

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064034.D
 Acq On : 23 Oct 2019 21:30
 Operator : VA/SY
 Sample : K5501-04
 Misc : 7.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 06:00:55 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	131418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	259123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	276056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	81909	64.02	ug/l	0.00
Spiked Amount			Recovery	=	128.04%	
35) Dibromofluoromethane	7.92	113	78923	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.34	98	364816	56.76	ug/l	0.00
Spiked Amount			Recovery	=	113.52%	
62) 4-Bromofluorobenzene	12.64	95	104490	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

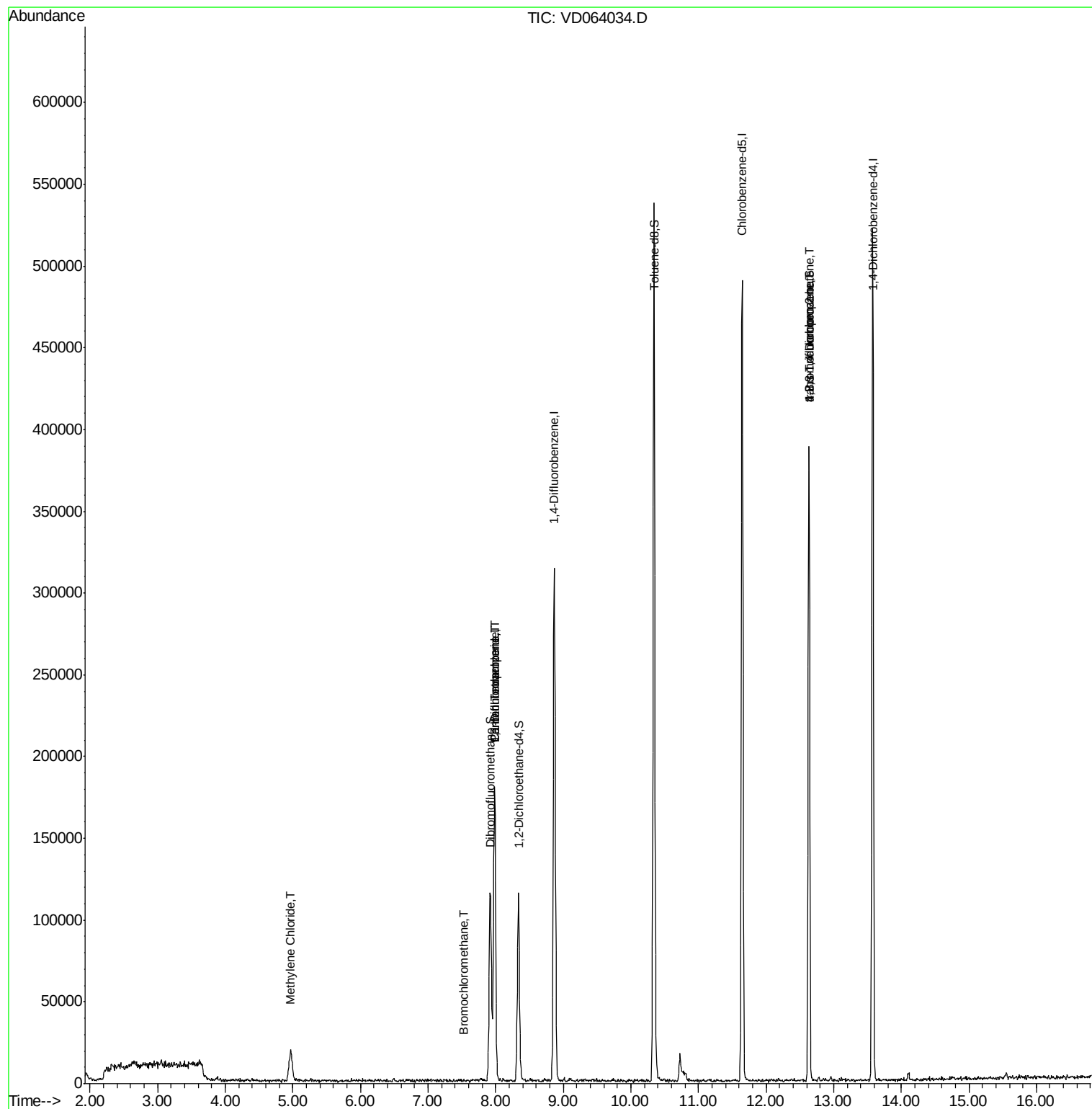
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	173	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	133	Below Cal	#	71
20) Methylene Chloride	4.96	84	15008	7.602	ug/l	95
28) Bromochloromethane	7.53	49	63	1.933	ug/l #	10
31) Cyclohexane	7.98	56	3767	Below Cal	#	39
36) 1,1-Dichloropropene	7.99	75	9858	4.161	ug/l #	50
37) Ethyl Acetate	7.32	43	220	Below Cal	#	70
38) Carbon Tetrachloride	7.99	117	12848	5.366	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	55457	63.902	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	55457	113.080	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.61	75	80	Below Cal	#	1

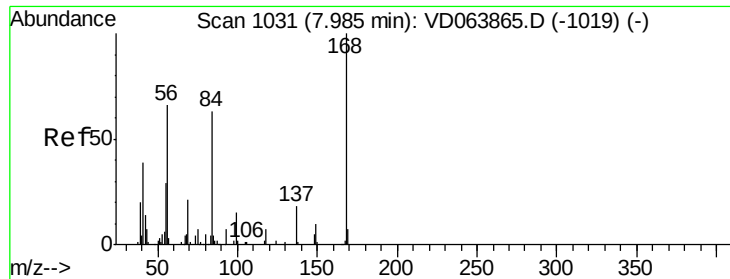
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
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: VD064034.D

Acq: 23 Oct 2019 21:30

Instrument :

MSVOA_D

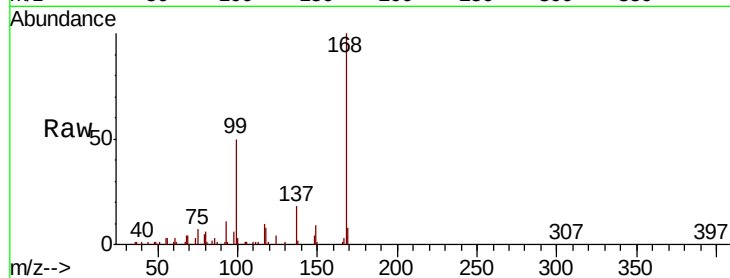
ClientSampleId :

Tot Ion:168 Resp: 131418

Ion Ratio Lower Upper

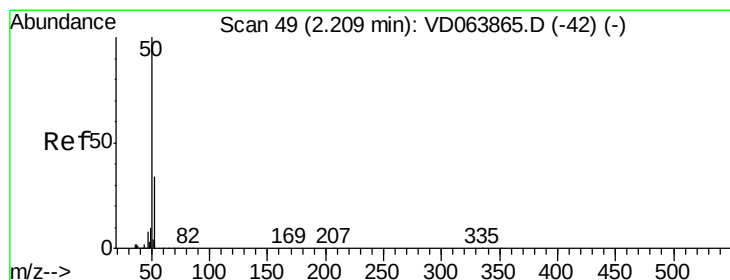
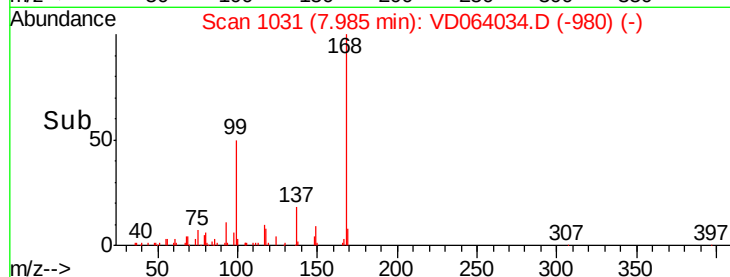
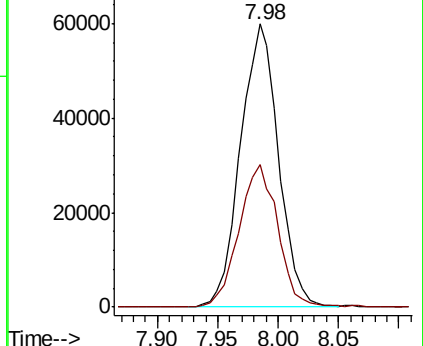
168 100

99 50.4 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: VD064034.D

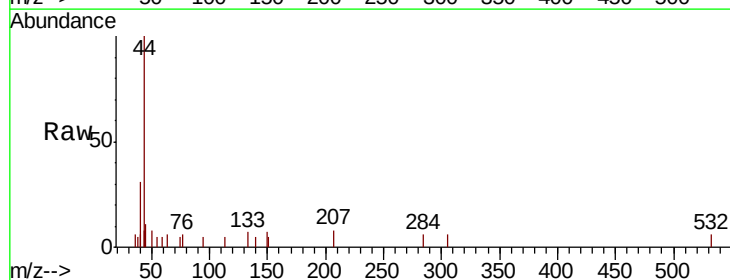
Acq: 23 Oct 2019 21:30

Tgt Ion: 50 Resp: 173

Ion Ratio Lower Upper

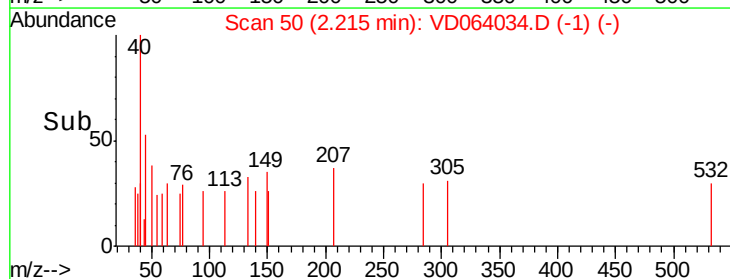
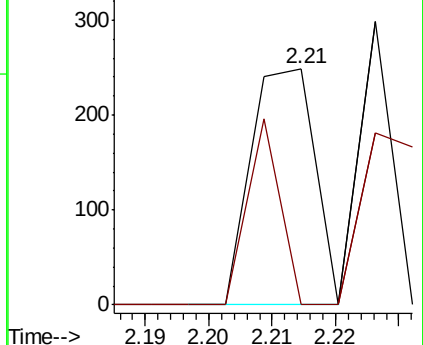
50 100

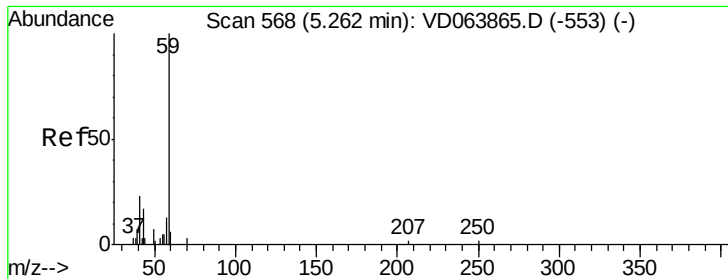
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

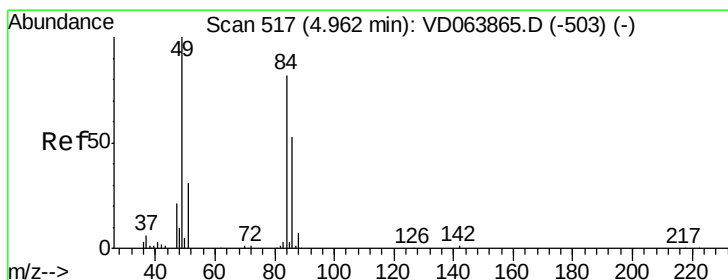
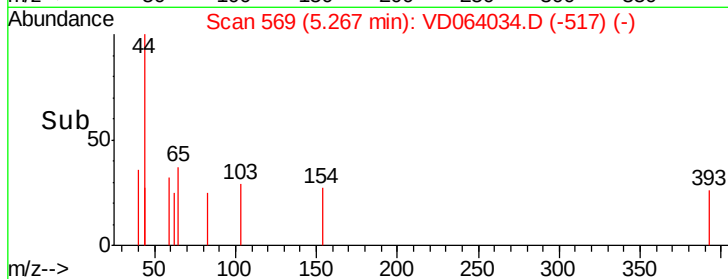
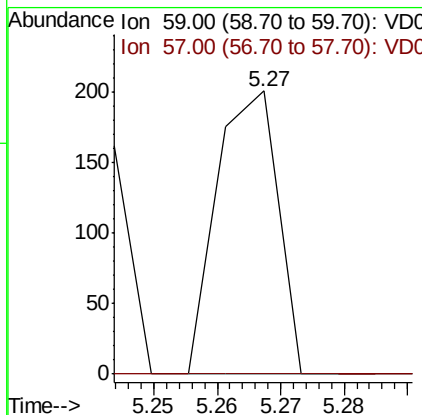
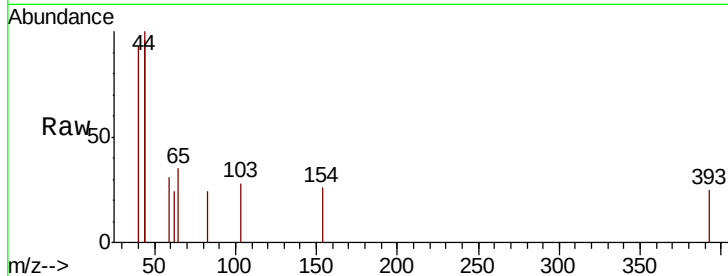




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.27 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

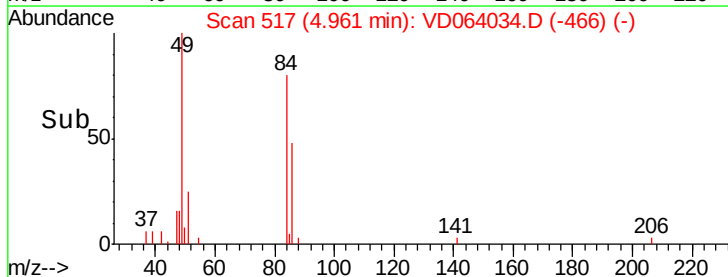
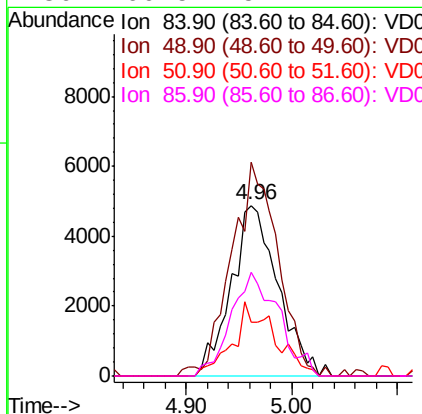
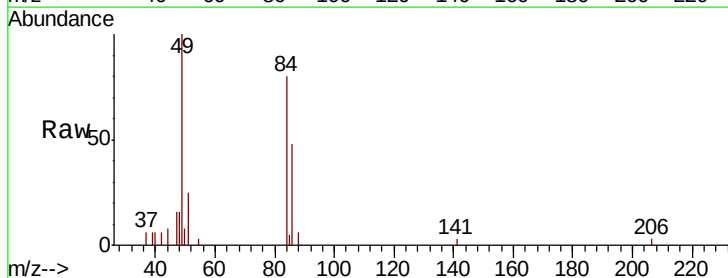
Instrument :
MSVOA_D
ClientSampleId :

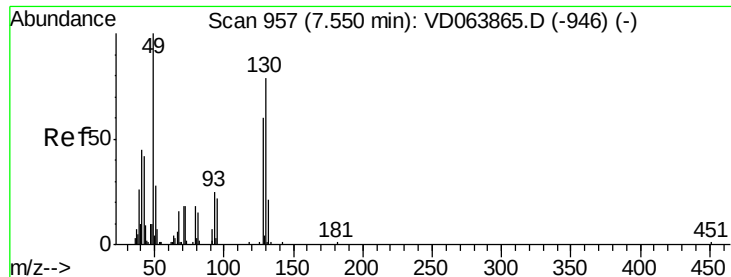
Tot Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#20
Methylene Chloride
Concen: 7.602 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

Tgt Ion: 84 Resp: 15008
Ion Ratio Lower Upper
84 100
49 125.3 97.3 145.9
51 31.7 30.1 45.1
86 60.5 51.4 77.2





#28

Bromochloromethane

Concen: 1.933 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.02 min

Lab File: VD064034.D

Acq: 23 Oct 2019 21:30

Instrument :

MSVOA_D

ClientSampleId :

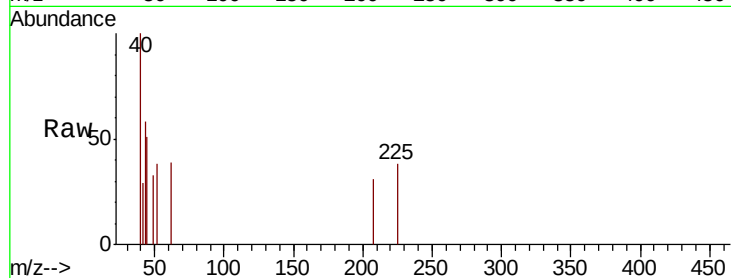
Tot Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

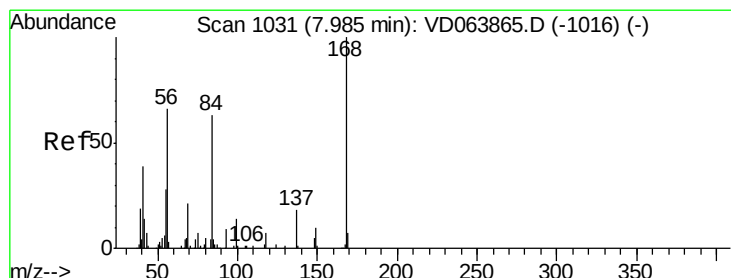
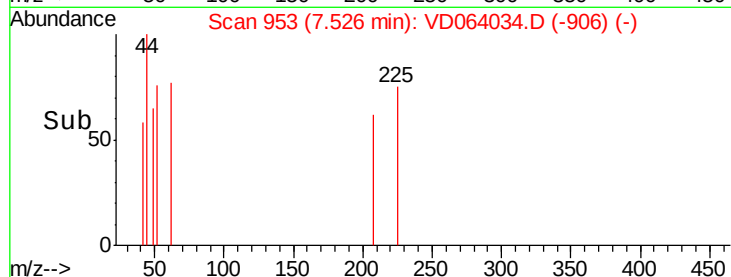
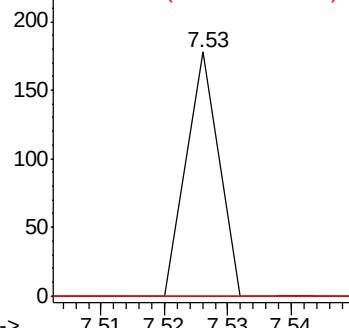
130 0.0 66.8 100.2#



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



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064034.D

Acq: 23 Oct 2019 21:30

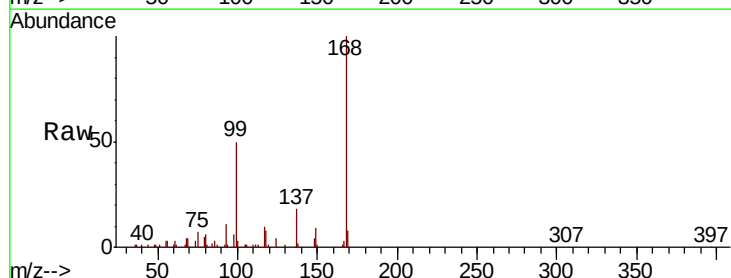
Tgt Ion: 56 Resp: 3767

Ion Ratio Lower Upper

56 100

69 125.2 25.0 37.4#

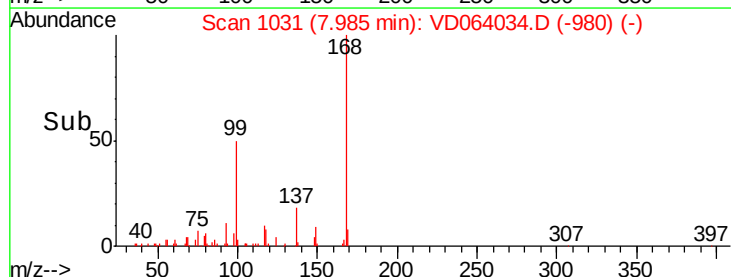
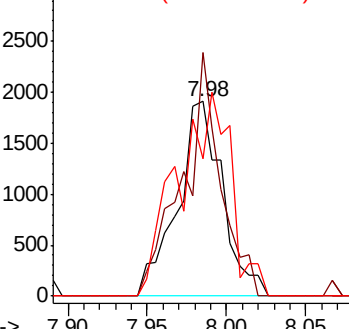
84 70.6 76.3 114.5#

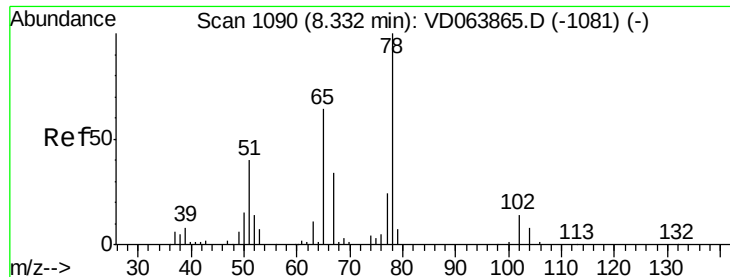


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

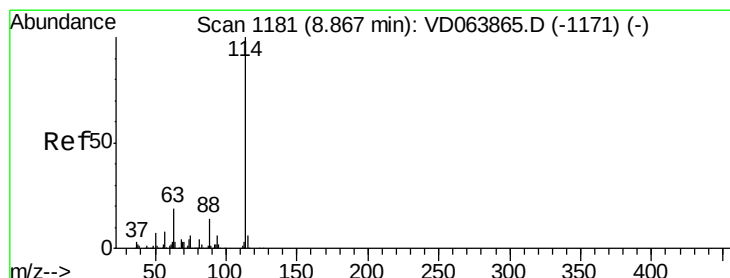
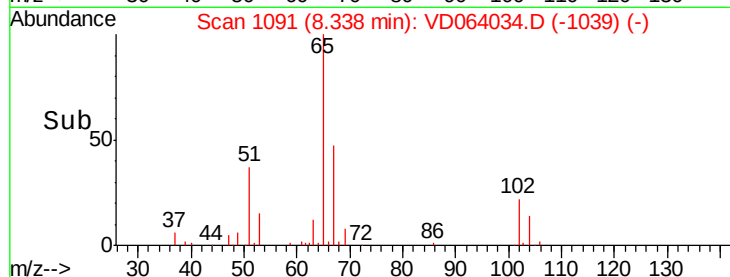
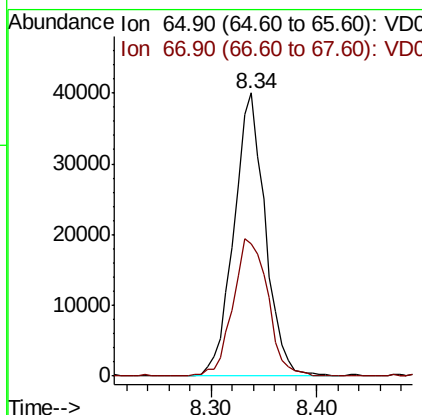
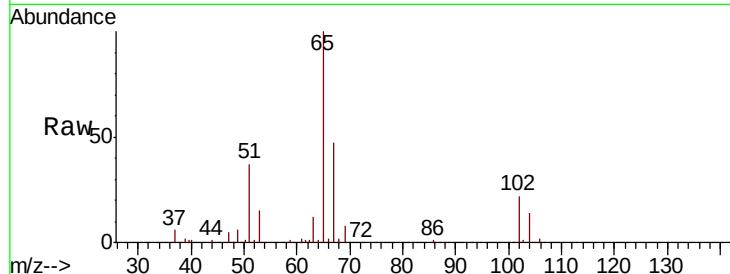




#33
 1,2-Dichloroethane-d4
 Concen: 64.019 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064034.D
 Acq: 23 Oct 2019 21:30

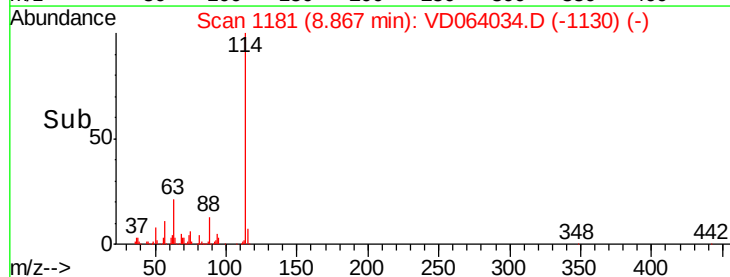
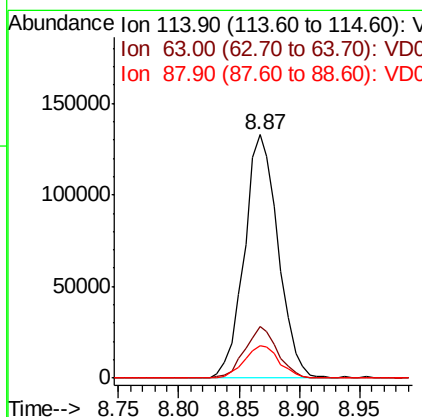
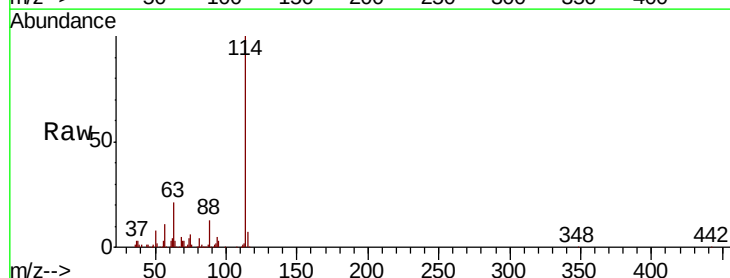
Instrument :
 MSVOA_D
 ClientSampleId :

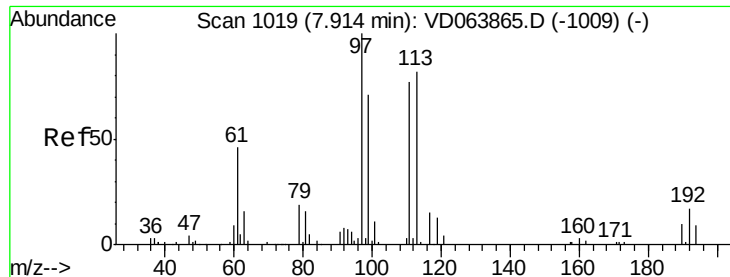
Tot Ion: 65 Resp: 81909
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064034.D
 Acq: 23 Oct 2019 21:30

Tgt Ion: 114 Resp: 259123
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.4
 88 13.4 0.0 27.4

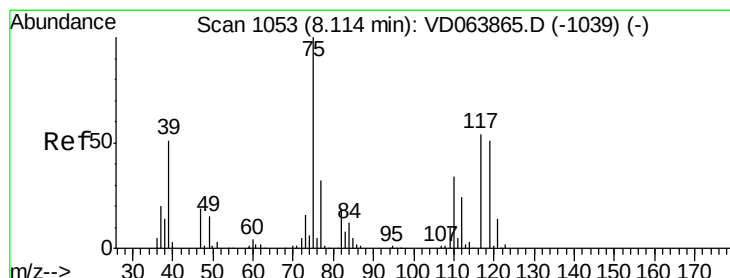
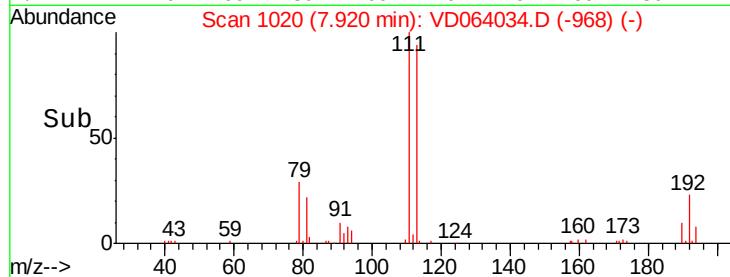
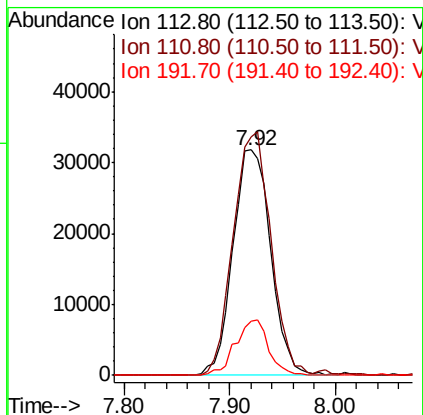
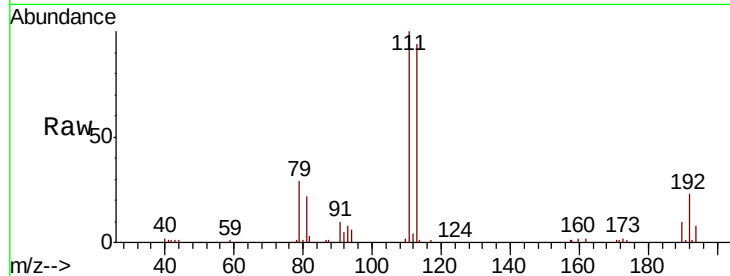




#35
 Dibromofluoromethane
 Concen: 49.838 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064034.D
 Acq: 23 Oct 2019 21:30

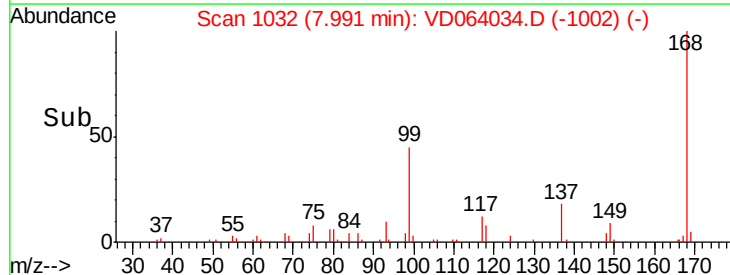
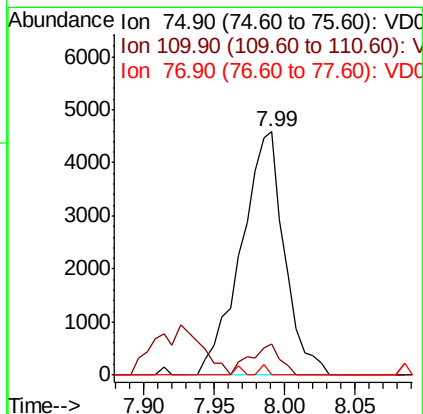
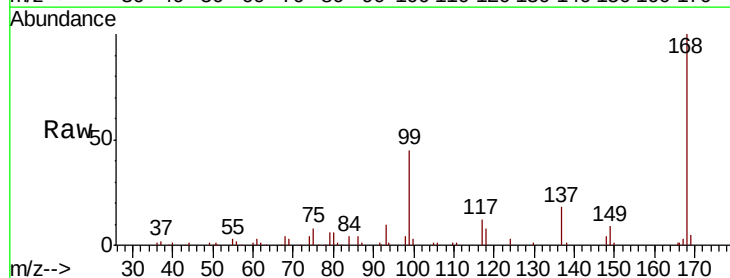
Instrument :
 MSVOA_D
 ClientSampleId :

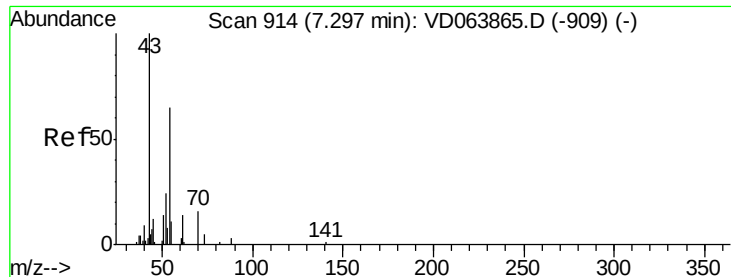
Tot Ion:113 Resp: 78923
 Ion Ratio Lower Upper
 113 100
 111 107.4 82.6 123.8
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.161 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD064034.D
 Acq: 23 Oct 2019 21:30

Tgt Ion: 75 Resp: 9858
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.4 52.3#
 77 0.7 25.4 38.0#

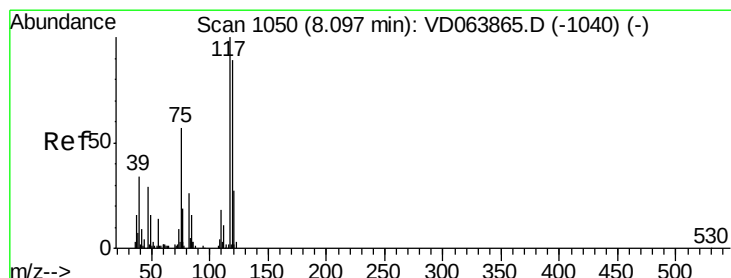
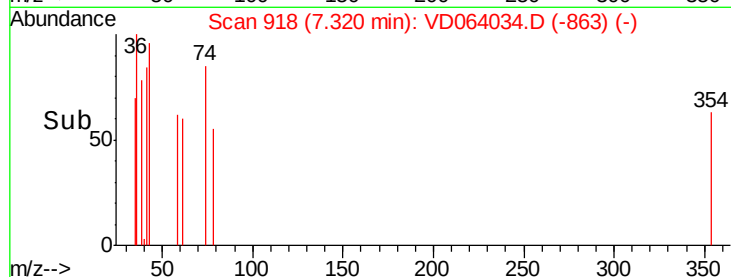
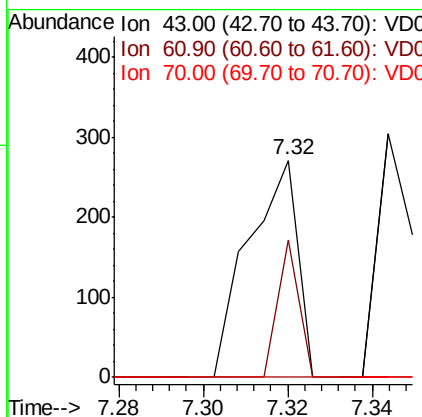
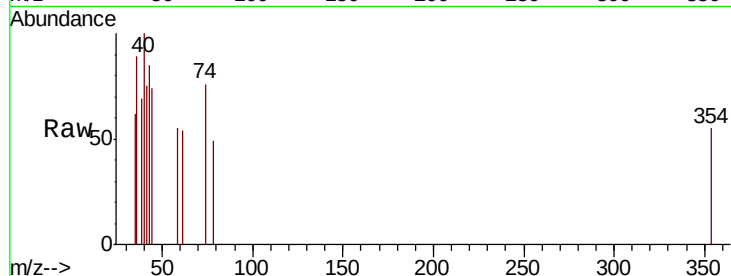




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.32 min Scan# 918
Delta R.T. 0.02 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

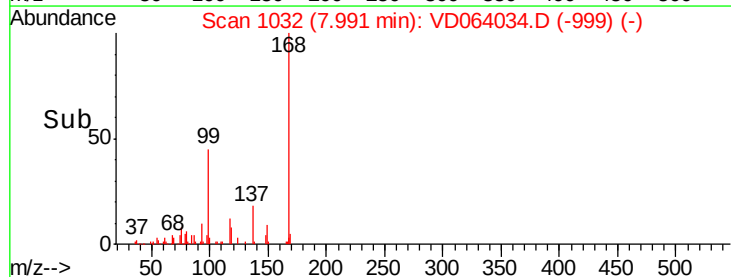
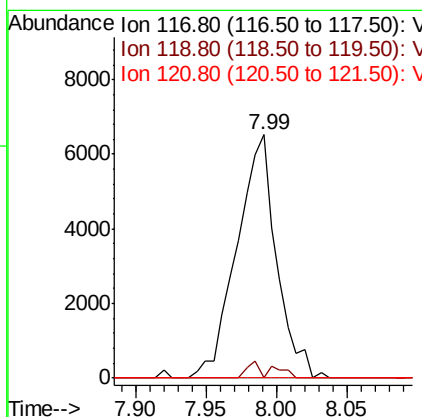
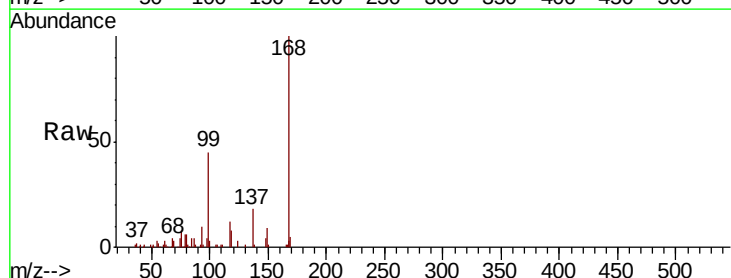
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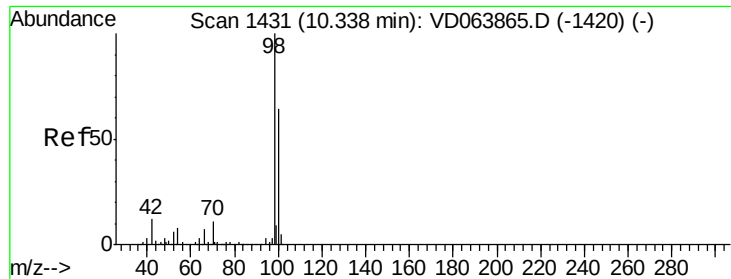
Tot Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
61 27.3 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

Tgt Ion: 117 Resp: 12848
Ion Ratio Lower Upper
117 100
119 0.0 70.8 106.2#
121 0.0 21.4 32.0#

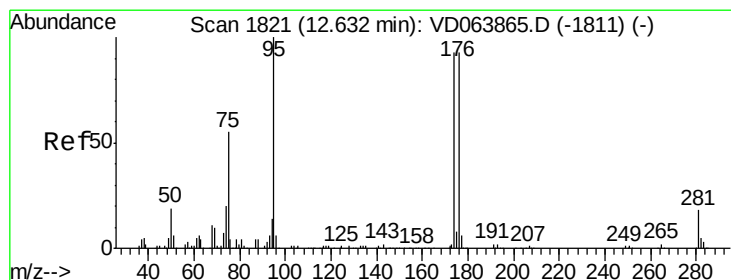
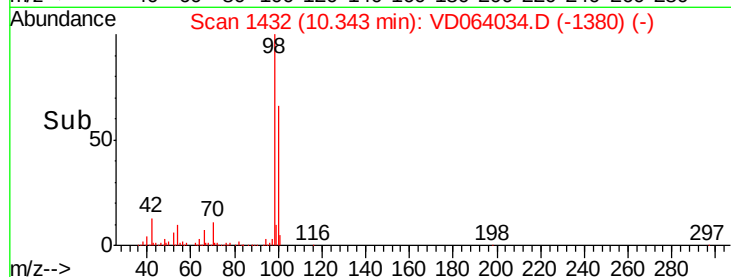
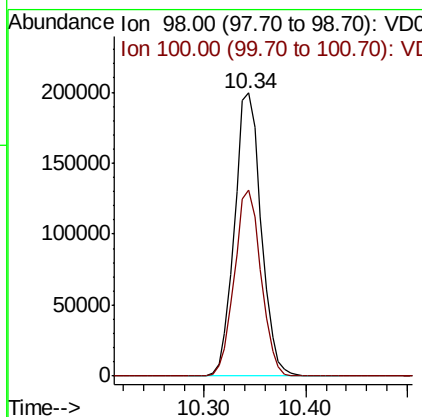
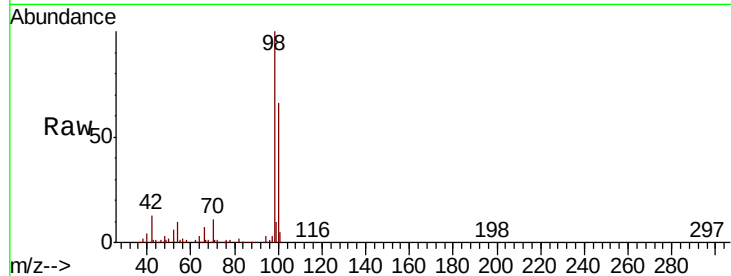




#50
Toluene-d8
Concen: 56.759 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

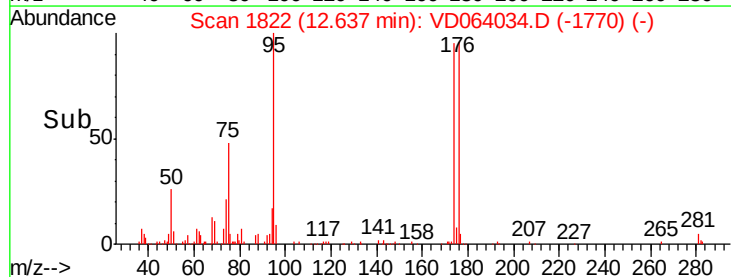
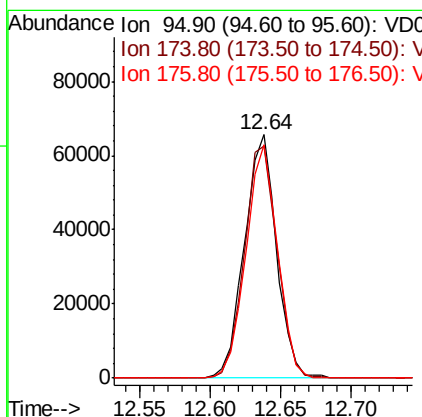
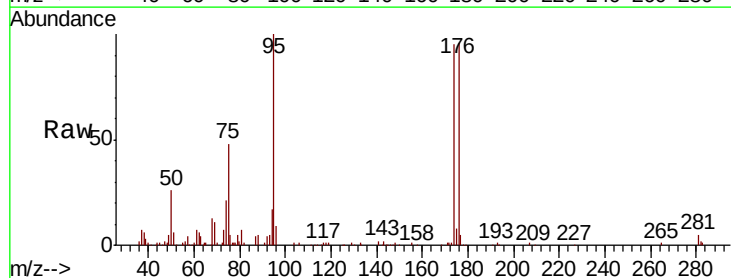
Instrument :
MSVOA_D
ClientSampleId :

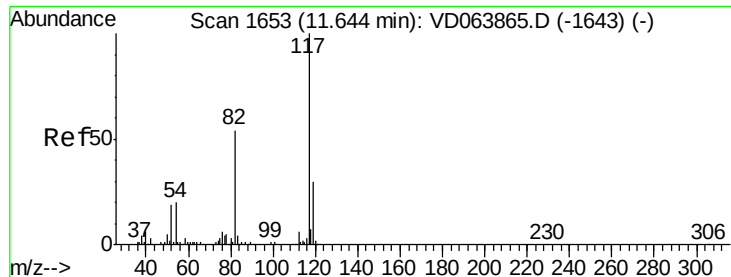
Tot Ion: 98 Resp: 364816
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.782 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

Tgt Ion: 95 Resp: 104490
Ion Ratio Lower Upper
95 100
174 97.9 0.0 186.4
176 94.6 0.0 184.2

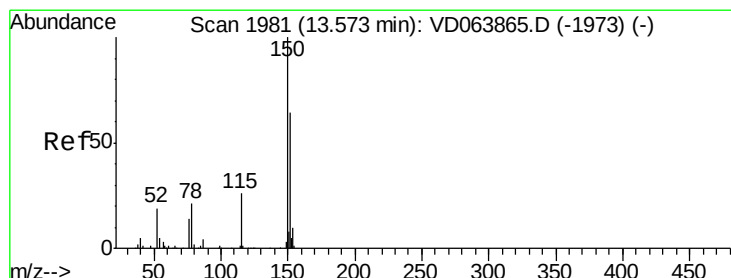
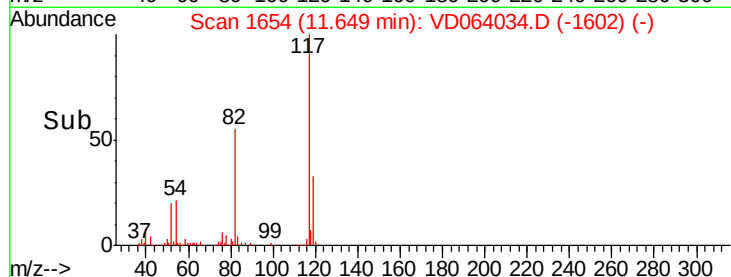
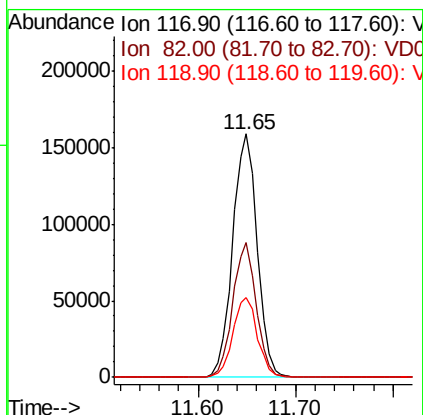
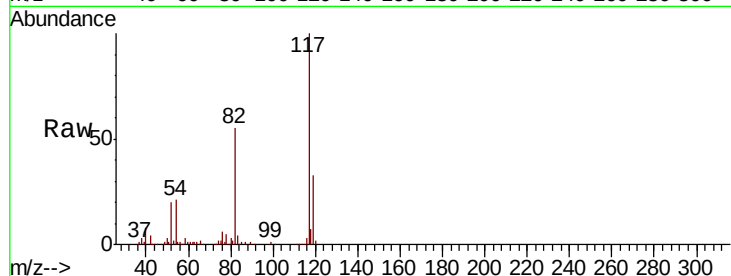




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

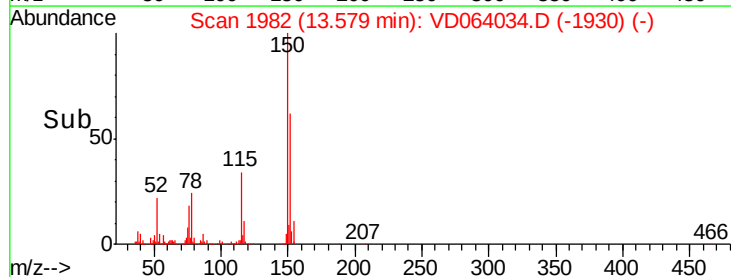
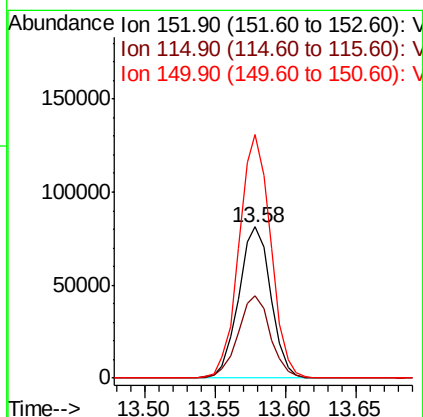
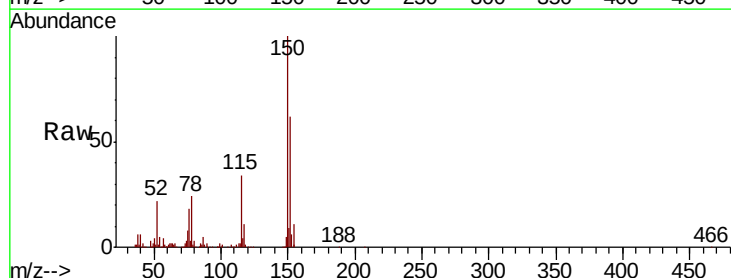
Instrument :
MSVOA_D
ClientSampleId :

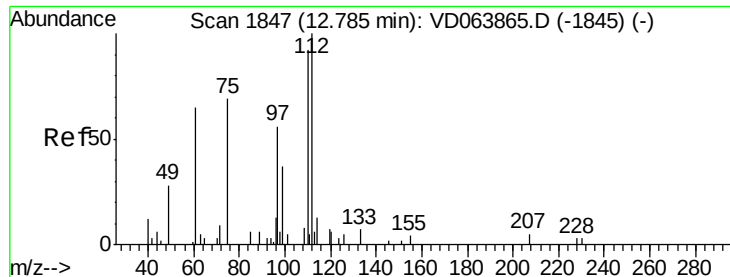
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.8	64.2
119	32.7	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064034.D
Acq: 23 Oct 2019 21:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	25.9	77.7
150	158.3	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 63.902 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064034.D

Acq: 23 Oct 2019 21:30

Instrument :

MSVOA_D

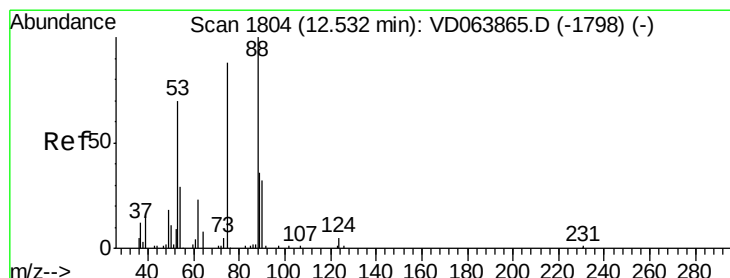
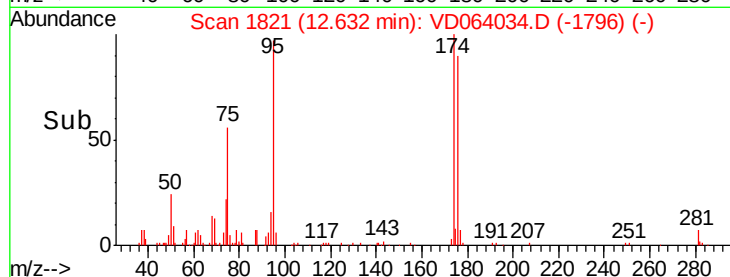
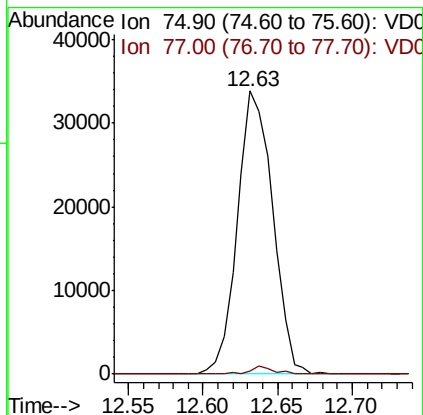
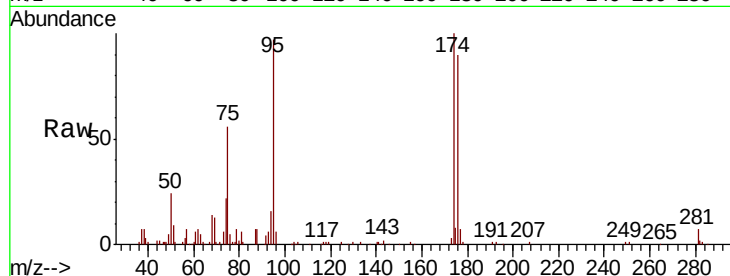
ClientSampleId :

Tot Ion: 75 Resp: 55457

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.080 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064034.D

Acq: 23 Oct 2019 21:30

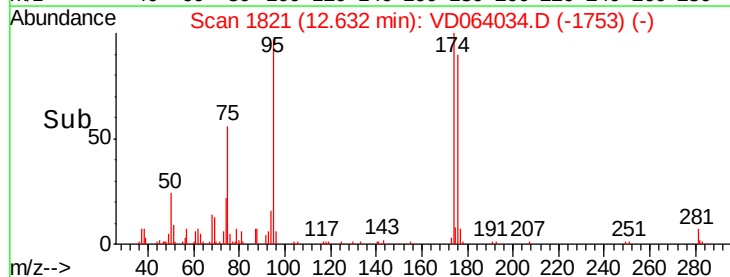
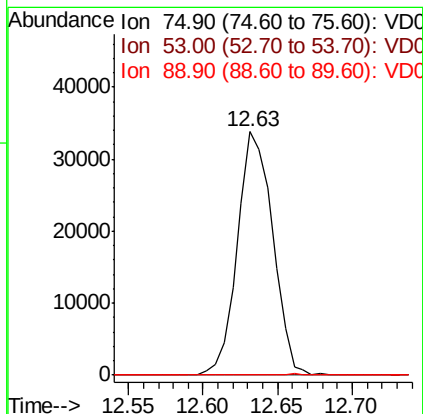
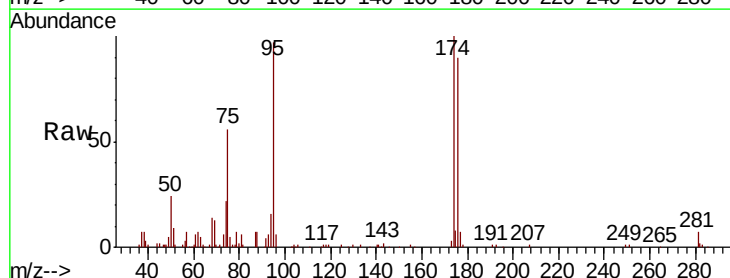
Tgt Ion: 75 Resp: 55457

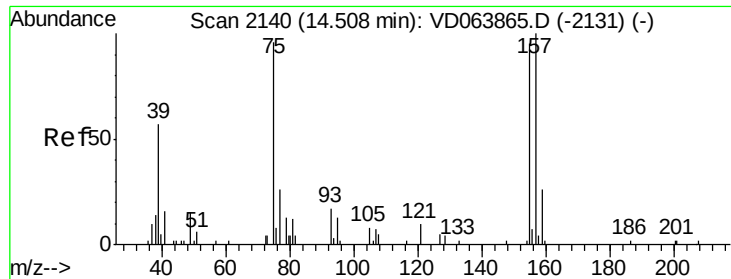
Ion Ratio Lower Upper

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: 14.61 min Scan# 2158

Delta R.T. 0.11 min

Lab File: VD064034.D

Acq: 23 Oct 2019 21:30

Instrument :

MSVOA_D

ClientSampleId :

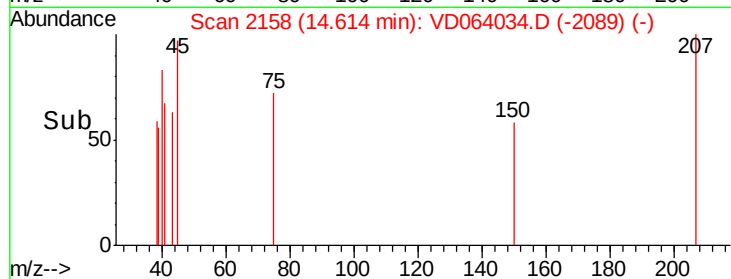
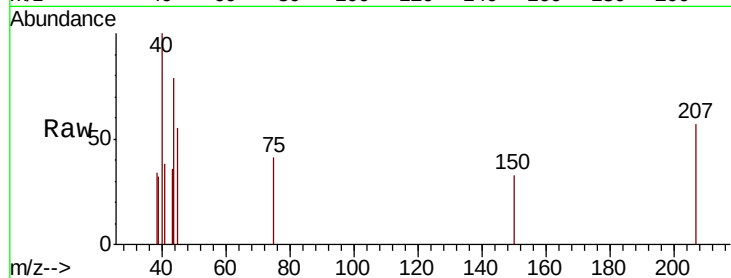
Tot Ion: 75 Resp: 80

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

