

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064007.D
 Acq On : 18 Oct 2019 13:29
 Operator : VA/SY
 Sample : K5420-11
 Misc : 5.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:38:45 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	178455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	328028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156759	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	98041	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
35) Dibromofluoromethane	7.92	113	101105	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.34	98	435777	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.64	95	136000	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

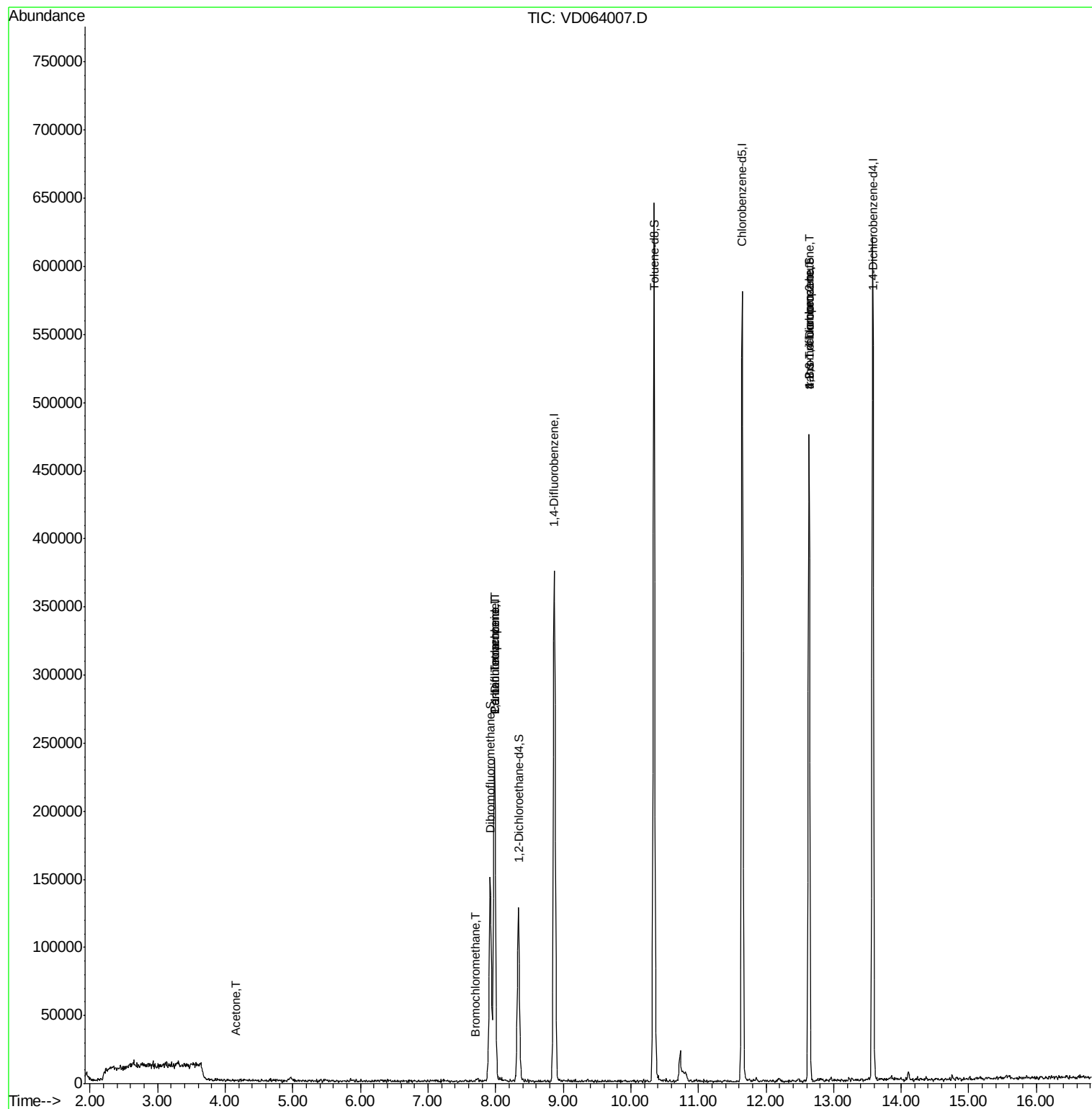
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	957	Below Cal		96
11) Tert butyl alcohol	5.26	59	84	Below Cal	#	71
16) Acetone	4.17	43	510	1.127	ug/l #	42
20) Methylene Chloride	4.96	84	590	Below Cal	#	30
28) Bromochloromethane	7.69	49	145	1.982	ug/l #	10
31) Cyclohexane	7.98	56	4824	Below Cal	#	1
36) 1,1-Dichloropropene	7.98	75	14460	4.745	ug/l #	51
37) Ethyl Acetate	7.30	43	64	Below Cal	#	1
38) Carbon Tetrachloride	7.98	117	18041	5.858	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	72906	69.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	72906	122.879	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	75	Below Cal	#	1

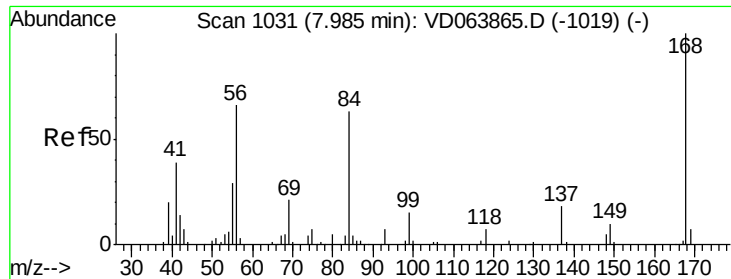
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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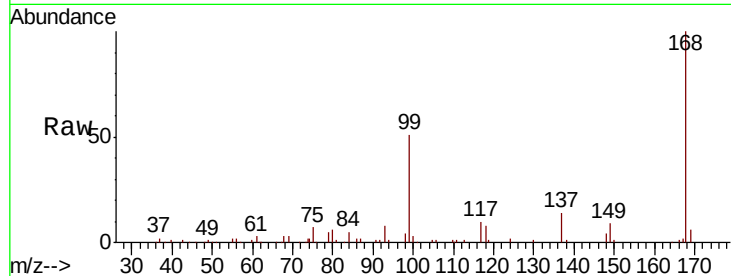




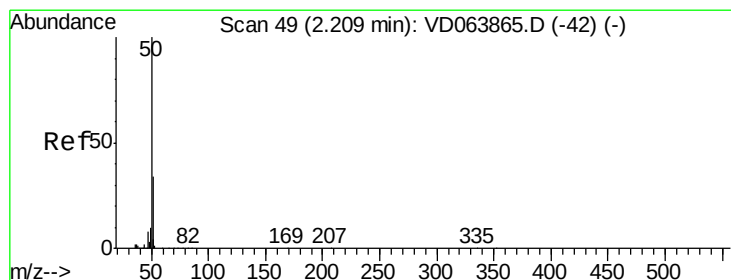
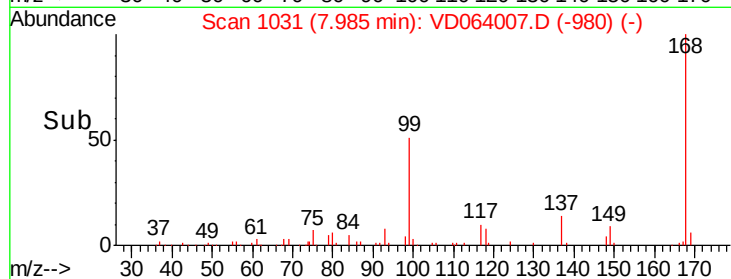
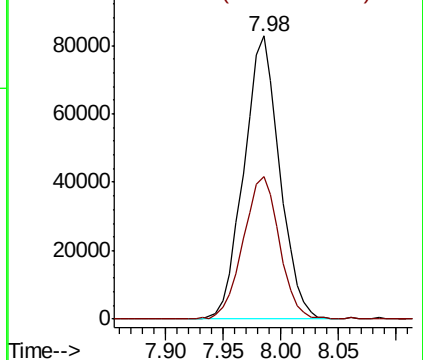
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 178455
Ion Ratio Lower Upper
168 100
99 50.5 43.0 64.4

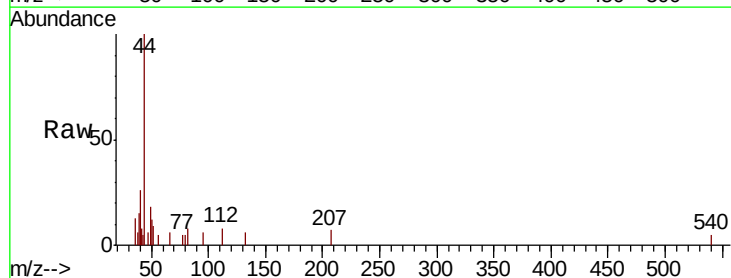


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

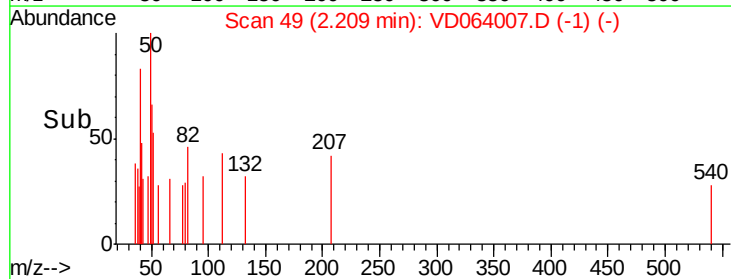
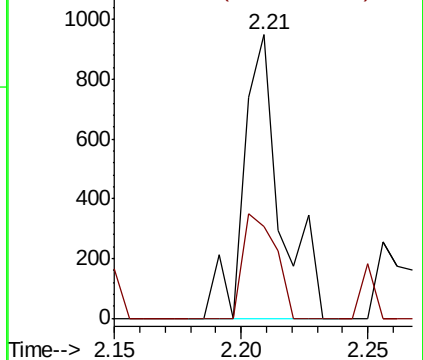


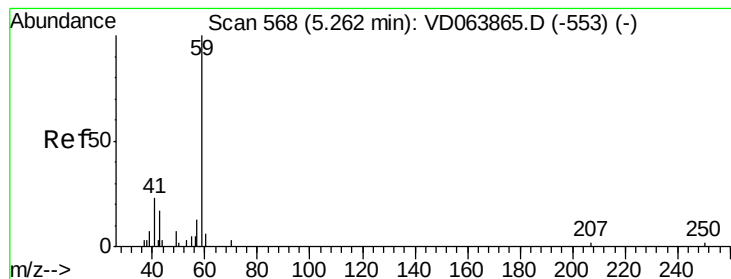
#3
Chloromethane
Concen: Below Cal
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Tgt Ion: 50 Resp: 957
Ion Ratio Lower Upper
50 100
52 32.2 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



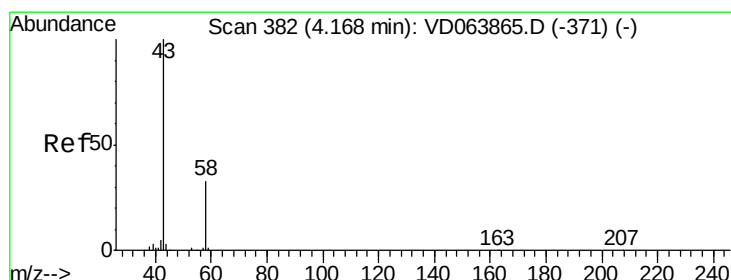
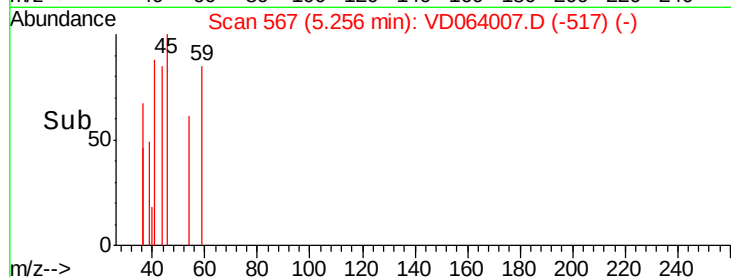
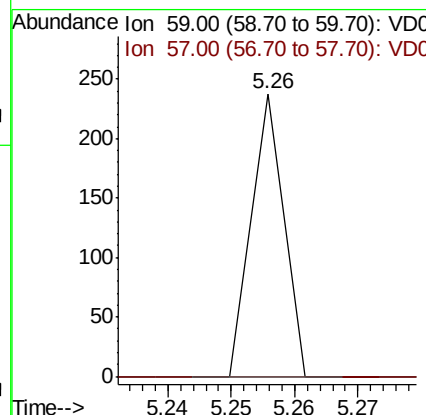
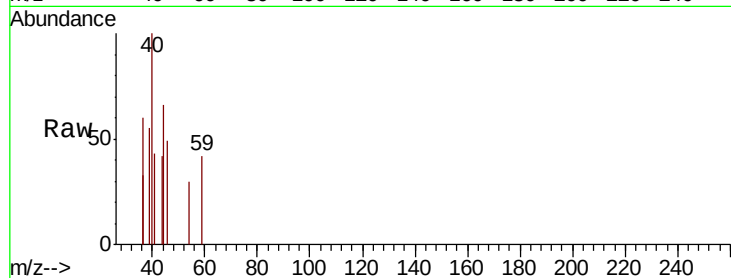


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

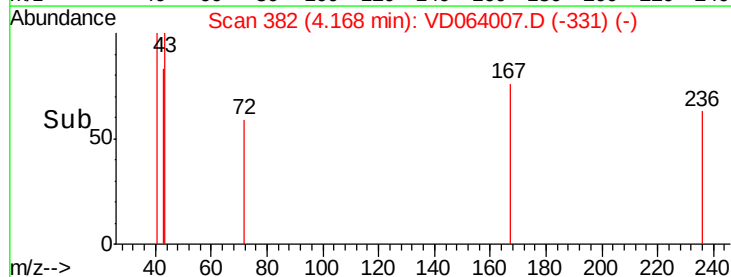
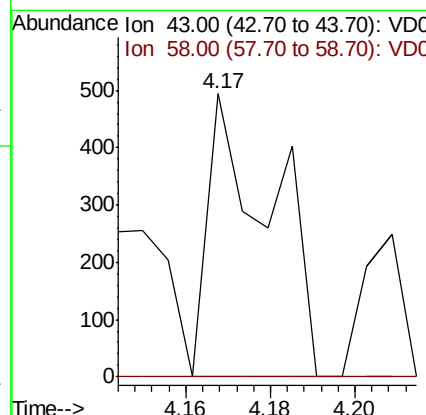
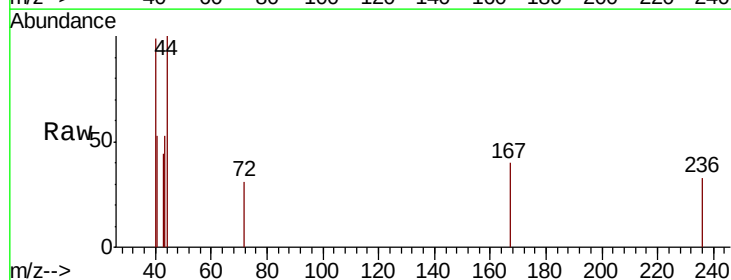
Tot Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

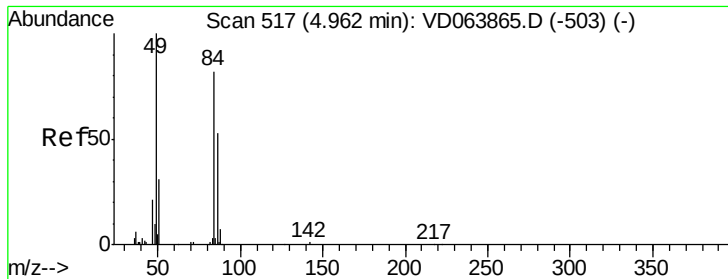


#16

Acetone
Concen: 1.127 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#

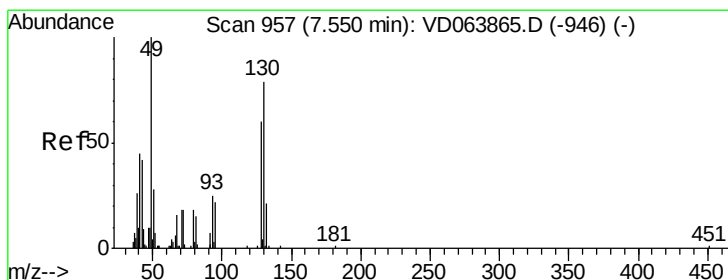
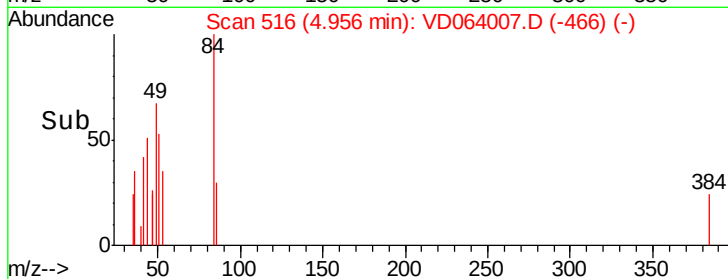
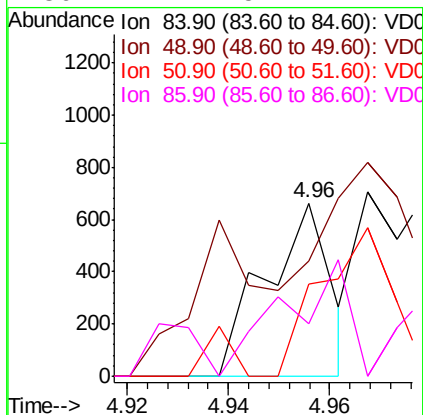
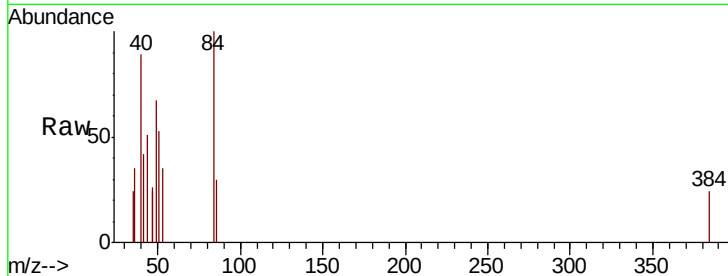




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

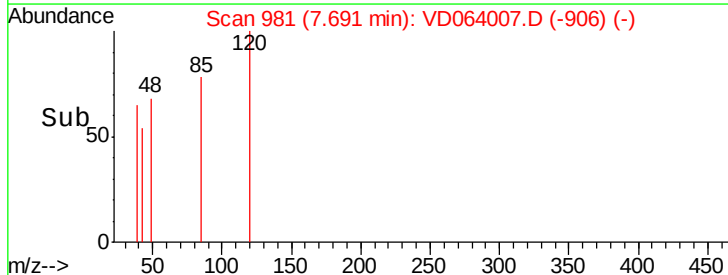
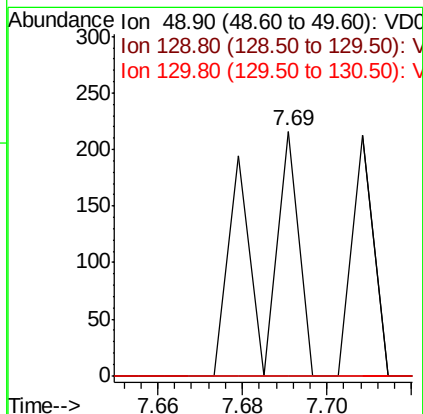
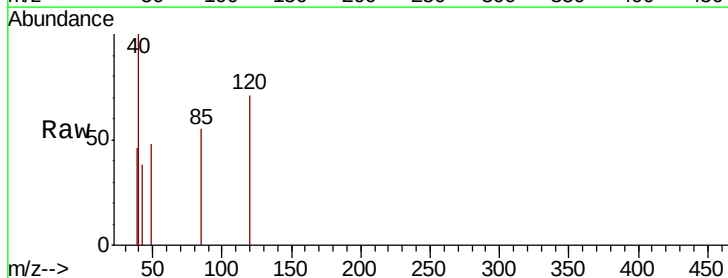
Instrument :
MSVOA_D
ClientSampleId :

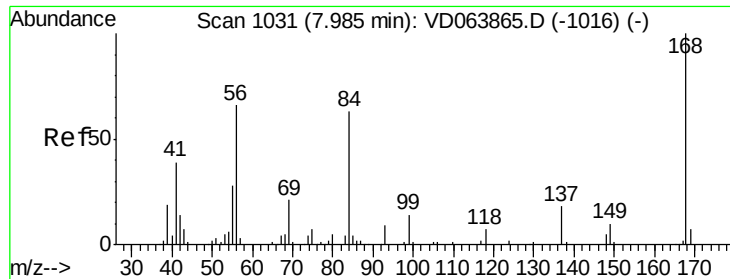
Tot Ion:	84	Resp:	590
Ion	Ratio	Lower	Upper
84	100		
49	33.2	97.3	145.9#
51	53.2	30.1	45.1#
86	2.1	51.4	77.2#



#28
Bromochloromethane
Concen: 1.982 ug/l
RT: 7.69 min Scan# 981
Delta R.T. 0.14 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Tgt Ion:	49	Resp:	145
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#

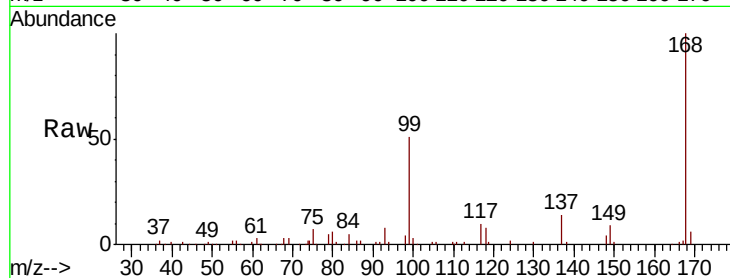




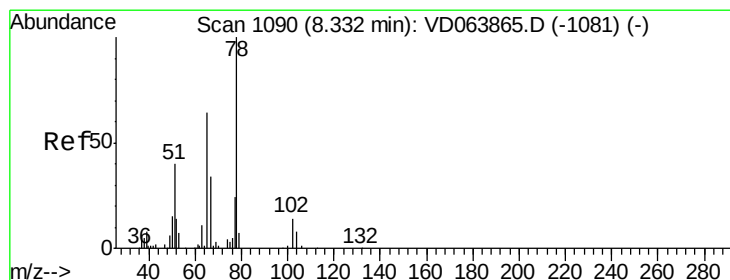
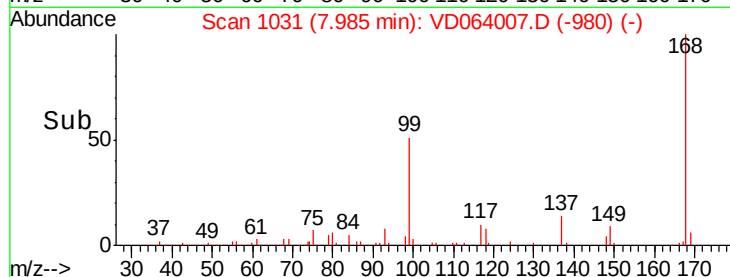
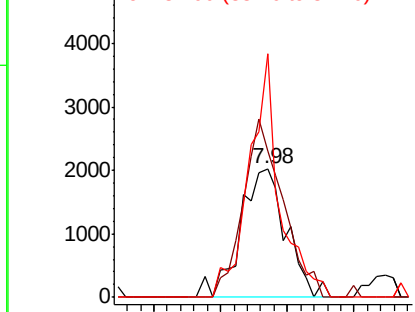
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4824
Ion Ratio Lower Upper
56 100
69 114.1 25.0 37.4#
84 189.3 76.3 114.5#

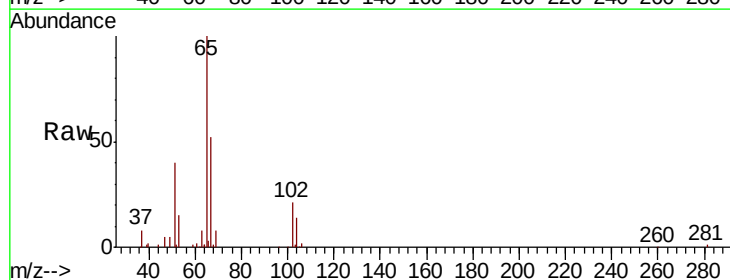


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

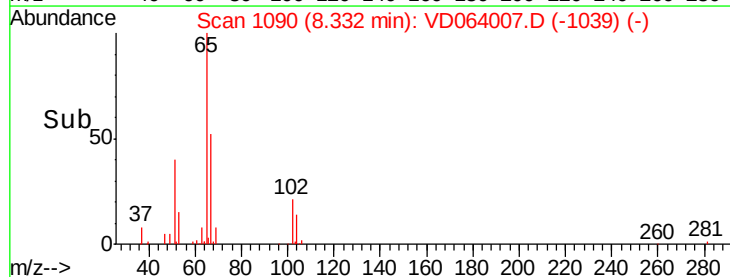
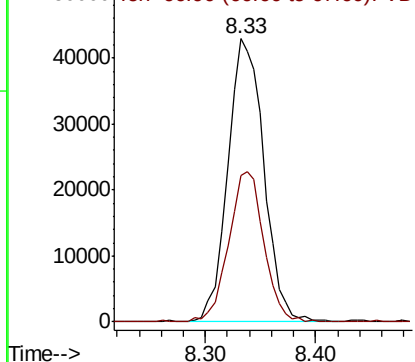


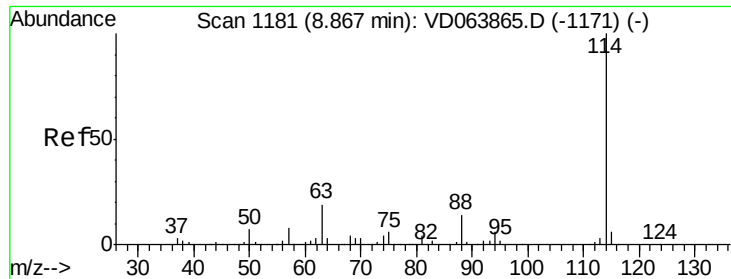
#33
1,2-Dichloroethane-d4
Concen: 56.430 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Tgt Ion: 65 Resp: 98041
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.4



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

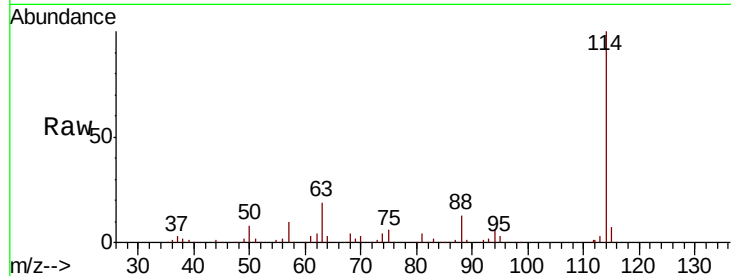




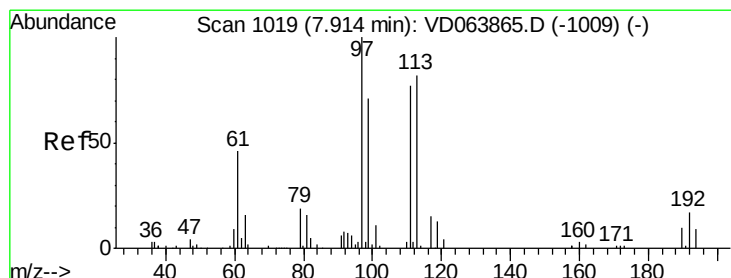
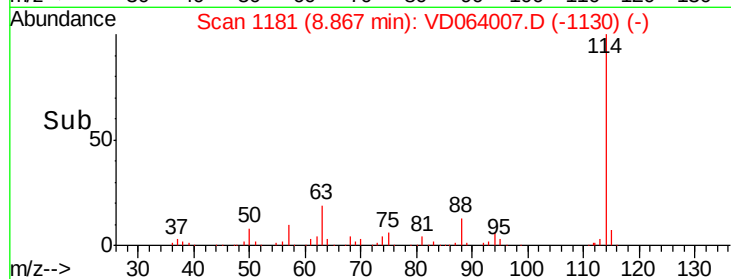
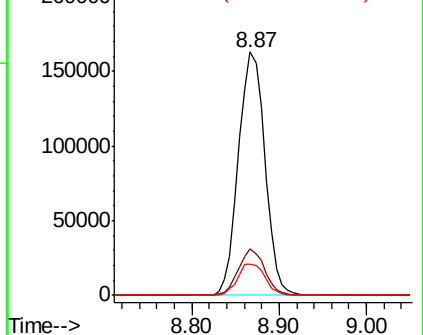
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064007.D
 Acq: 18 Oct 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 333309
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 13.0 0.0 27.4

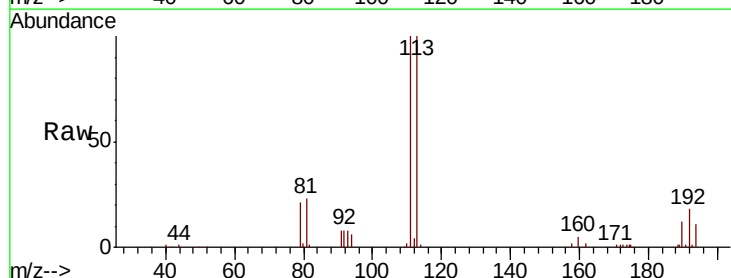


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

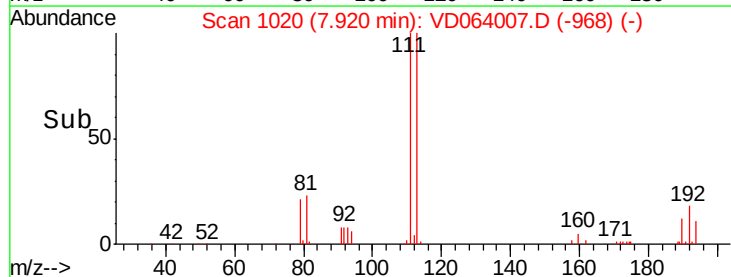
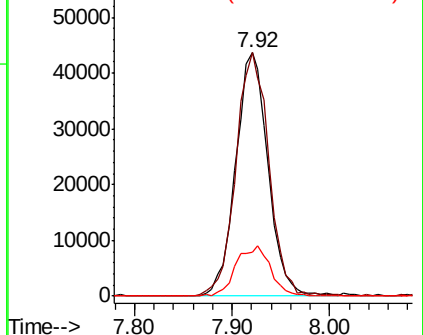


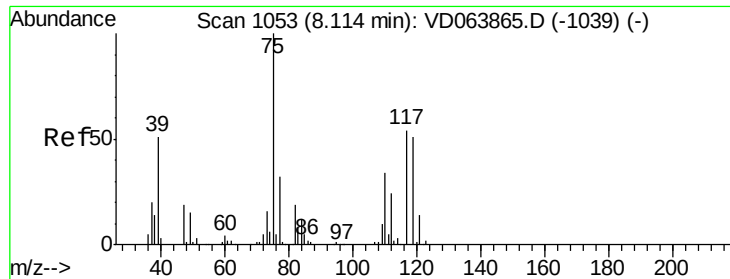
#35
 Dibromofluoromethane
 Concen: 49.635 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064007.D
 Acq: 18 Oct 2019 13:29

Tgt Ion:113 Resp: 101105
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 22.0 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: 4.745 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

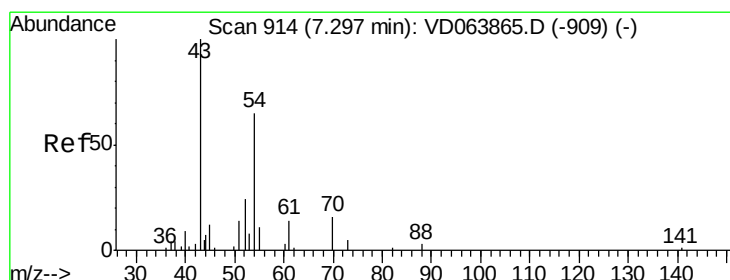
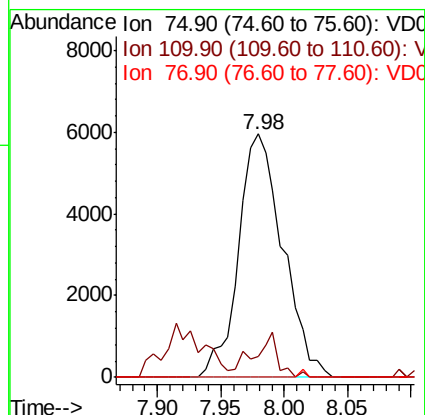
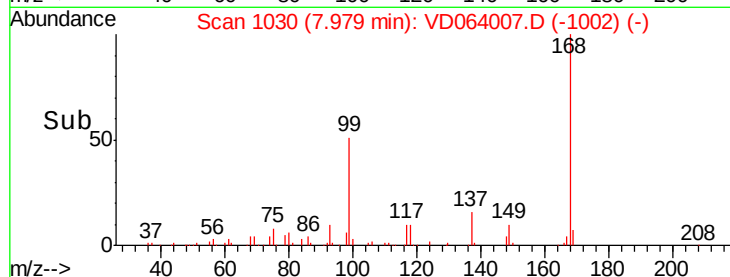
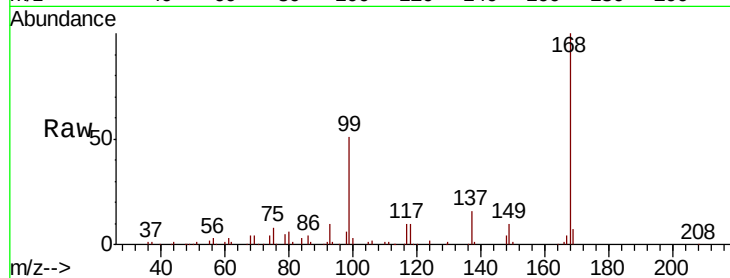
Tot Ion: 75 Resp: 14460

Ion Ratio Lower Upper

75 100

110 10.3 17.4 52.3#

77 0.0 25.4 38.0#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

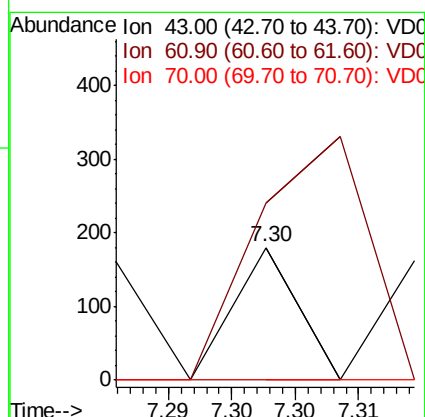
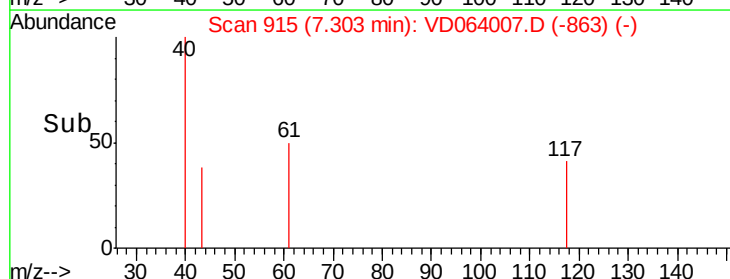
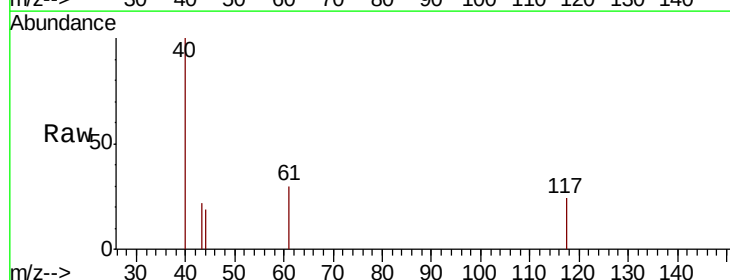
Tgt Ion: 43 Resp: 64

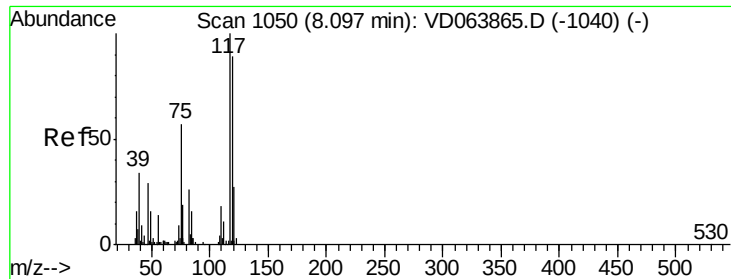
Ion Ratio Lower Upper

43 100

61 315.6 11.5 17.3#

70 0.0 8.2 12.4#

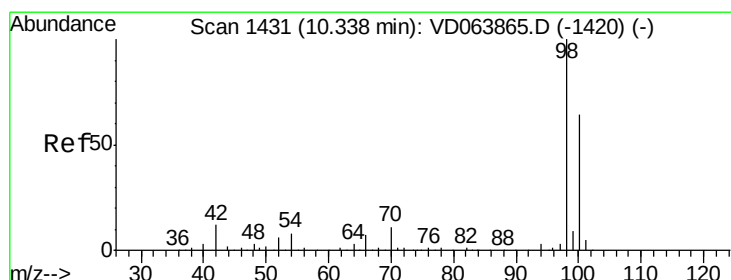
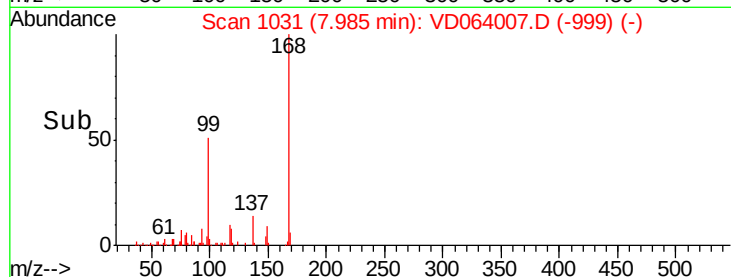
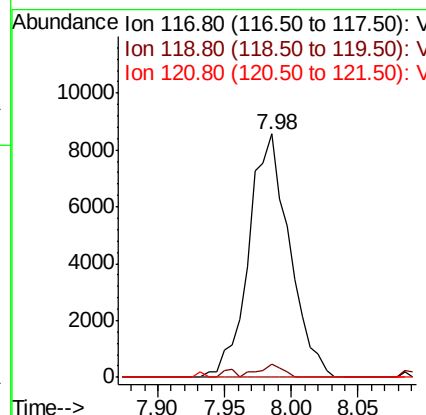
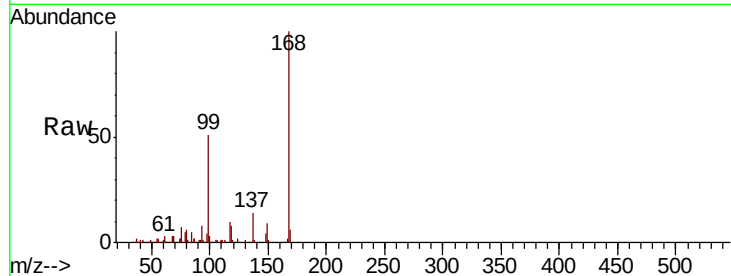




#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

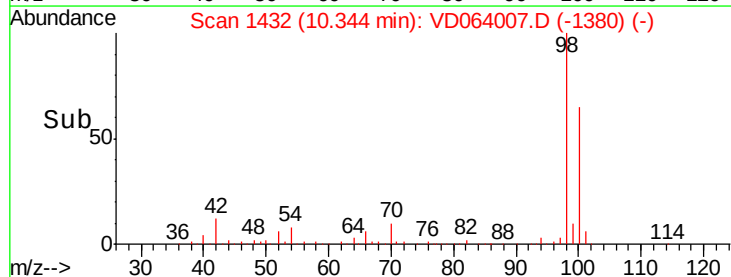
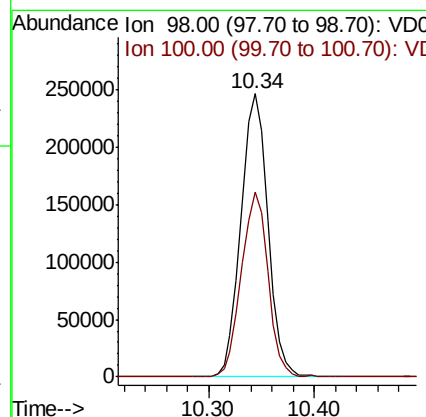
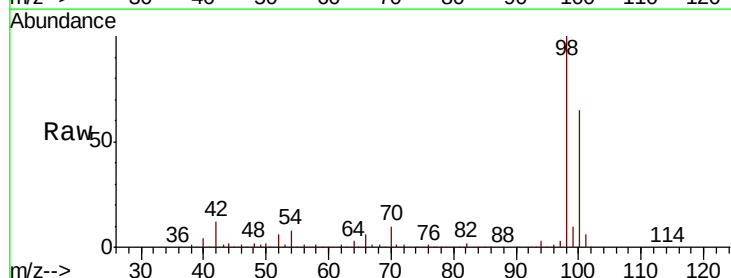
Instrument :
MSVOA_D
ClientSampled :

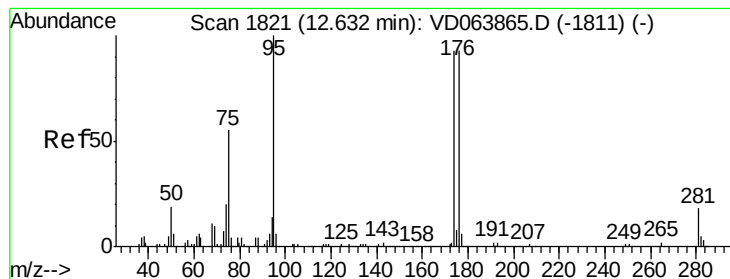
Tot Ion:117 Resp: 18041
Ion Ratio Lower Upper
117 100
119 5.3 70.8 106.2#
121 0.0 21.4 32.0#



#50
Toluene-d8
Concen: 52.709 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064007.D
Acq: 18 Oct 2019 13:29

Tgt Ion: 98 Resp: 435777
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 47.337 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

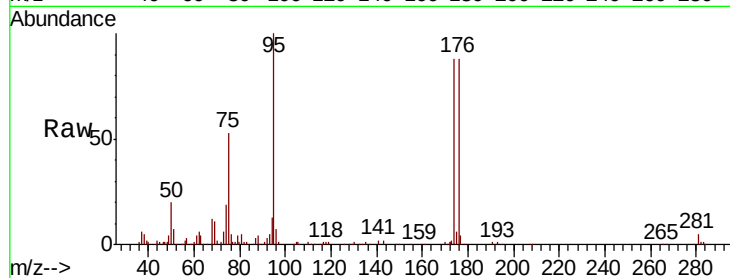
Tot Ion: 95 Resp: 136000

Ion Ratio Lower Upper

95 100

174 91.3 0.0 186.4

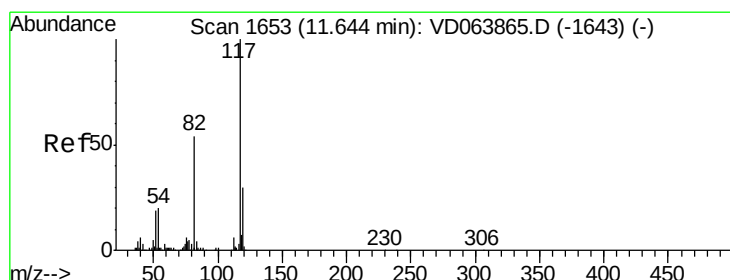
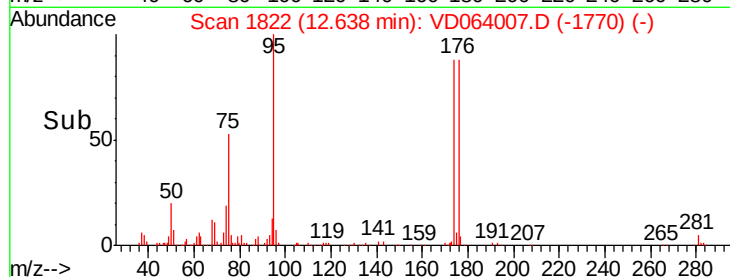
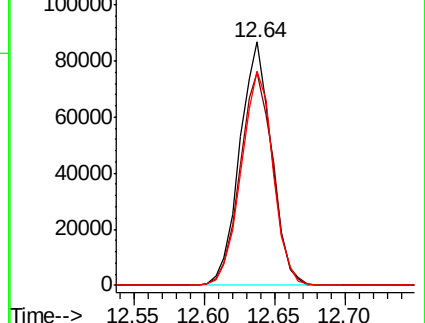
176 88.6 0.0 184.2



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. 0.01 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

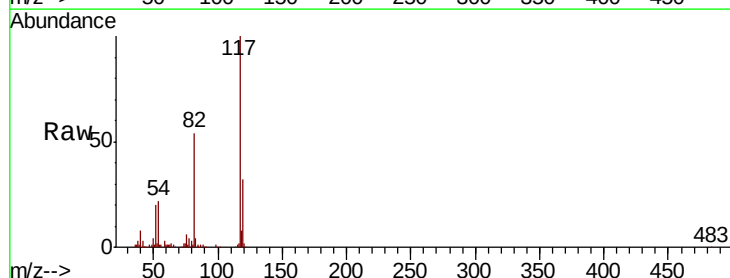
Tgt Ion: 117 Resp: 328028

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

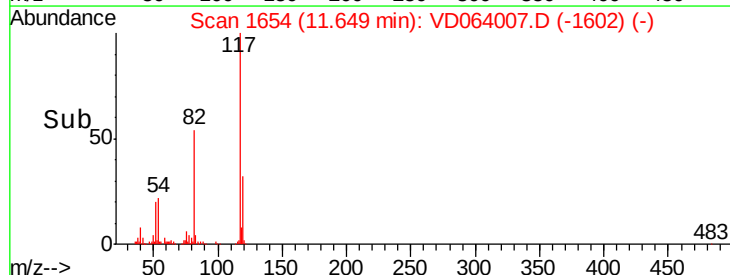
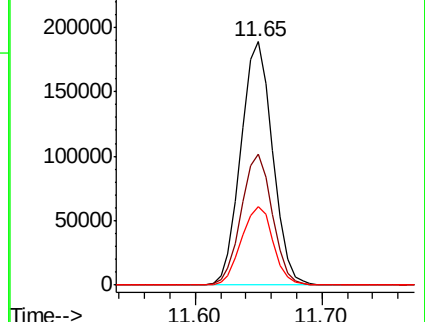
119 32.0 24.4 36.6

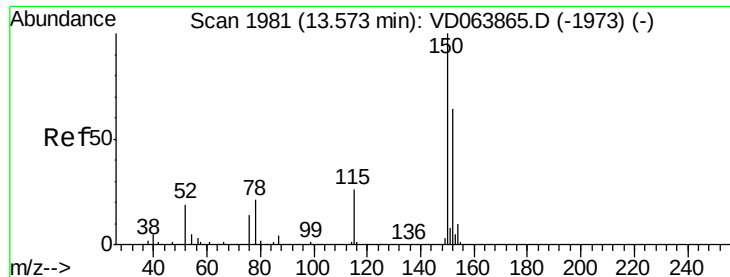


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.01 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

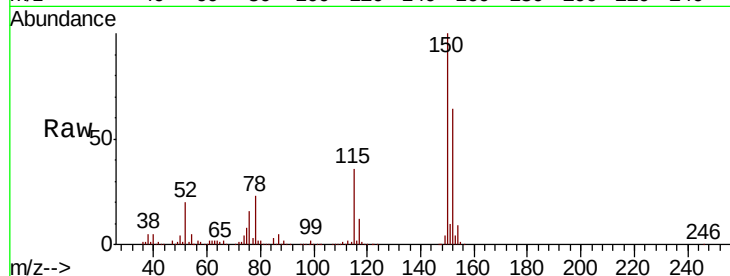
Tot Ion:152 Resp: 156759

Ion Ratio Lower Upper

152 100

115 55.1 25.9 77.7

150 159.4 0.0 344.2



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

200000

150000

100000

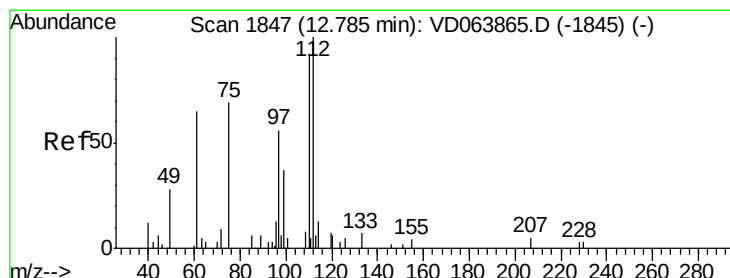
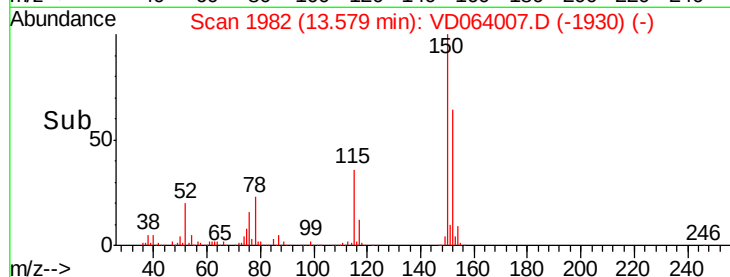
50000

0

13.58

13.50 13.55 13.60 13.65

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.439 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064007.D

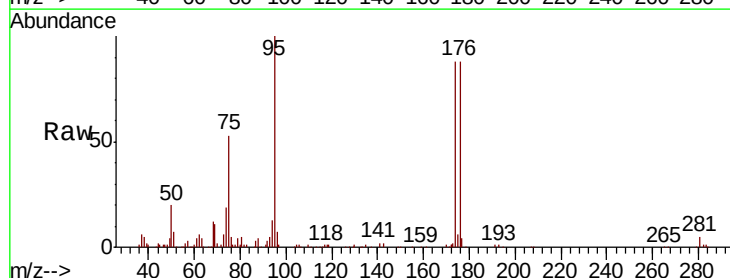
Acq: 18 Oct 2019 13:29

Tgt Ion: 75 Resp: 72906

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

50000

40000

30000

20000

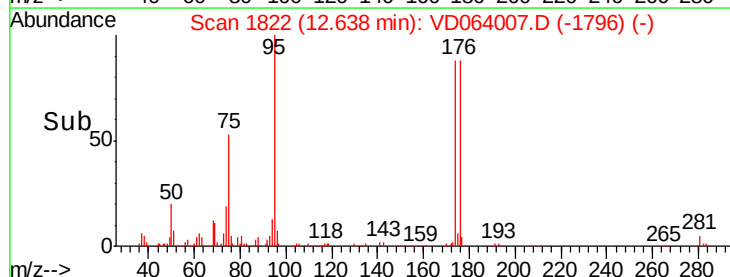
10000

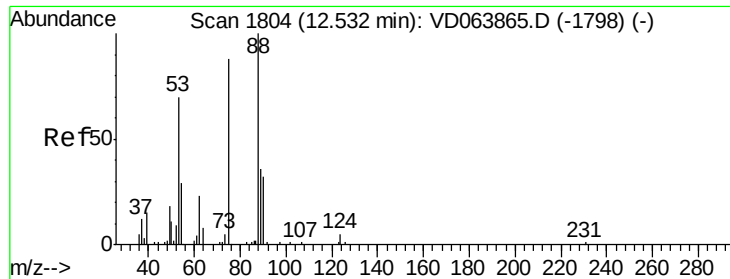
0

12.64

12.55 12.60 12.65 12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 122.879 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

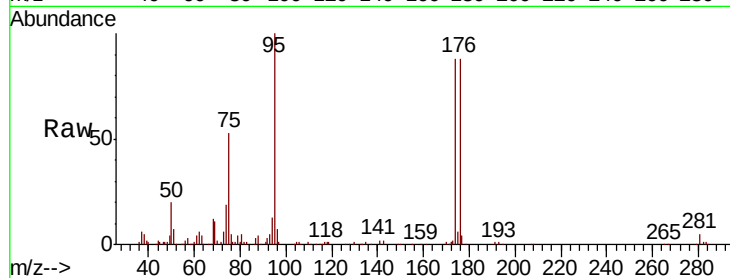
Tot Ion: 75 Resp: 72906

Ion Ratio Lower Upper

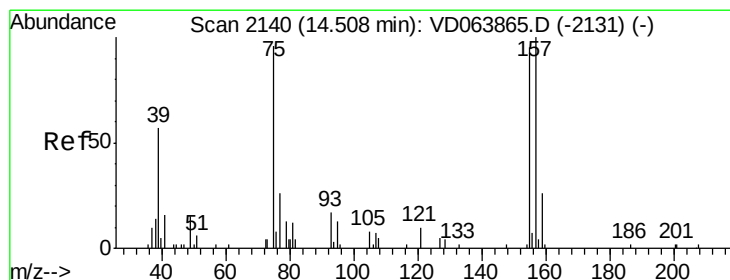
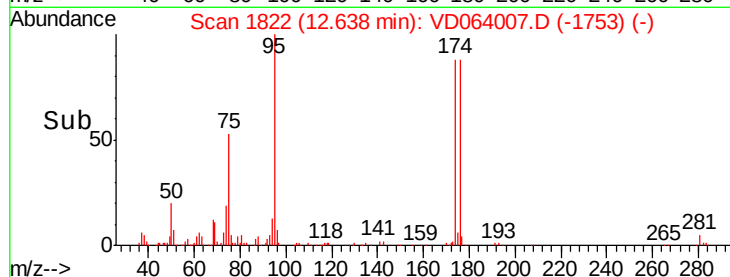
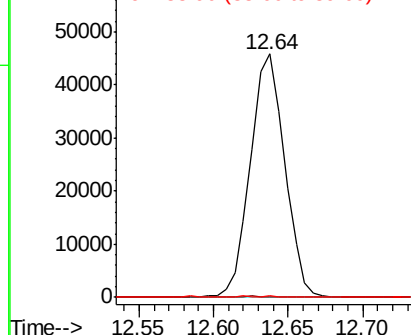
75 100

53 0.0 75.0 112.6#

89 0.1 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD064007.D

Acq: 18 Oct 2019 13:29

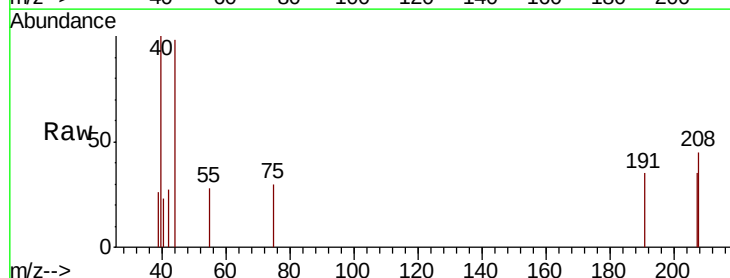
Tgt Ion: 75 Resp: 75

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

