

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064422.D
 Acq On : 04 Dec 2019 17:45
 Operator : VA/SY
 Sample : K6145-01
 Misc : 7.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

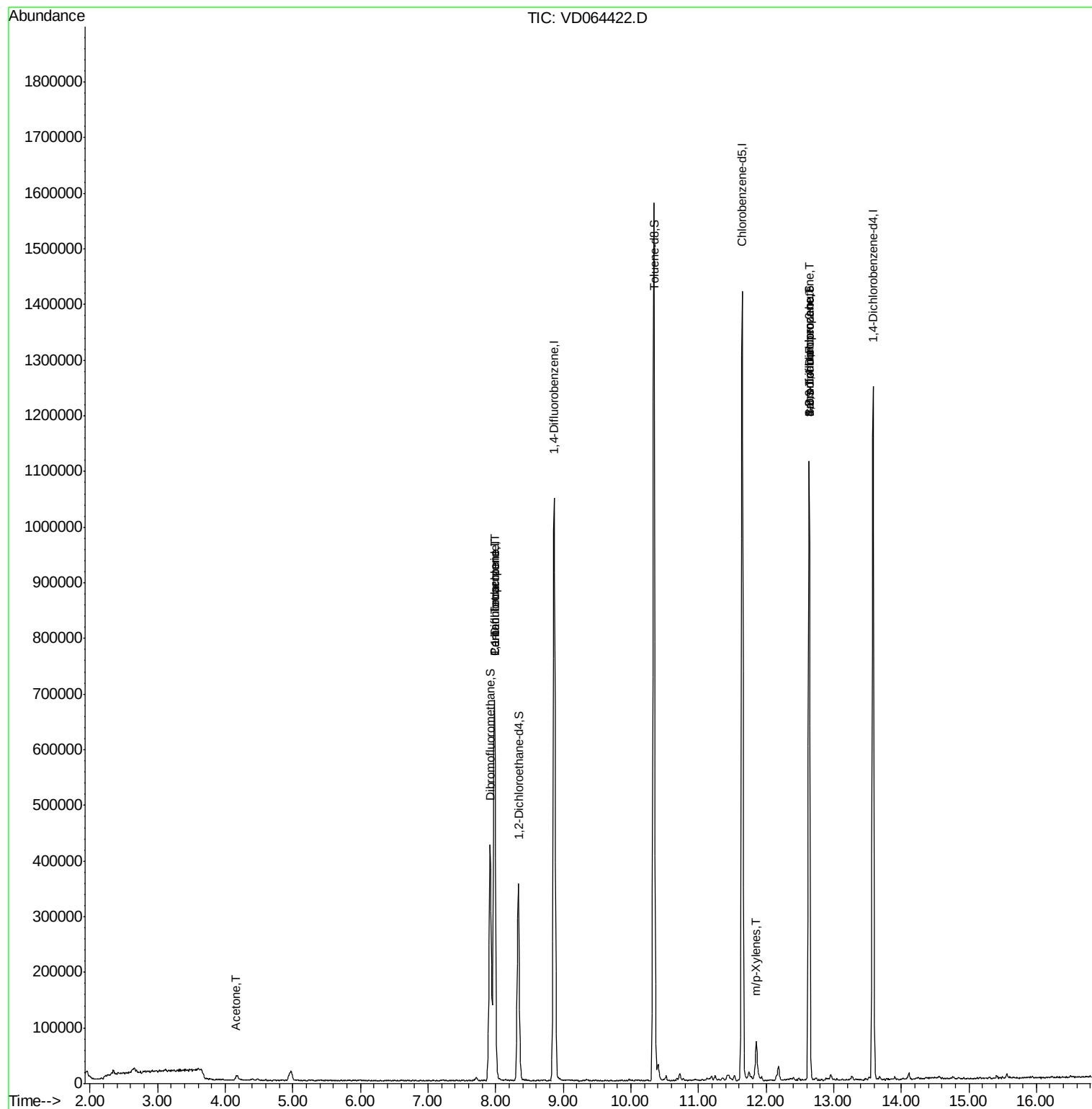
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	560168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	930039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	826911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340408	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	270026	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.92	113	293021	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.34	98	1103422	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	337332	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	7177	7.005	ug/l	91
20) Methylene Chloride	4.97	84	13441	Below Cal	#	64
31) Cyclohexane	7.98	56	11804	Below Cal	#	15
36) 1,1-Dichloropropene	7.98	75	38160	4.338	ug/l #	50
38) Carbon Tetrachloride	7.98	117	52324	5.636	ug/l #	15
68) m/p-Xylenes	11.85	106	17096	1.461	ug/l	97
71) Bromoform	12.64	173	4177	1.094	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	175069	62.538	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	175069	136.365	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.37	75	58	Below Cal	#	1

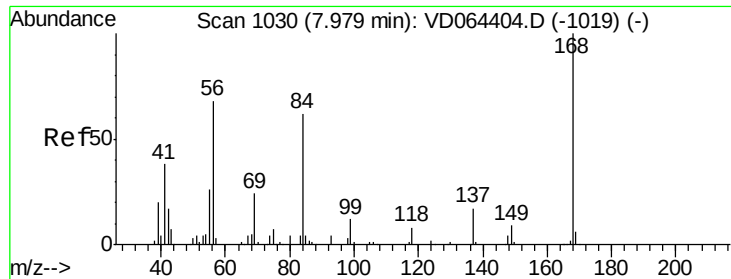
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 05 03:50:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

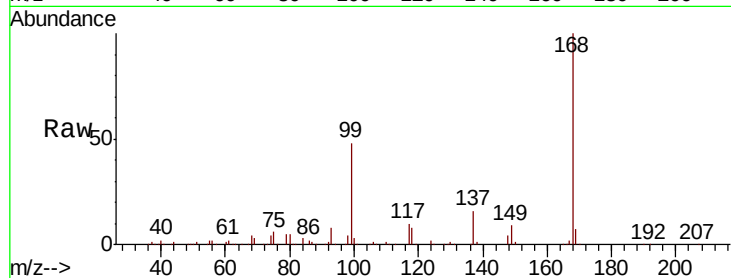
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 560168

Ion Ratio Lower Upper

168 100

99 47.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

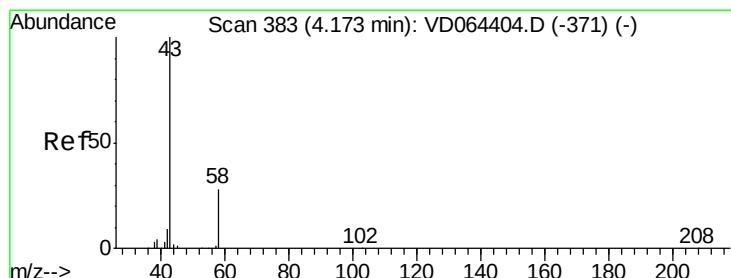
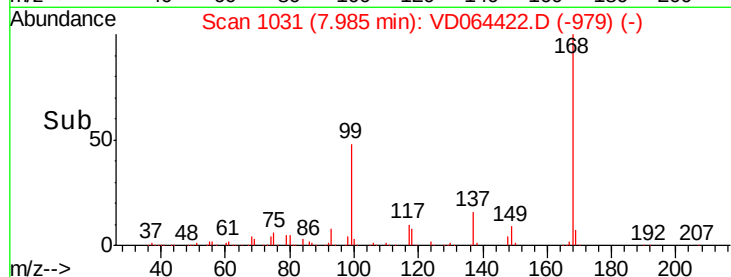
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.005 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064422.D

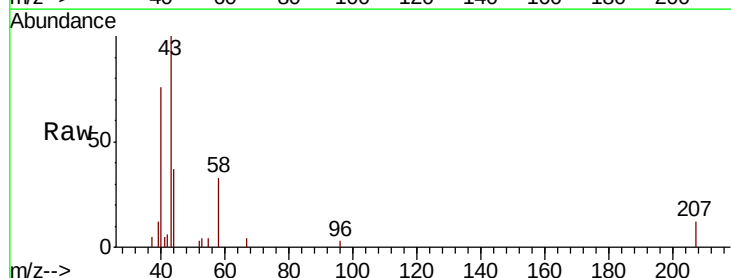
Acq: 04 Dec 2019 17:45

Tgt Ion: 43 Resp: 7177

Ion Ratio Lower Upper

43 100

58 33.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

6000

5000

4000

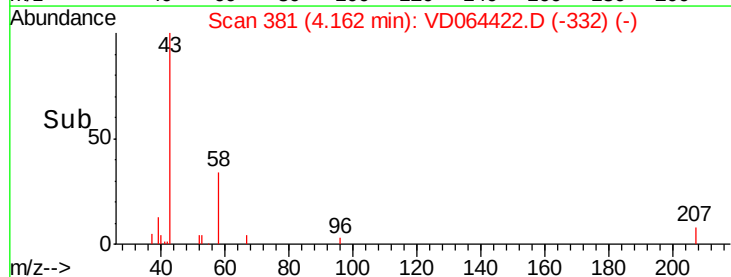
3000

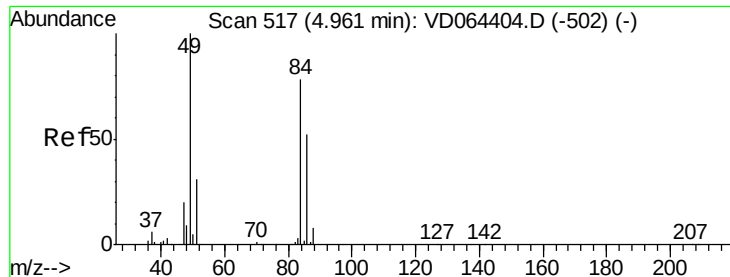
2000

1000

0

Time-->

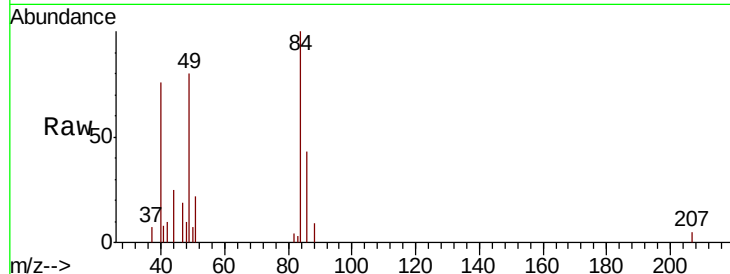




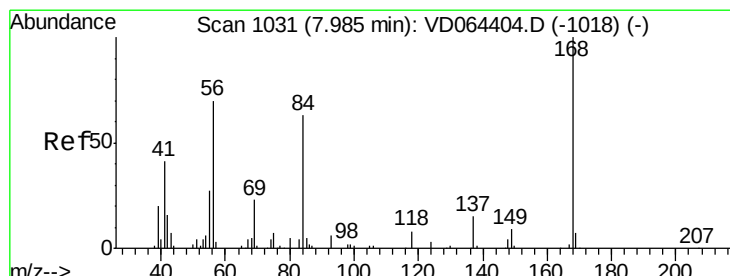
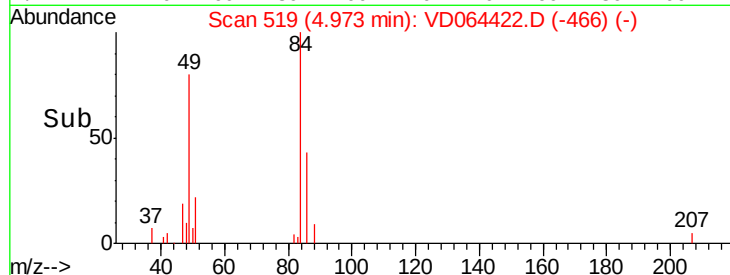
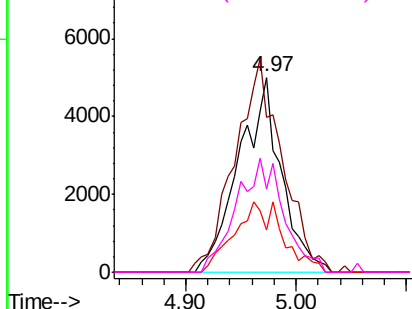
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064422.D
Acq: 04 Dec 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 13441
Ion Ratio Lower Upper
84 100
49 79.8 102.6 153.8#
51 21.9 32.0 48.0#
86 42.8 53.4 80.0#

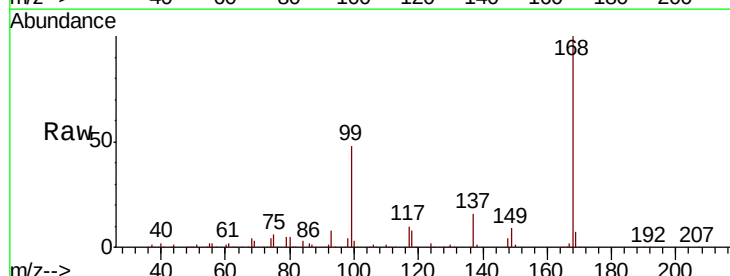


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

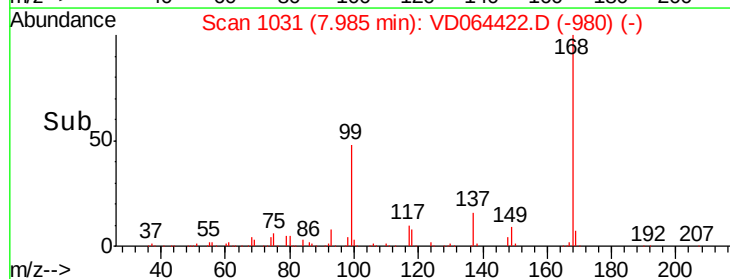
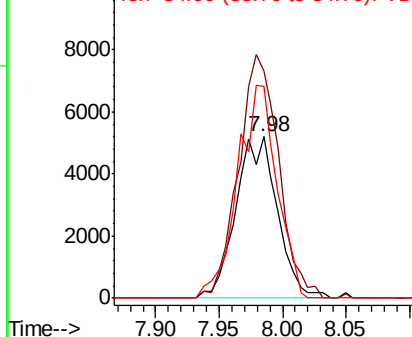


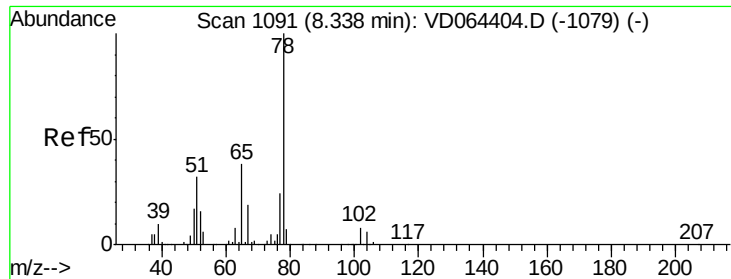
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064422.D
Acq: 04 Dec 2019 17:45

Tgt Ion: 56 Resp: 11804
Ion Ratio Lower Upper
56 100
69 140.4 26.2 39.4#
84 130.7 70.3 105.5#



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

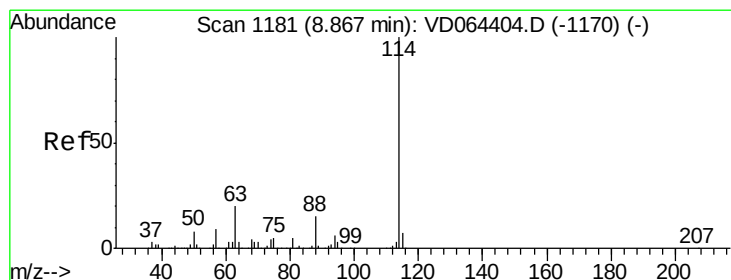
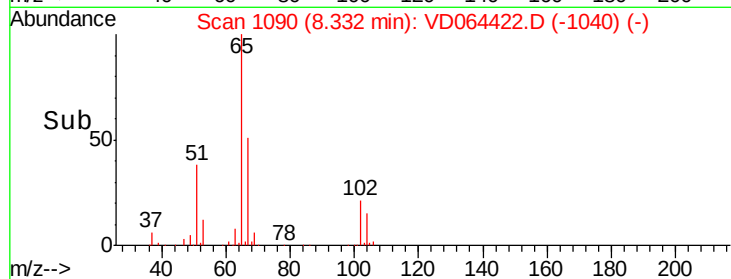
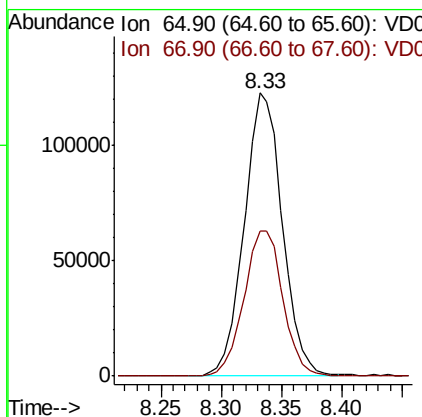
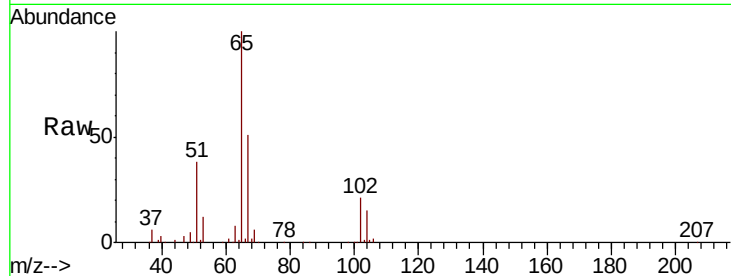




#33
 1,2-Dichloroethane-d4
 Concen: 53.256 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

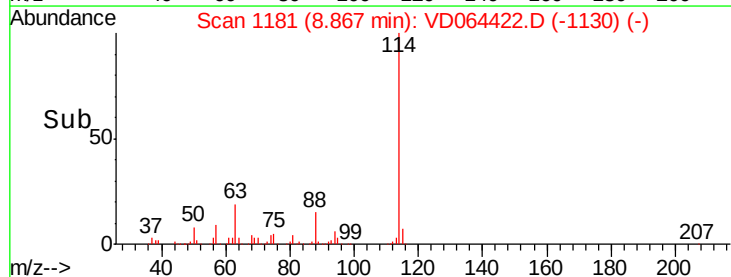
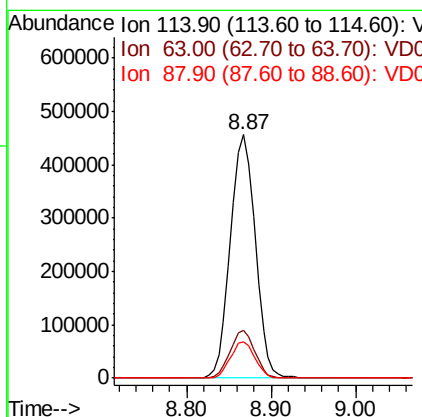
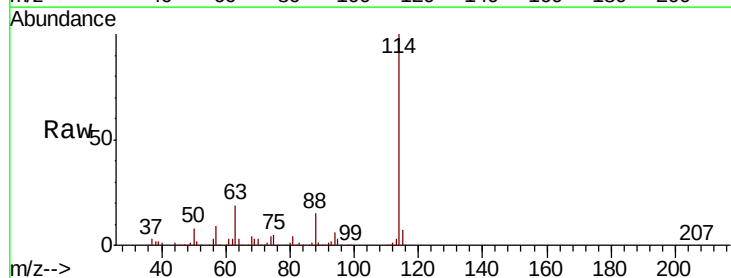
Instrument :
 MSVOA_D
 ClientSampleId :

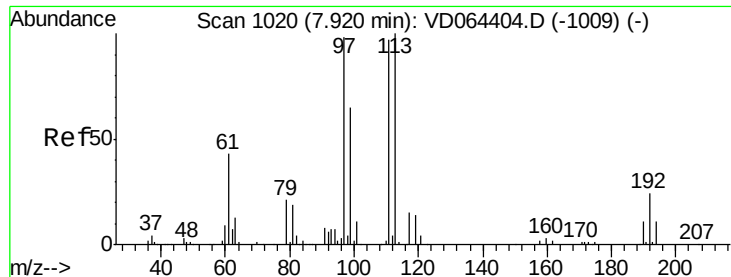
Tot Ion: 65 Resp: 270026
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

Tgt Ion: 114 Resp: 930039
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 14.8 0.0 29.2

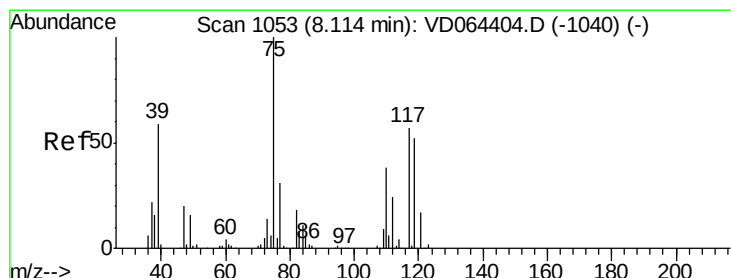
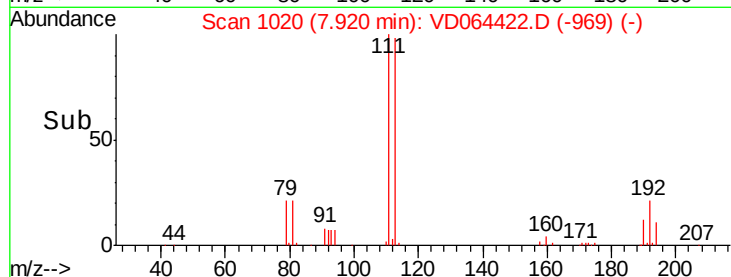
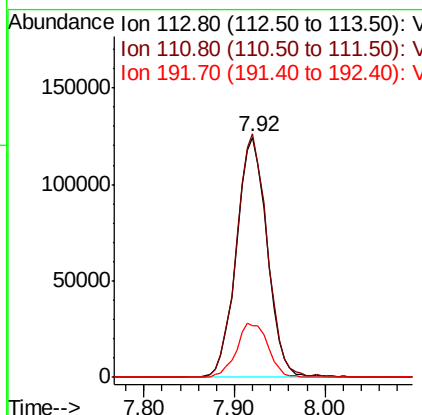
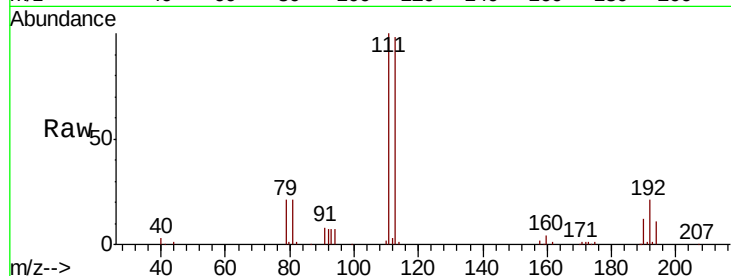




#35
 Dibromofluoromethane
 Concen: 50.006 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

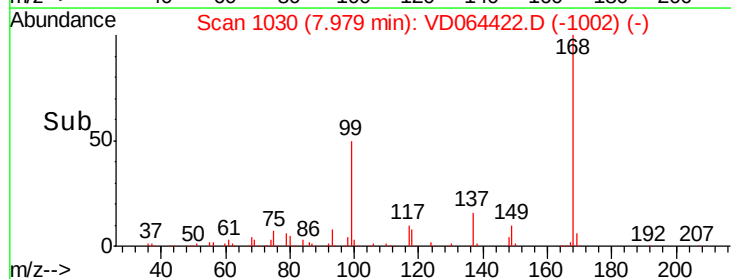
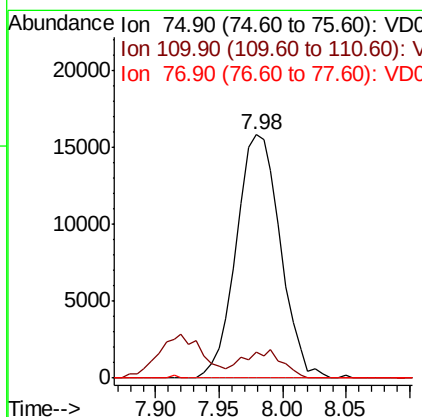
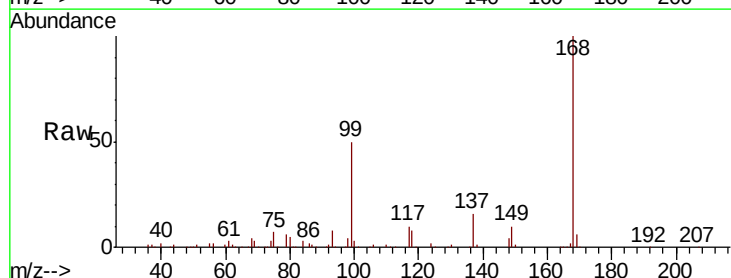
Instrument :
 MSVOA_D
 ClientSampleId :

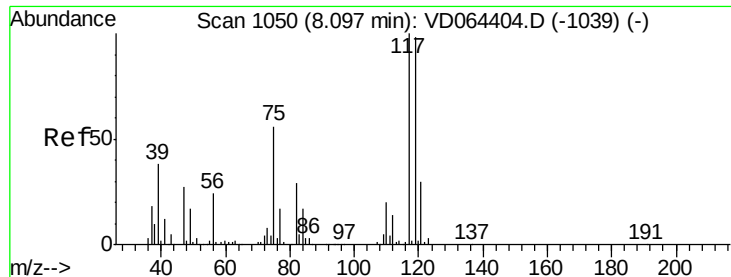
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	79.4	119.2
192	23.0	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.338 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.6	55.8#
77	0.0	25.0	37.4#

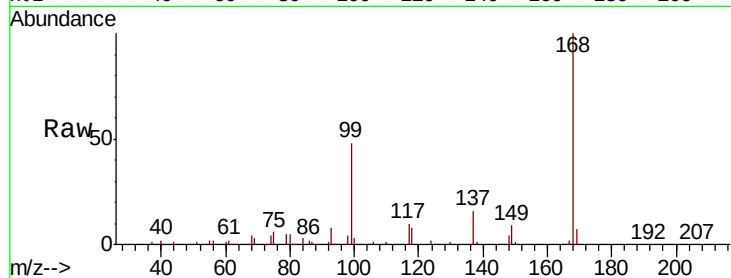




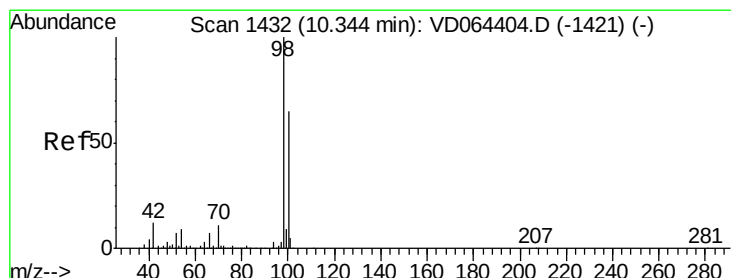
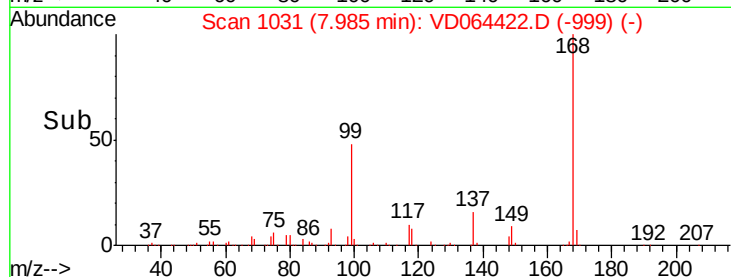
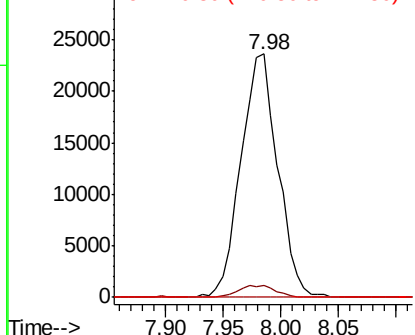
#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064422.D
Acq: 04 Dec 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 52324
Ion Ratio Lower Upper
117 100
119 4.7 78.8 118.2#
121 0.0 24.2 36.2#

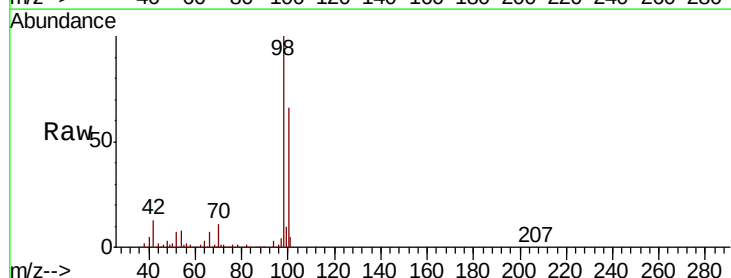


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

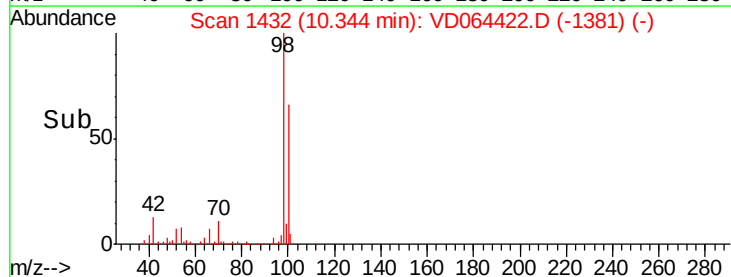
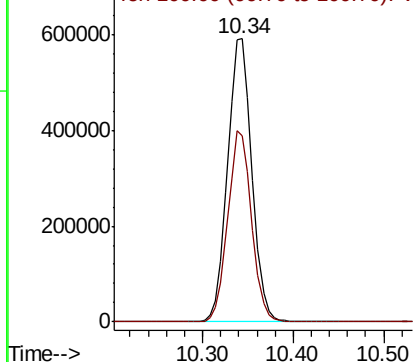


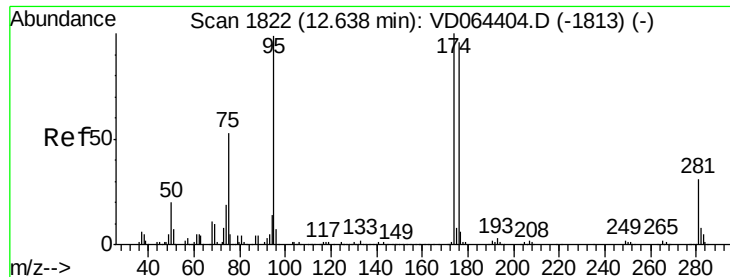
#50
Toluene-d8
Concen: 49.990 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064422.D
Acq: 04 Dec 2019 17:45

Tgt Ion: 98 Resp: 1103422
Ion Ratio Lower Upper
98 100
100 66.1 52.6 79.0



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





#62

4-Bromofluorobenzene

Concen: 47.554 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

Instrument :

MSVOA_D

ClientSampled :

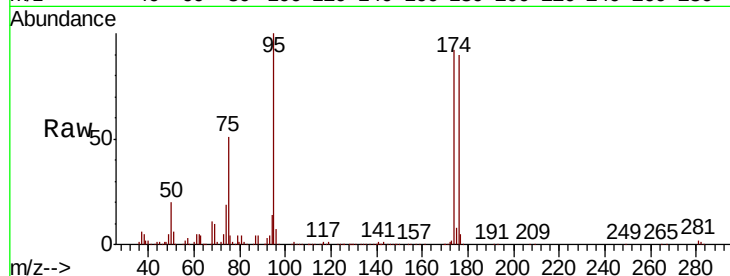
Tot Ion: 95 Resp: 337332

Ion Ratio Lower Upper

95 100

174 95.3 0.0 197.2

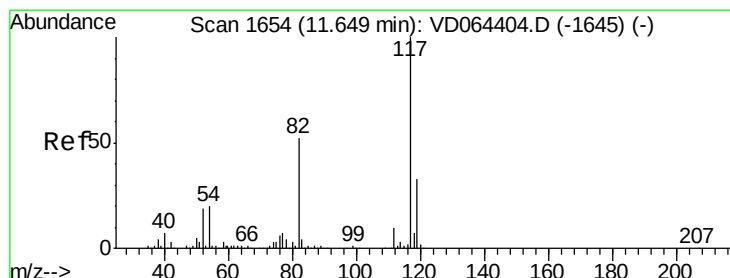
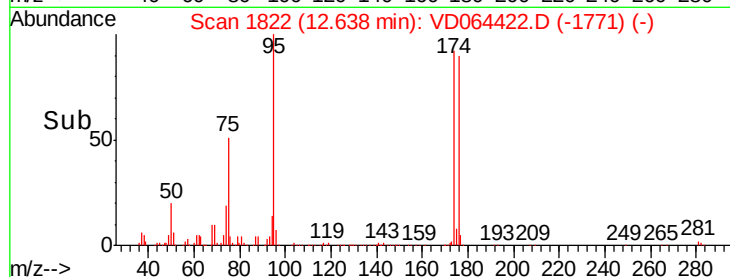
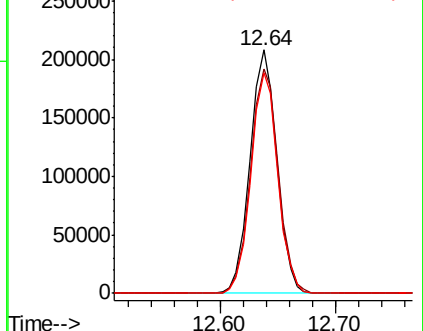
176 90.6 0.0 189.6



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: VD064422.D

Acq: 04 Dec 2019 17:45

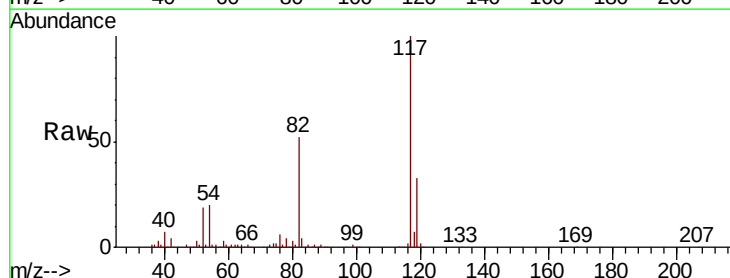
Tgt Ion: 117 Resp: 826911

Ion Ratio Lower Upper

117 100

82 52.3 41.4 62.2

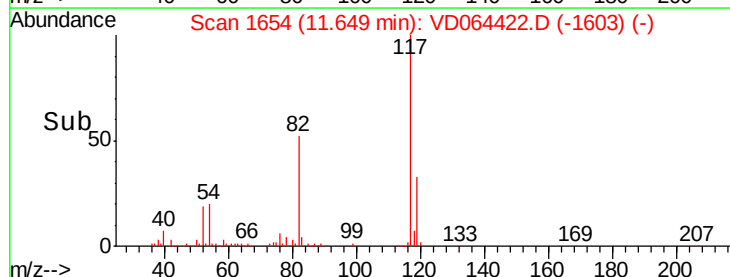
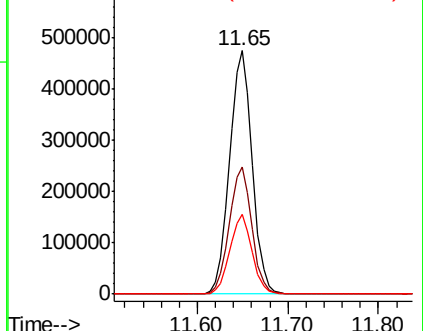
119 32.6 26.2 39.2

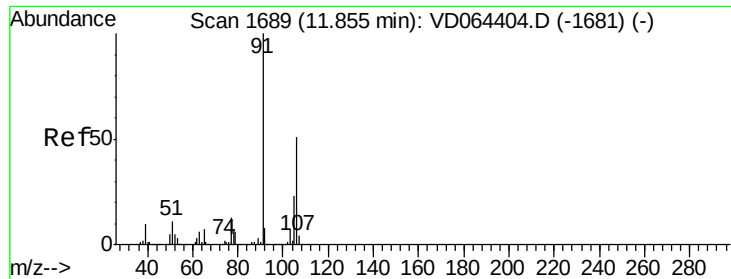


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xvlenes

Concen: 1.461 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

Instrument :

MSVOA_D

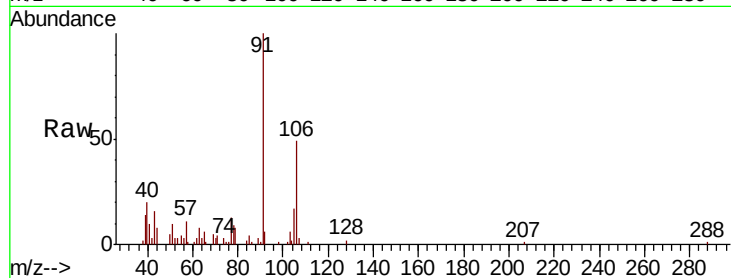
ClientSampleId :

Tot Ion:106 Resp: 17096

Ion Ratio Lower Upper

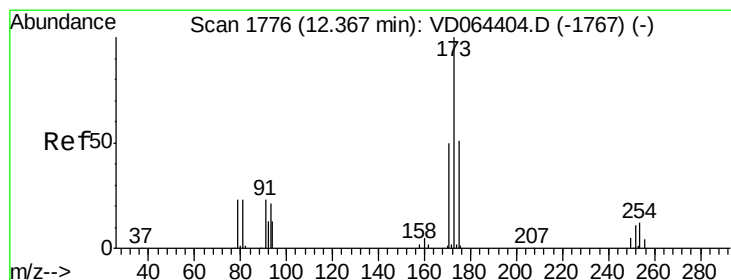
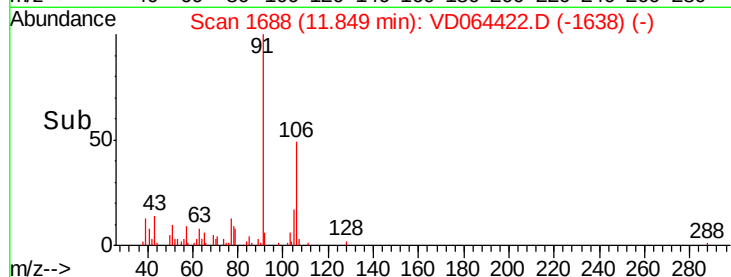
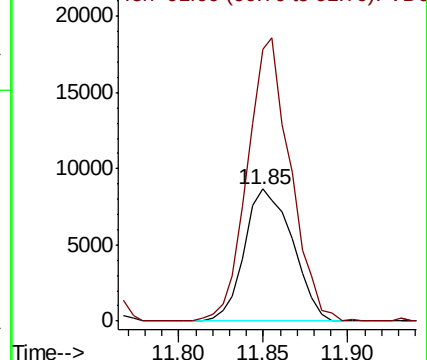
106 100

91 192.6 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#71

Bromoform

Concen: 1.094 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

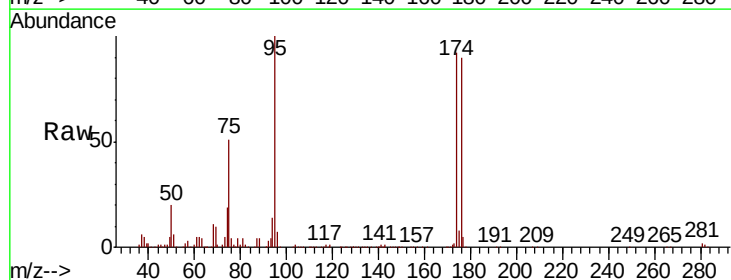
Tgt Ion:173 Resp: 4177

Ion Ratio Lower Upper

173 100

175 466.0 25.3 75.8#

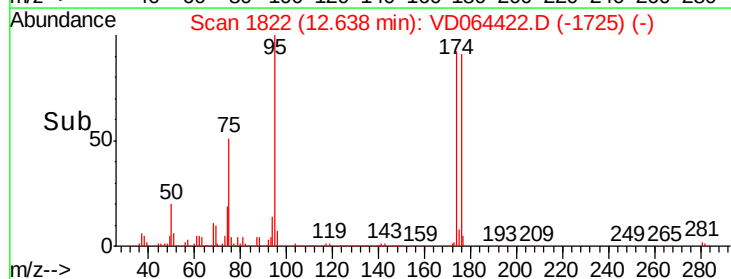
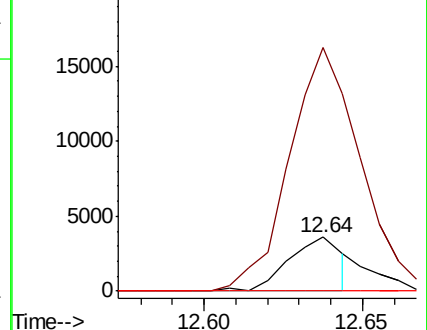
254 0.0 0.0 0.0

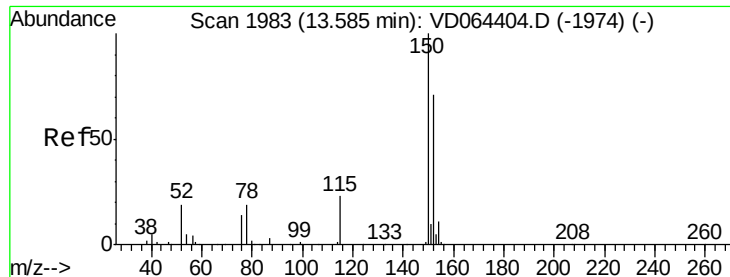


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

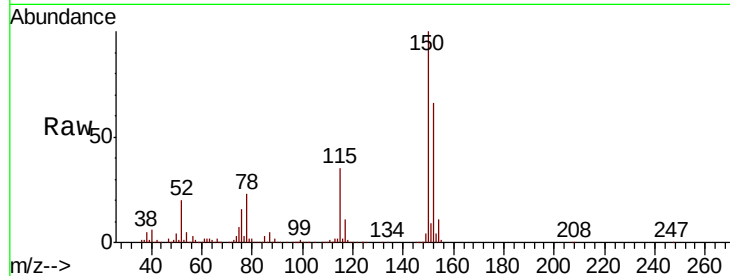




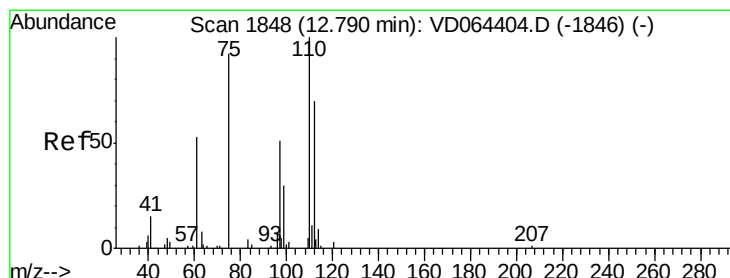
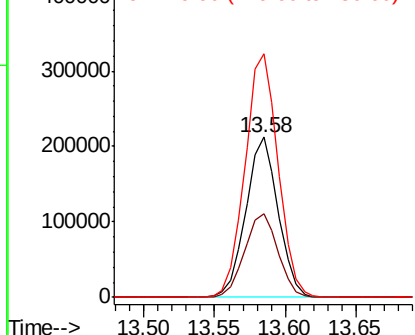
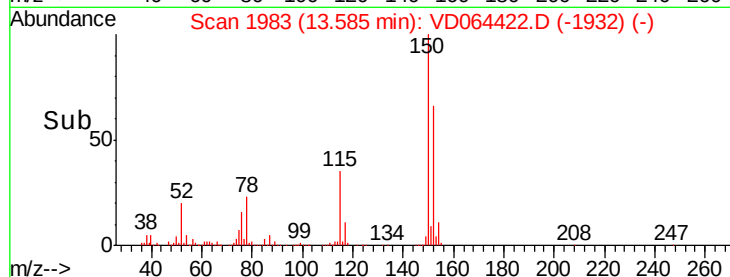
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 340408
 Ion Ratio Lower Upper
 152 100
 115 54.1 26.7 80.1
 150 155.9 0.0 347.2

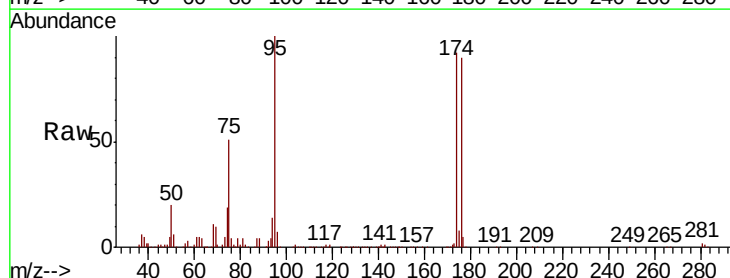


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

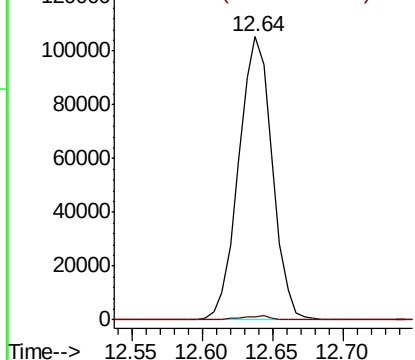
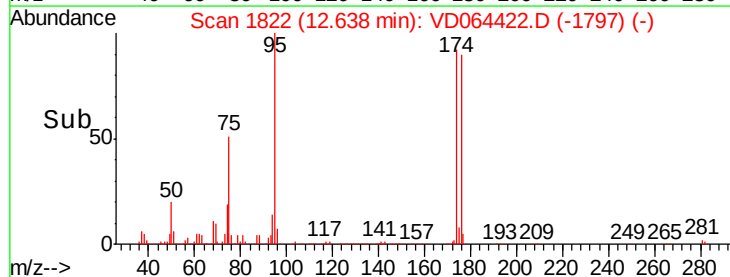


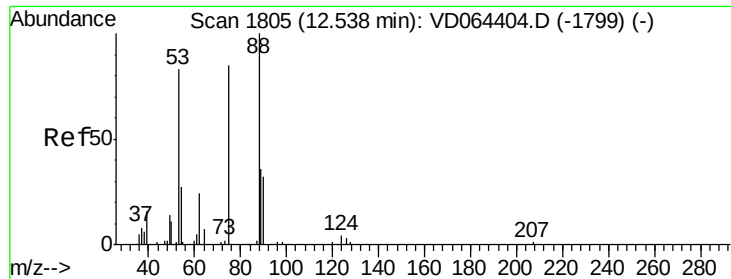
#76
 1,2,3-Trichloropropane
 Concen: 62.538 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064422.D
 Acq: 04 Dec 2019 17:45

Tgt Ion: 75 Resp: 175069
 Ion Ratio Lower Upper
 75 100
 77 1.4 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: 136.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

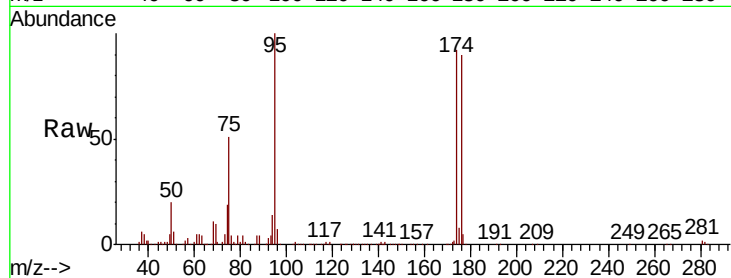
Tot Ion: 75 Resp: 175069

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 38.5 57.7#



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

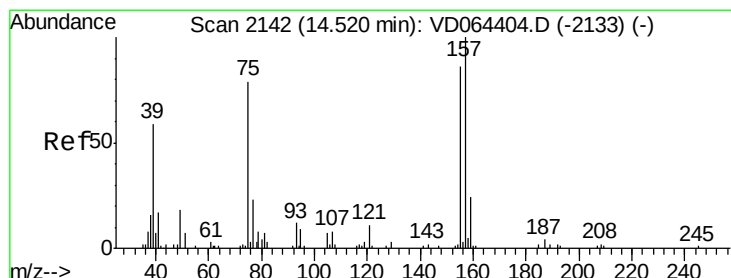
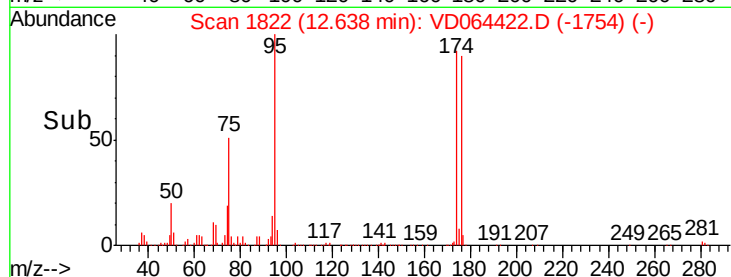
12.64

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.37 min Scan# 2117

Delta R.T. -0.15 min

Lab File: VD064422.D

Acq: 04 Dec 2019 17:45

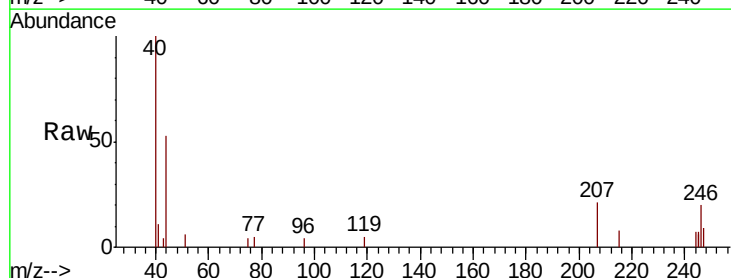
Tgt Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.37

200

150

100

50

0

Time--> 14.36 14.38

