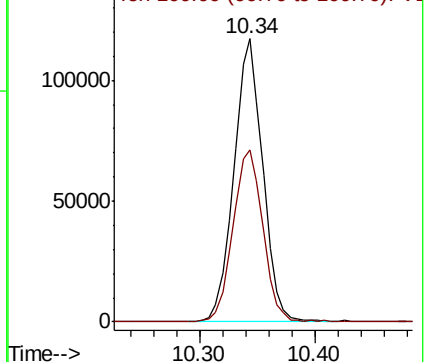


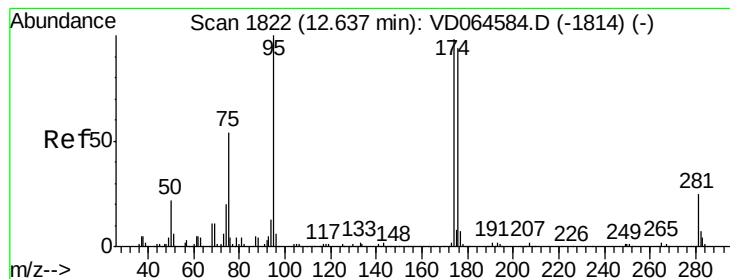
#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064740.D
Acq: 03 Jan 2020 18:00

Tgt Ion: 98 Resp: 201793
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 53.881 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064740.D

Acq: 03 Jan 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

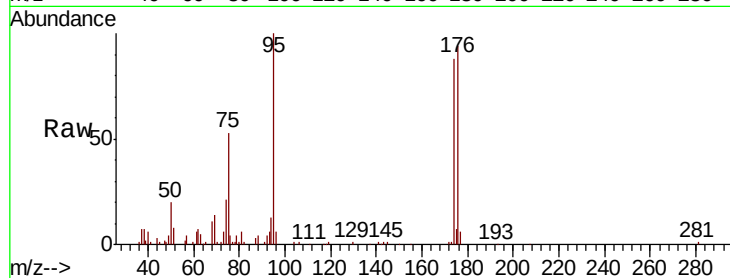
Tot Ion: 95 Resp: 67094

Ion Ratio Lower Upper

95 100

174 93.8 0.0 193.2

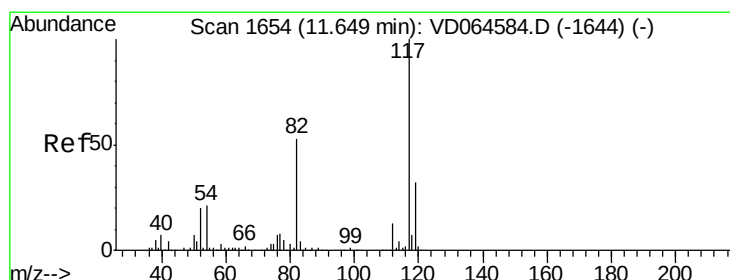
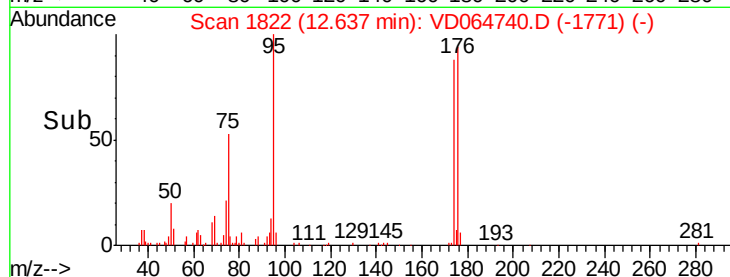
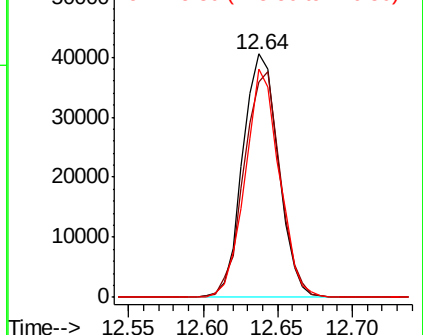
176 89.4 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064740.D

Acq: 03 Jan 2020 18:00

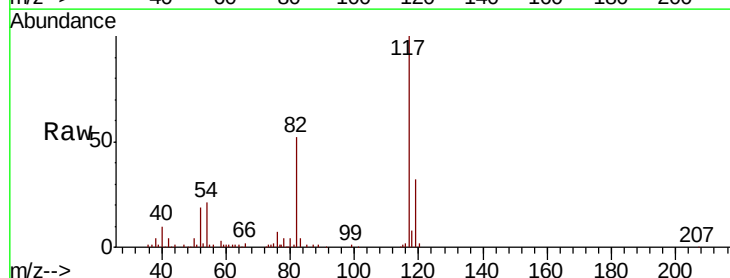
Tgt Ion: 117 Resp: 160203

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

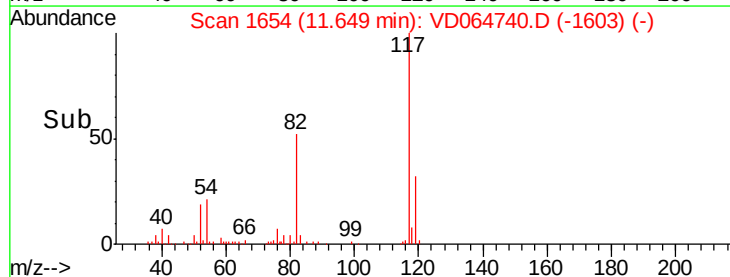
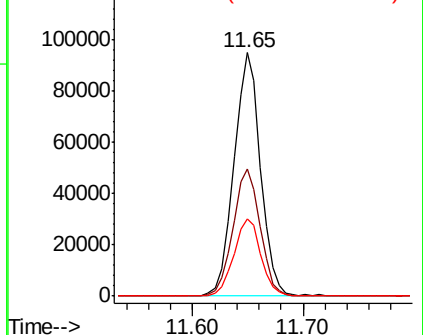
119 31.6 26.0 39.0

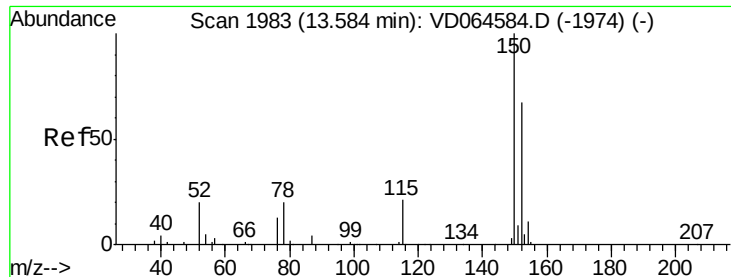


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064740.D

Acq: 03 Jan 2020 18:00

Instrument :

MSVOA_D

ClientSampleId :

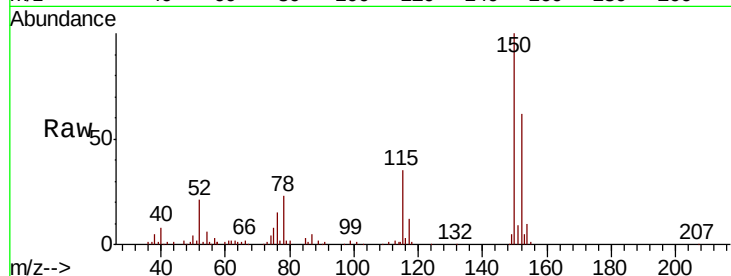
Tot Ion:152 Resp: 77420

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

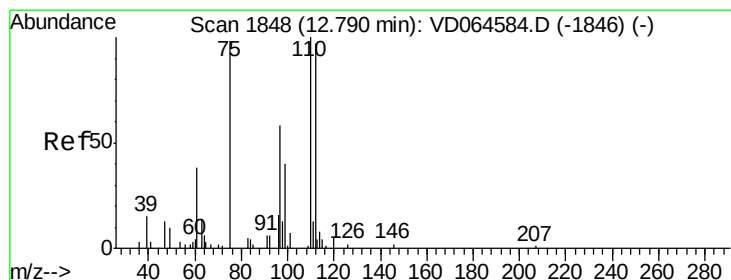
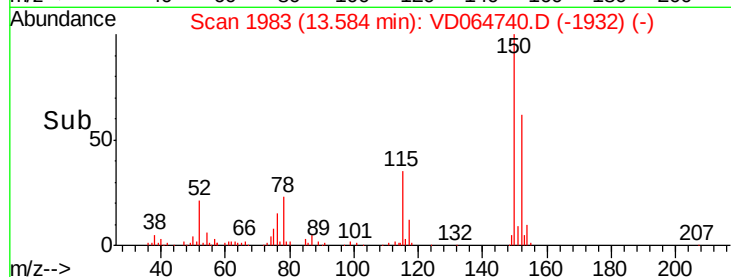
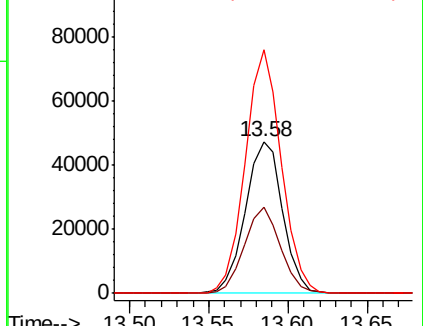
150 155.1 0.0 351.4



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: 57.580 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064740.D

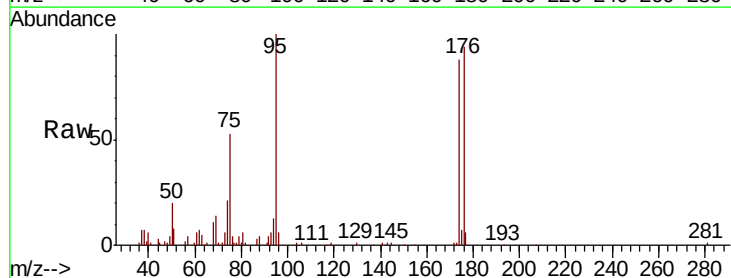
Acq: 03 Jan 2020 18:00

Tgt Ion: 75 Resp: 35202

Ion Ratio Lower Upper

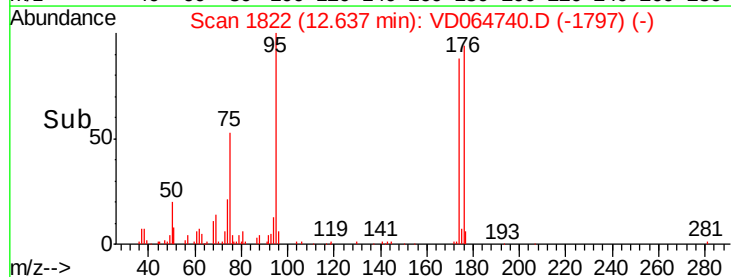
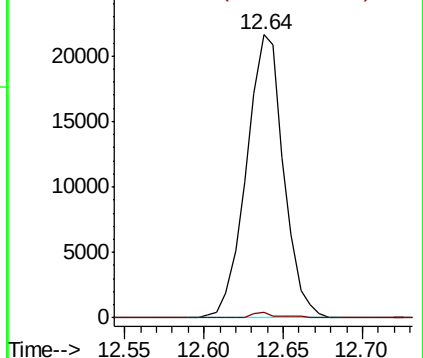
75 100

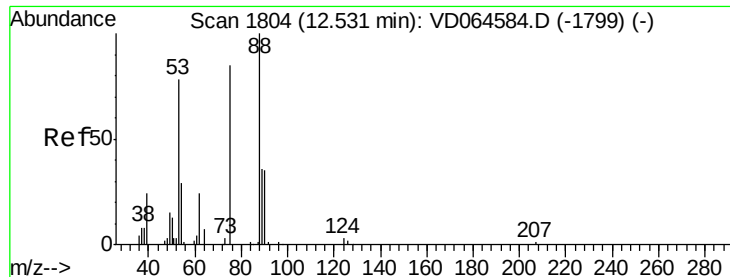
77 1.5 0.0 0.0#



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: 120.427 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064740.D

Acq: 03 Jan 2020 18:00

Instrument :

MSVOA_D

ClientSampleId :

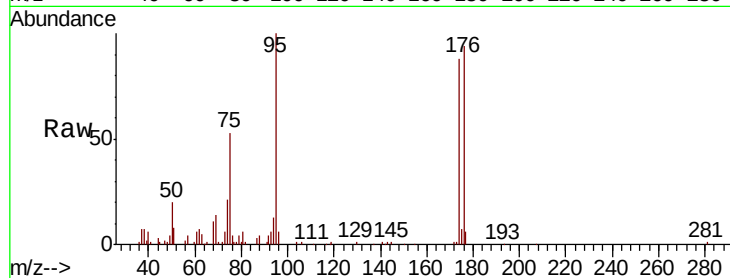
Tot Ion: 75 Resp: 35202

Ion Ratio Lower Upper

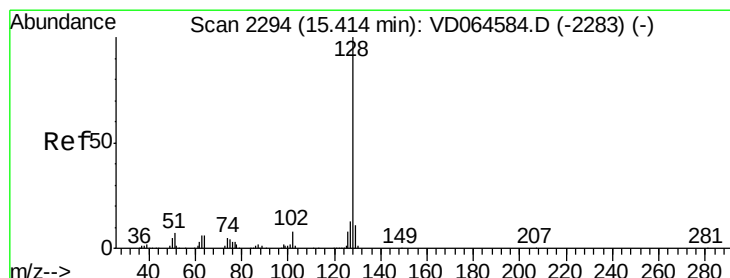
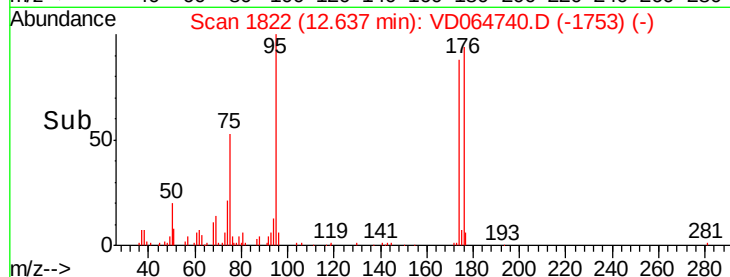
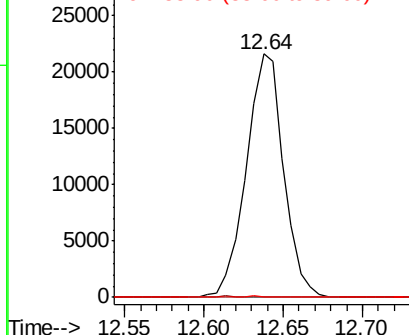
75 100

53 0.0 78.8 118.2#

89 0.2 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



#95

Naphthalene

Concen: 2.554 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064740.D

Acq: 03 Jan 2020 18:00

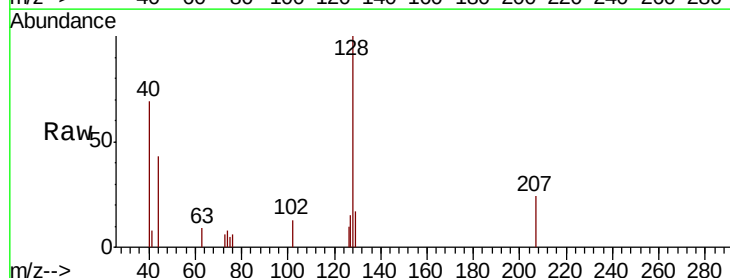
Tgt Ion:128 Resp: 6575

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 8.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

