

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064072.D
 Acq On : 25 Oct 2019 18:26
 Operator : VA/SY
 Sample : K5541-10
 Misc : 3.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	149110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123966	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	79916	55.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.10%	
35) Dibromofluoromethane	7.92	113	82841	53.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.86%	
50) Toluene-d8	10.34	98	344734	54.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	12.64	95	100425	45.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.84%	

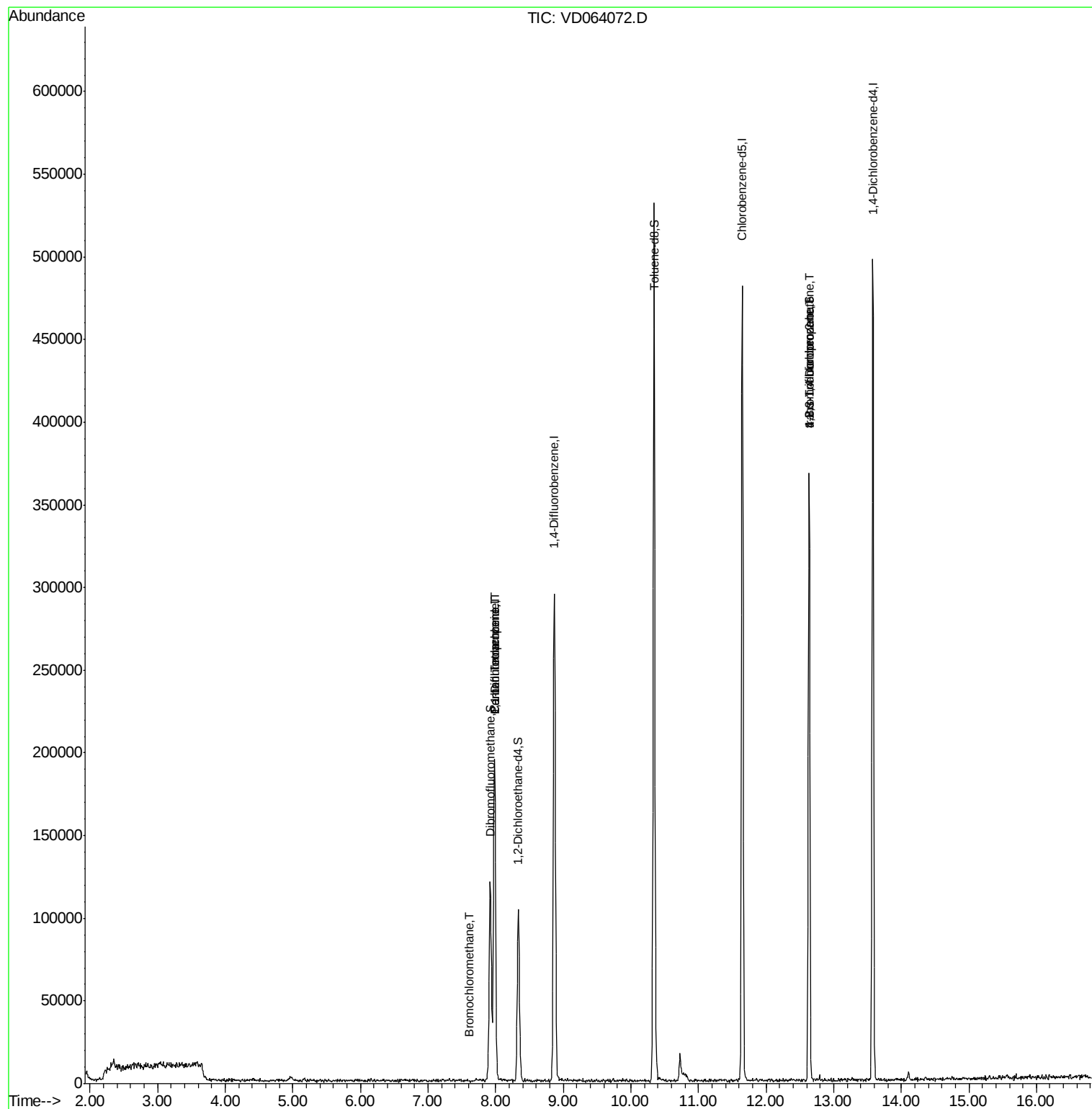
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	596	Below Cal	#	40
11) Tert butyl alcohol	5.17	59	67	Below Cal	#	71
20) Methylene Chloride	4.98	84	500	Below Cal	#	21
28) Bromochloromethane	7.60	49	102	1.963	ug/l #	10
31) Cyclohexane	7.97	56	4155	Below Cal	#	73
36) 1,1-Dichloropropene	7.98	75	12811	5.523	ug/l #	47
37) Ethyl Acetate	7.34	43	65	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14769	6.300	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	54958	66.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	54958	117.132	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	92	Below Cal	#	1

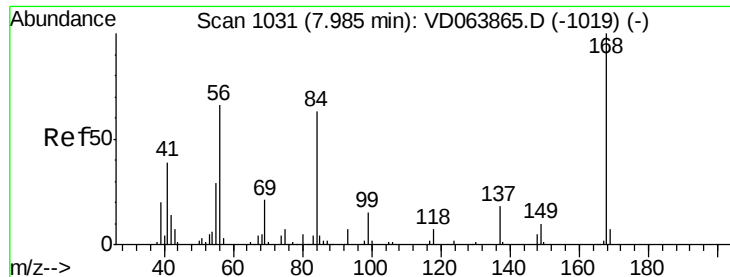
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 05 03:51:17 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: VD064072.D

Acq: 25 Oct 2019 18:26

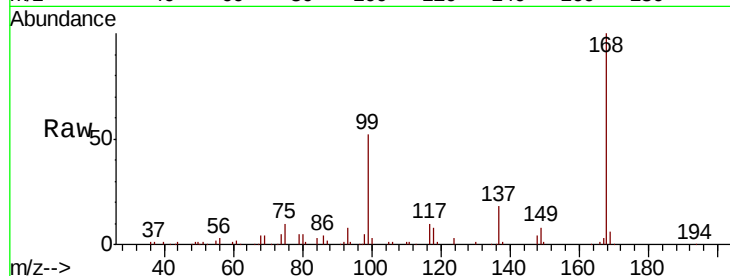
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 149110

Ion Ratio Lower Upper

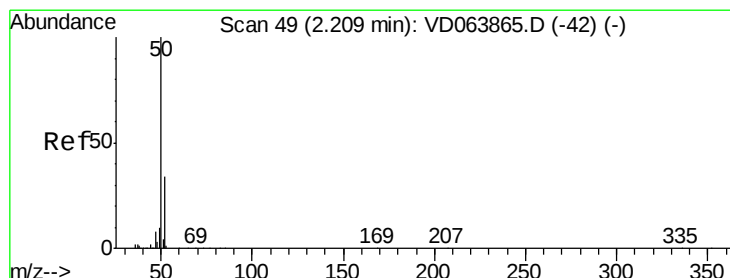
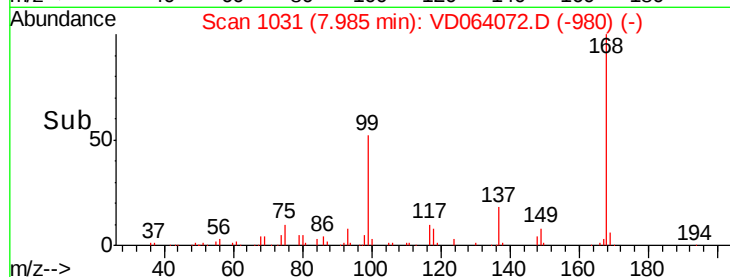
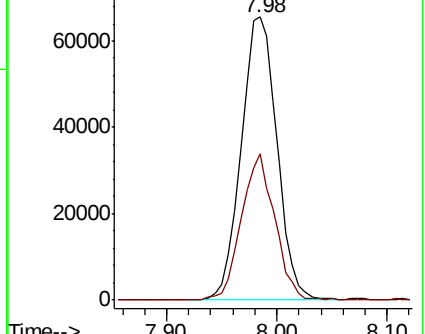
168 100

99 51.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064072.D

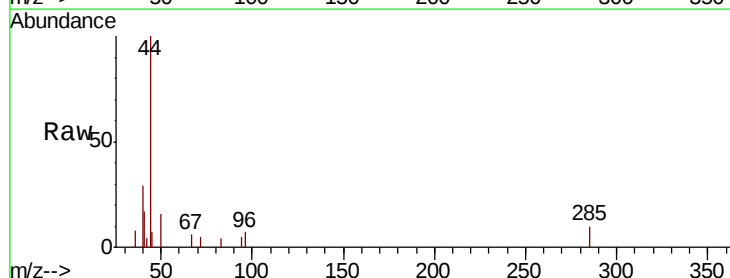
Acq: 25 Oct 2019 18:26

Tgt Ion: 50 Resp: 596

Ion Ratio Lower Upper

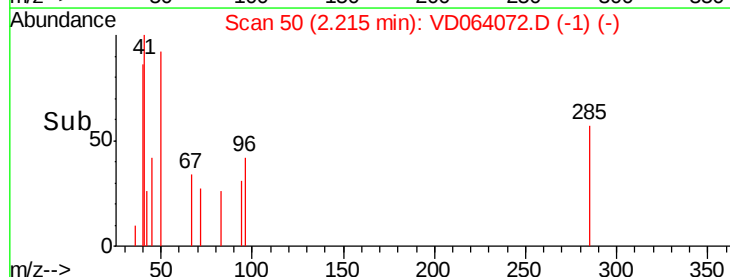
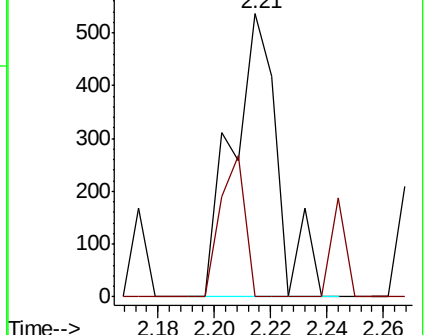
50 100

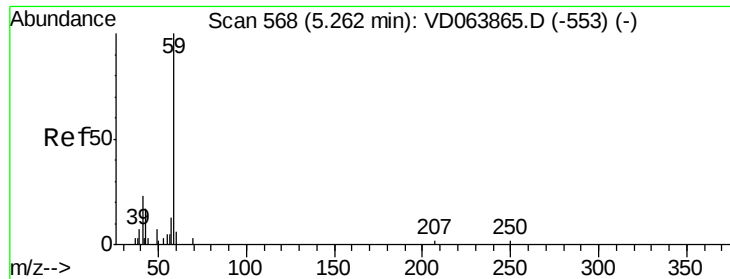
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

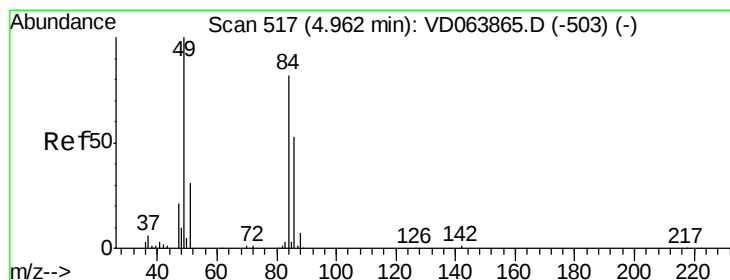
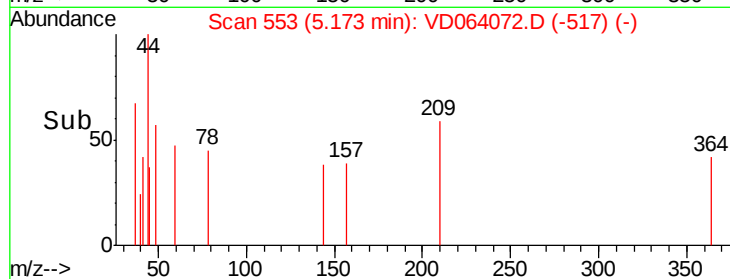
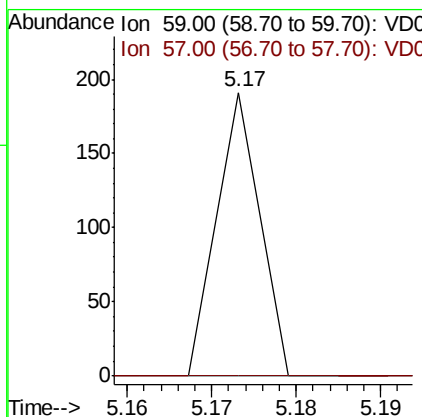
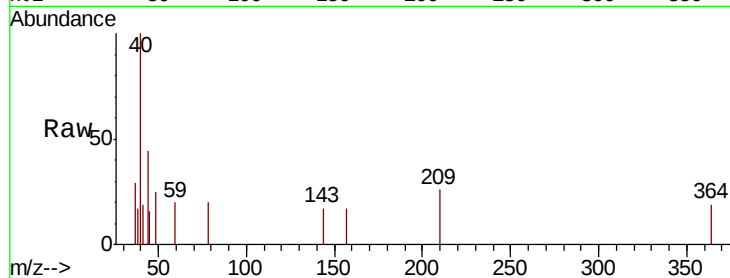




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 553
Delta R.T. -0.09 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

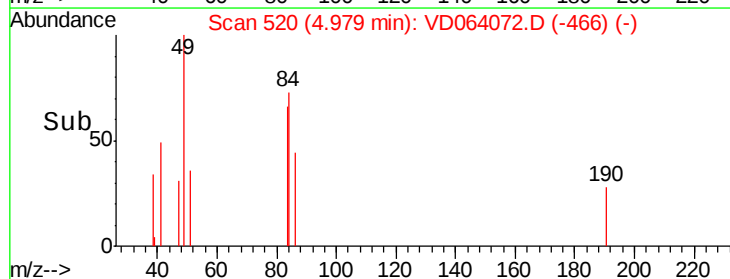
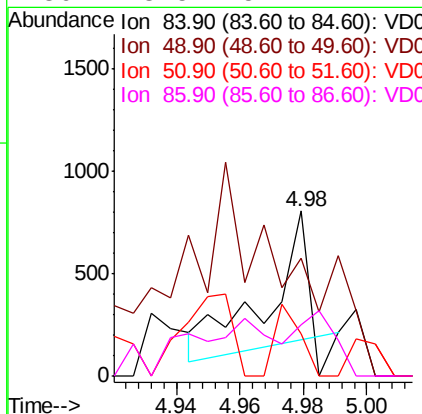
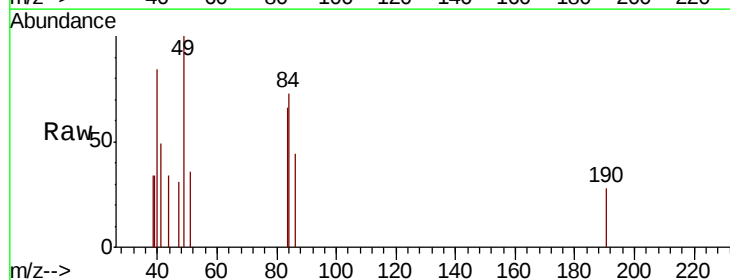
Instrument :
MSVOA_D
ClientSampled :

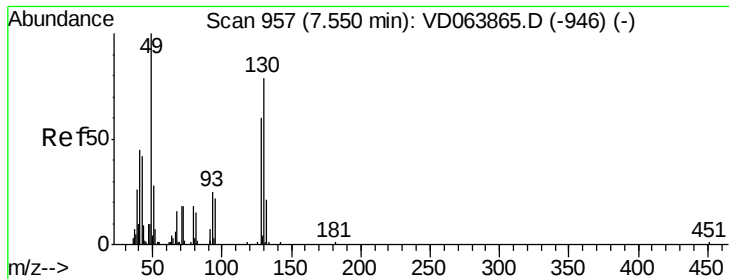
Tot Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Tgt Ion: 84 Resp: 500
Ion Ratio Lower Upper
84 100
49 0.0 97.3 145.9#
51 34.5 30.1 45.1
86 13.5 51.4 77.2#

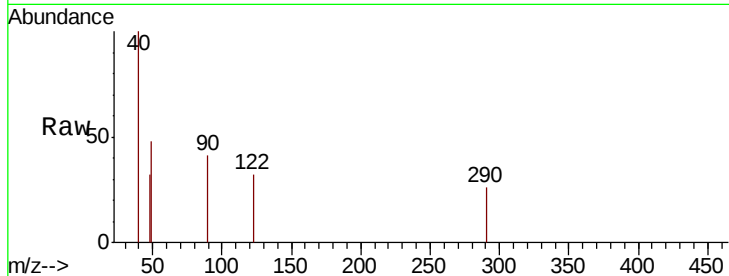




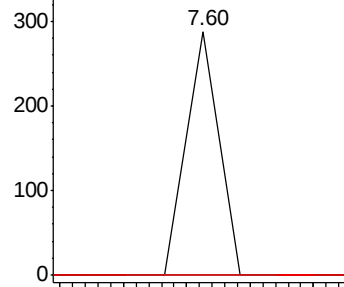
#28
Bromochloromethane
Concen: 1.963 ug/l
RT: 7.60 min Scan# 966
Delta R.T. 0.05 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Instrument :
MSVOA_D
ClientSampleId :

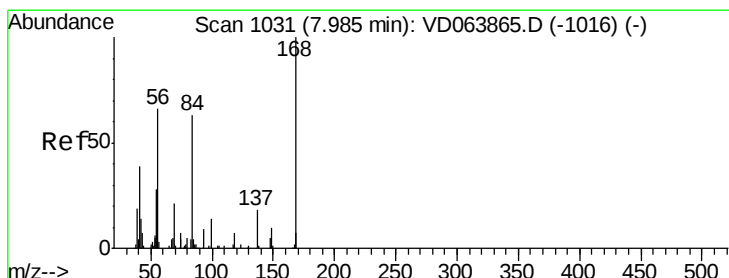
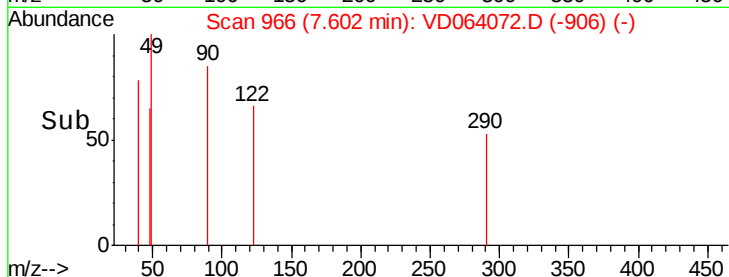
Tot Ion: 49 Resp: 102
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

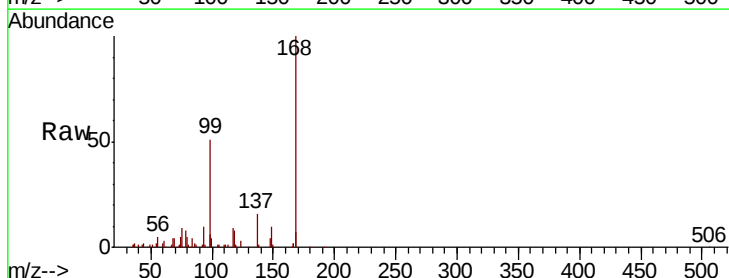


Time--> 7.58 7.59 7.60 7.61 7.62

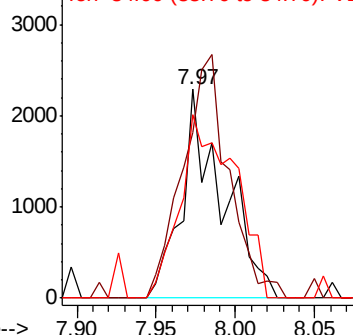


#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

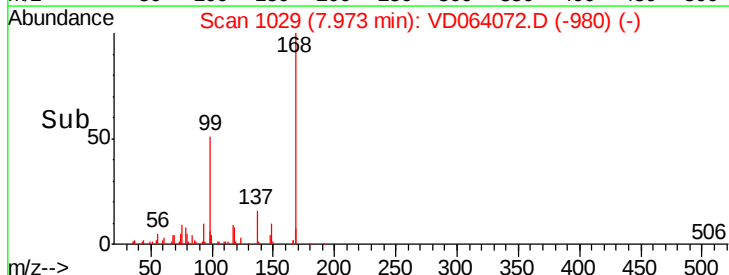
Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 79.2 25.0 37.4#
84 88.1 76.3 114.5

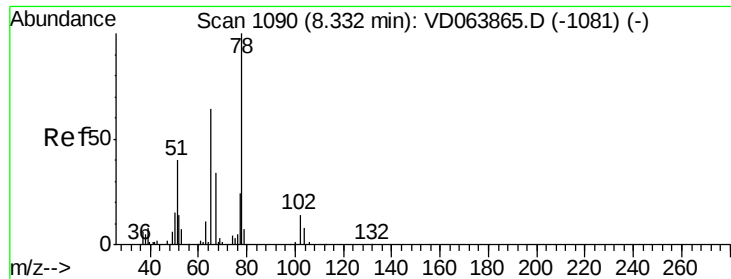


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time--> 7.90 7.95 8.00 8.05





#33

1,2-Dichloroethane-d4

Concen: 55.050 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

Instrument :

MSVOA_D

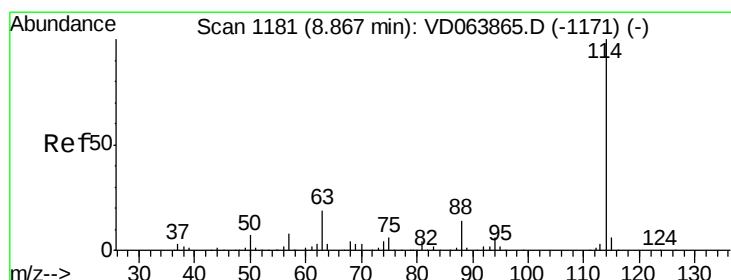
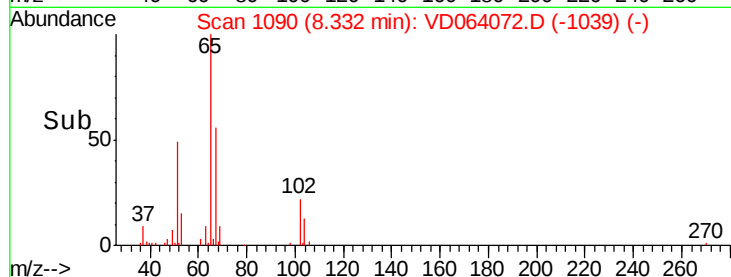
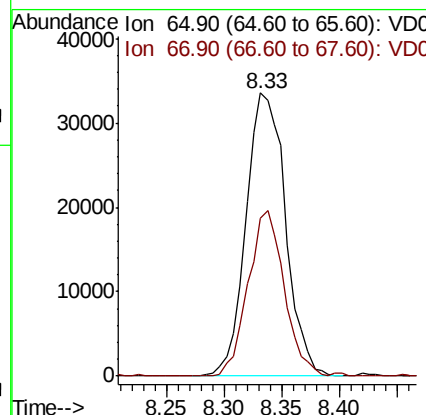
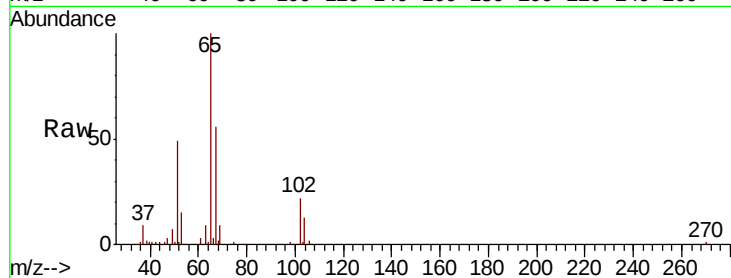
ClientSampleId :

Tot Ion: 65 Resp: 79916

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

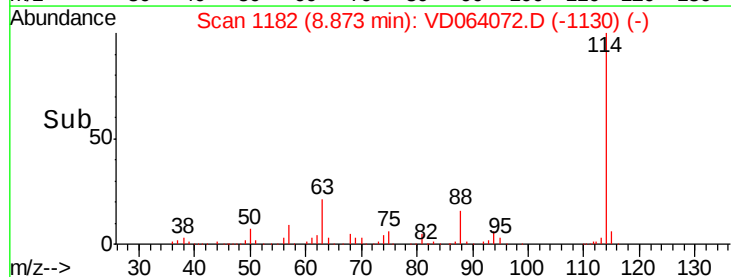
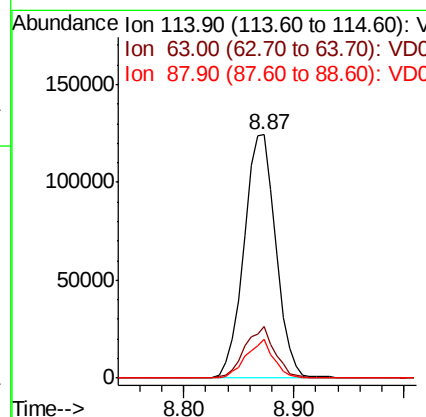
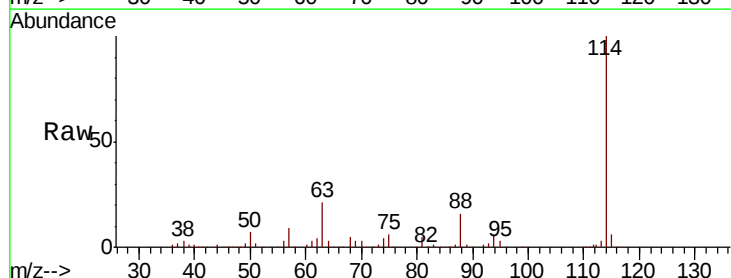
Tgt Ion: 114 Resp: 253712

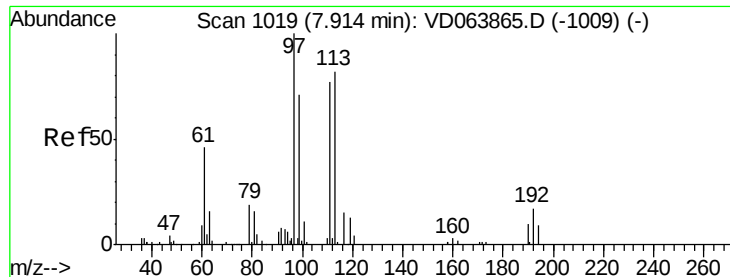
Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.4

88 15.7 0.0 27.4

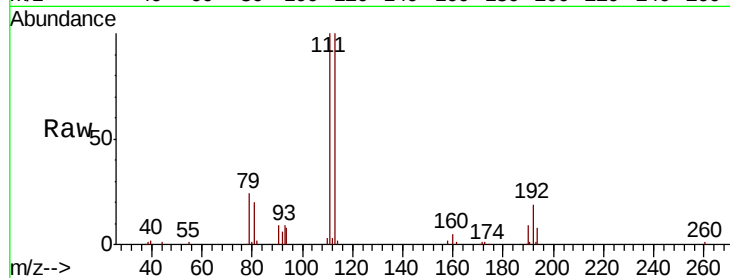




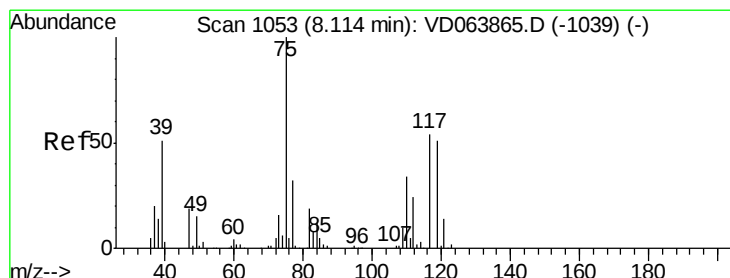
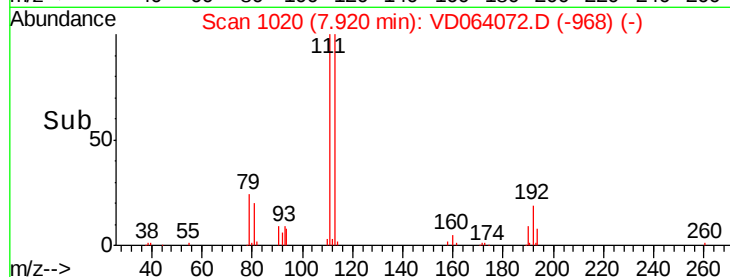
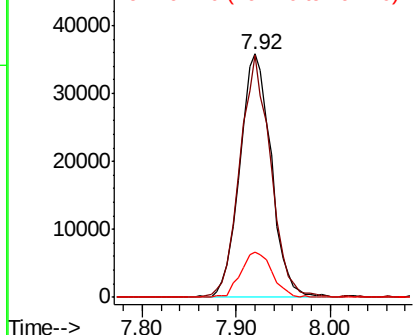
#35
Dibromofluoromethane
Concen: 53.428 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 82841
Ion Ratio Lower Upper
113 100
111 97.6 82.6 123.8
192 18.5 17.1 25.7

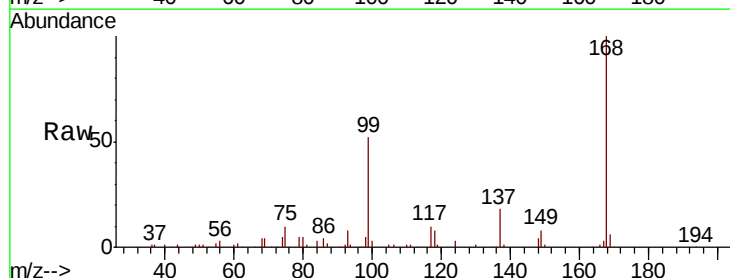


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

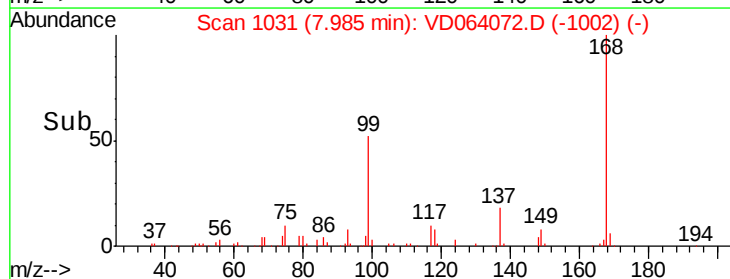
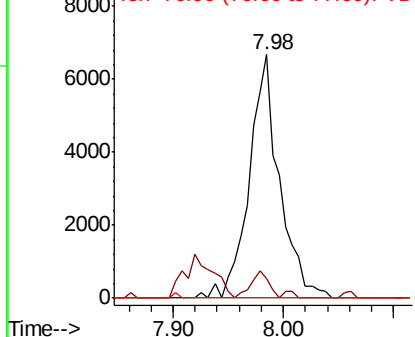


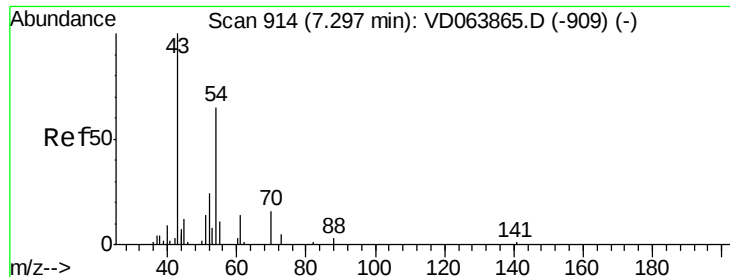
#36
1,1-Dichloropropene
Concen: 5.523 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Tgt Ion: 75 Resp: 12811
Ion Ratio Lower Upper
75 100
110 6.8 17.4 52.3#
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

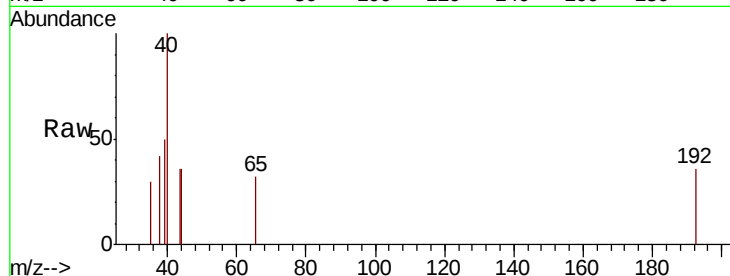




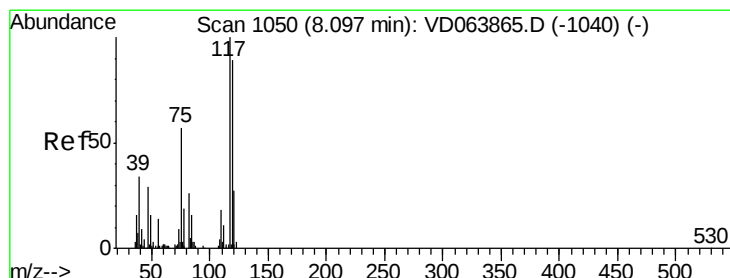
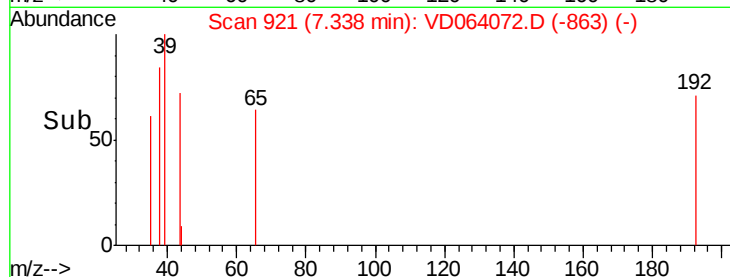
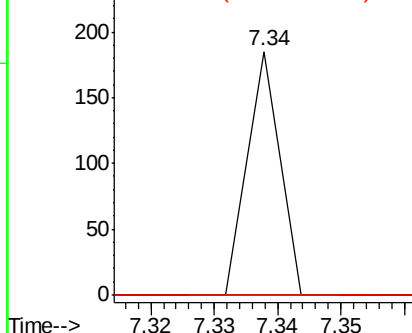
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.34 min Scan# 921
Delta R.T. 0.04 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

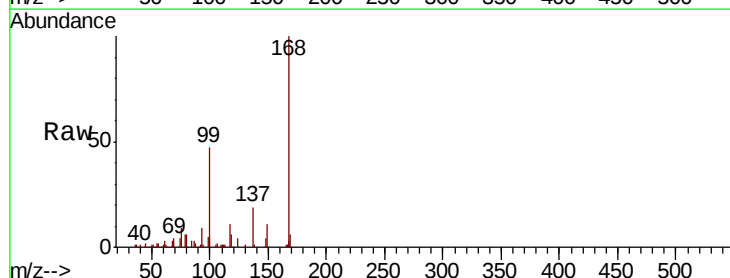


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

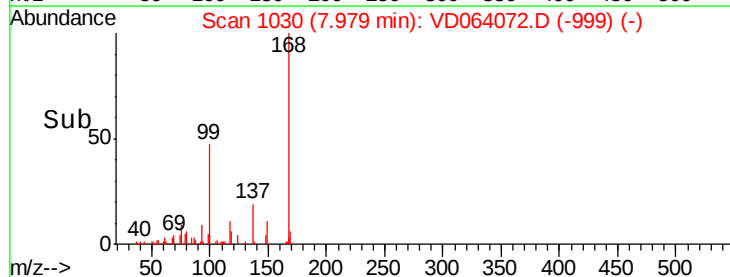
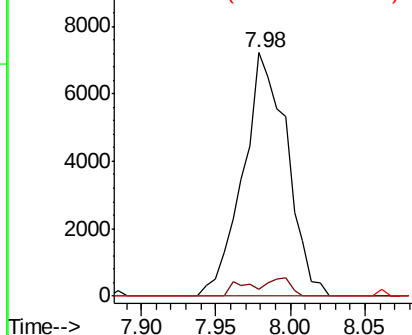


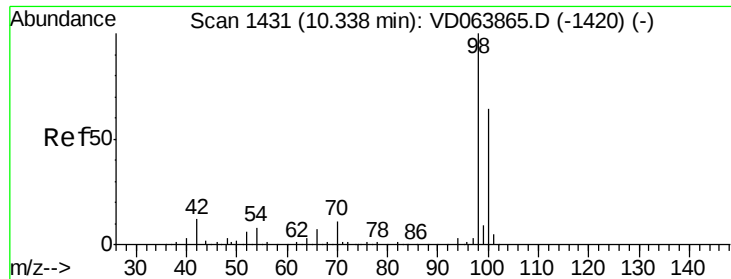
#38
Carbon Tetrachloride
Concen: 6.300 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Tgt Ion: 117 Resp: 14769
Ion Ratio Lower Upper
117 100
119 2.7 70.8 106.2#
121 0.0 21.4 32.0#



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: 54.778 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

Instrument :

MSVOA_D

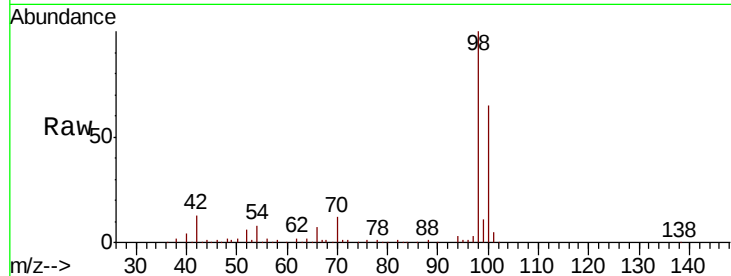
ClientSampleId :

Tot Ion: 98 Resp: 344734

Ion Ratio Lower Upper

98 100

100 66.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VD063865.D (-1420) (-)

Ion 100.00 (99.70 to 100.70): VD063865.D (-1420) (-)

200000

150000

100000

50000

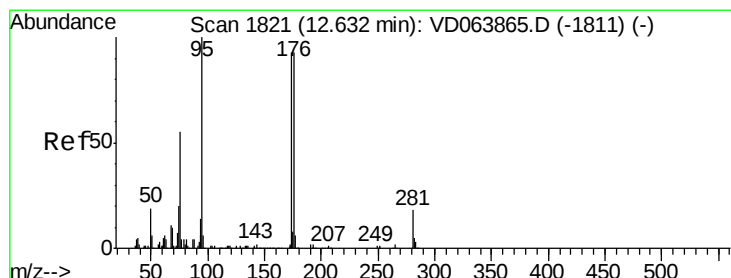
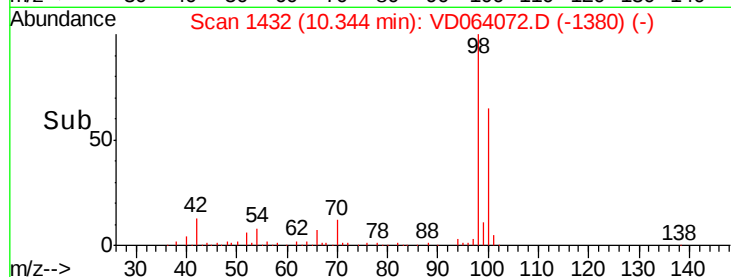
0

10.30

10.34

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.921 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

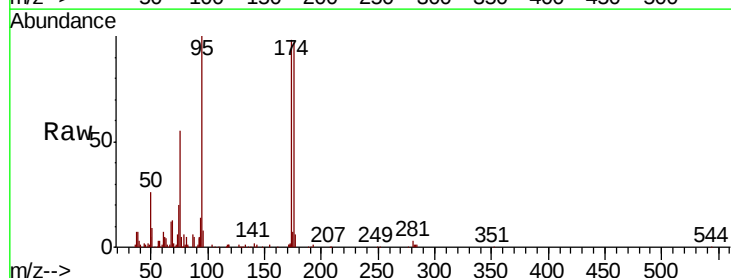
Tgt Ion: 95 Resp: 100425

Ion Ratio Lower Upper

95 100

174 96.5 0.0 186.4

176 91.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD063865.D (-1811) (-)

Ion 173.80 (173.50 to 174.50): VD063865.D (-1811) (-)

Ion 175.80 (175.50 to 176.50): VD063865.D (-1811) (-)

80000

60000

40000

20000

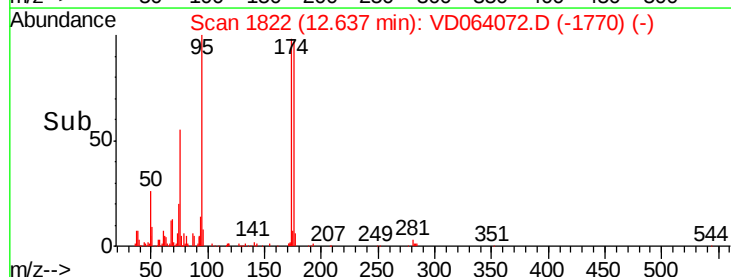
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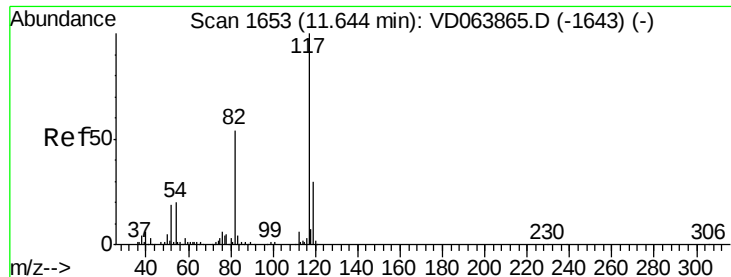
12.60

12.64

12.70

Time-->

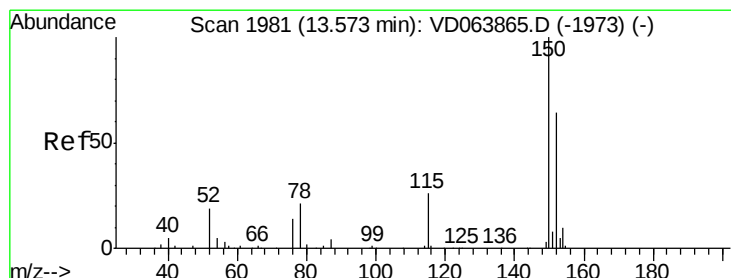
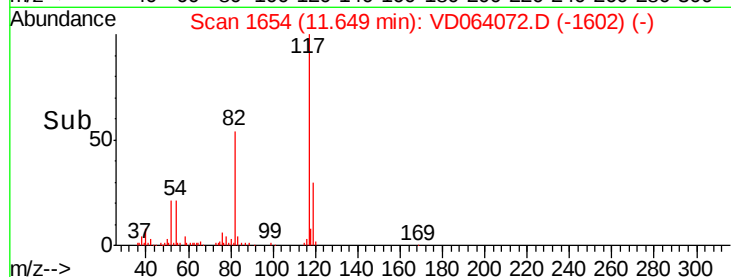
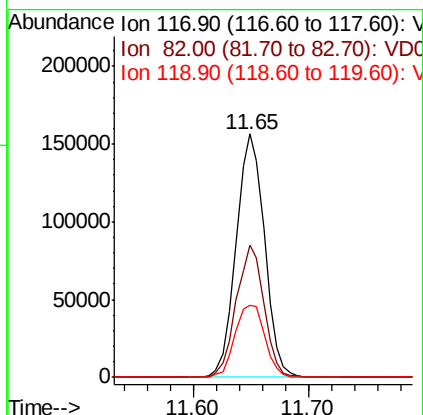
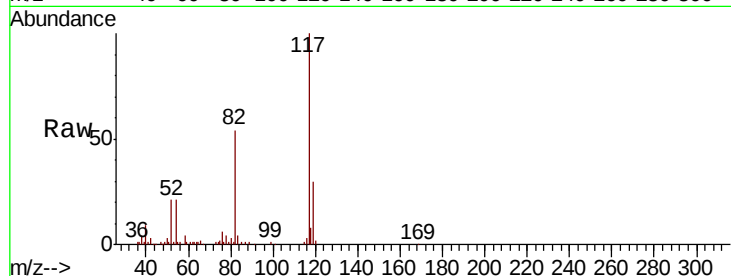




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

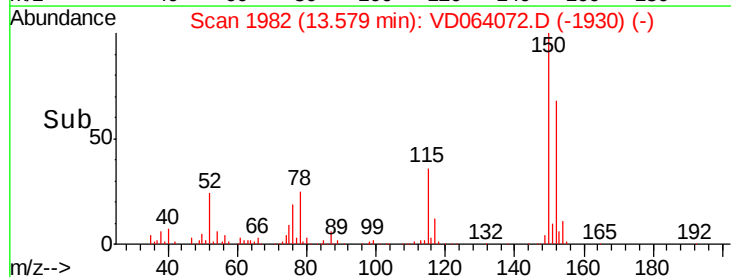
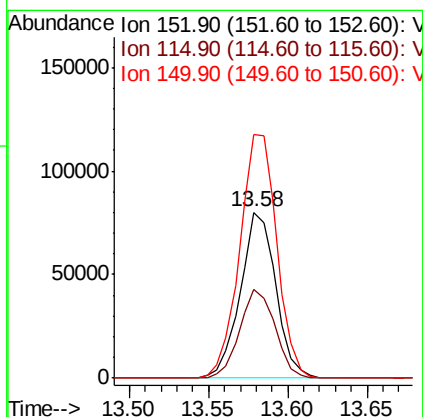
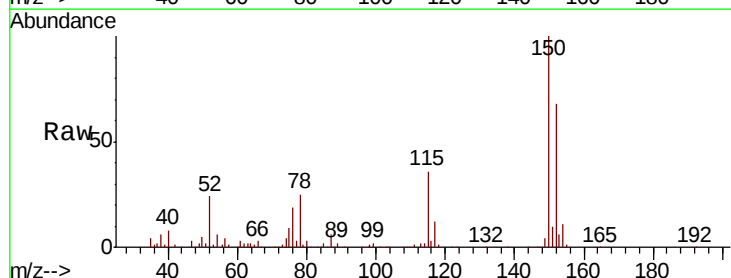
Instrument :
MSVOA_D
ClientSampleId :

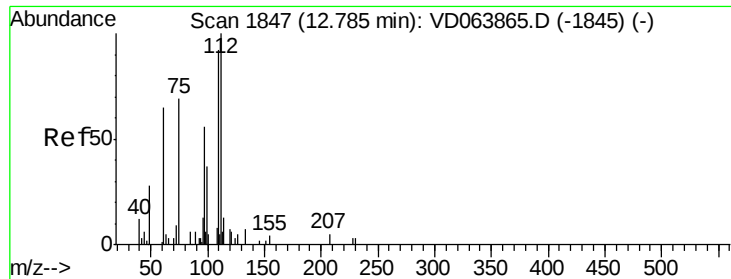
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.8	64.2
119	29.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064072.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	25.9	77.7
150	154.1	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 66.191 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

Instrument :

MSVOA_D

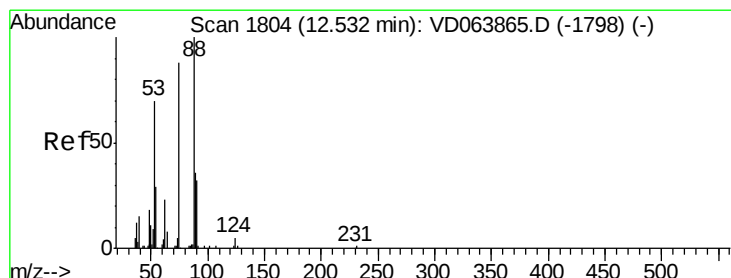
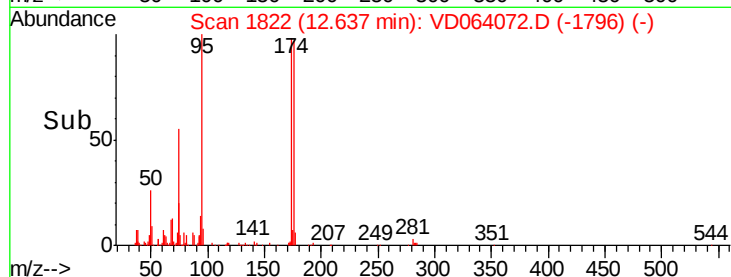
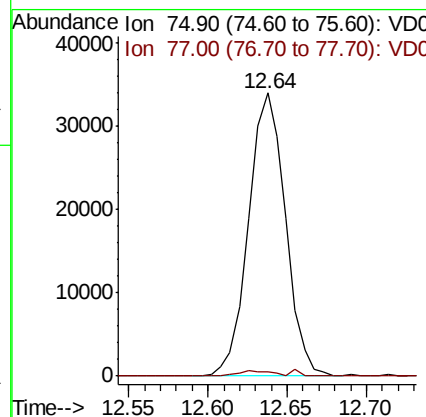
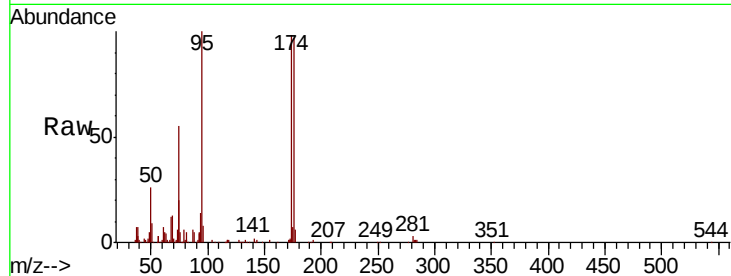
ClientSampleId :

Tot Ion: 75 Resp: 54958

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.132 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

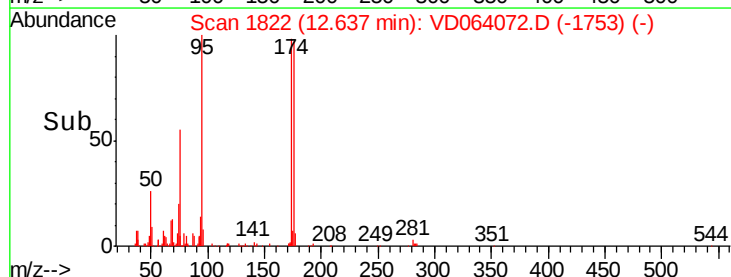
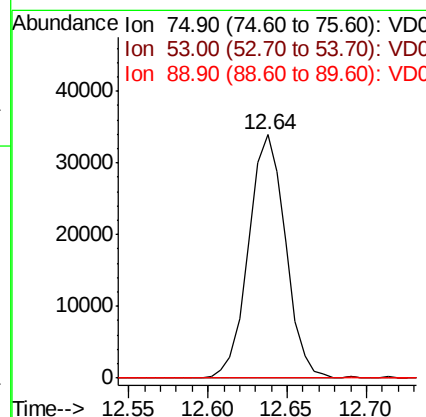
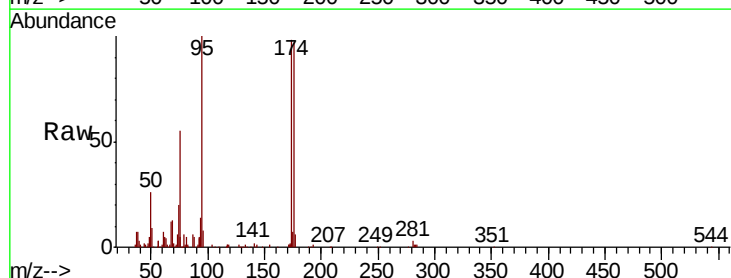
Tgt Ion: 75 Resp: 54958

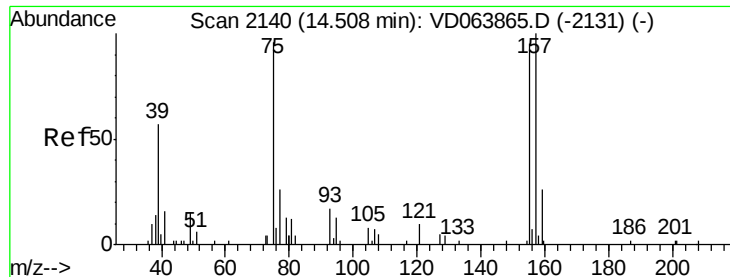
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD064072.D

Acq: 25 Oct 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

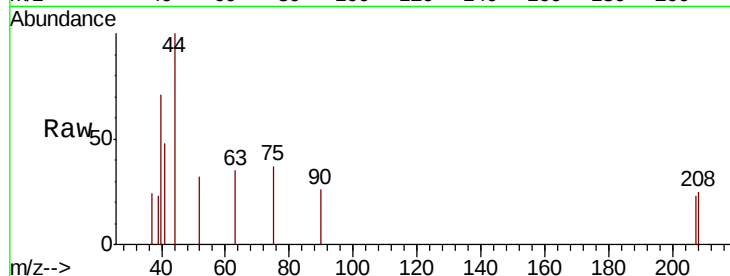
Tot Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



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

