

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064593.D
 Acq On : 26 Dec 2019 12:17
 Operator : VA/SY
 Sample : K6401-05
 Misc : 3.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:39:05 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

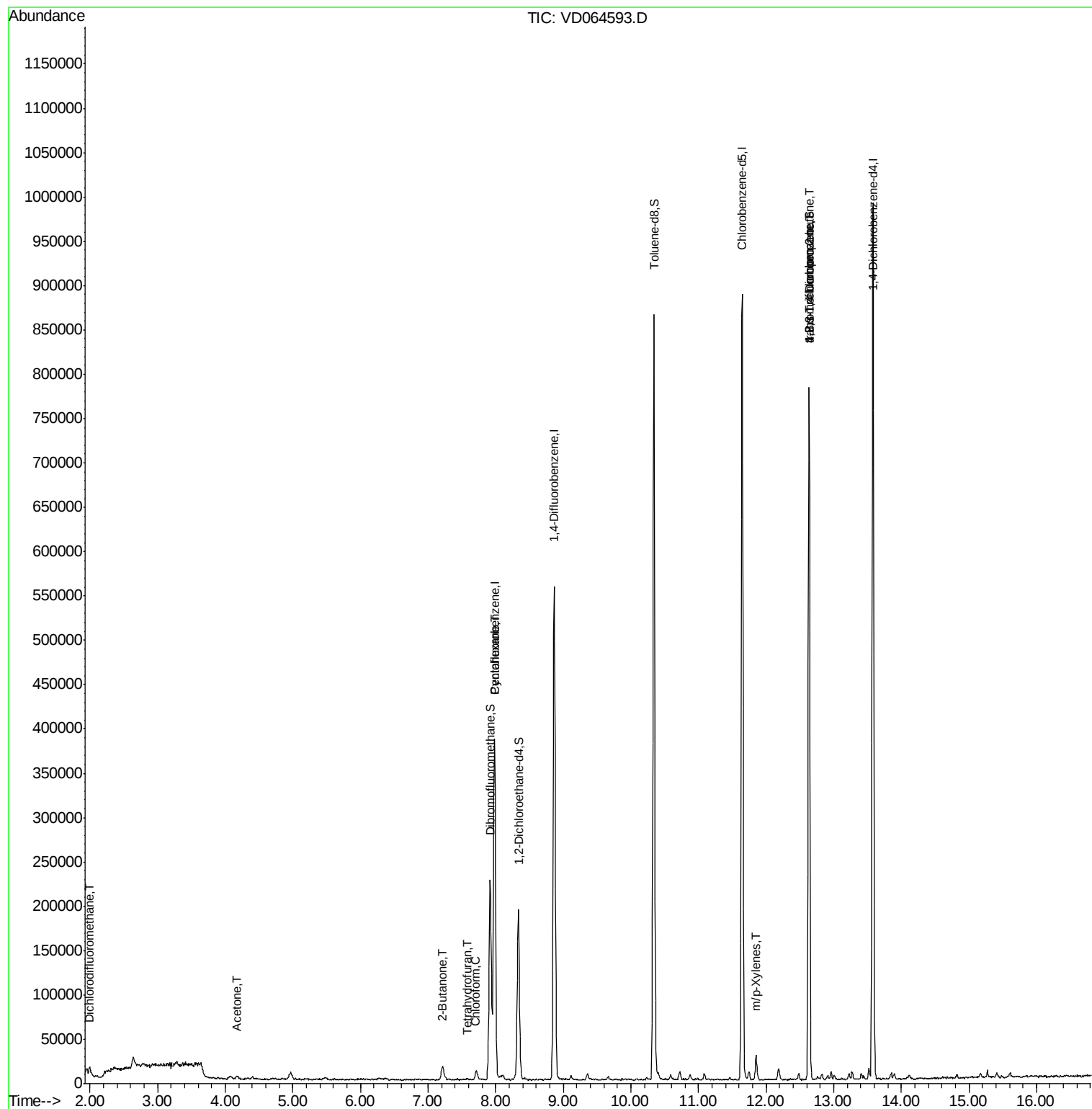
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	297579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	481831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268727	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	152261	58.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.06%	
35) Dibromofluoromethane	7.92	113	154330	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	10.34	98	581442	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	235788	65.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	6263	2.708	ug/l	97
16) Acetone	4.17	43	5680	13.249	ug/l #	88
20) Methylene Chloride	4.96	84	6878	Below Cal	#	76
25) 2-Butanone	7.21	43	1132	1.569	ug/l #	49
29) Tetrahydrofuran	7.58	42	554	1.235	ug/l #	79
30) Chloroform	7.71	83	9439	1.841	ug/l	96
31) Cyclohexane	7.98	56	8608	1.759	ug/l #	24
68) m/p-Xylenes	11.85	106	8655	1.169	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	124991	58.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124991	123.191	ug/l #	10

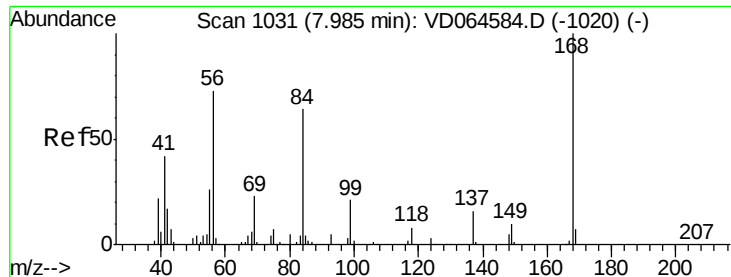
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. 0.00 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

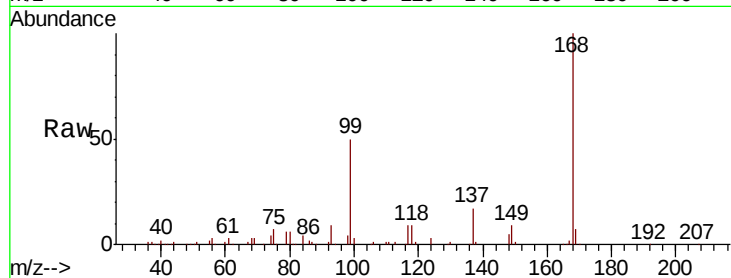
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 297579

Ion Ratio Lower Upper

168 100

99 50.1 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

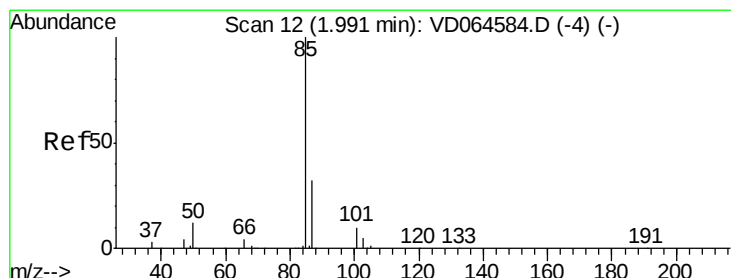
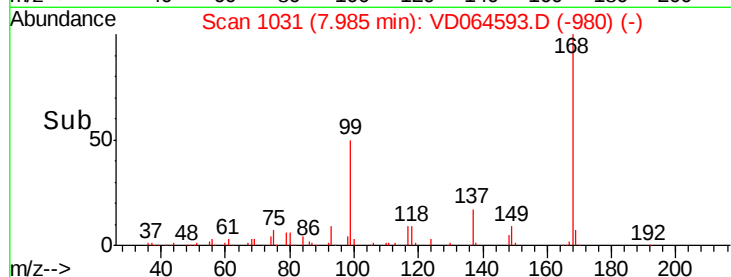
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.708 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064593.D

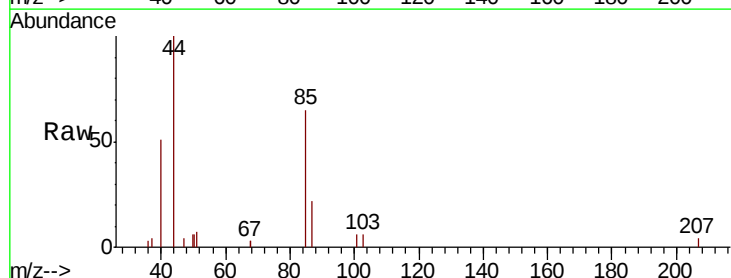
Acq: 26 Dec 2019 12:17

Tgt Ion: 85 Resp: 6263

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

5000

4000

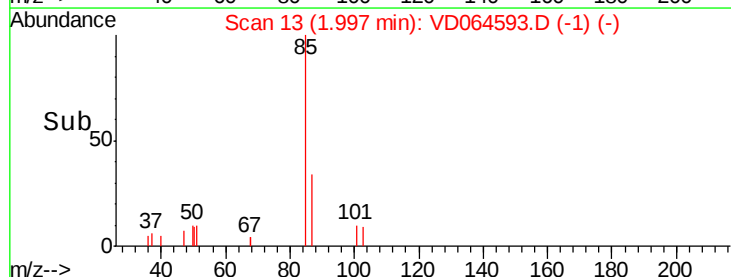
3000

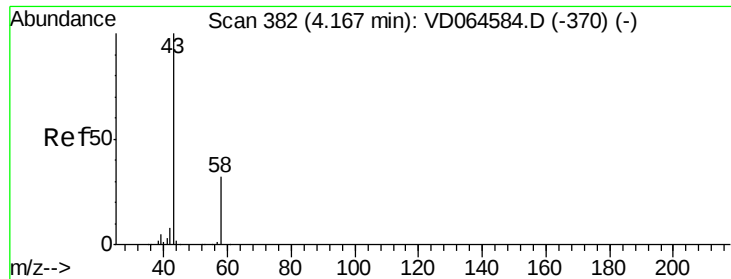
2000

1000

0

Time-->





#16

Acetone

Concen: 13.249 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

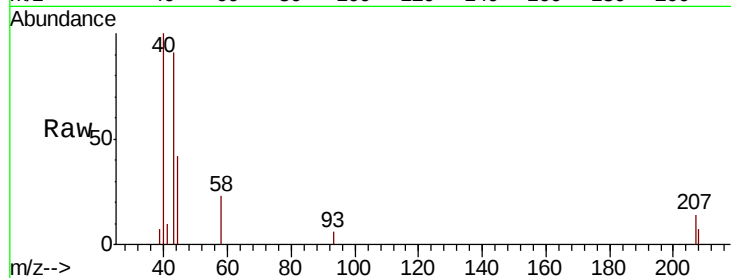
ClientSampled :

Tot Ion: 43 Resp: 5680

Ion Ratio Lower Upper

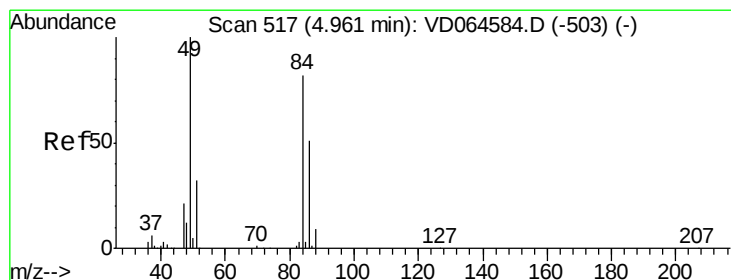
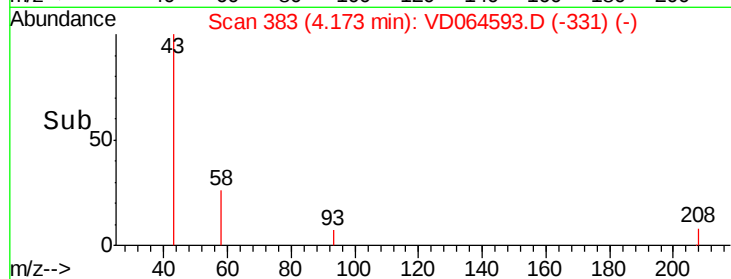
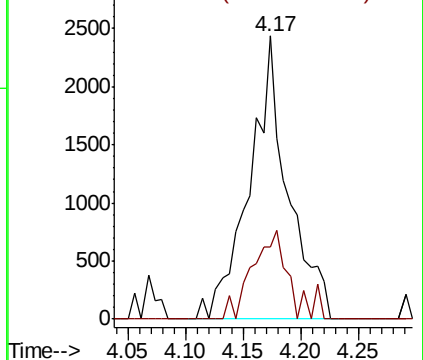
43 100

58 25.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Tgt Ion: 84 Resp: 6878

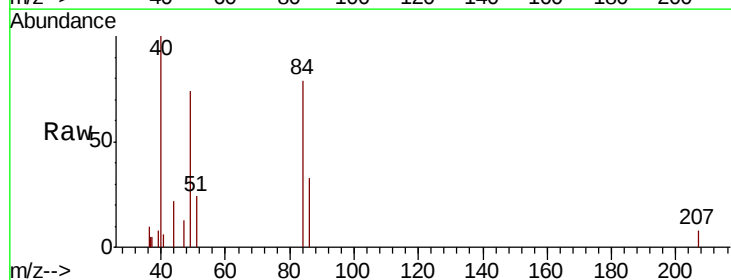
Ion Ratio Lower Upper

84 100

49 93.1 97.2 145.8#

51 30.0 31.4 47.0#

86 41.5 49.3 73.9#

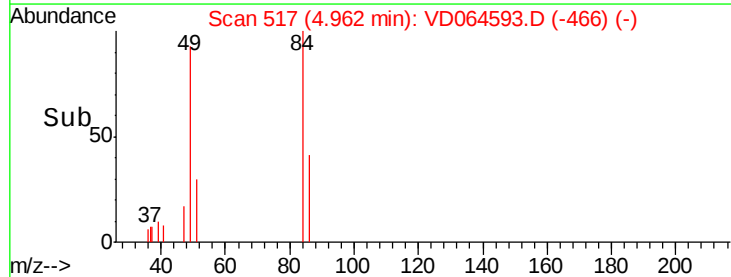
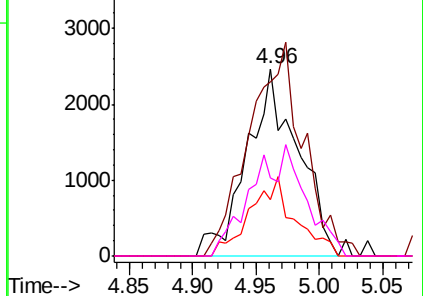


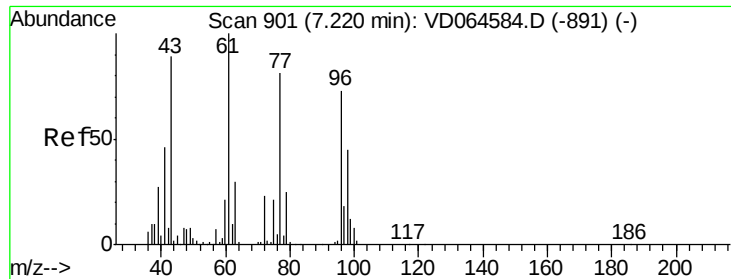
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

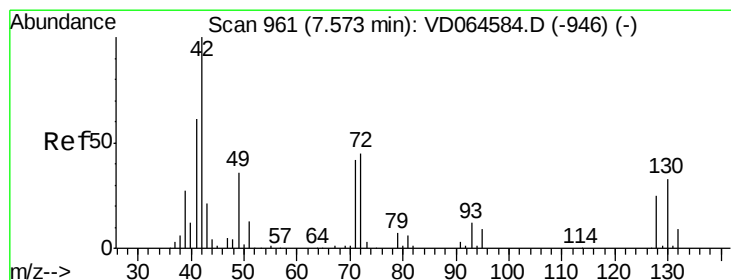
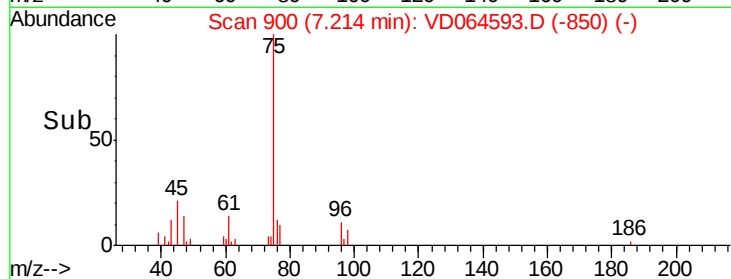
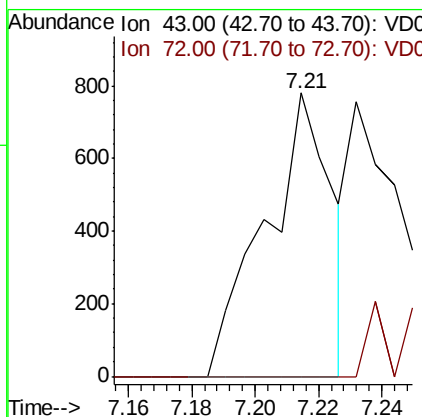
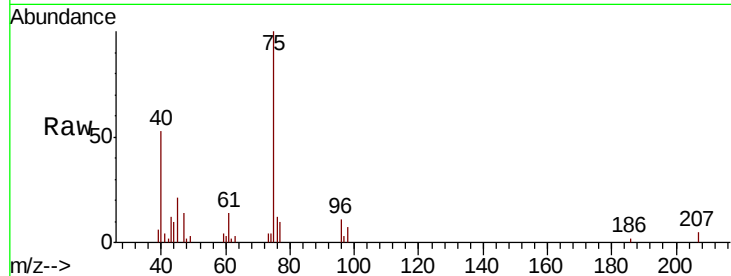




#25
2-Butanone
Concen: 1.569 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

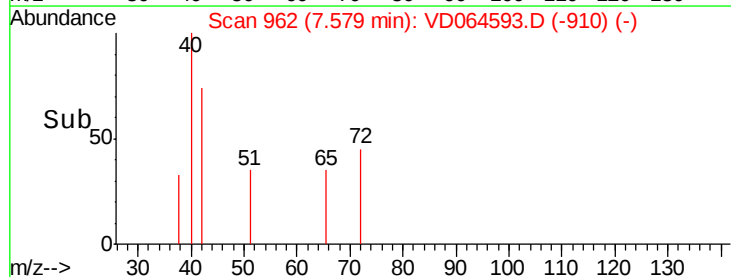
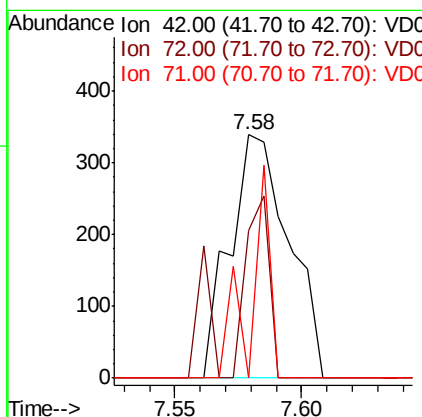
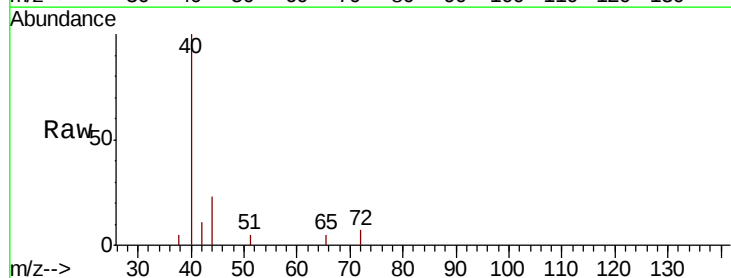
Instrument :
MSVOA_D
ClientSampleId :

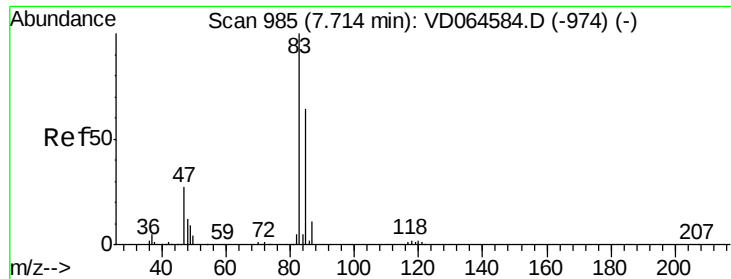
Tot Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#29
Tetrahydrofuran
Concen: 1.235 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 29.2 35.0 52.4#
71 28.7 32.9 49.3#

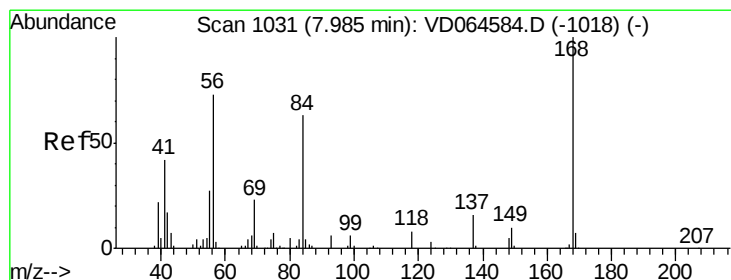
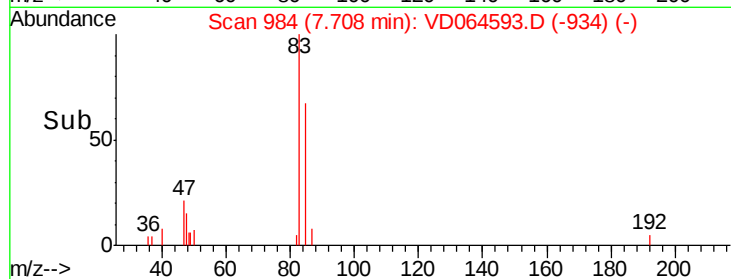
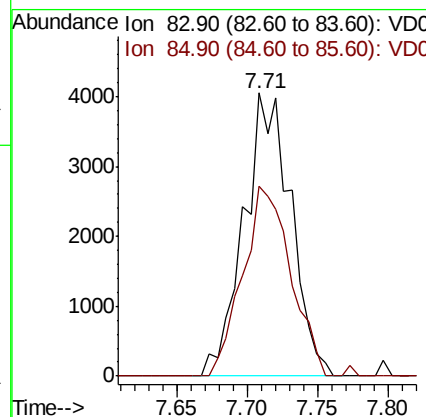
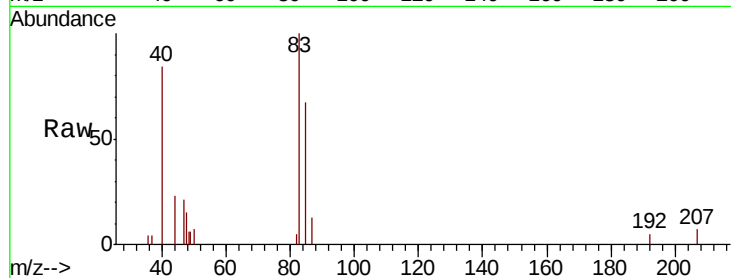




#30
Chloroform
Concen: 1.841 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

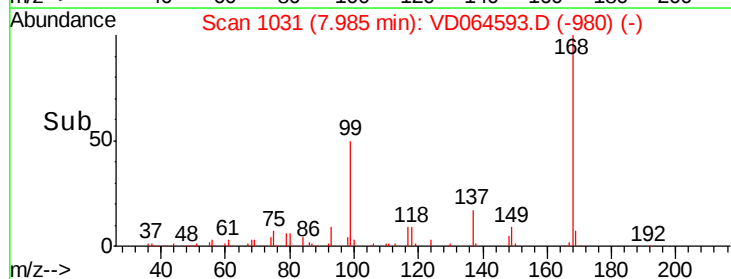
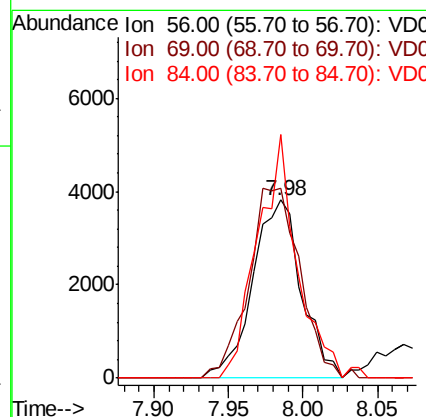
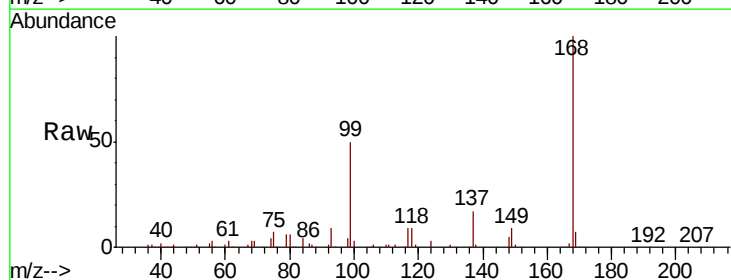
Instrument :
MSVOA_D
ClientSampleId :

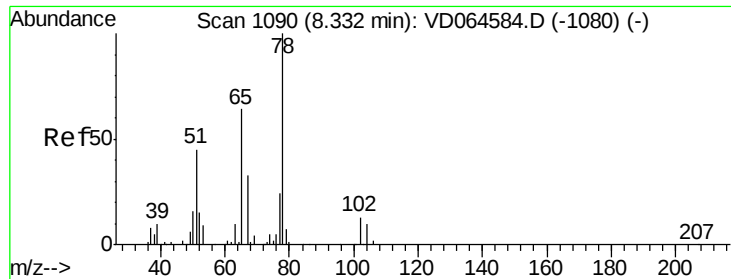
Tot Ion: 83 Resp: 9439
Ion Ratio Lower Upper
83 100
85 67.3 51.1 76.7



#31
Cyclohexane
Concen: 1.759 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion: 56 Resp: 8608
Ion Ratio Lower Upper
56 100
69 106.5 24.7 37.1#
84 137.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 58.026 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

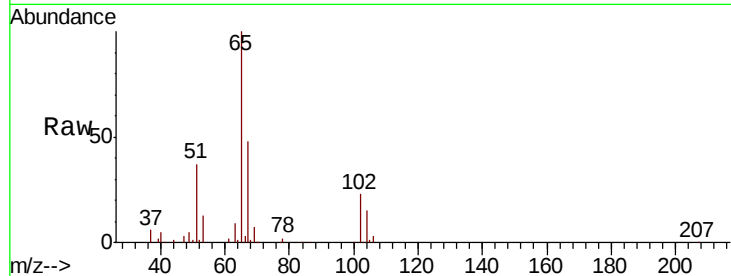
ClientSampleId :

Tot Ion: 65 Resp: 152261

Ion Ratio Lower Upper

65 100

67 50.7 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

60000

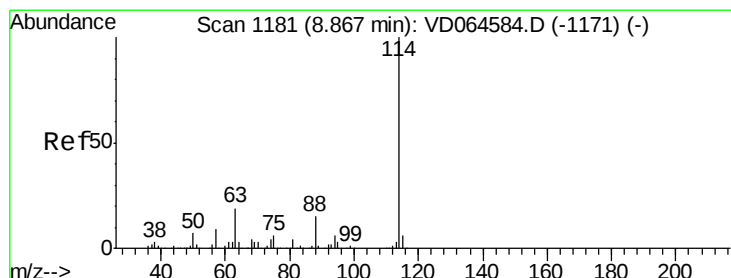
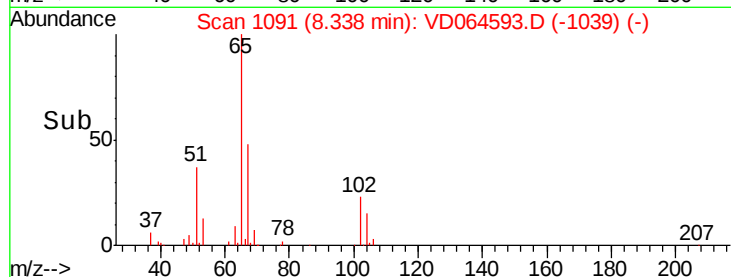
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

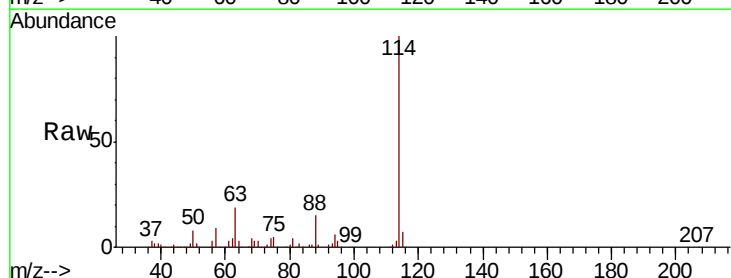
Tgt Ion: 114 Resp: 481831

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 14.6 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

300000

250000

200000

150000

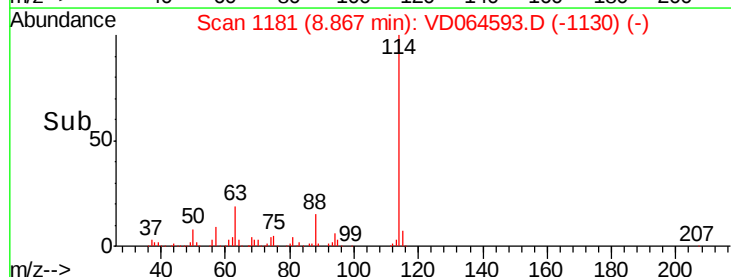
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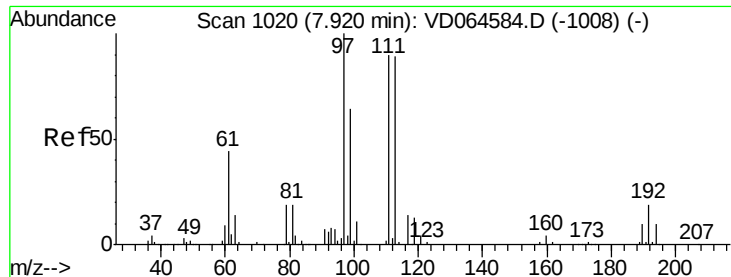
50000

0

8.70 8.80 8.90 9.00

Time-->

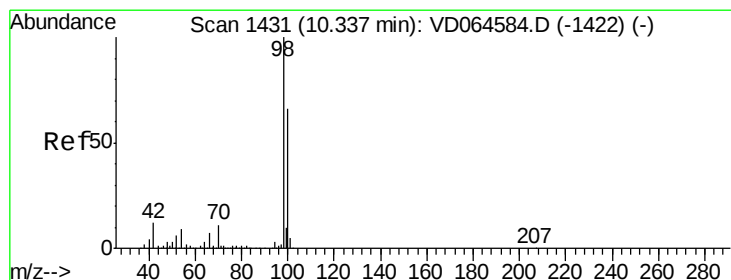
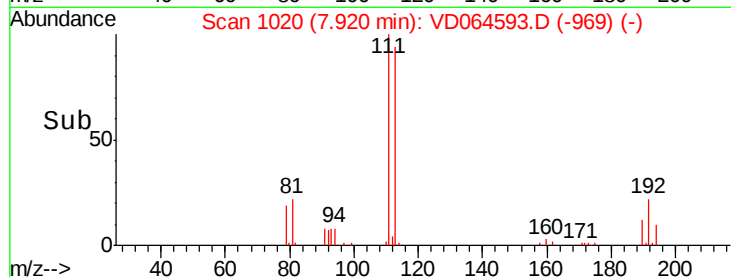
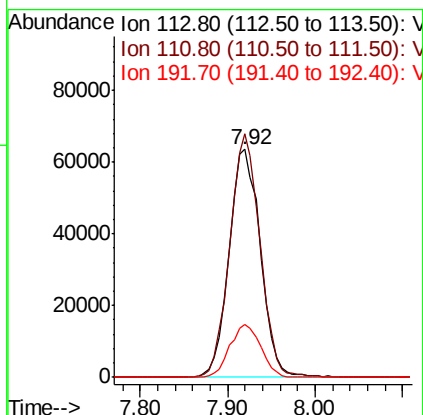
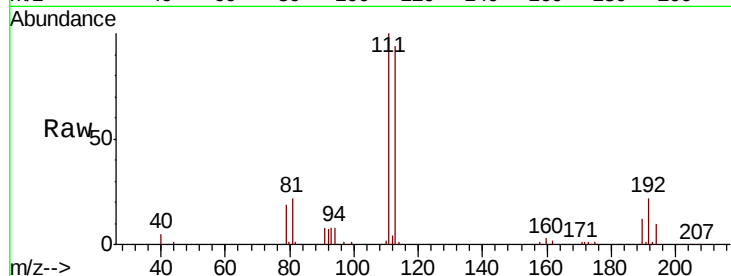




#35
Dibromofluoromethane
Concen: 52.207 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

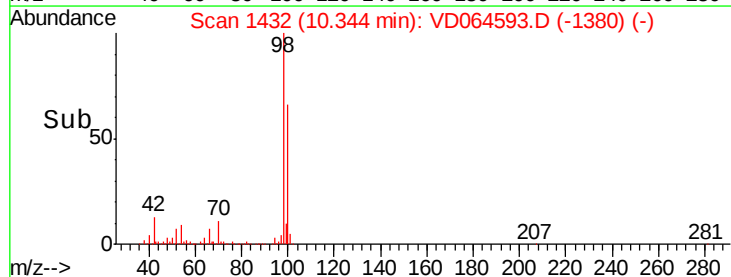
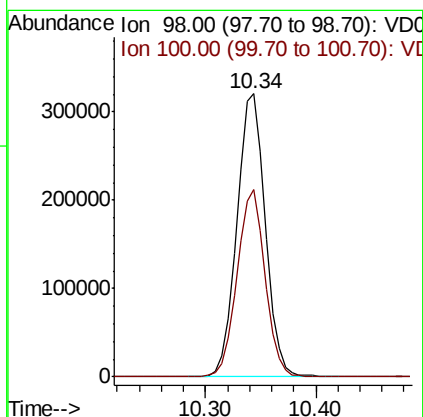
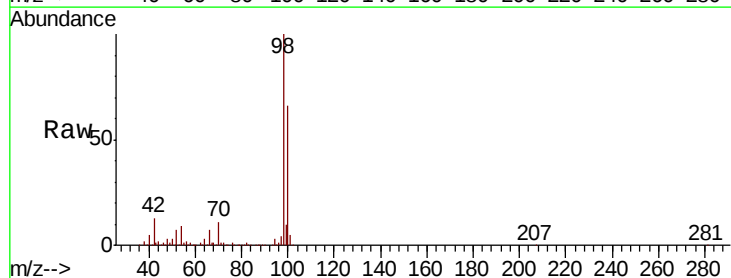
Instrument :
MSVOA_D
ClientSampled :

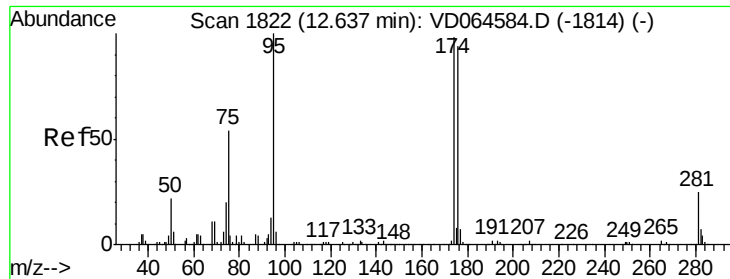
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	23.2	17.9	26.9



#50
Toluene-d8
Concen: 51.357 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5

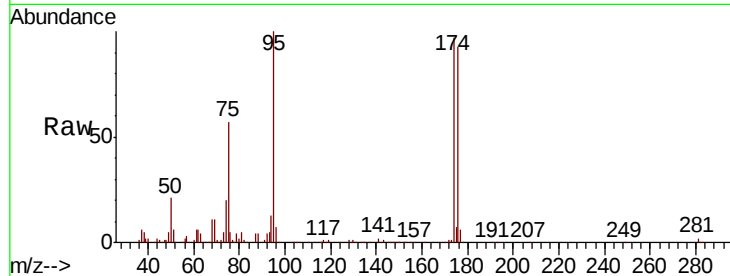




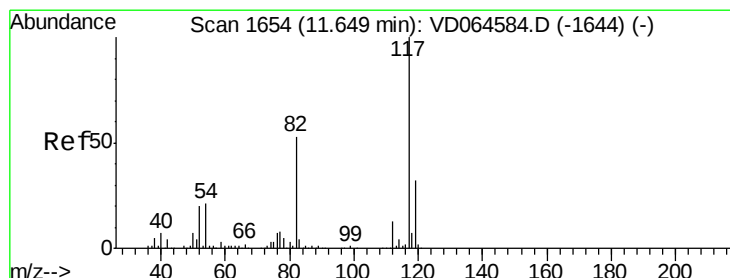
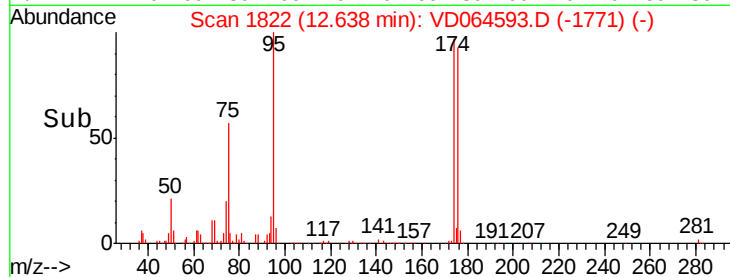
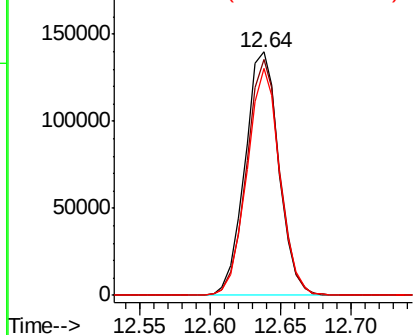
#62
4-Bromofluorobenzene
Concen: 65.862 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	193.2
176	90.4	0.0	184.2

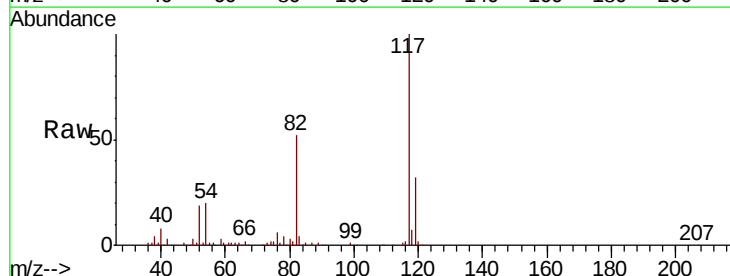


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

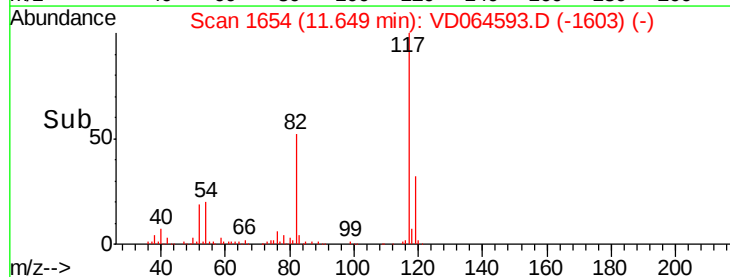
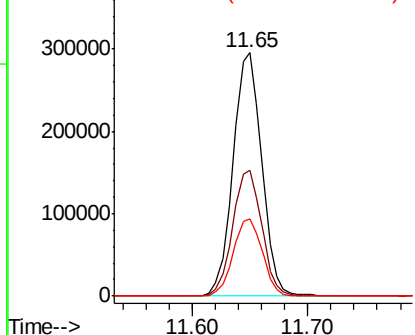


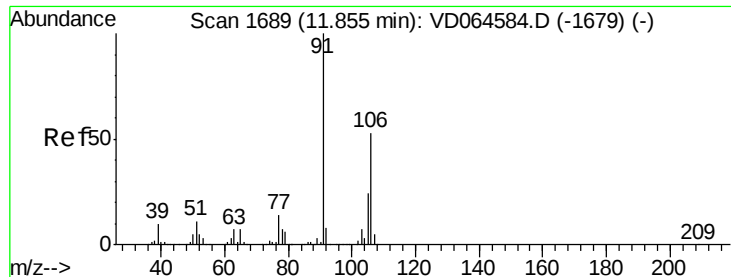
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	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

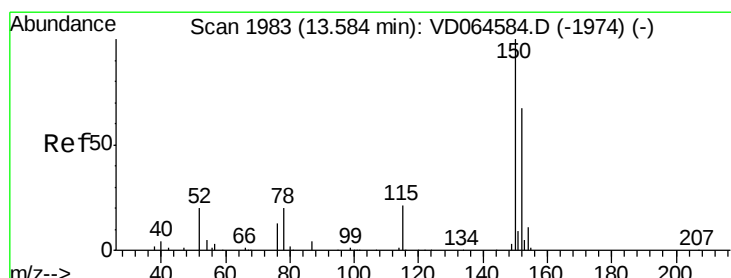
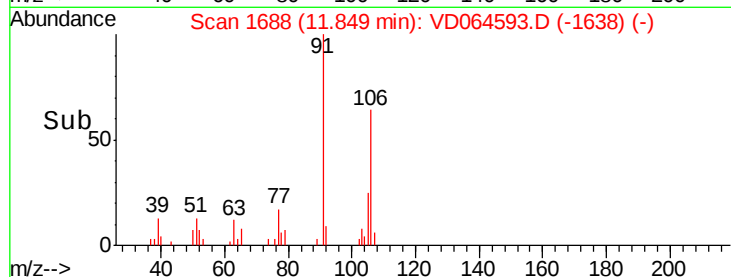
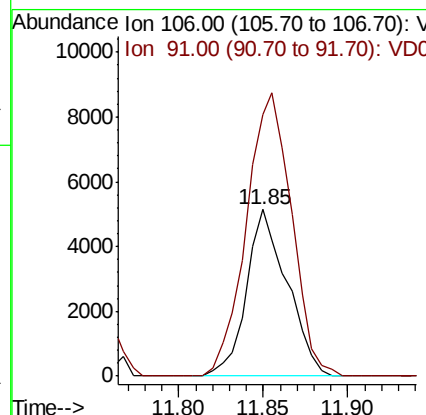
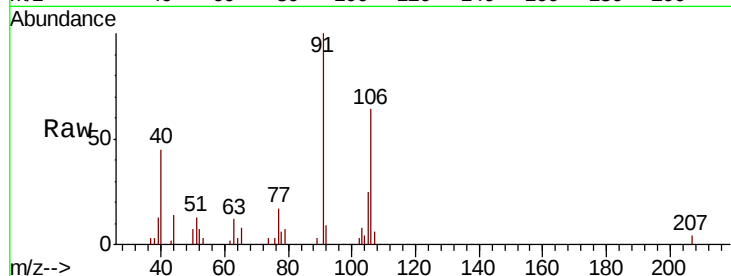




#68
m/p-Xvlenes
Concen: 1.169 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

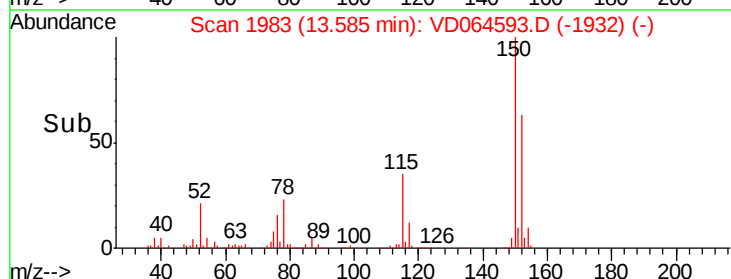
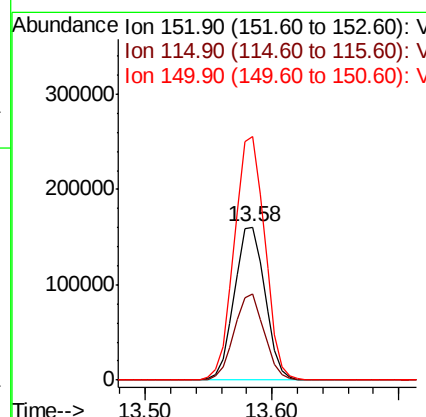
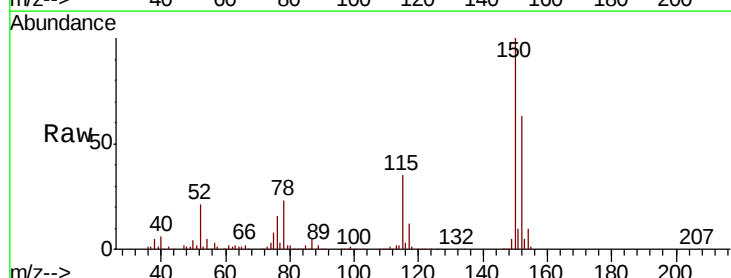
Instrument :
MSVOA_D
ClientSampleId :

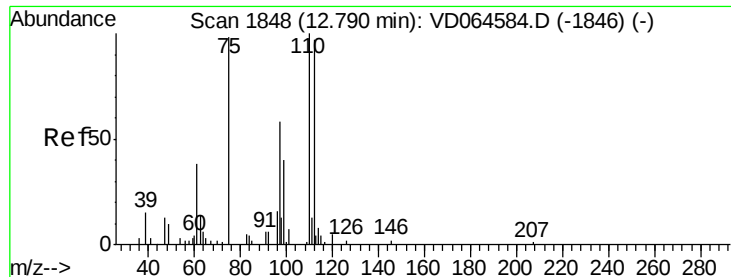
Tot Ion:106 Resp: 8655
Ion Ratio Lower Upper
106 100
91 188.2 156.3 234.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion:152 Resp: 268727
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 158.8 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 58.901 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

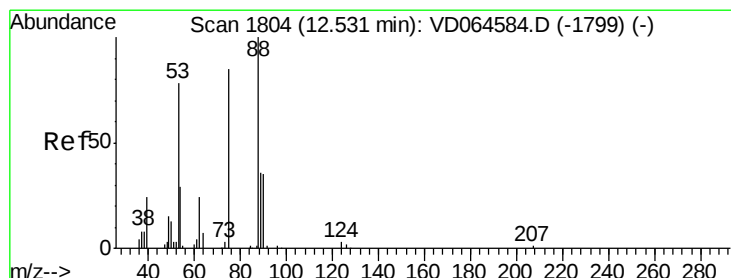
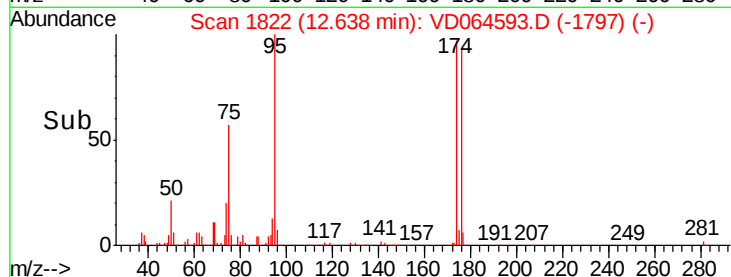
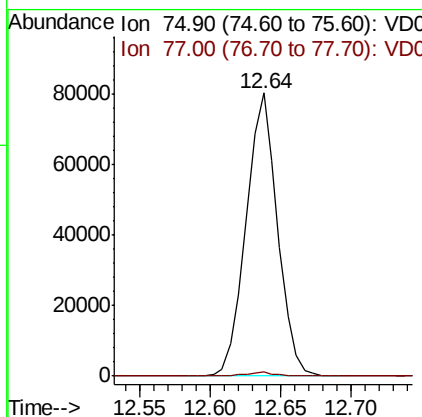
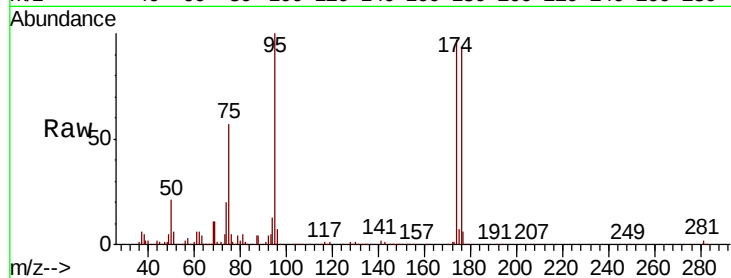
ClientSampleId :

Tot Ion: 75 Resp: 124991

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.191 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Tgt Ion: 75 Resp: 124991

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

