

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064724.D
 Acq On : 02 Jan 2020 18:24
 Operator : VA/SY
 Sample : K6465-09
 Misc : 6.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

Quant Time: Jan 03 00:25:55 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	7.99	168	486258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	758313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	668766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228535	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.92	113	234526	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.34	98	904406	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.64	95	271753	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

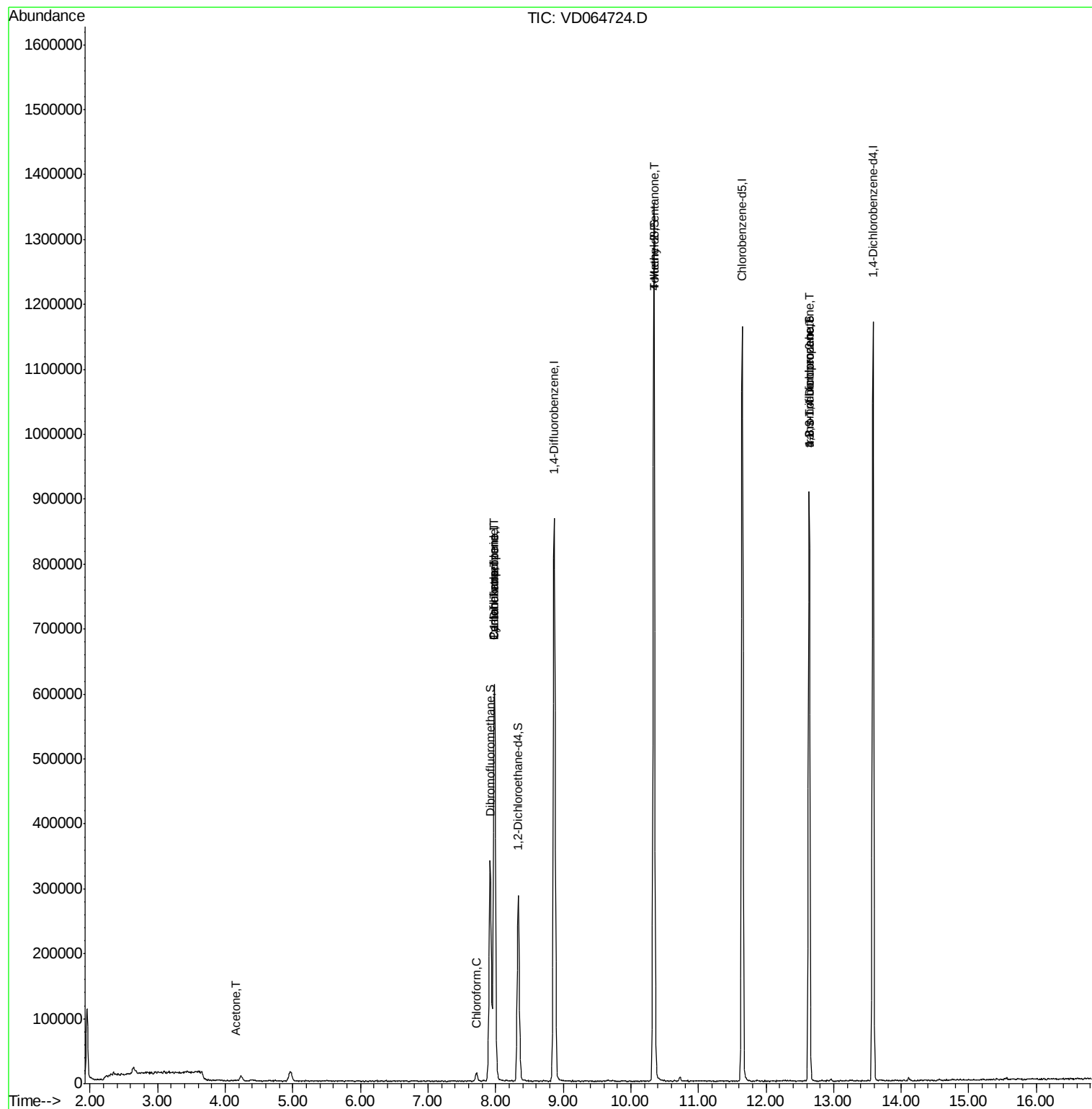
					Qvalue	
16) Acetone	4.16	43	1746	5.893	ug/l #	42
20) Methylene Chloride	4.96	84	11396	Below Cal		93
30) Chloroform	7.72	83	10812	1.290	ug/l	92
31) Cyclohexane	7.97	56	10339	1.293	ug/l #	25
36) 1,1-Dichloropropene	7.99	75	35725	4.895	ug/l #	50
38) Carbon Tetrachloride	7.99	117	44587	5.729	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4355	1.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	142300	59.283	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	142300	123.989	ug/l #	10

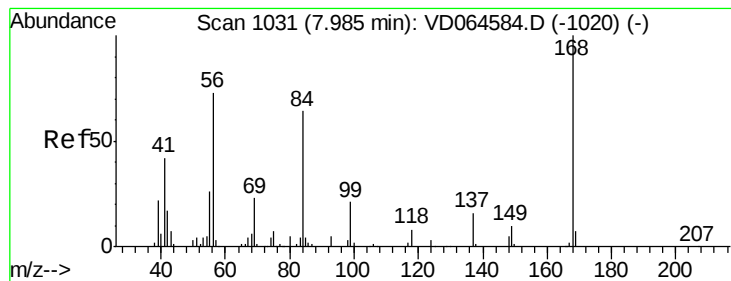
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

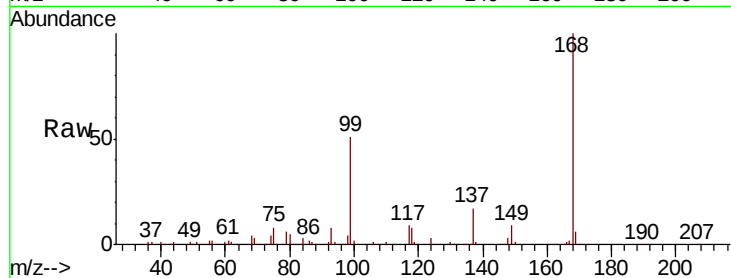
SS-8

Tot Ion:168 Resp: 486258

Ion Ratio Lower Upper

168 100

99 51.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

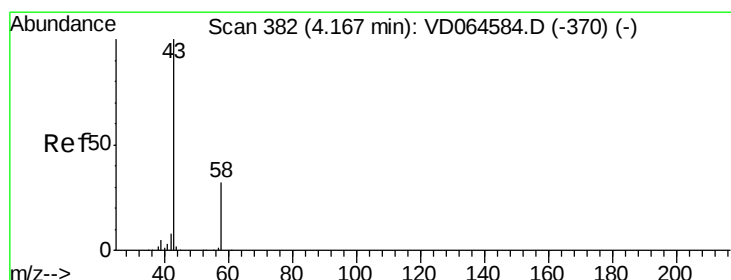
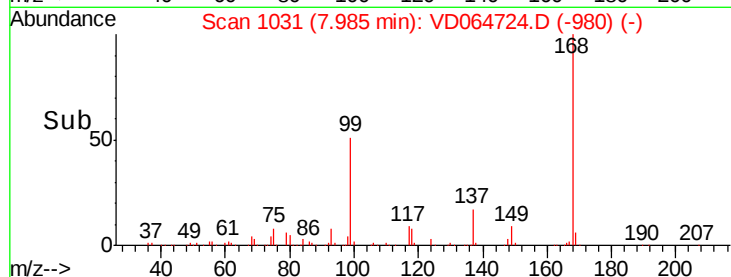
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.893 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064724.D

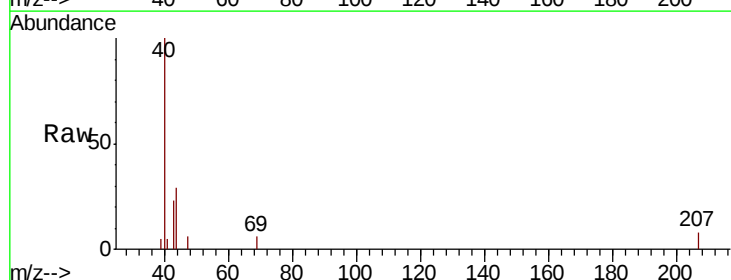
Acq: 02 Jan 2020 18:24

Tgt Ion: 43 Resp: 1746

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

4.16

800

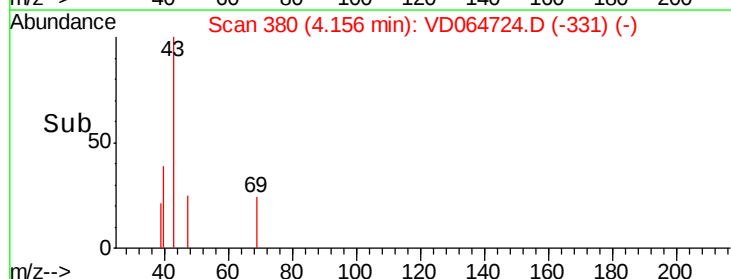
600

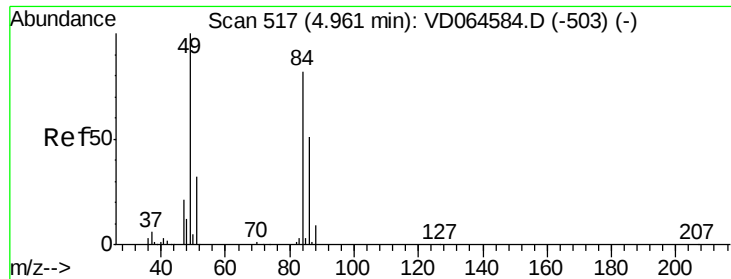
400

200

0

Time-->

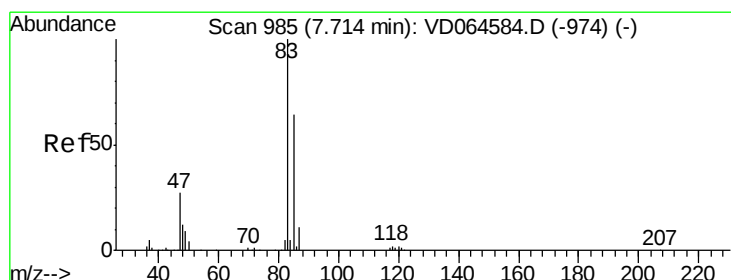
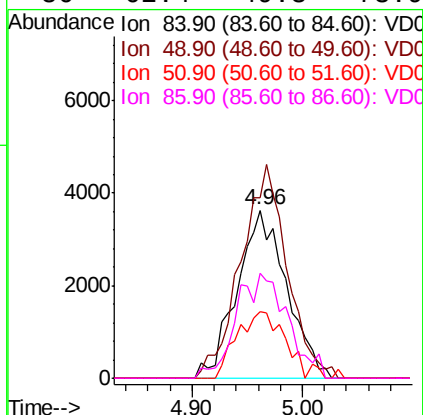
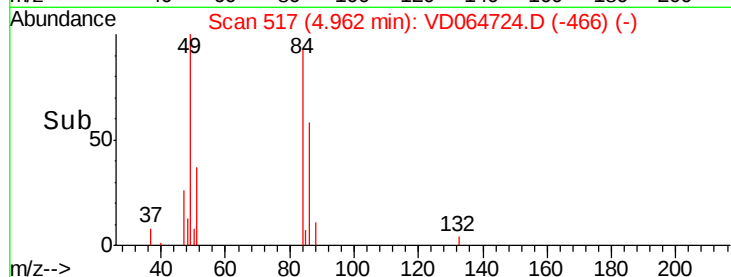
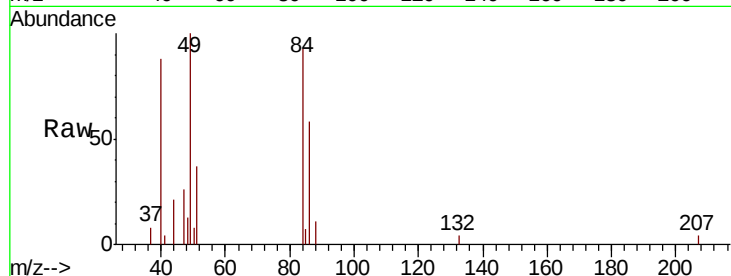




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

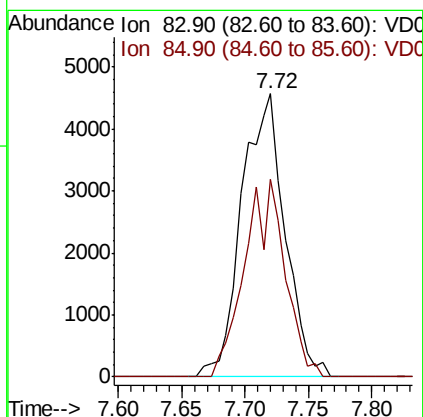
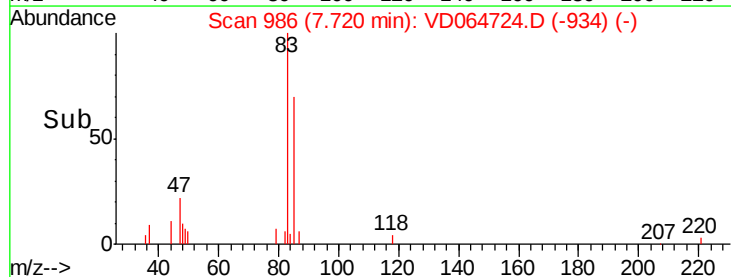
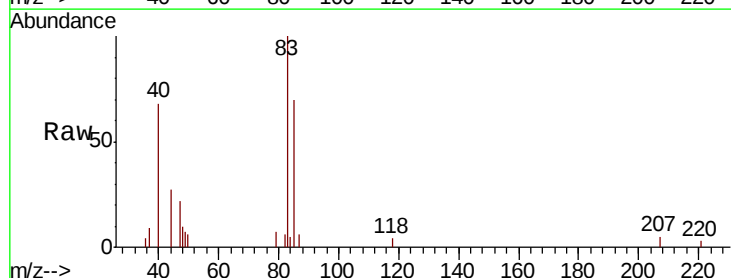
Instrument :
MSVOA_D
ClientSampleId :
SS-8

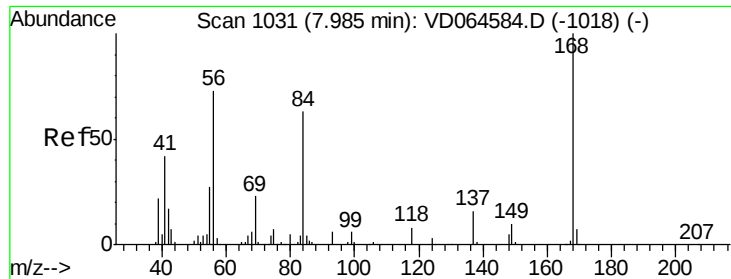
Tot Ion: 84 Resp: 11396
Ion Ratio Lower Upper
84 100
49 107.7 97.2 145.8
51 39.8 31.4 47.0
86 62.4 49.3 73.9



#30
Chloroform
Concen: 1.290 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

Tgt Ion: 83 Resp: 10812
Ion Ratio Lower Upper
83 100
85 69.8 51.1 76.7

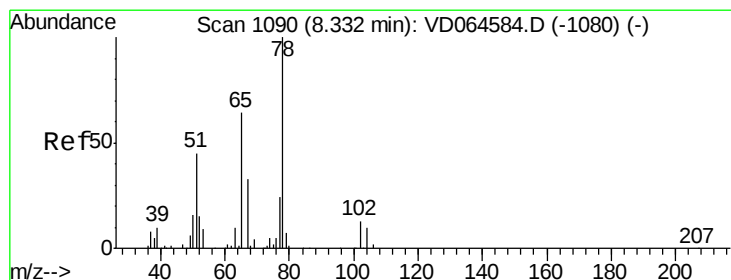
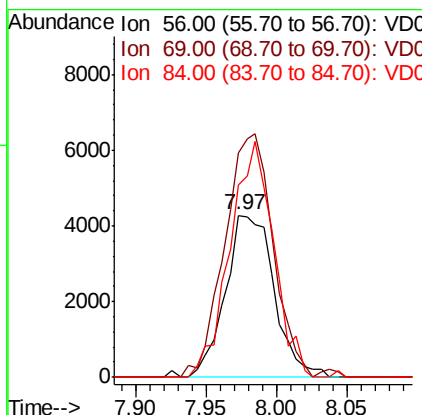
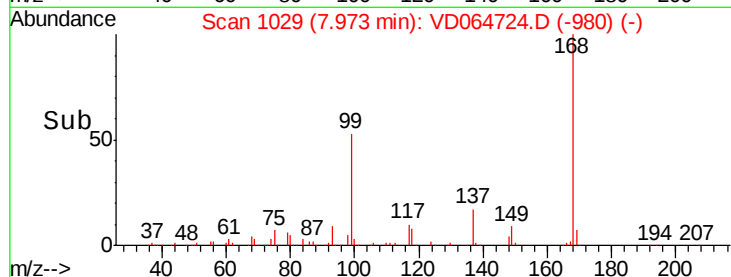
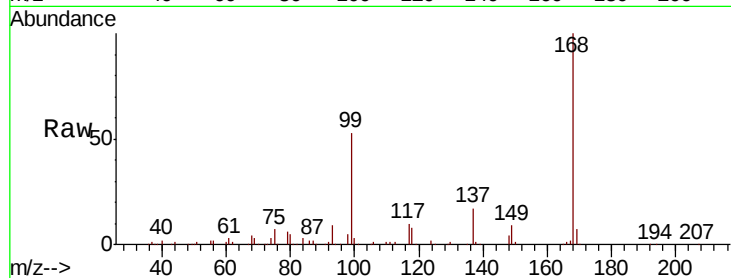




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

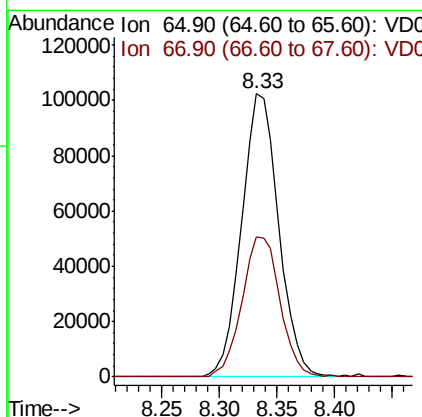
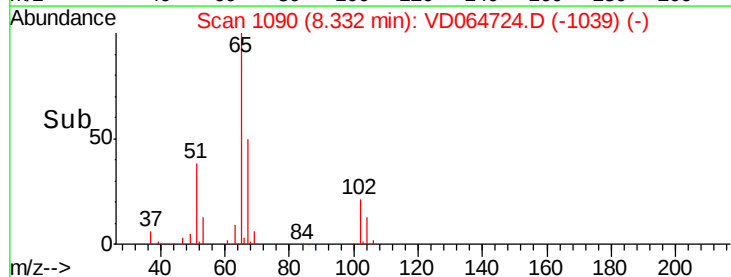
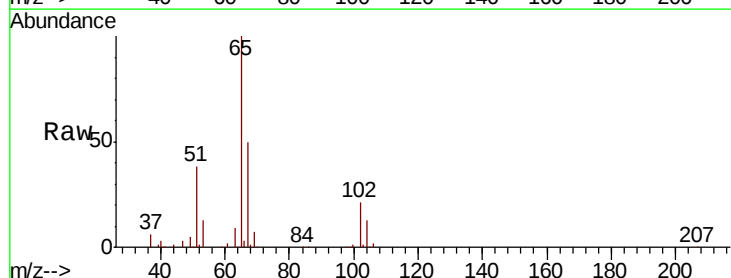
Instrument :
MSVOA_D
ClientSampleId :
SS-8

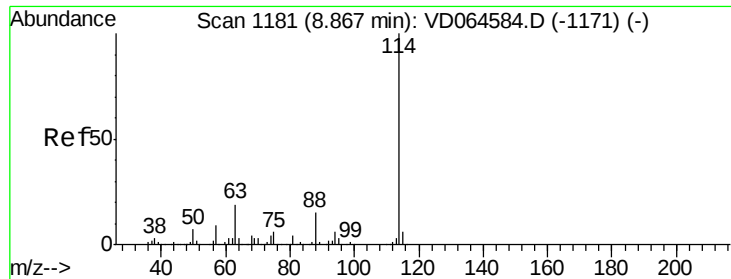
Tot Ion: 56 Resp: 10339
Ion Ratio Lower Upper
56 100
69 134.6 24.7 37.1#
84 118.3 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.299 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

Tgt Ion: 65 Resp: 228535
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

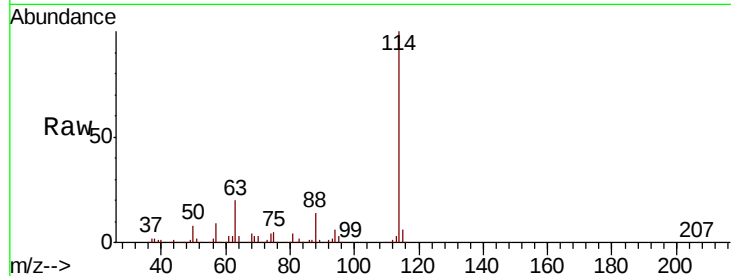




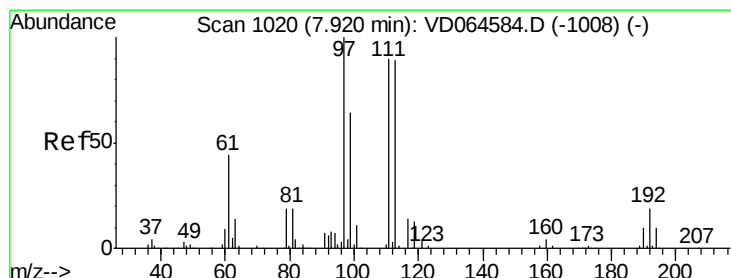
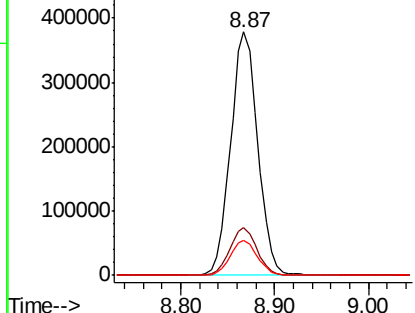
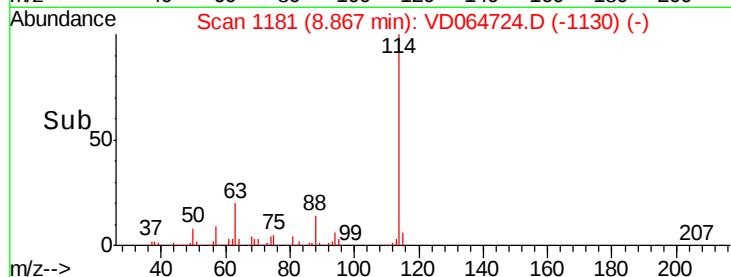
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064724.D
 Acq: 02 Jan 2020 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	14.3	0.0	29.2

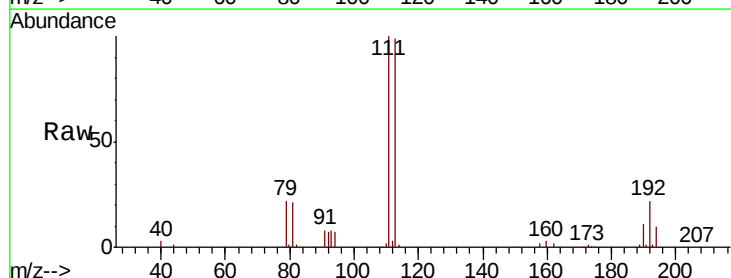


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

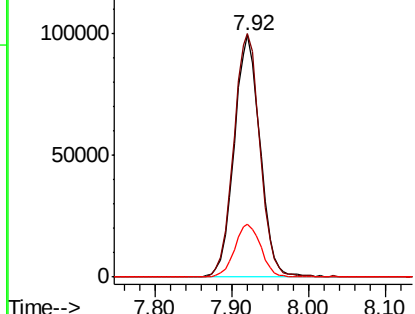
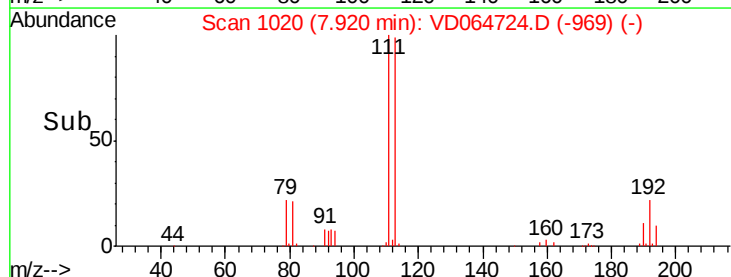


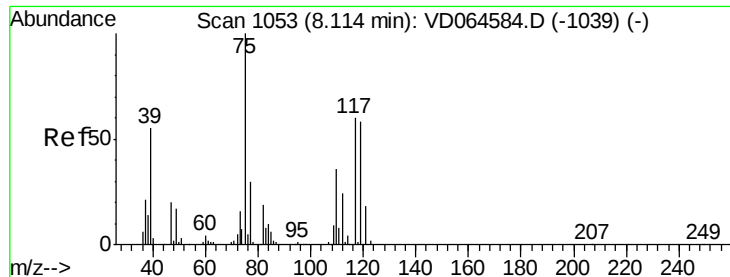
#35
 Dibromofluoromethane
 Concen: 50.410 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064724.D
 Acq: 02 Jan 2020 18:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	22.2	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: 4.895 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

SS-8

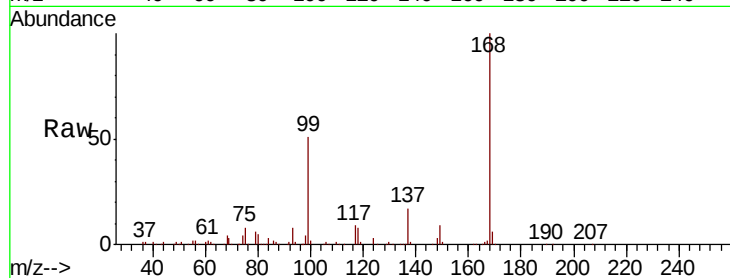
Tot Ion: 75 Resp: 35725

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

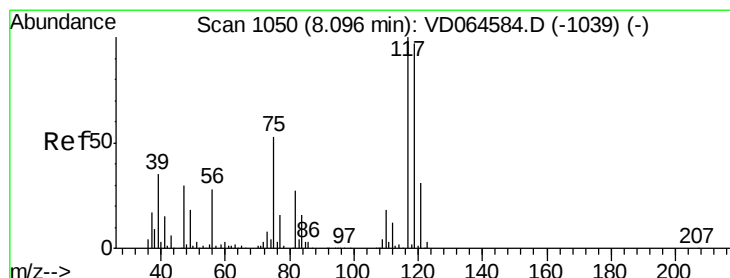
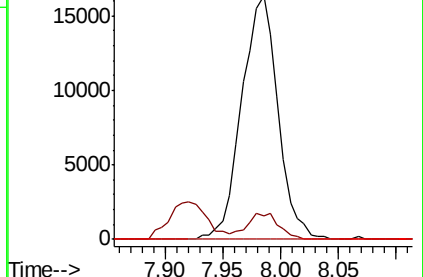
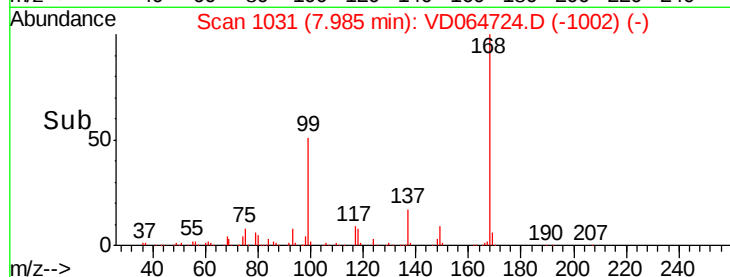
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064724.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064724.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064724.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

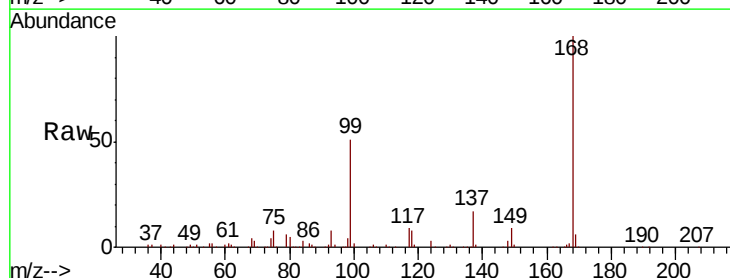
Tgt Ion: 117 Resp: 44587

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

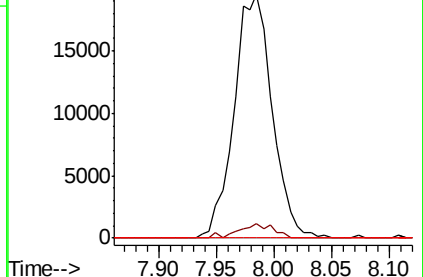
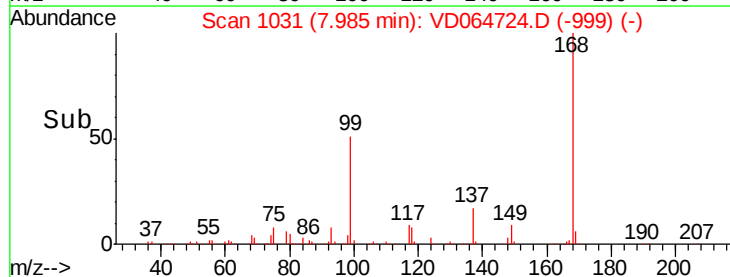
121 0.0 25.0 37.6#

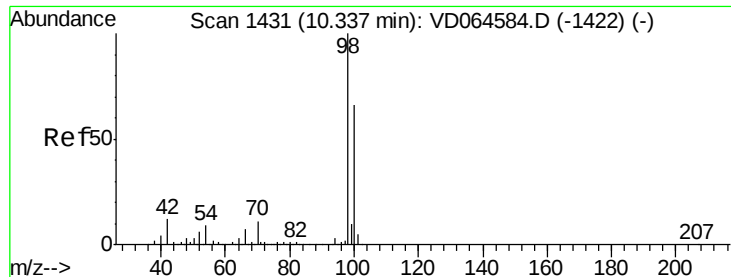


Abundance Ion 116.80 (116.50 to 117.50): VD064724.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064724.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064724.D (-999) (-)





#50

Toluene-d8

Concen: 50.758 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

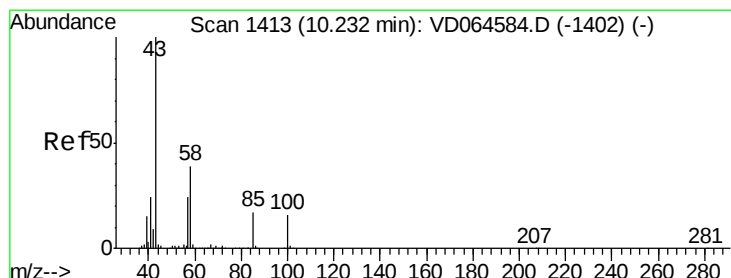
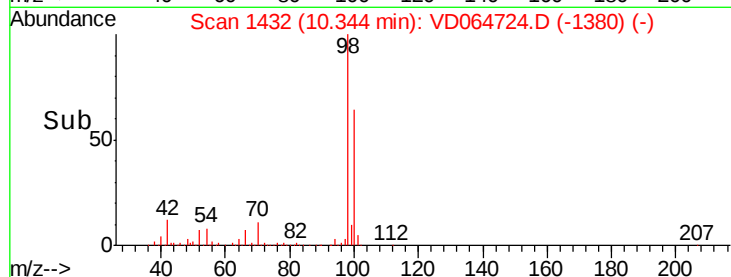
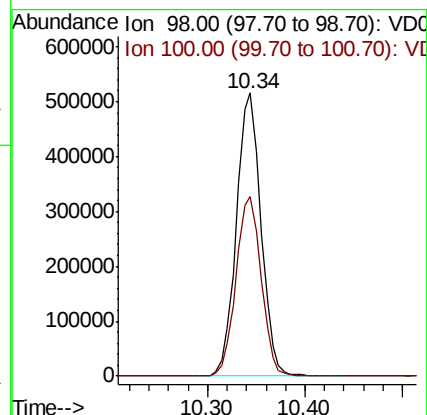
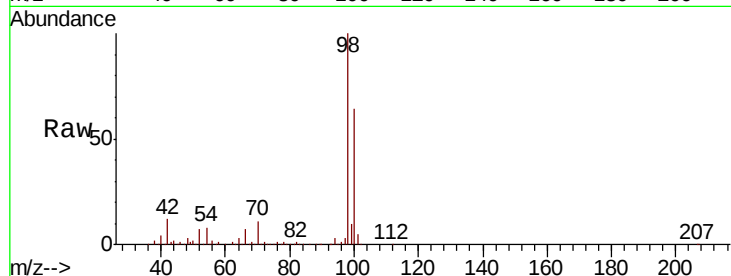
SS-8

Tot Ion: 98 Resp: 904406

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.544 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064724.D

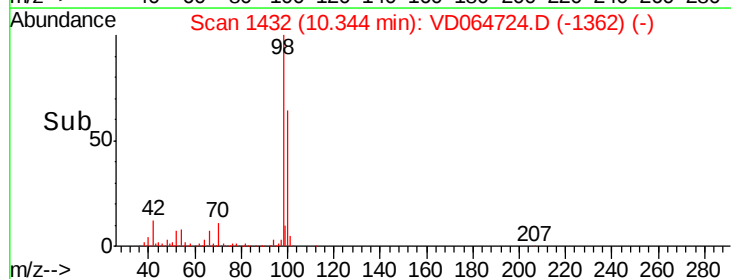
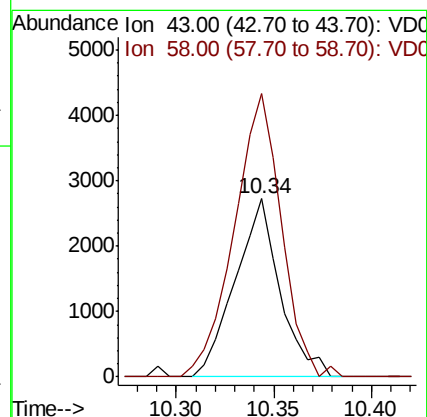
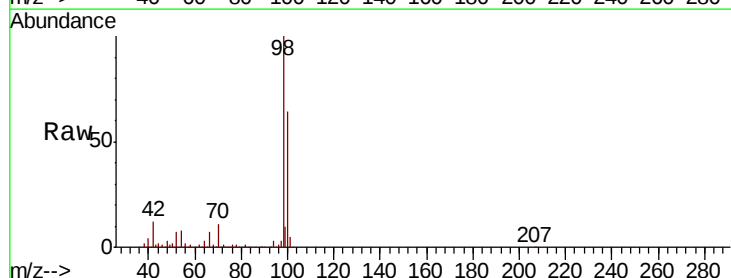
Acq: 02 Jan 2020 18:24

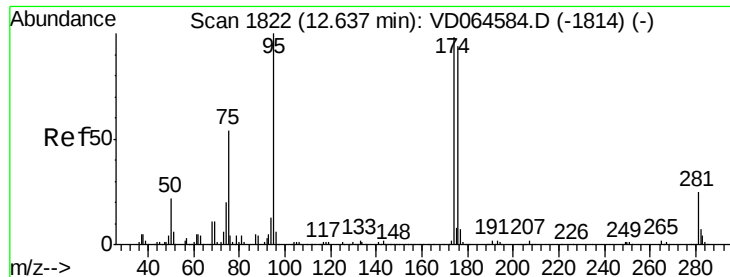
Tgt Ion: 43 Resp: 4355

Ion Ratio Lower Upper

43 100

58 166.2 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 48.232 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

SS-8

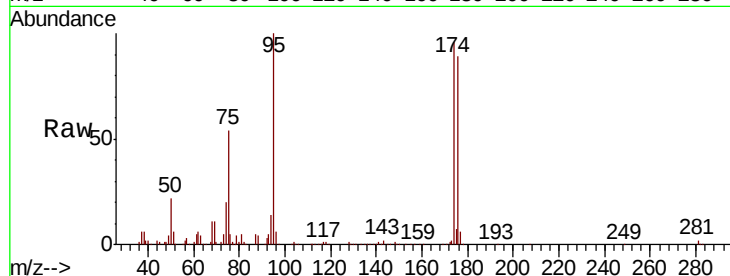
Tot Ion: 95 Resp: 271753

Ion Ratio Lower Upper

95 100

174 95.2 0.0 193.2

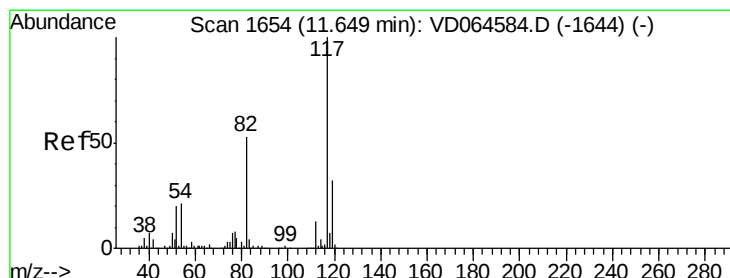
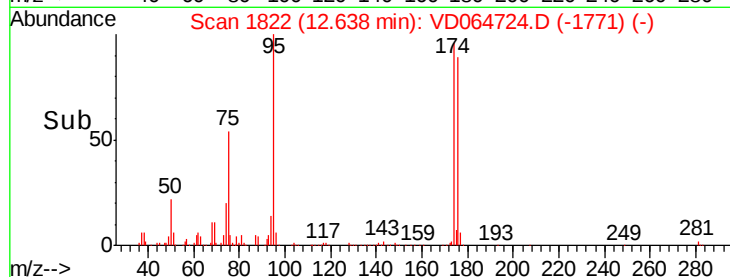
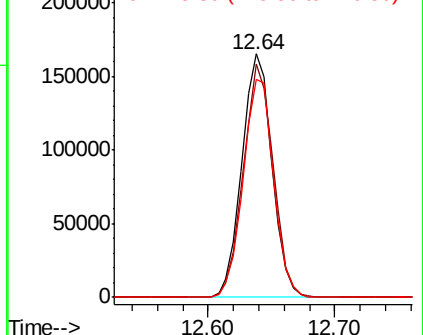
176 91.0 0.0 184.2



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: VD064724.D

Acq: 02 Jan 2020 18:24

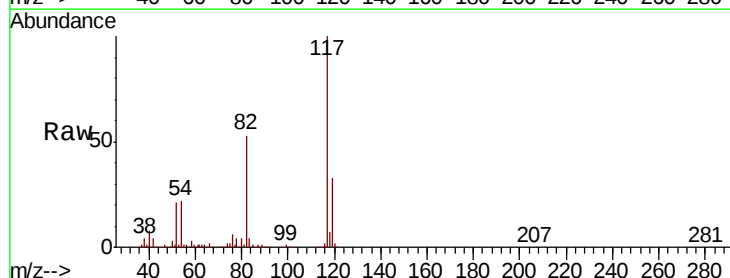
Tgt Ion: 117 Resp: 668766

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

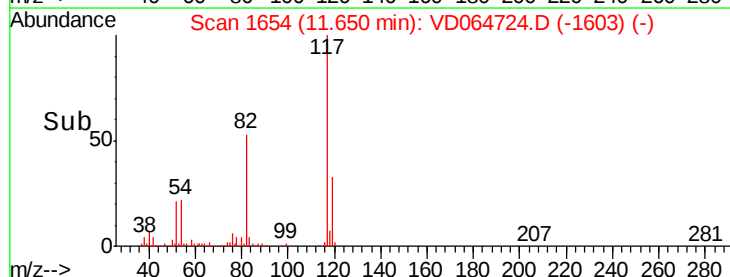
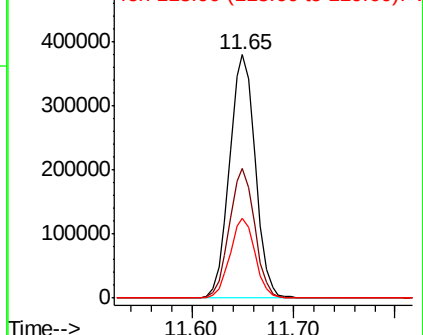
119 32.9 26.0 39.0

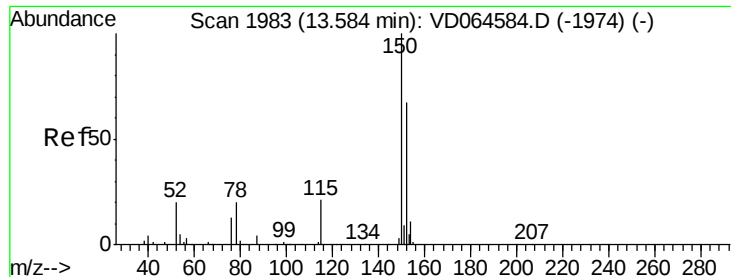


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



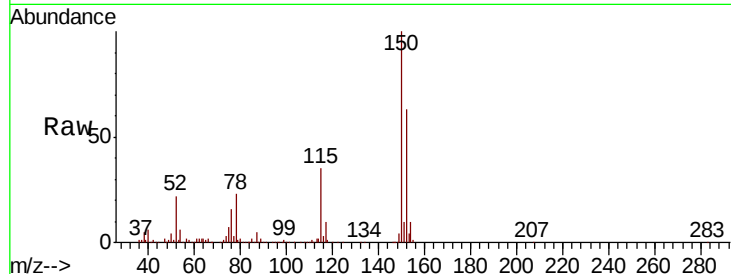


#72

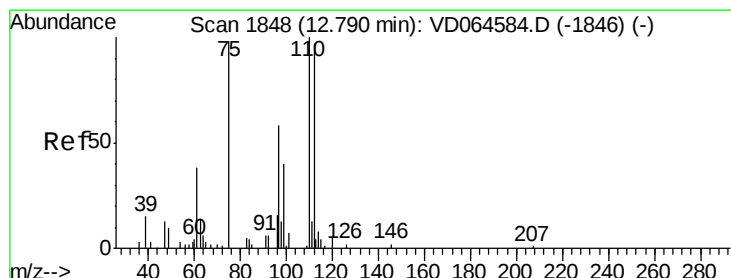
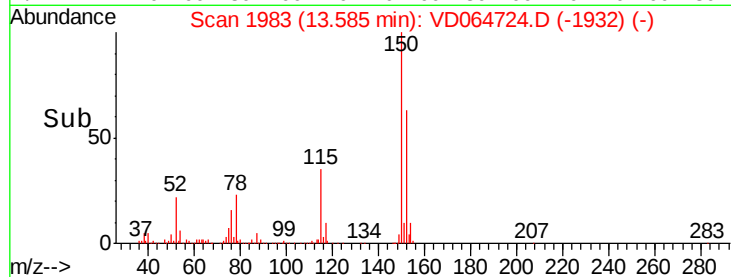
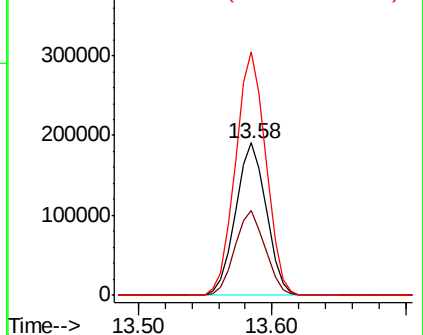
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

Instrument :
MSVOA_D
ClientSampleId :
SS-8

Tot Ion:152 Resp: 303972
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 158.3 0.0 351.4



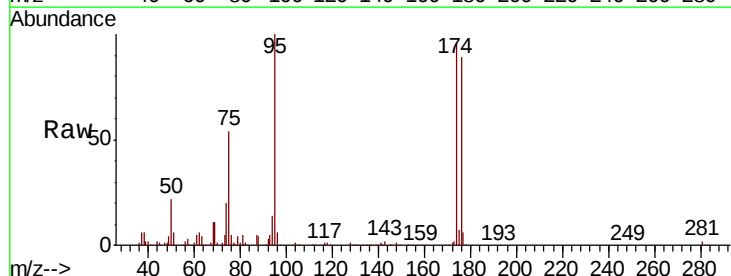
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



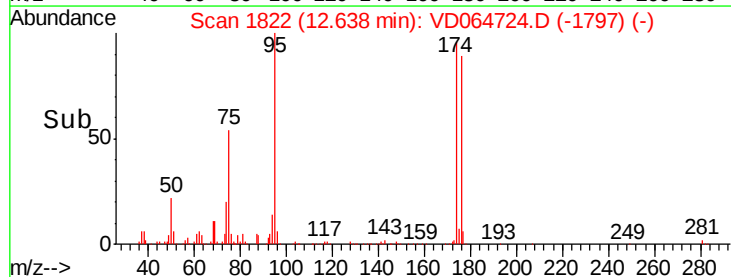
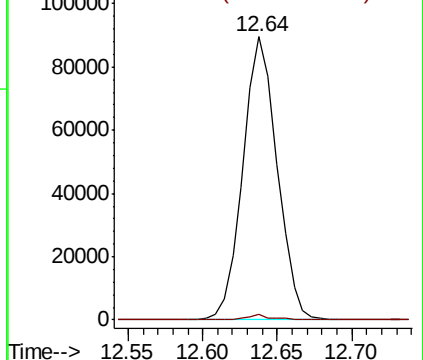
#76

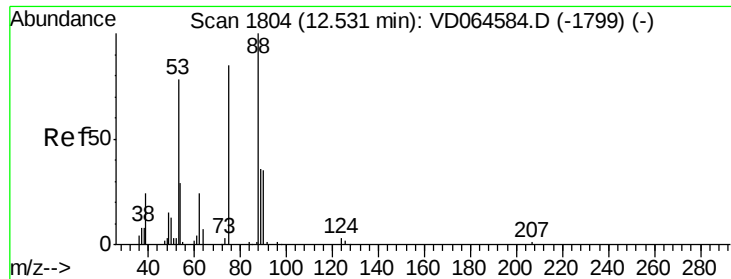
1,2,3-Trichloropropane
Concen: 59.283 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064724.D
Acq: 02 Jan 2020 18:24

Tgt Ion: 75 Resp: 142300
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 123.989 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064724.D

Acq: 02 Jan 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

SS-8

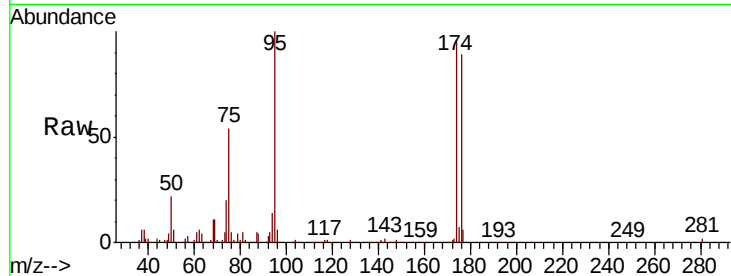
Tot Ion: 75 Resp: 142300

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

