

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064610.D
 Acq On : 26 Dec 2019 20:25
 Operator : VA/SY
 Sample : K6438-04
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:42:27 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

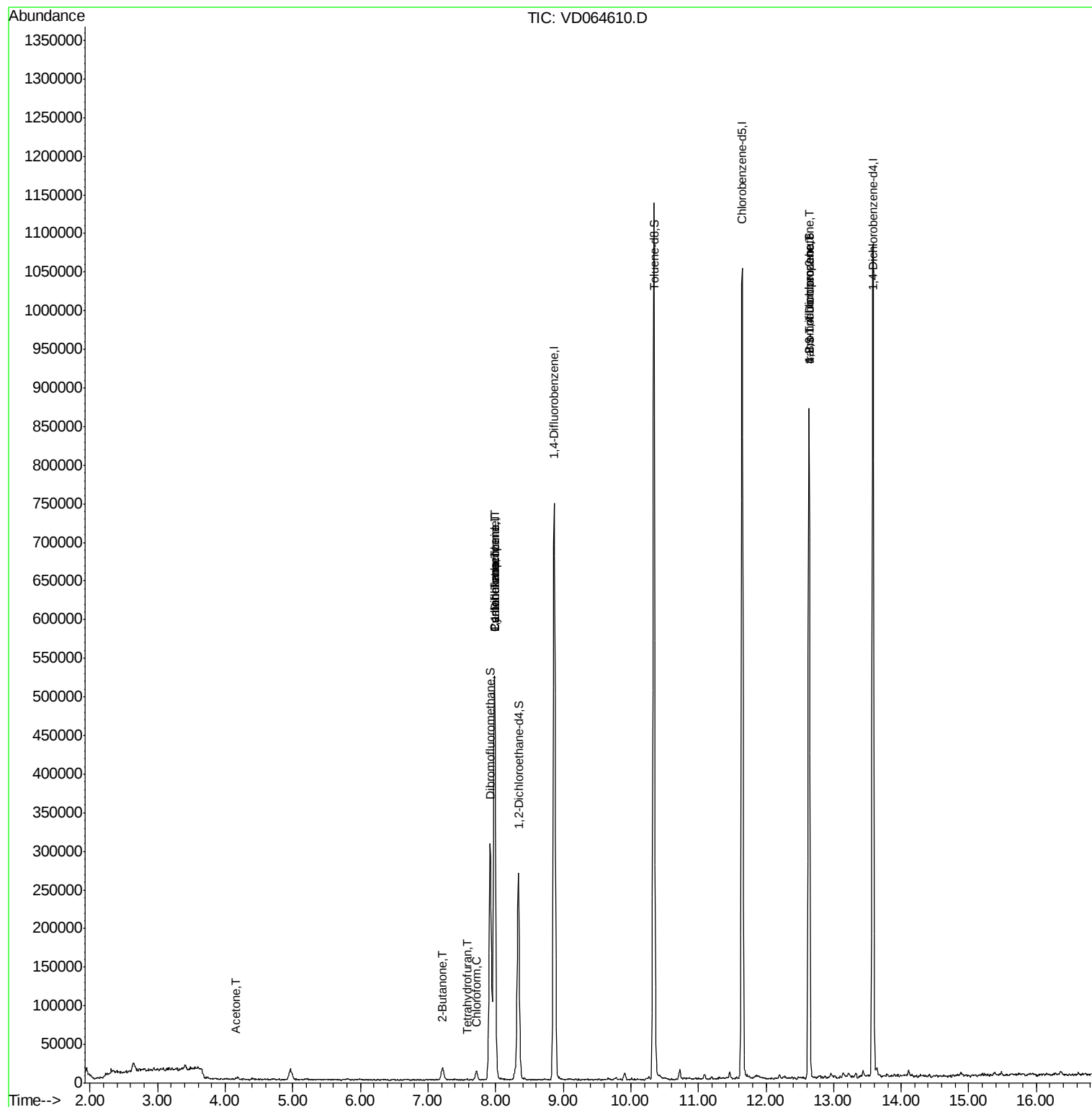
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	415929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	212250	57.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.74%	
35) Dibromofluoromethane	7.92	113	213776	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.34	98	784206	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.64	95	258609	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	2351	6.869	ug/l	97
20) Methylene Chloride	4.97	84	9712	Below Cal		92
25) 2-Butanone	7.22	43	1817	1.802	ug/l #	49
29) Tetrahydrofuran	7.58	42	989	1.578	ug/l #	44
30) Chloroform	7.71	83	10713	1.495	ug/l	89
31) Cyclohexane	7.98	56	8823	1.290	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	30314	4.753	ug/l #	45
38) Carbon Tetrachloride	7.98	117	38229	5.622	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	139255	59.080	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	139255	123.565	ug/l #	10

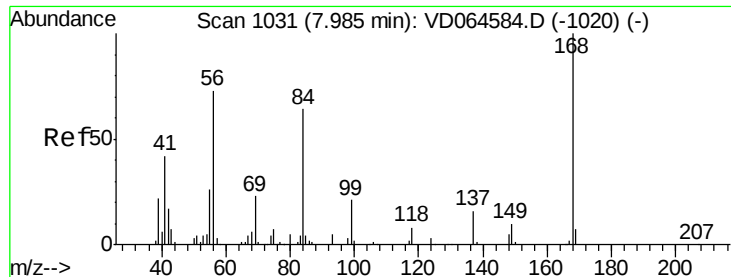
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064610.D

Acq: 26 Dec 2019 20:25

Instrument :

MSVOA_D

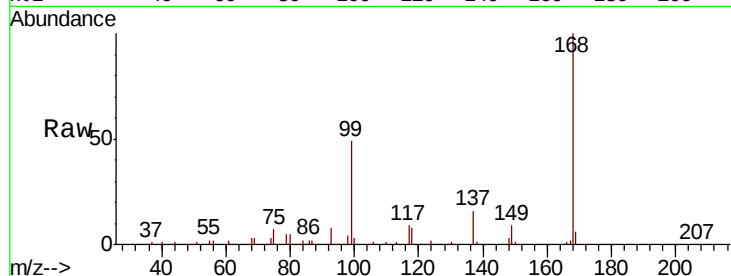
ClientSampled :

Tot Ion:168 Resp: 415929

Ion Ratio Lower Upper

168 100

99 49.1 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

200000

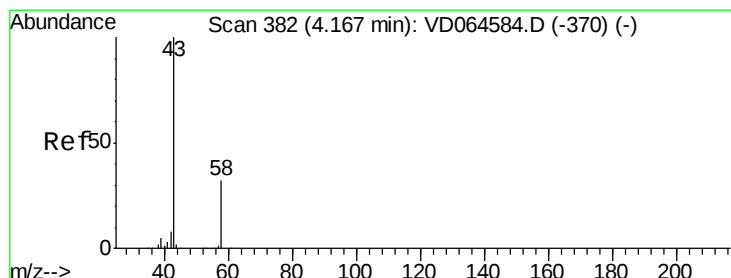
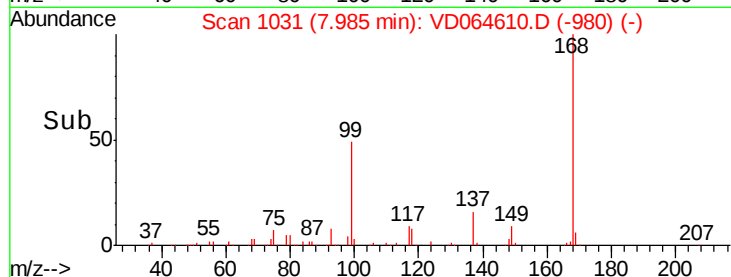
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.869 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064610.D

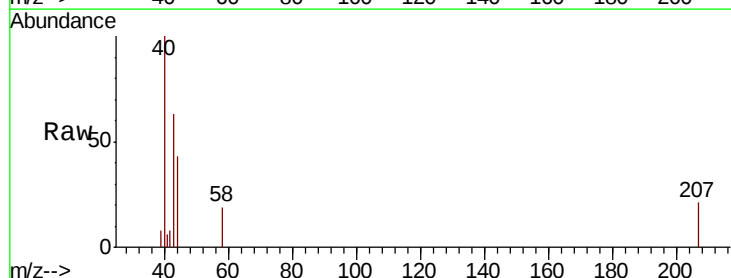
Acq: 26 Dec 2019 20:25

Tgt Ion: 43 Resp: 2351

Ion Ratio Lower Upper

43 100

58 30.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

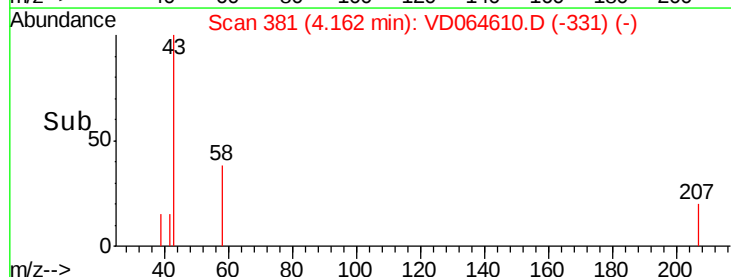
1500

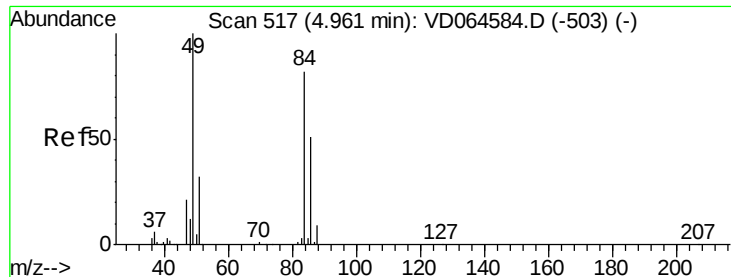
1000

500

0

Time-->

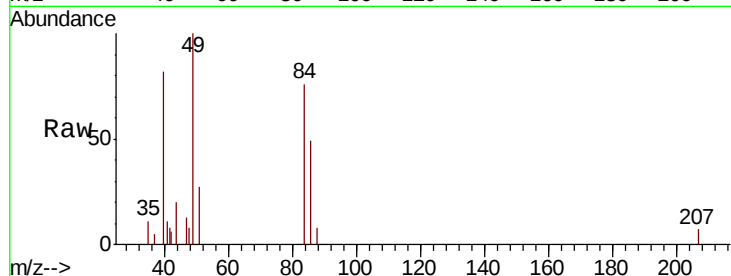




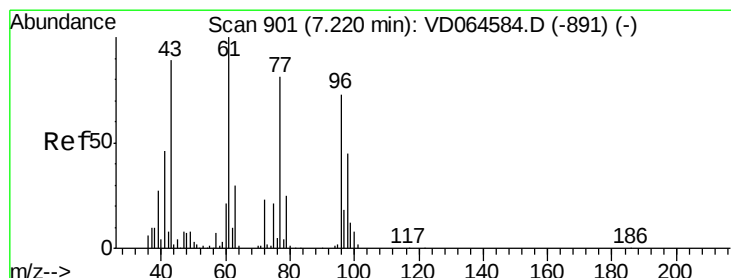
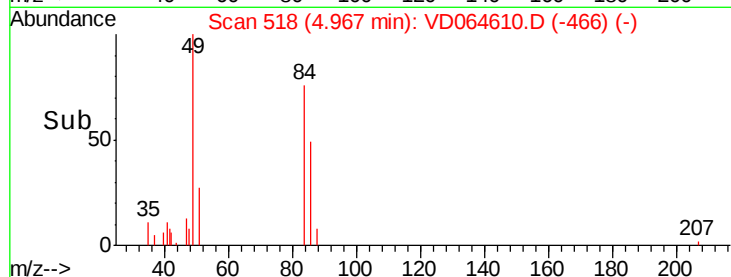
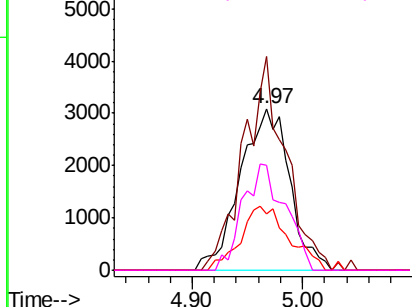
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 9712
Ion Ratio Lower Upper
84 100
49 132.0 97.2 145.8
51 35.1 31.4 47.0
86 65.1 49.3 73.9

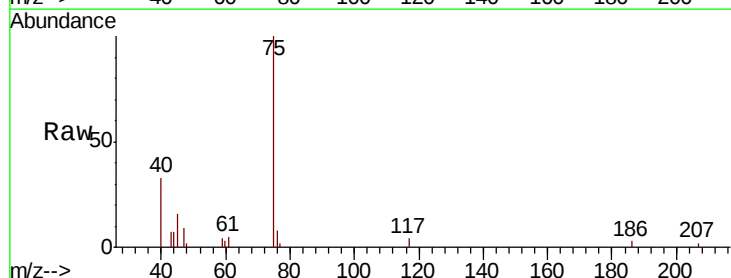


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

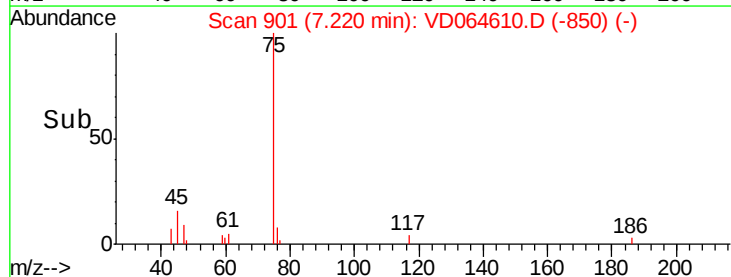
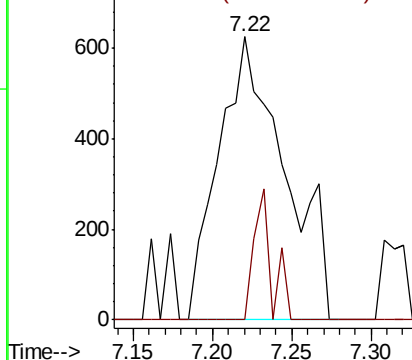


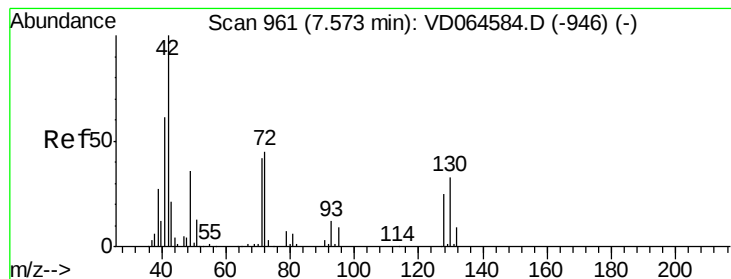
#25
2-Butanone
Concen: 1.802 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.578 ug/l

RT: 7.58 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD064610.D

Acq: 26 Dec 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

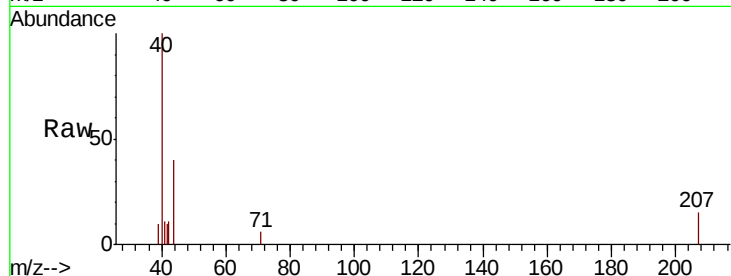
Tot Ion: 42 Resp: 989

Ion Ratio Lower Upper

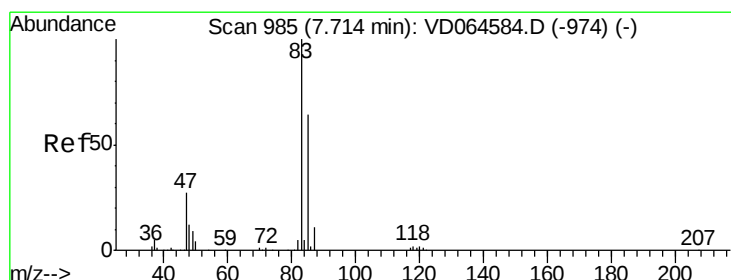
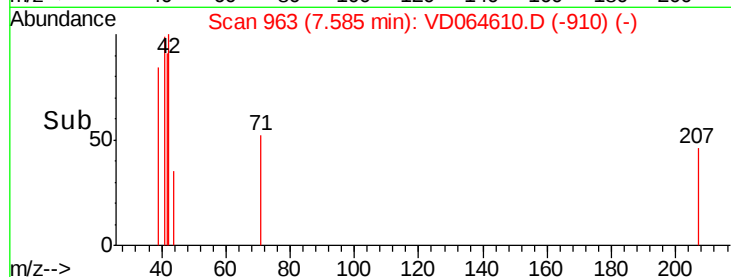
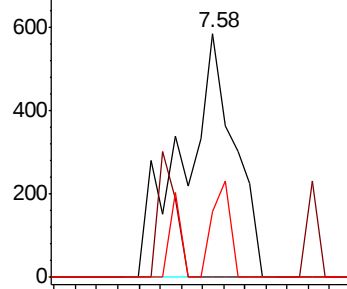
42 100

72 0.0 35.0 52.4#

71 14.0 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



#30

Chloroform

Concen: 1.495 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064610.D

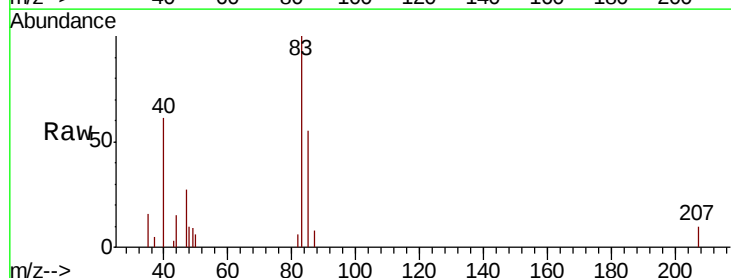
Acq: 26 Dec 2019 20:25

Tgt Ion: 83 Resp: 10713

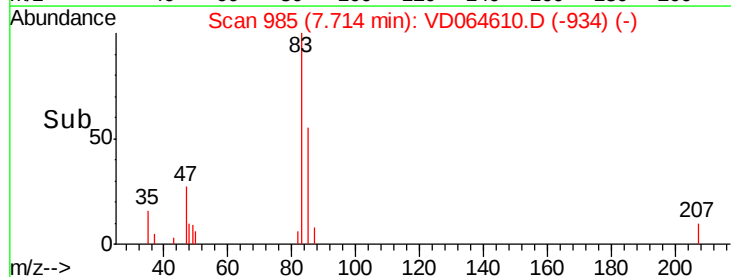
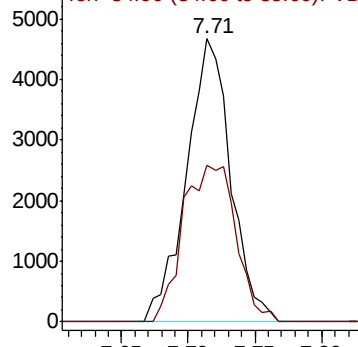
Ion Ratio Lower Upper

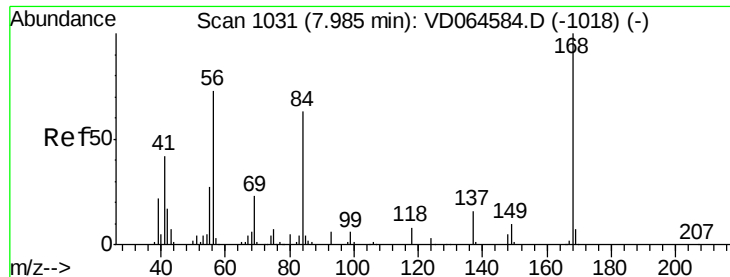
83 100

85 55.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

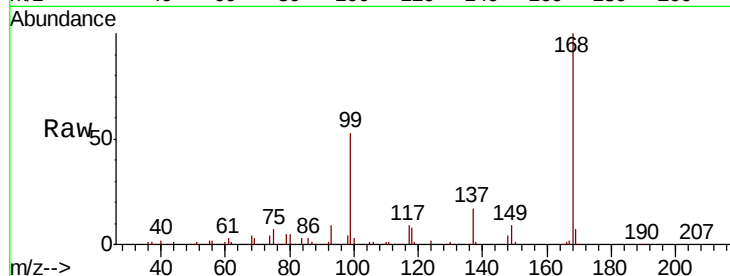




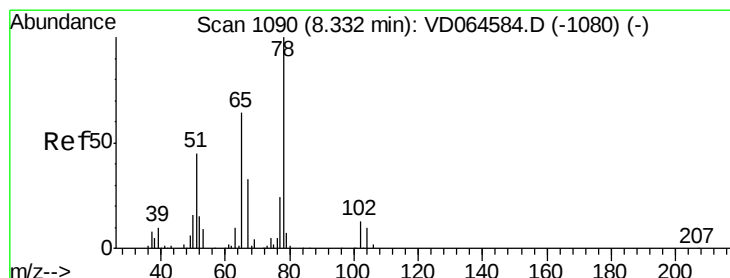
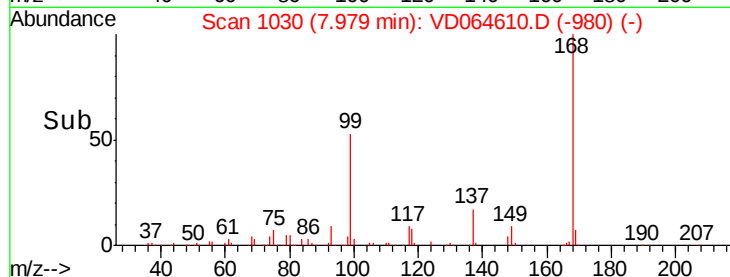
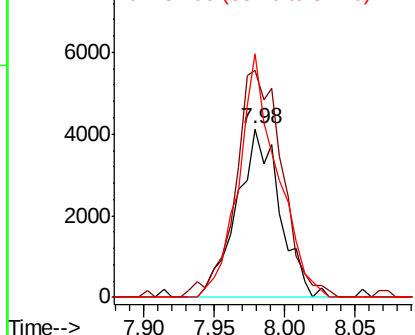
#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8823
Ion Ratio Lower Upper
56 100
69 134.7 24.7 37.1#
84 144.7 69.4 104.2#

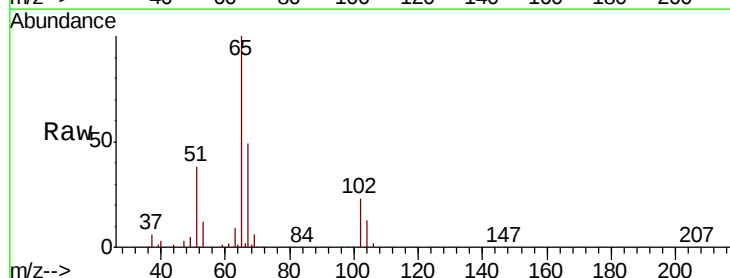


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

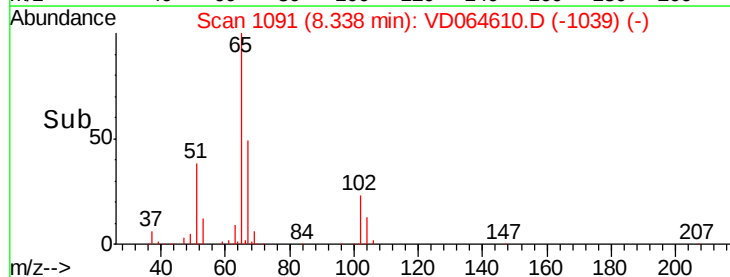
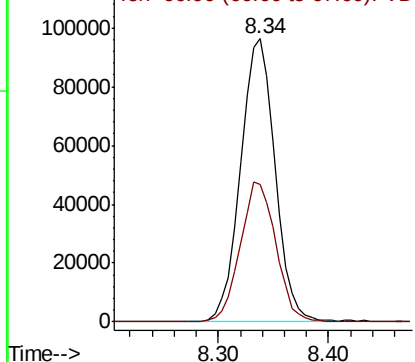


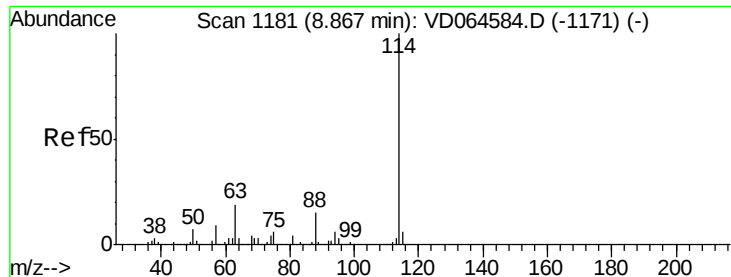
#33
1,2-Dichloroethane-d4
Concen: 57.871 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Tgt Ion: 65 Resp: 212250
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

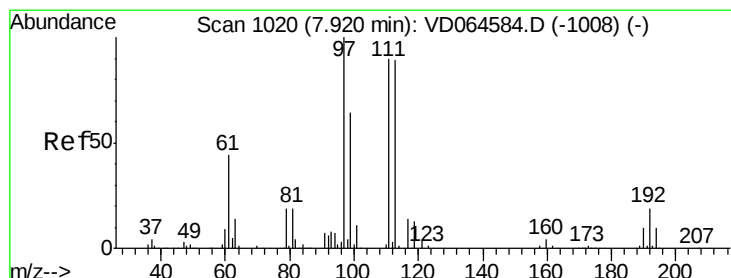
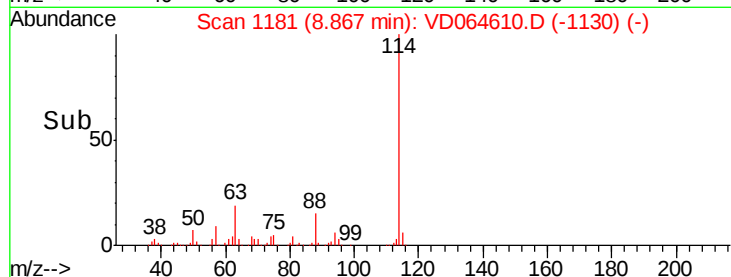
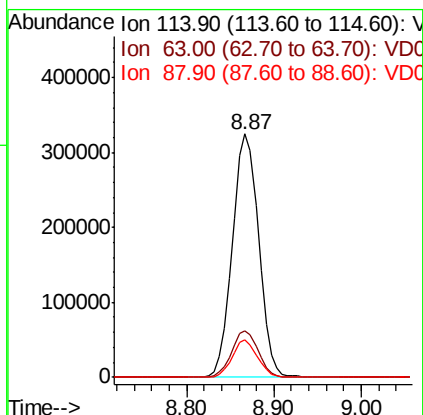
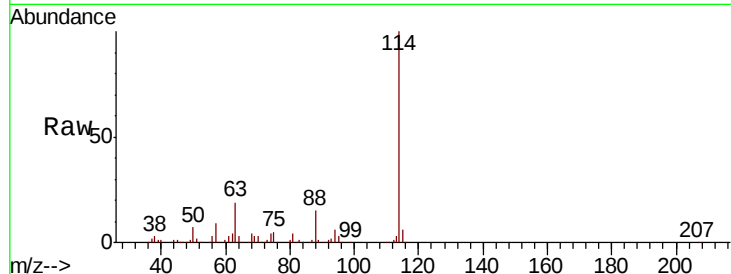




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064610.D
 Acq: 26 Dec 2019 20:25

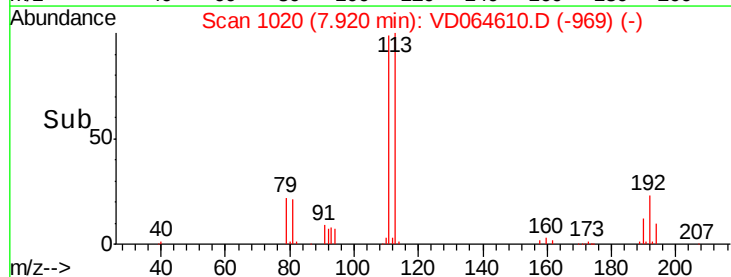
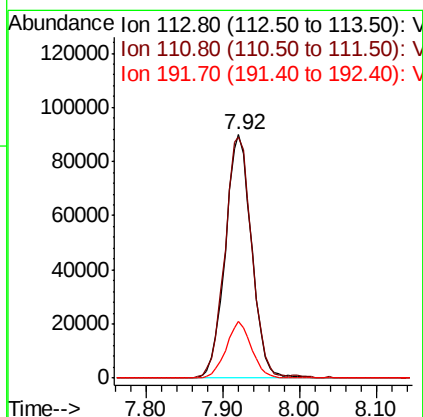
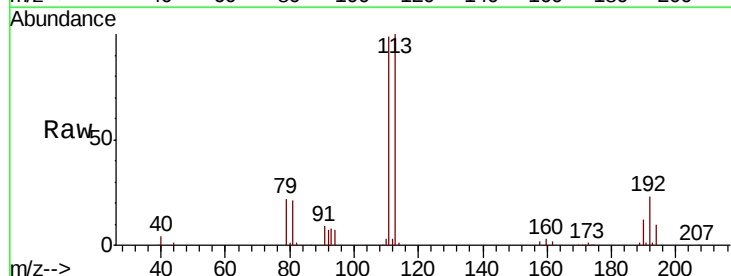
Instrument :
 MSVOA_D
 ClientSampleId :

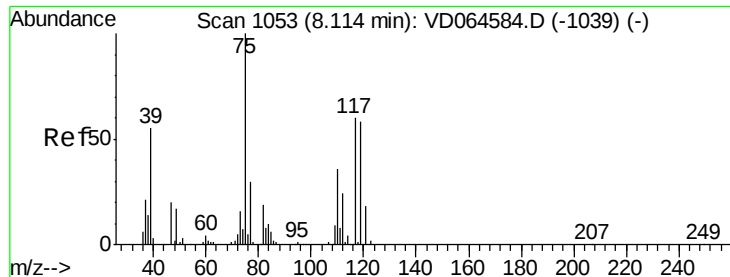
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.0
88	15.3	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 52.588 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064610.D
 Acq: 26 Dec 2019 20:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.6	121.0
192	22.3	17.9	26.9

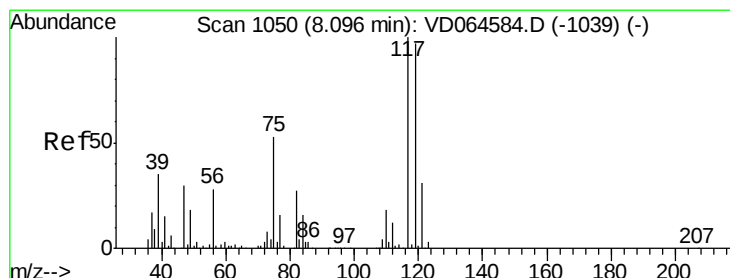
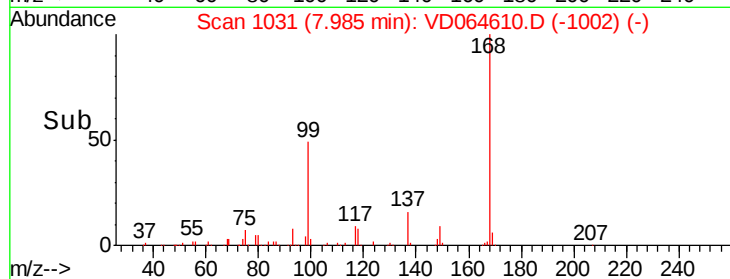
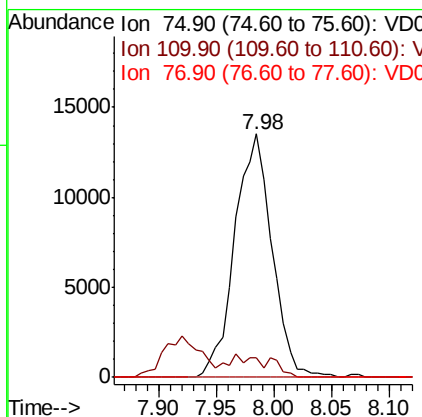
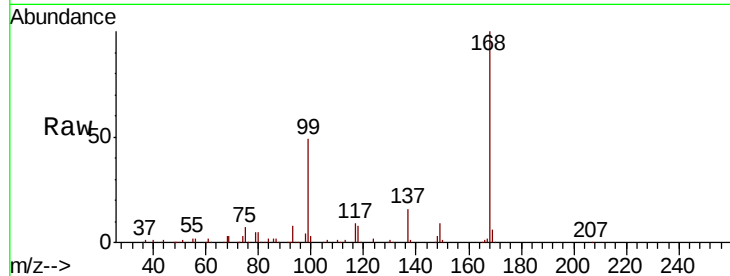




#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064610.D
 Acq: 26 Dec 2019 20:25

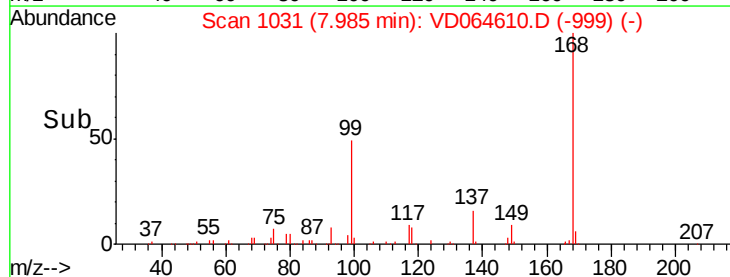
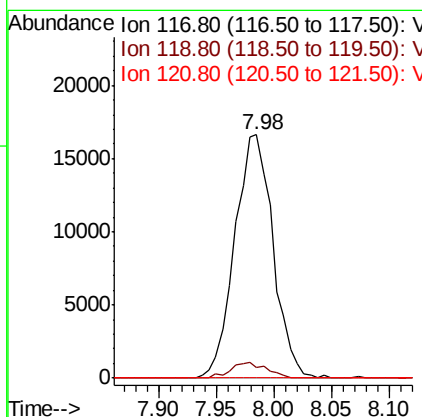
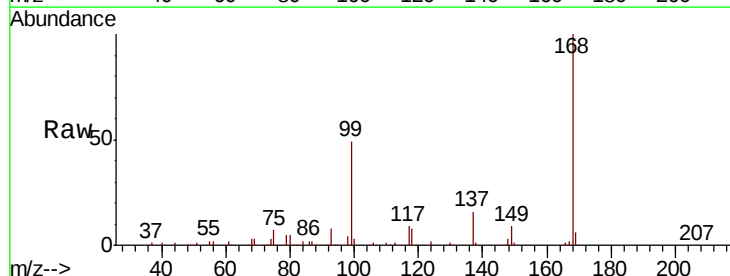
Instrument :
 MSVOA_D
 ClientSampleId :

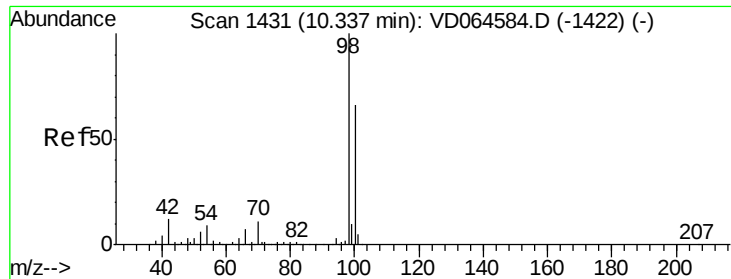
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.0	18.1	54.1#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.622 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064610.D
 Acq: 26 Dec 2019 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.3	115.9#
121	0.0	25.0	37.6#

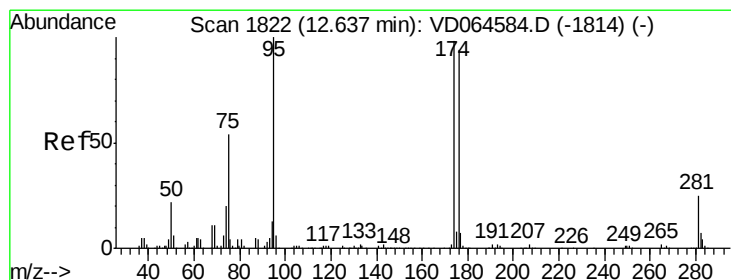
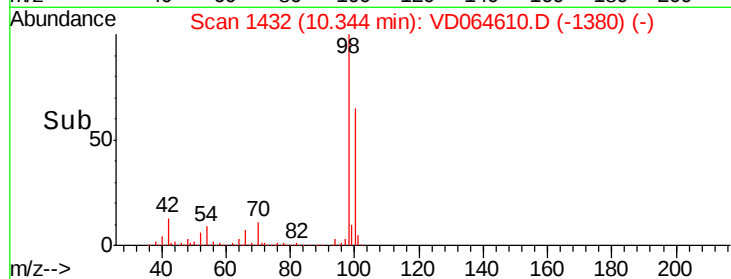
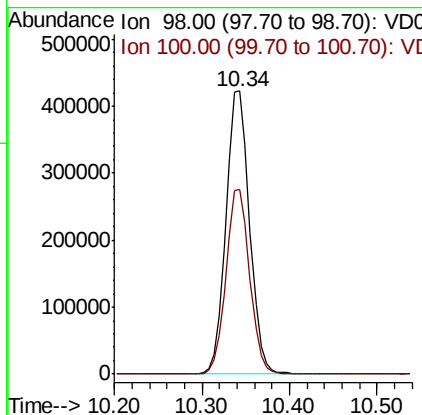
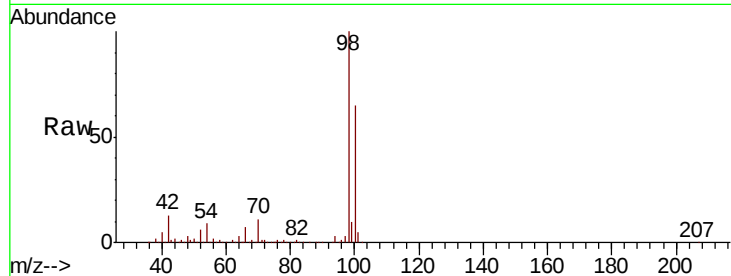




#50
Toluene-d8
Concen: 50.370 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

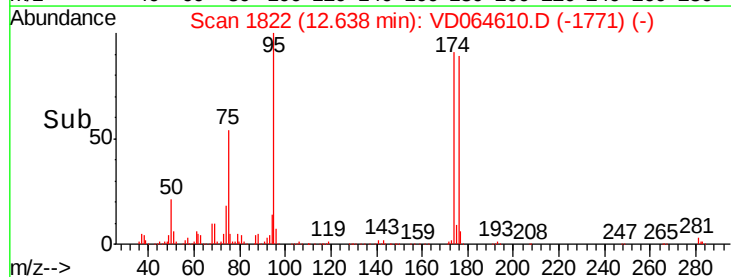
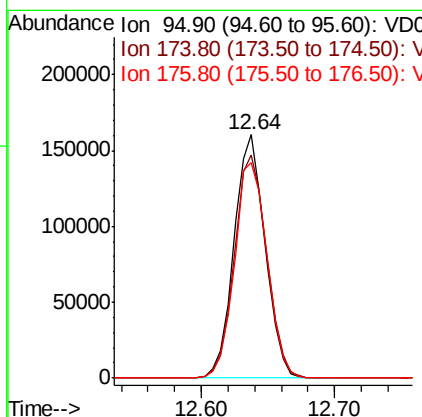
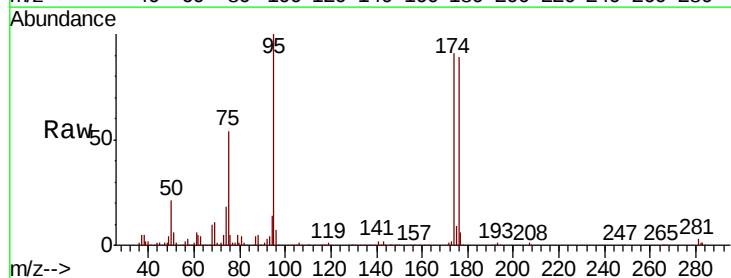
Instrument :
MSVOA_D
ClientSampleId :

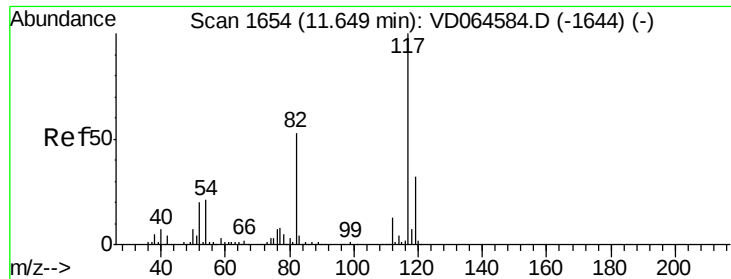
Tot Ion: 98 Resp: 784206
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 52.530 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Tgt Ion: 95 Resp: 258609
Ion Ratio Lower Upper
95 100
174 95.3 0.0 193.2
176 93.0 0.0 184.2

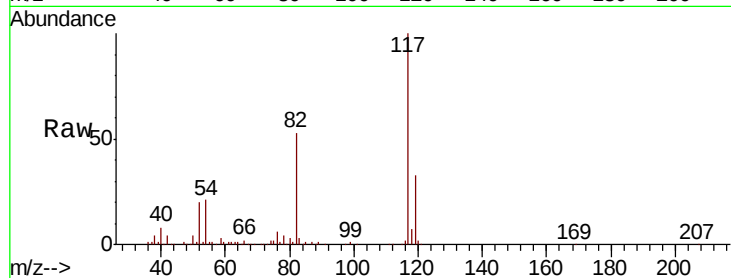




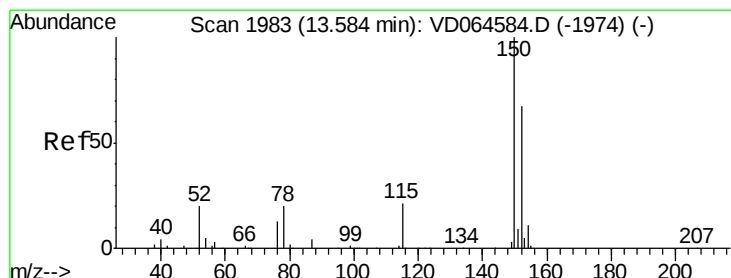
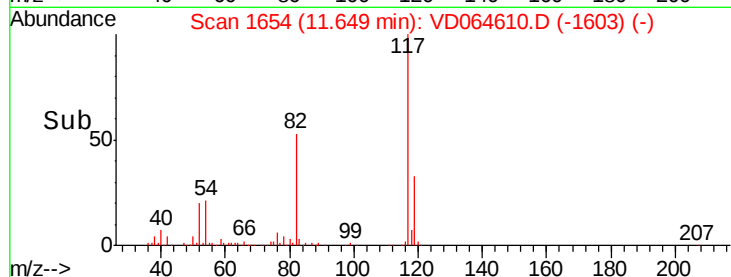
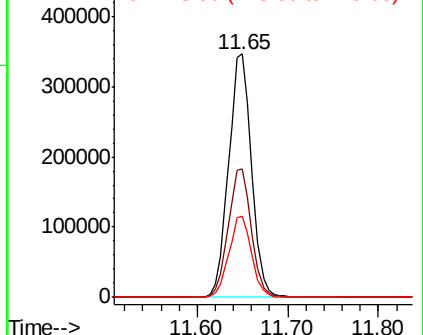
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 610465
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 33.0 26.0 39.0

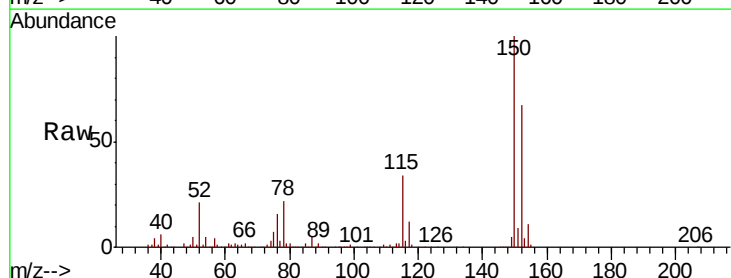


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

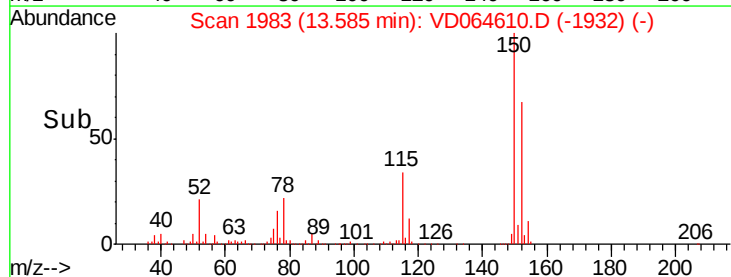
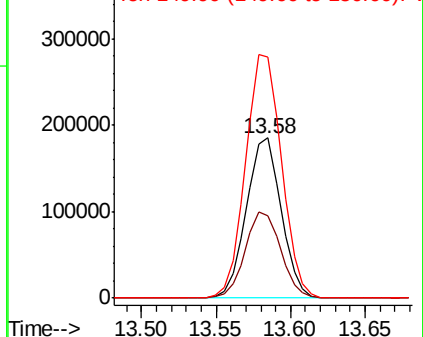


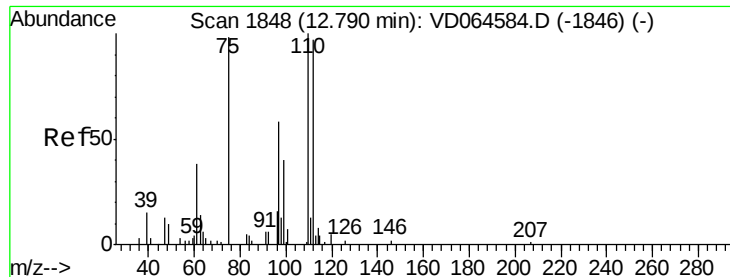
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064610.D
Acq: 26 Dec 2019 20:25

Tgt Ion:152 Resp: 298488
Ion Ratio Lower Upper
152 100
115 54.9 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: 59.080 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064610.D

Acq: 26 Dec 2019 20:25

Instrument :

MSVOA_D

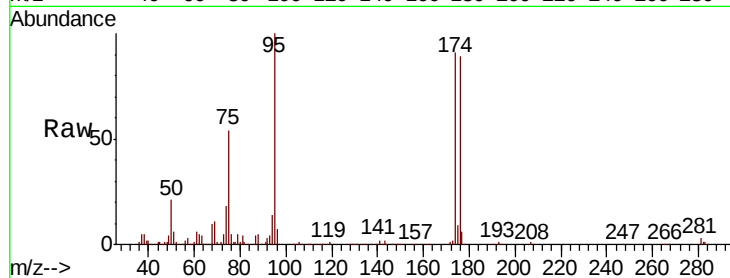
ClientSampleId :

Tot Ion: 75 Resp: 139255

Ion Ratio Lower Upper

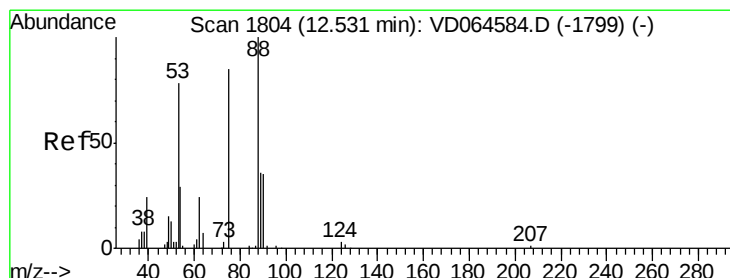
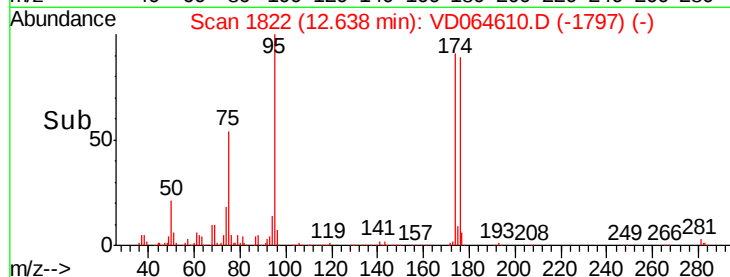
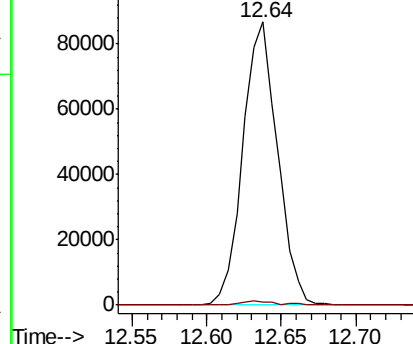
75 100

77 1.2 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: 123.565 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064610.D

Acq: 26 Dec 2019 20:25

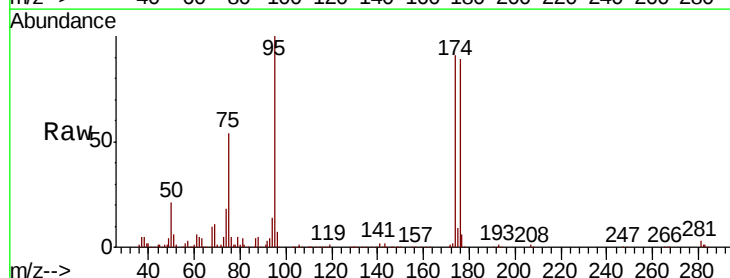
Tgt Ion: 75 Resp: 139255

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

