

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064713.D
 Acq On : 02 Jan 2020 13:08
 Operator : VA/SY
 Sample : K6113-16
 Misc : 8.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-123119

Quant Time: Jan 03 00:24:04 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	559435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	833592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	739418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	343271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	248534	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.92	113	257664	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.34	98	995089	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.64	95	308352	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

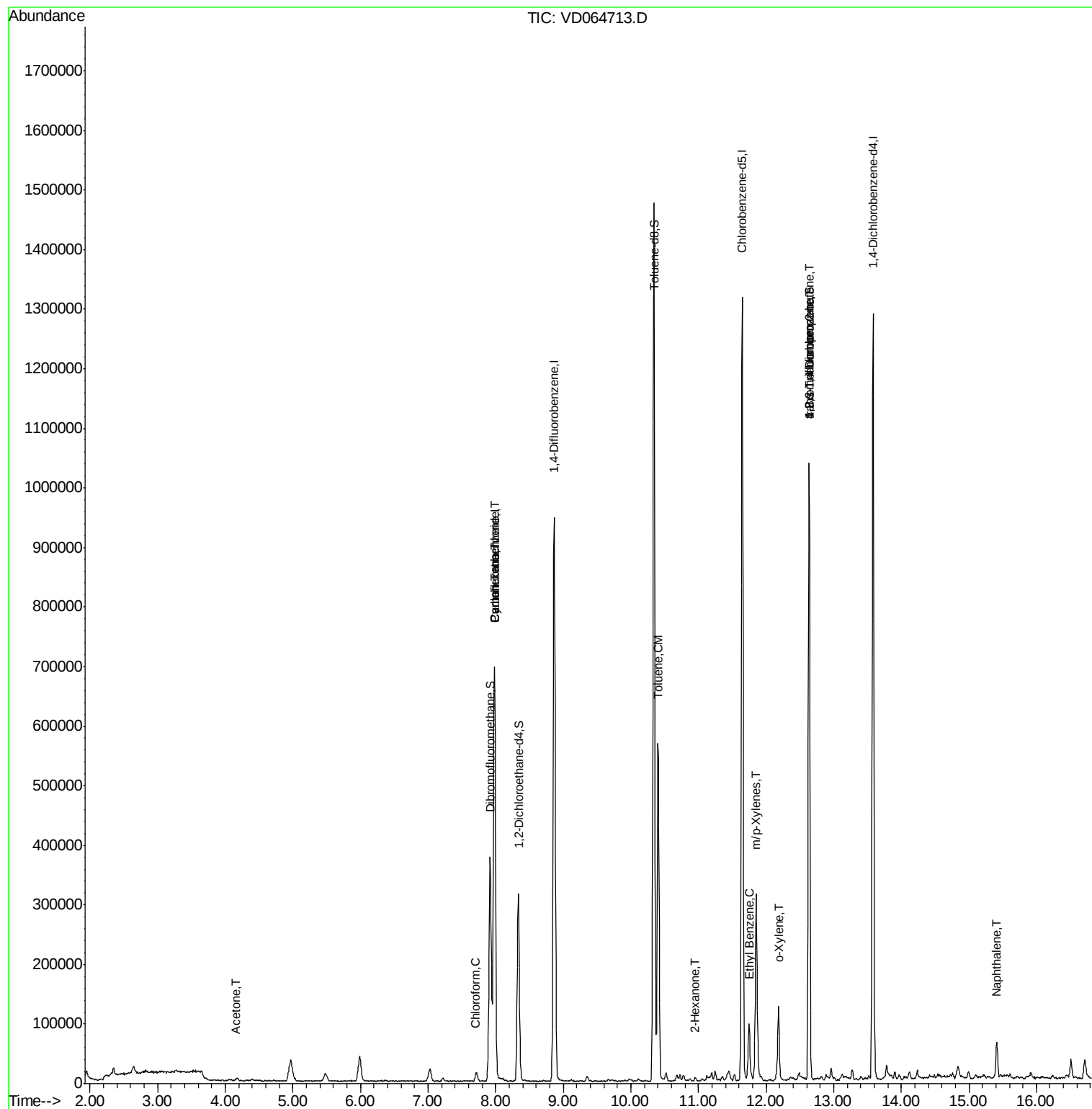
						Qvalue
16) Acetone	4.16	43	7273	10.354	ug/l #	79
30) Chloroform	7.71	83	13356	1.385	ug/l	98
31) Cyclohexane	7.98	56	12651	1.375	ug/l #	24
38) Carbon Tetrachloride	7.98	117	51681	6.041	ug/l #	15
52) Toluene	10.40	92	247937	17.254	ug/l	99
59) 2-Hexanone	10.94	43	2862	1.360	ug/l #	26
67) Ethyl Benzene	11.75	91	65463	2.350	ug/l	100
68) m/p-Xylenes	11.86	106	97548	9.073	ug/l	99
69) o-Xylene	12.18	106	31970	3.292	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	166435	61.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	166435	128.416	ug/l #	10
95) Naphthalene	15.41	128	52185	4.572	ug/l	98

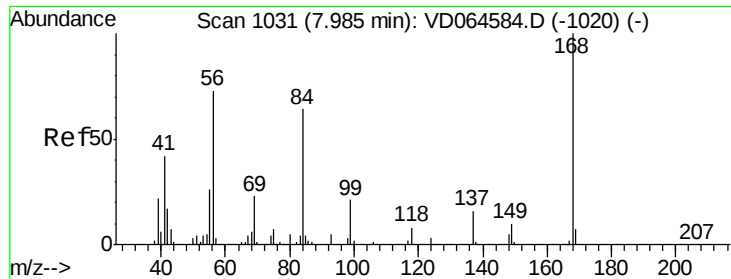
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010220\
Data File : VD064713.D
Acq On : 02 Jan 2020 13:08
Operator : VA/SY
Sample : K6113-16
Misc : 8.16G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

Quant Time: Jan 03 00:24:04 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: VD064713.D

Acq: 02 Jan 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

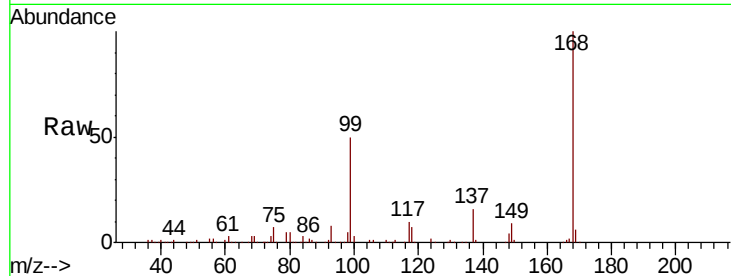
OR-02-123119

Tot Ion:168 Resp: 559435

Ion Ratio Lower Upper

168 100

99 50.3 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

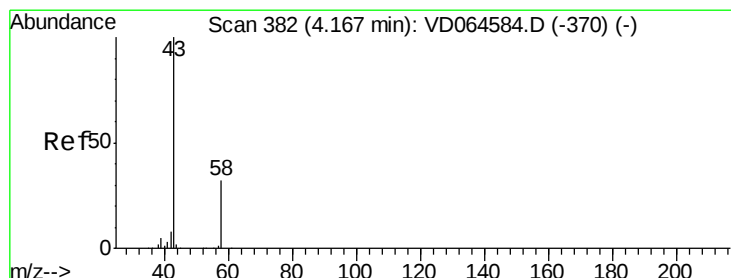
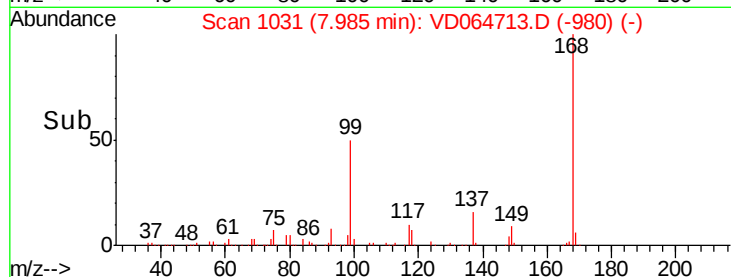
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 10.354 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064713.D

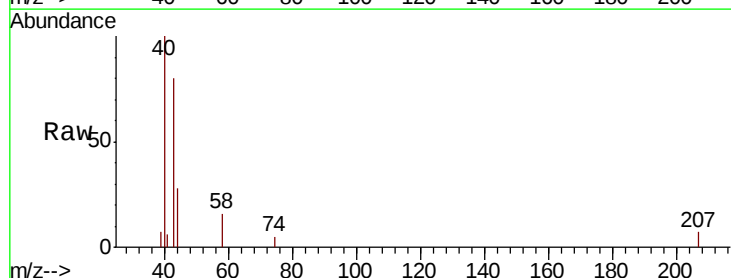
Acq: 02 Jan 2020 13:08

Tgt Ion: 43 Resp: 7273

Ion Ratio Lower Upper

43 100

58 20.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

3000

2500

2000

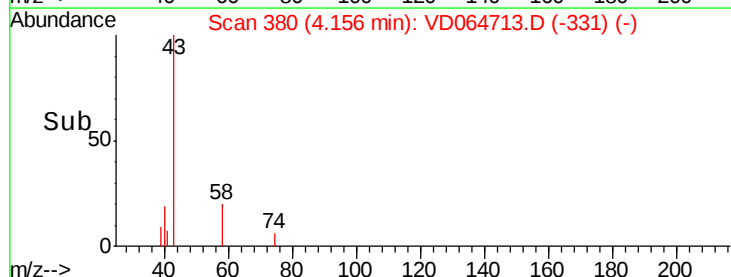
1500

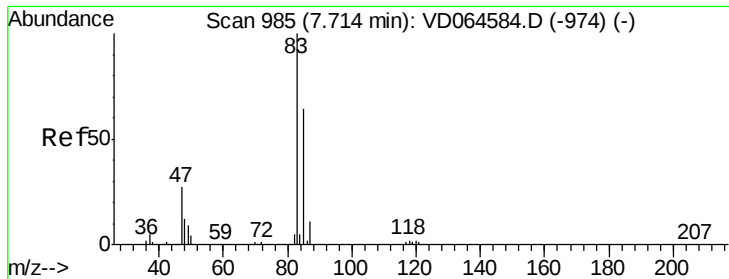
1000

500

0

Time-->

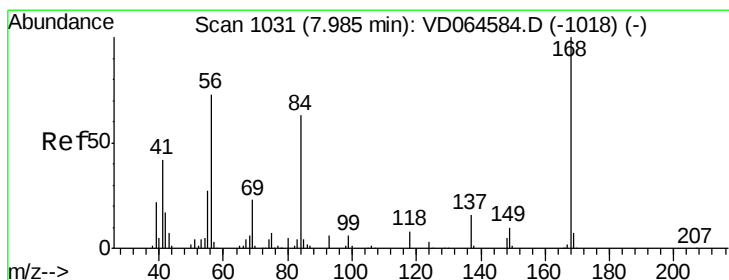
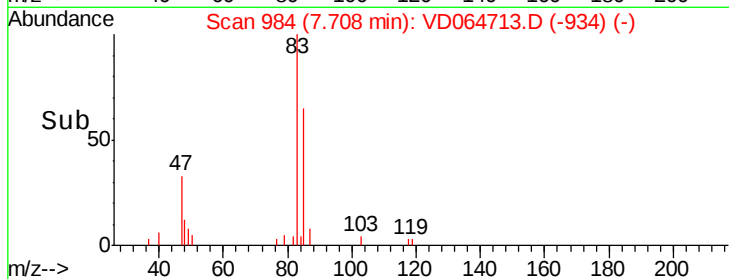
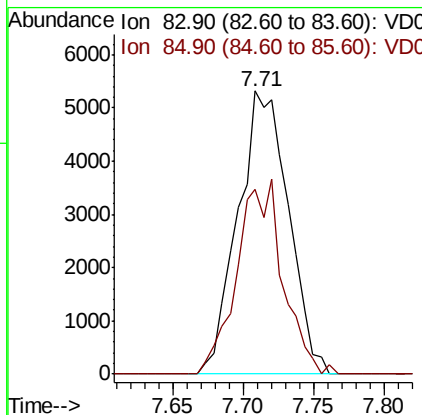
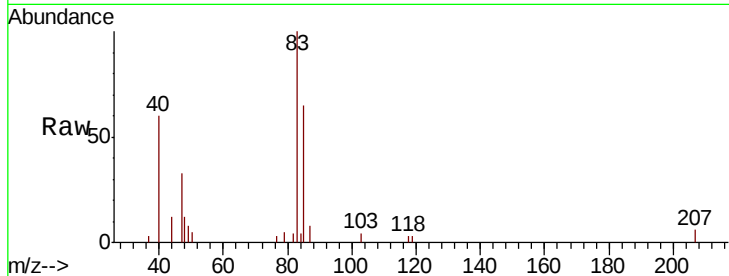




#30
Chloroform
Concen: 1.385 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

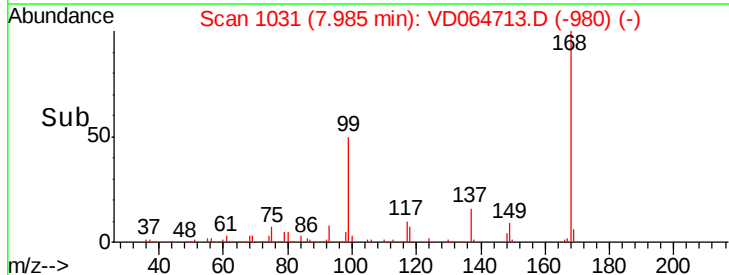
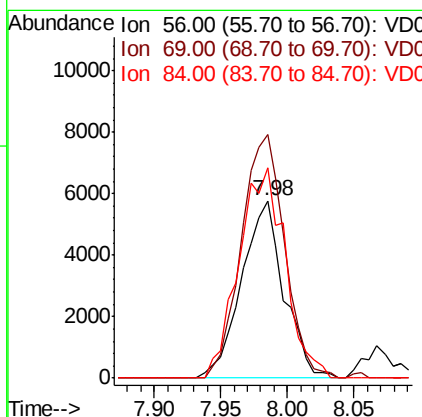
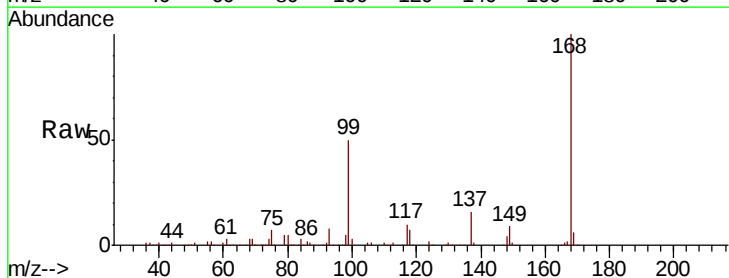
Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

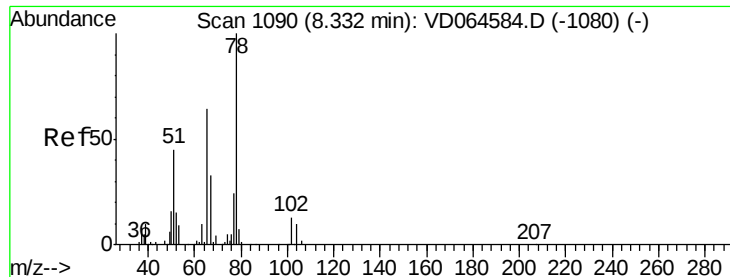
Tot Ion: 83 Resp: 13356
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

Tgt Ion: 56 Resp: 12651
Ion Ratio Lower Upper
56 100
69 137.5 24.7 37.1#
84 118.7 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.382 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064713.D

Acq: 02 Jan 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

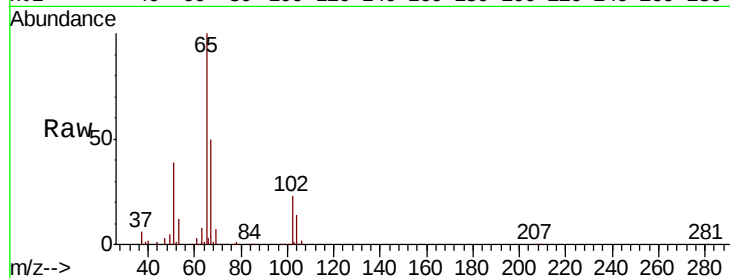
OR-02-123119

Tot Ion: 65 Resp: 248534

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

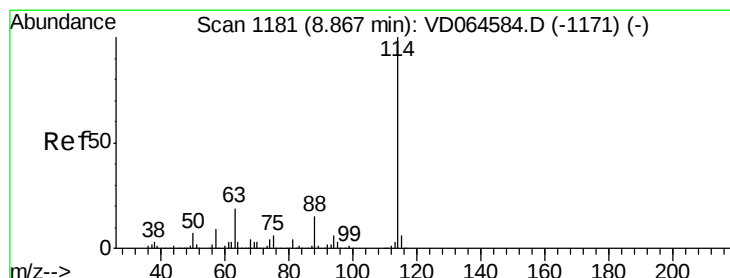
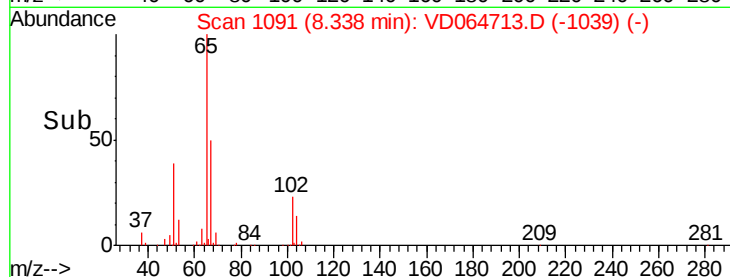
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064713.D

Acq: 02 Jan 2020 13:08

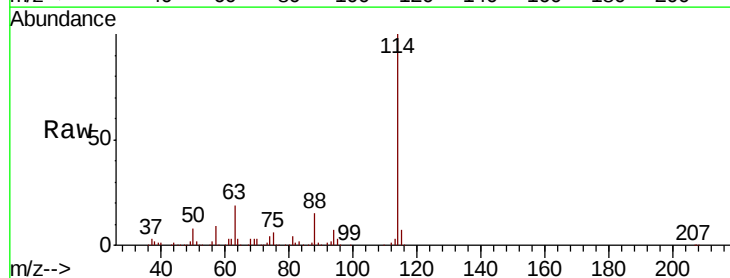
Tgt Ion:114 Resp: 833592

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.0

88 15.0 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

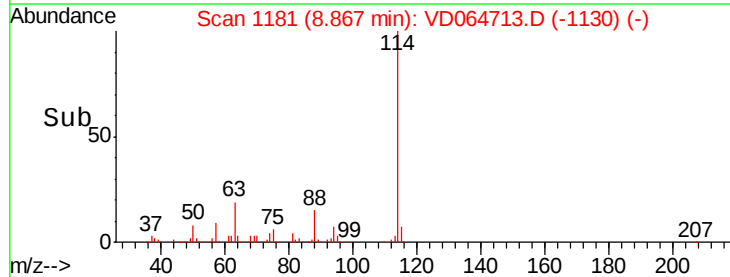
300000

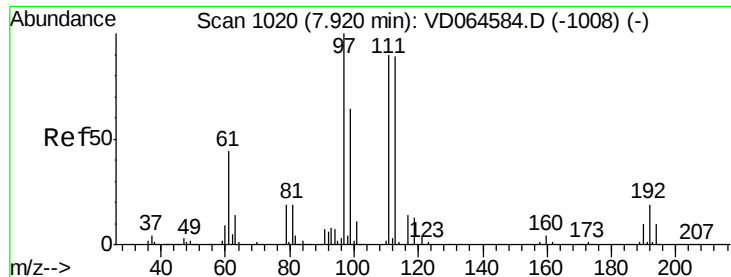
200000

100000

0

Time--> 8.80 8.90

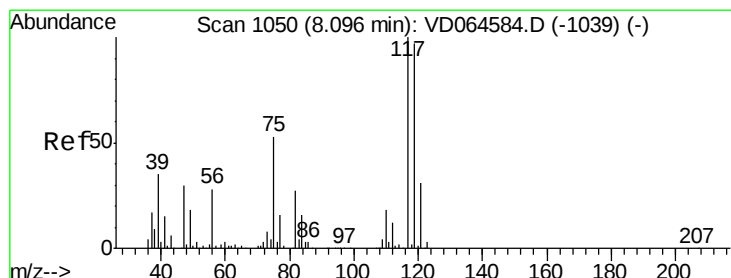
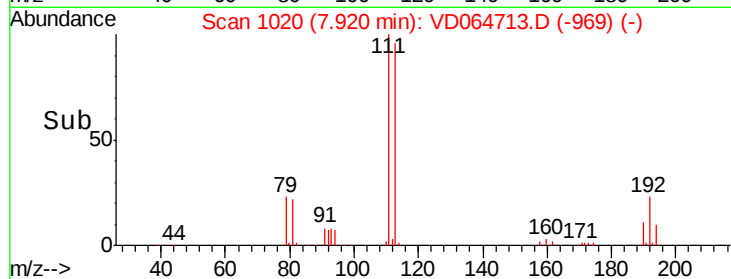
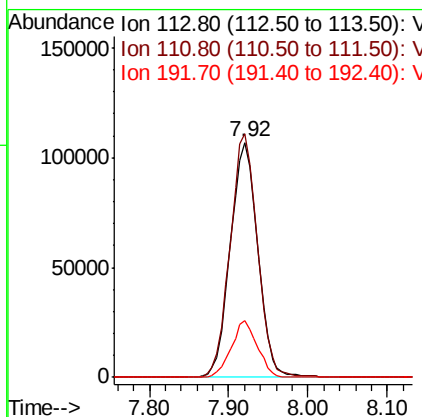
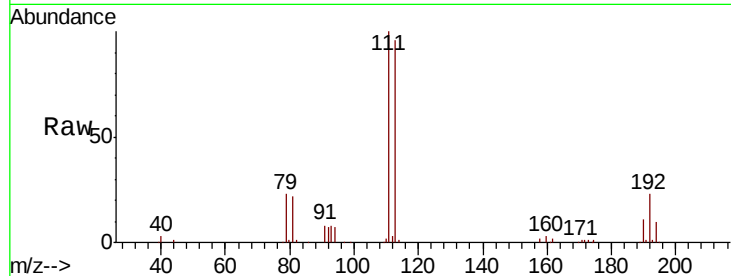




#35
 Dibromofluoromethane
 Concen: 50.382 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064713.D
 Acq: 02 Jan 2020 13:08

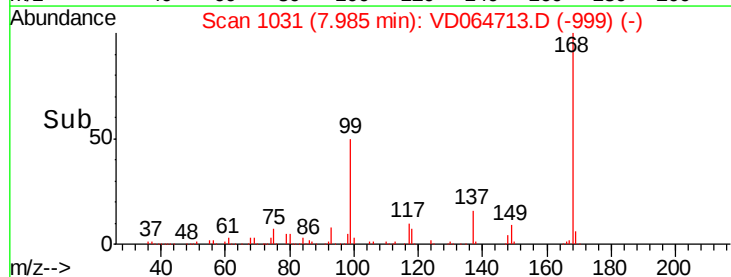
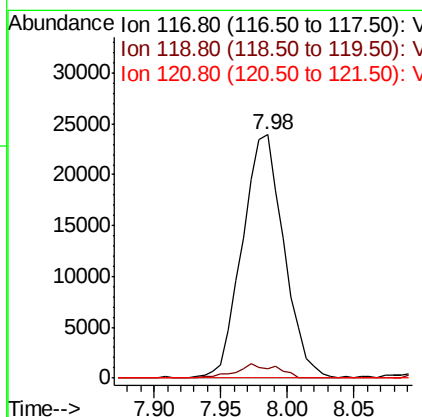
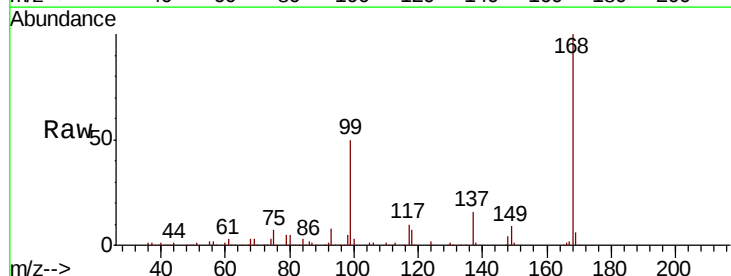
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-123119

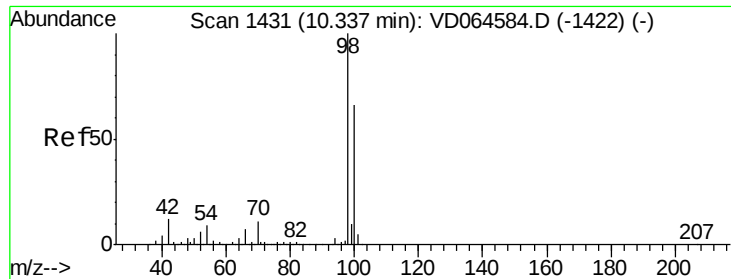
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	121.0
192	22.8	17.9	26.9



#38
 Carbon Tetrachloride
 Concen: 6.041 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064713.D
 Acq: 02 Jan 2020 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.3	115.9#
121	0.0	25.0	37.6#

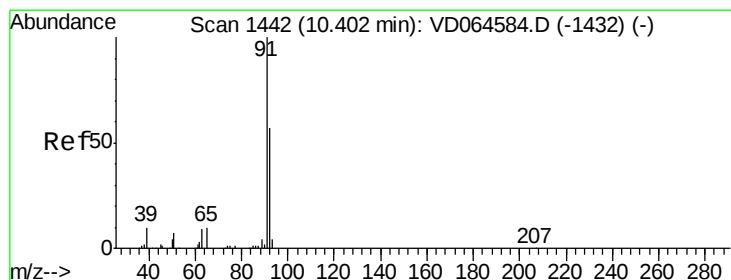
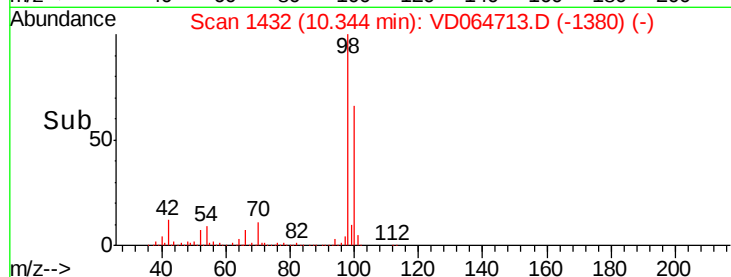
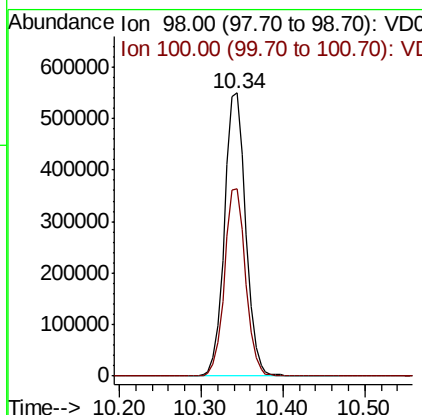
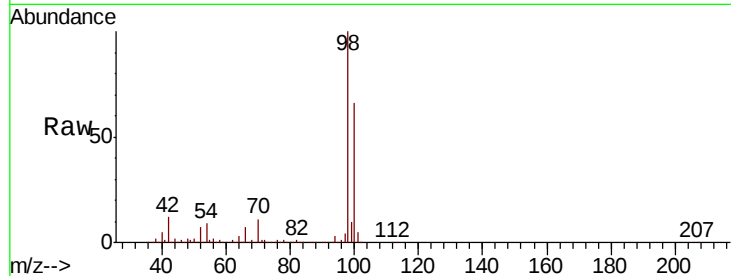




#50
Toluene-d8
Concen: 50.804 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

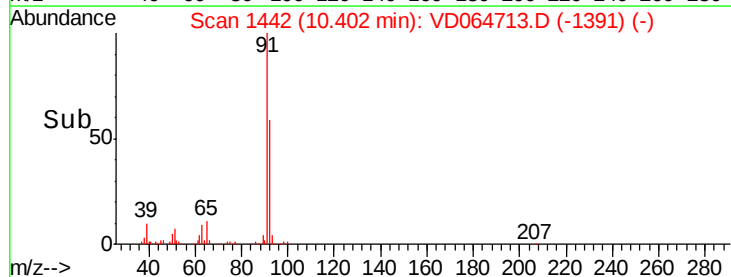
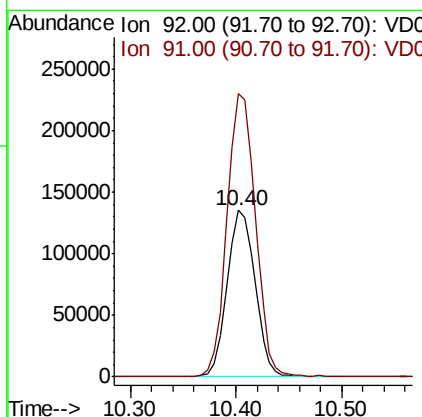
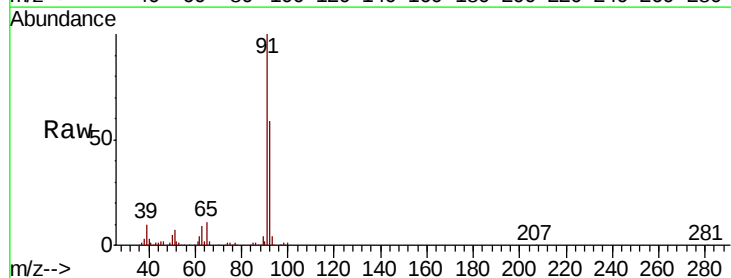
Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

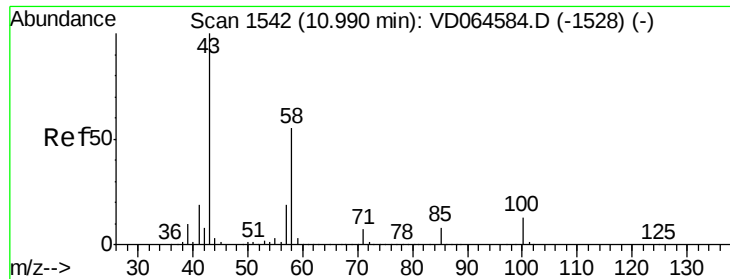
Tot Ion: 98 Resp: 995089
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#52
Toluene
Concen: 17.254 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

Tgt Ion: 92 Resp: 247937
Ion Ratio Lower Upper
92 100
91 172.6 138.7 208.1

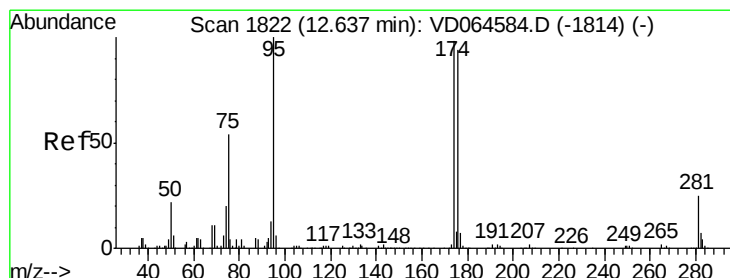
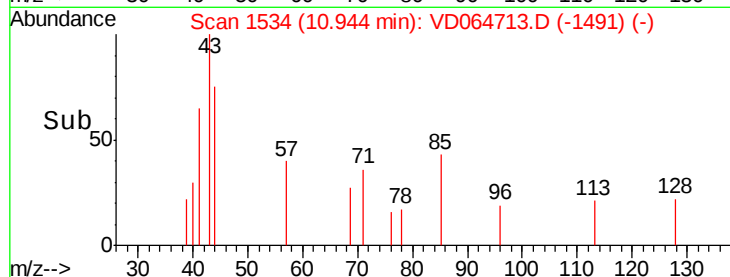
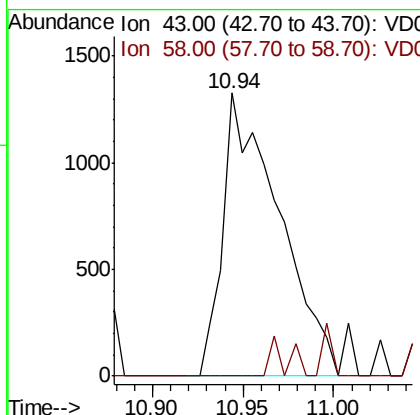
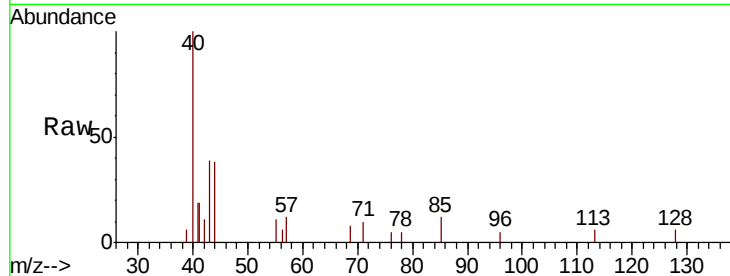




#59
2-Hexanone
Concen: 1.360 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.05 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

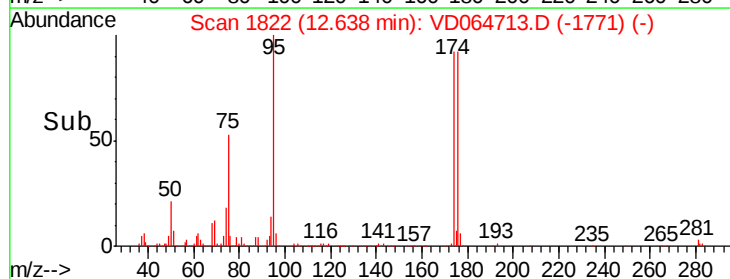
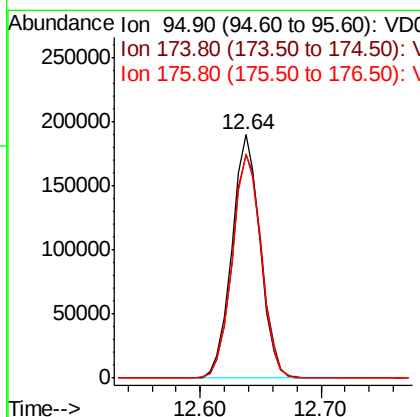
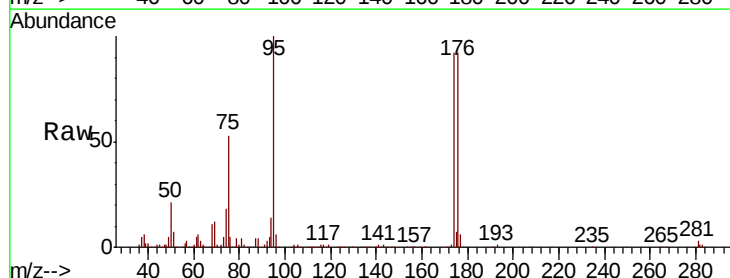
Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

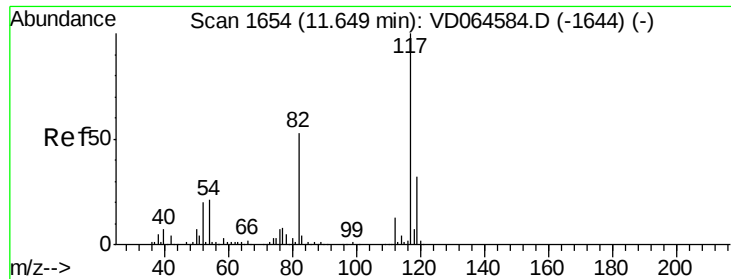
Tot Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

Tgt Ion: 95 Resp: 308352
Ion Ratio Lower Upper
95 100
174 96.0 0.0 193.2
176 94.3 0.0 184.2

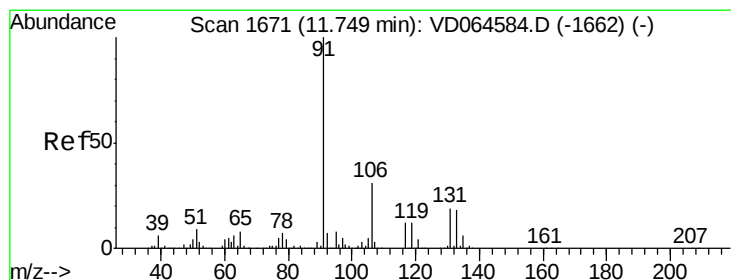
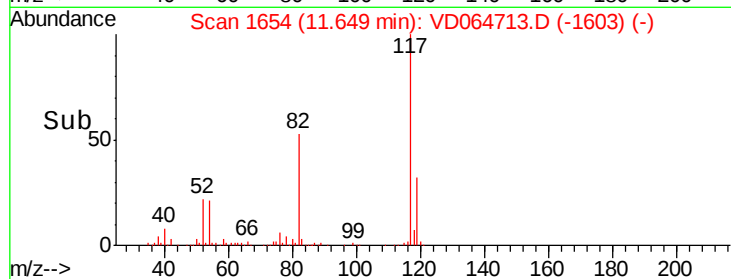
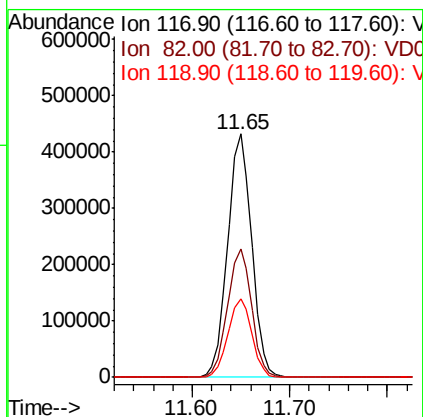
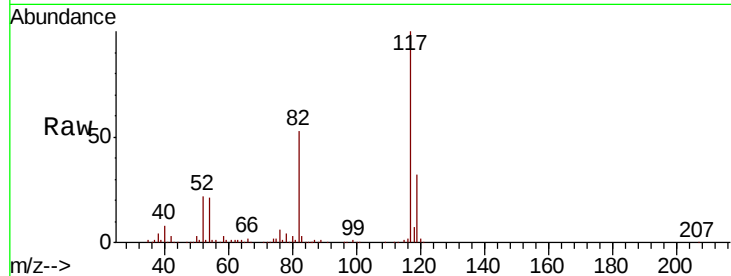




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

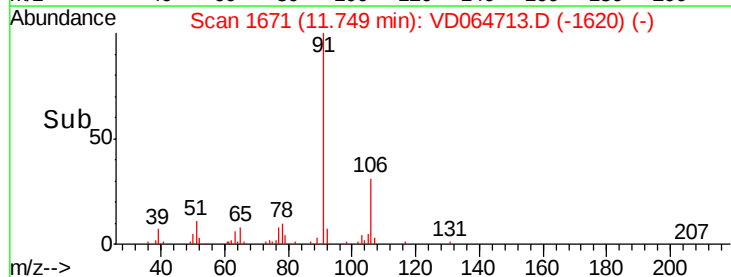
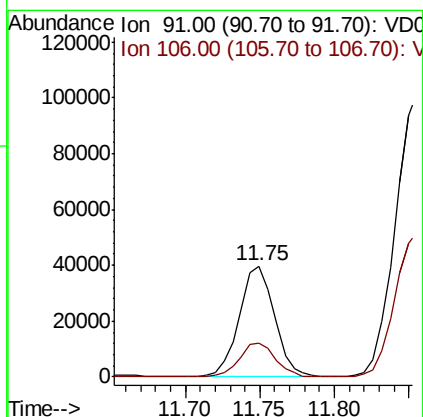
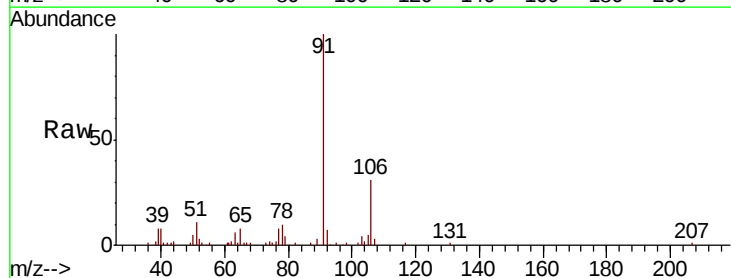
Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

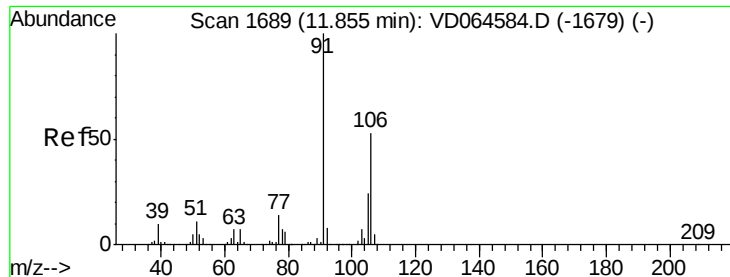
Tot Ion:117 Resp: 739418
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 32.4 26.0 39.0



#67
Ethyl Benzene
Concen: 2.350 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

Tgt Ion: 91 Resp: 65463
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

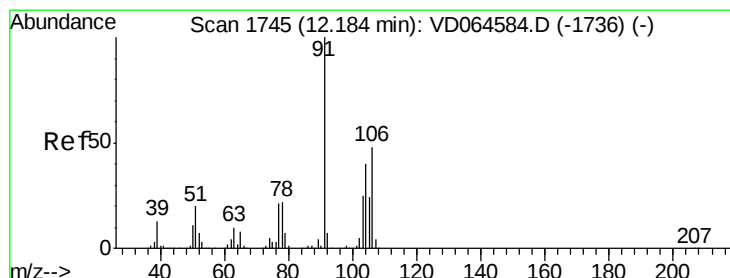
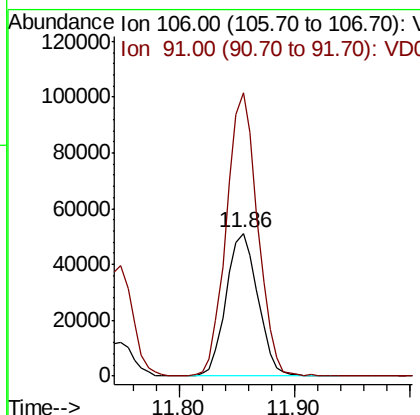
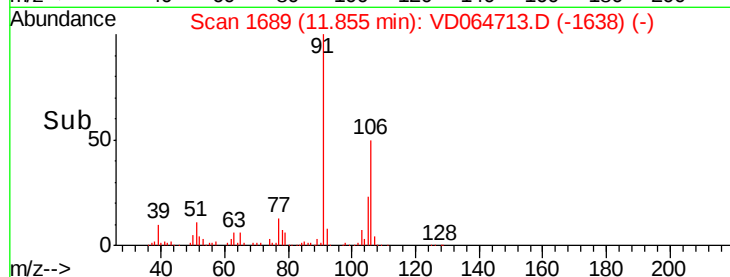
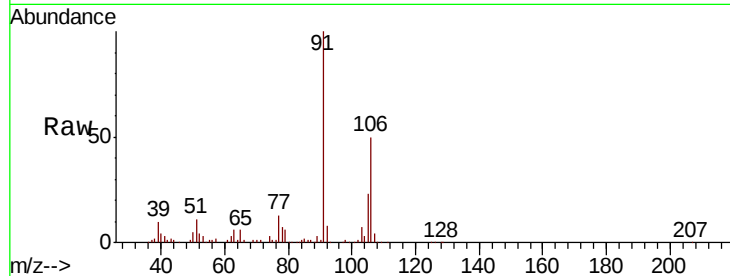




#68
m/p-Xylenes
Concen: 9.073 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

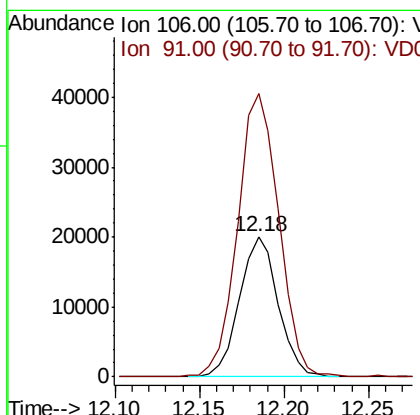
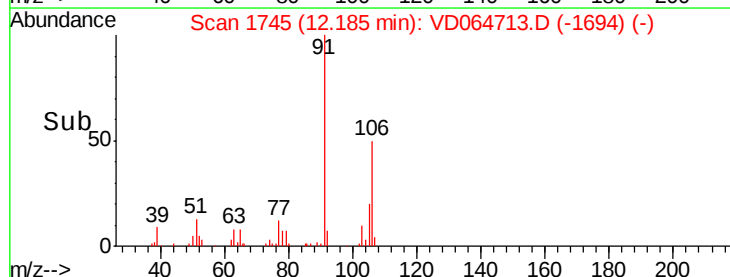
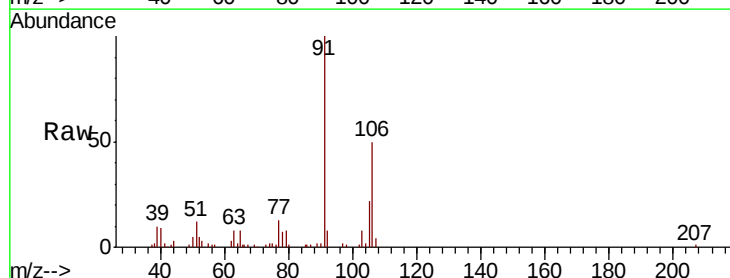
Instrument :
MSVOA_D
ClientSampleId :
OR-02-123119

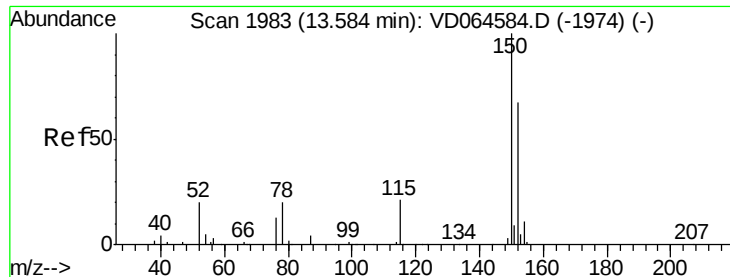
Tot Ion:106 Resp: 97548
Ion Ratio Lower Upper
106 100
91 194.6 156.3 234.5



#69
o-Xylene
Concen: 3.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064713.D
Acq: 02 Jan 2020 13:08

Tgt Ion:106 Resp: 31970
Ion Ratio Lower Upper
106 100
91 215.0 104.8 314.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064713.D

Acq: 02 Jan 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

OR-02-123119

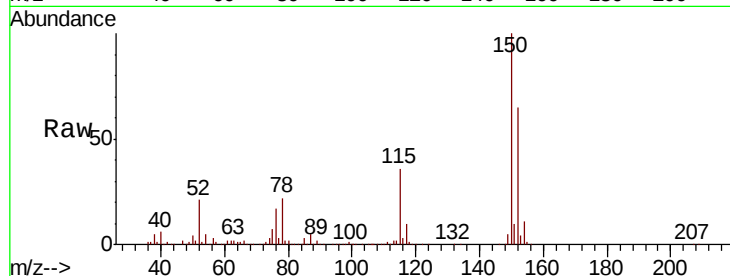
Tot Ion:152 Resp: 343271

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

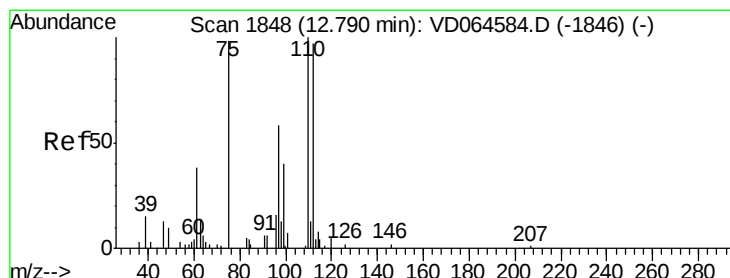
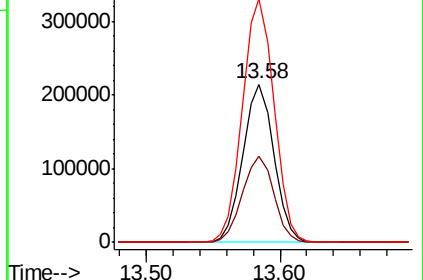
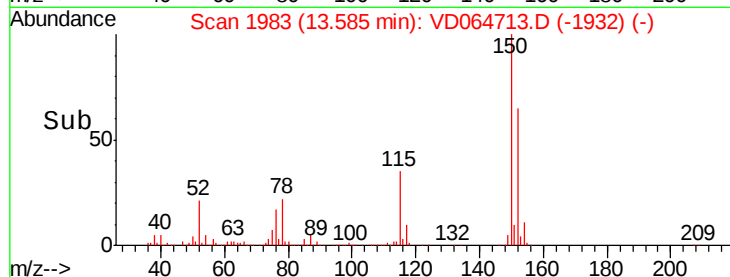
150 157.1 0.0 351.4



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: 61.400 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064713.D

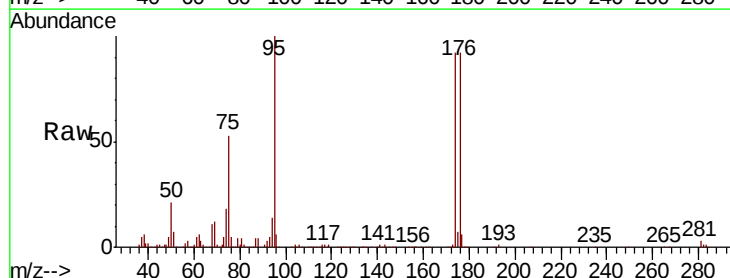
Acq: 02 Jan 2020 13:08

Tgt Ion: 75 Resp: 166435

Ion Ratio Lower Upper

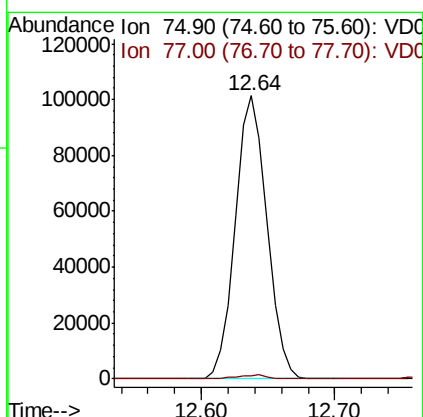
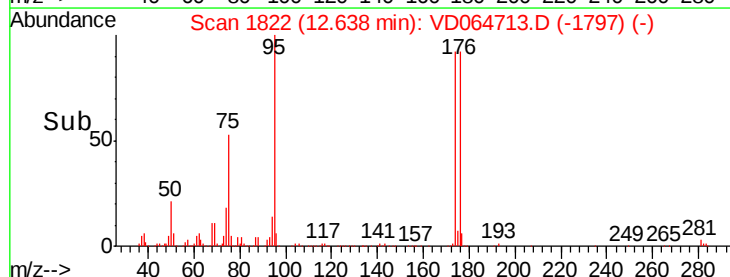
75 100

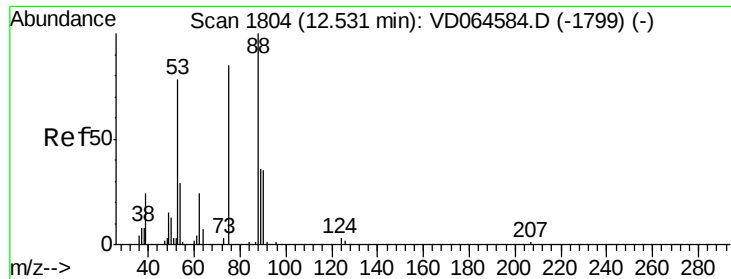
77 1.2 0.0 0.0#



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: 128.416 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064713.D

Acq: 02 Jan 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

OR-02-123119

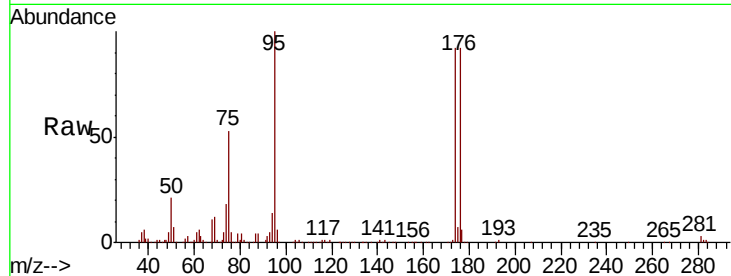
Tot Ion: 75 Resp: 166435

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

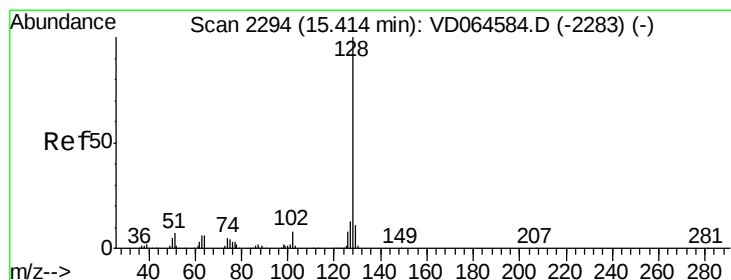
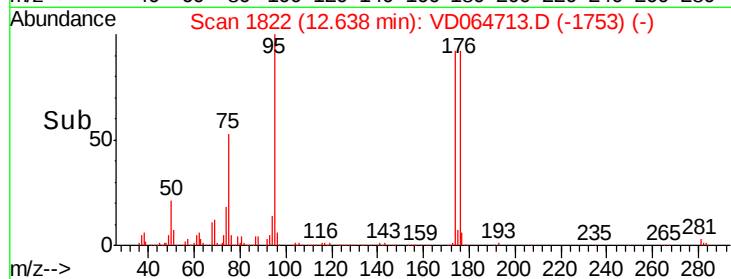
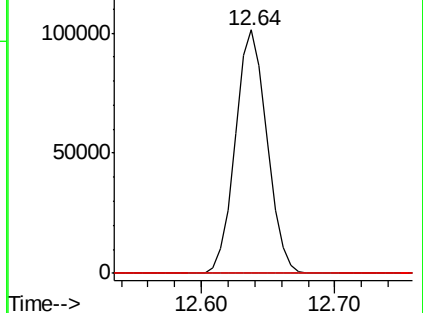
89 0.0 38.3 57.5#



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



#95

Naphthalene

Concen: 4.572 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064713.D

Acq: 02 Jan 2020 13:08

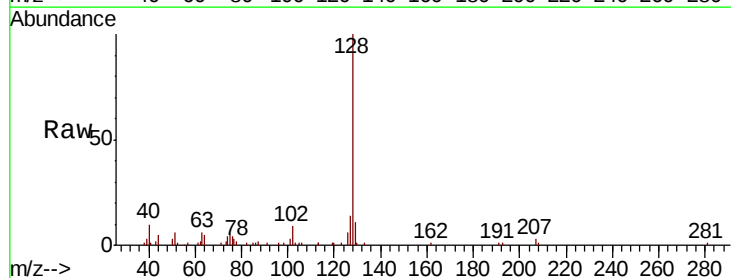
Tgt Ion:128 Resp: 52185

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

129 10.8 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

