

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064067.D
 Acq On : 25 Oct 2019 16:05
 Operator : VA/SY
 Sample : K5541-02
 Misc : 7.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:05:23 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	7.99	168	154144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	281226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129455	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	78726	52.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.92%	
35) Dibromofluoromethane	7.92	113	84195	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	
50) Toluene-d8	10.34	98	363406	54.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.64	95	105386	45.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.14%	

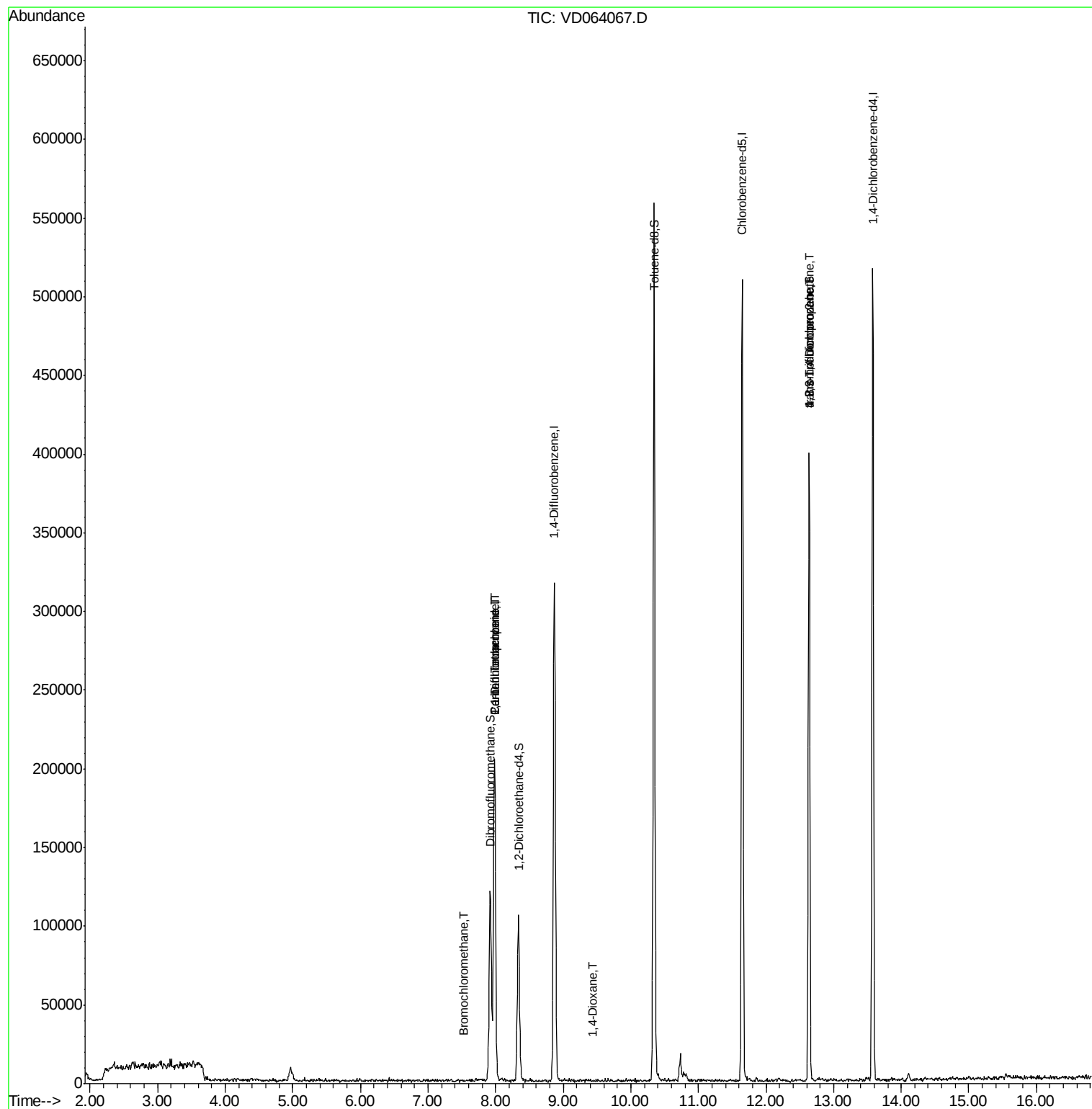
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	627	Below Cal	#	40
11) Tert butyl alcohol	5.42	59	65	Below Cal	#	71
20) Methylene Chloride	4.96	84	5158	Below Cal	#	75
28) Bromochloromethane	7.53	49	64	1.924	ug/l #	10
31) Cyclohexane	7.97	56	4313	Below Cal	#	39
36) 1,1-Dichloropropene	7.99	75	11881	4.790	ug/l #	51
37) Ethyl Acetate	7.30	43	137	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	14271	5.694	ug/l #	20
49) 1,4-Dioxane	9.43	88	83	6.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	59460	68.577	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	59460	121.354	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.46	75	160	Below Cal	#	1

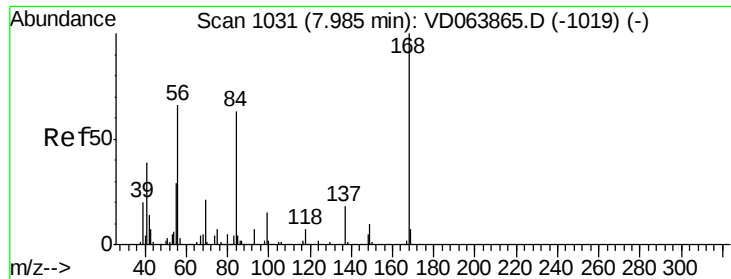
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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Quant Time: Oct 26 00:05:23 2019
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: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

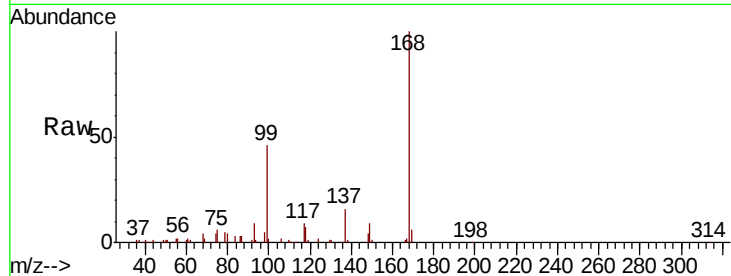
ClientSampleId :

Tot Ion:168 Resp: 154144

Ion Ratio Lower Upper

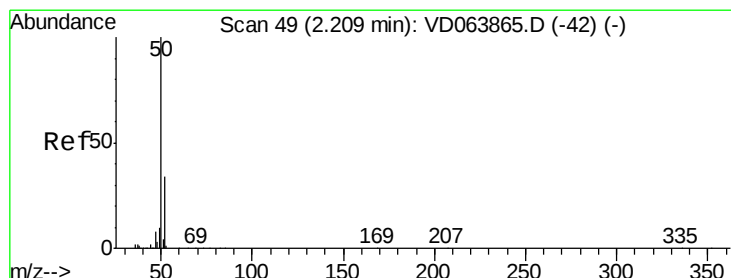
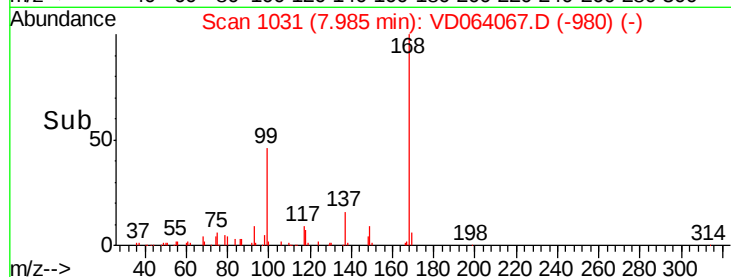
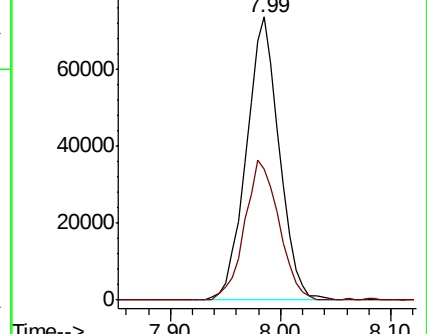
168 100

99 46.3 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: 2.22 min Scan# 51

Delta R.T. 0.01 min

Lab File: VD064067.D

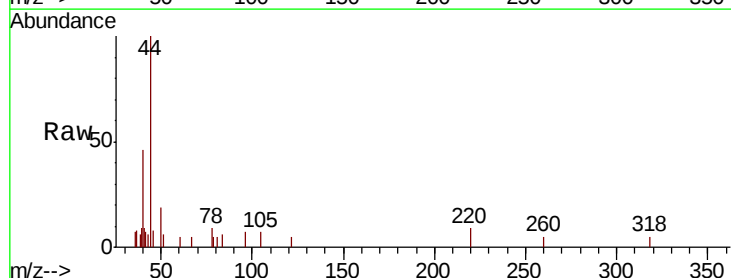
Acq: 25 Oct 2019 16:05

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

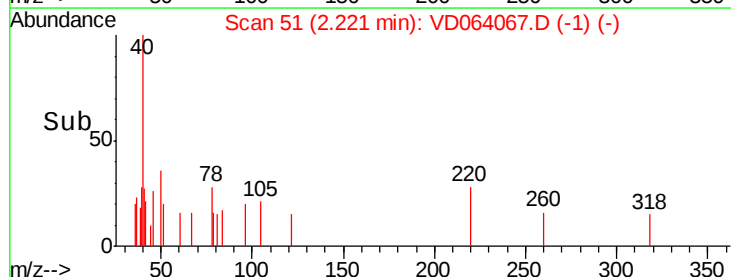
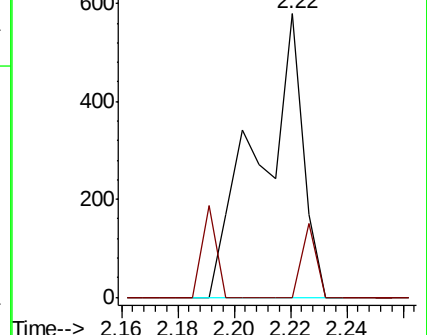
50 100

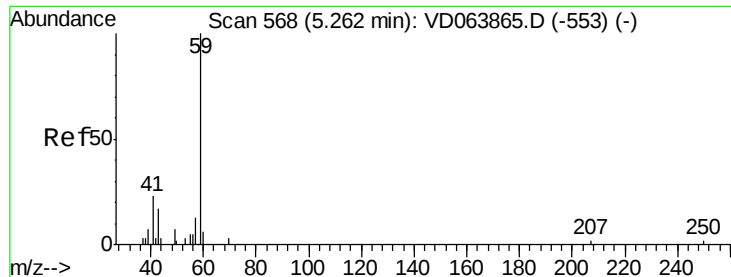
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



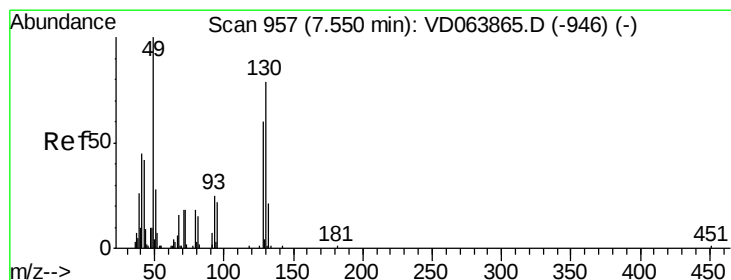
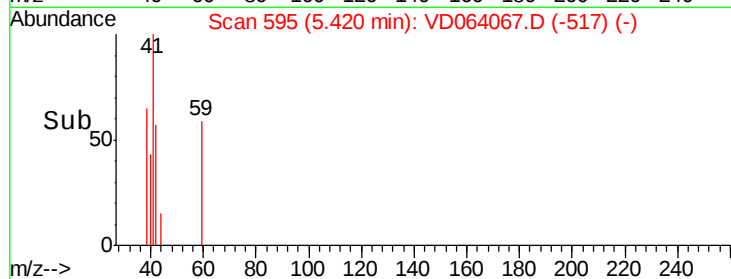
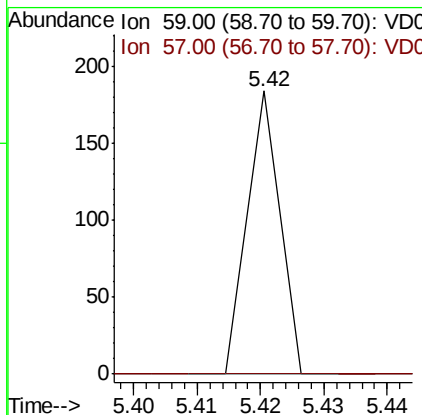
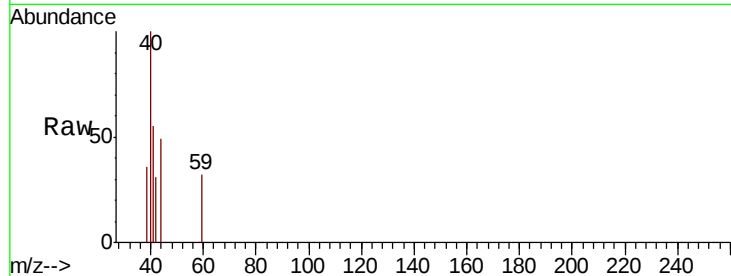


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.42 min Scan# 595
 Delta R.T. 0.16 min
 Lab File: VD064067.D
 Acq: 25 Oct 2019 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

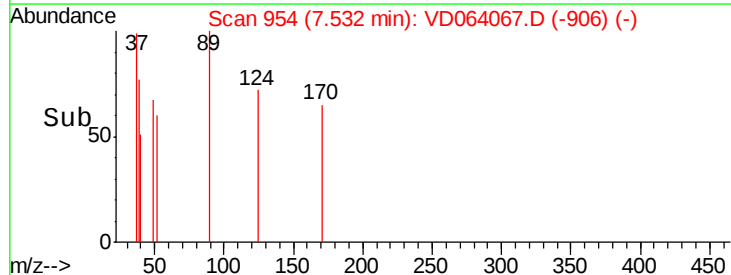
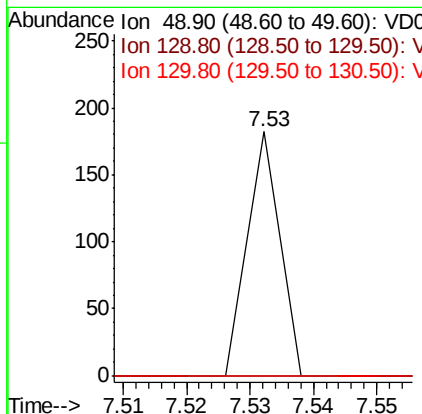
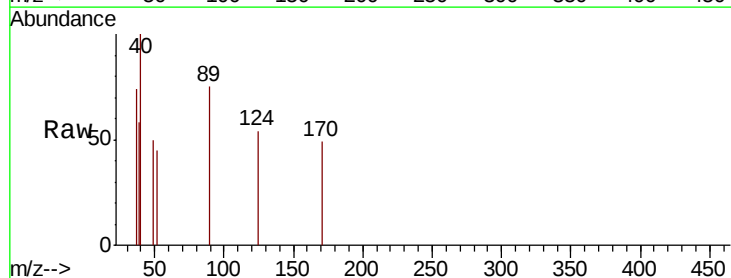
Tot Ion: 59 Resp: 65
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

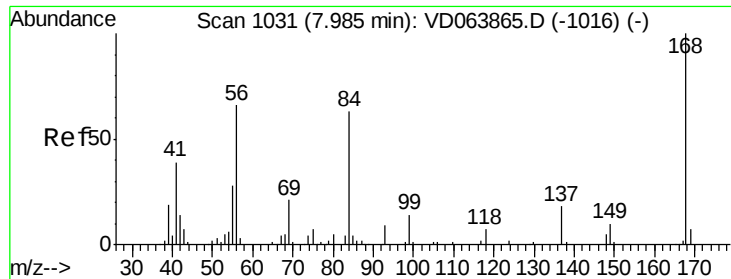


#28

Bromochloromethane
 Concen: 1.924 ug/l
 RT: 7.53 min Scan# 954
 Delta R.T. -0.02 min
 Lab File: VD064067.D
 Acq: 25 Oct 2019 16:05

Tgt Ion: 49 Resp: 64
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 66.8 100.2#

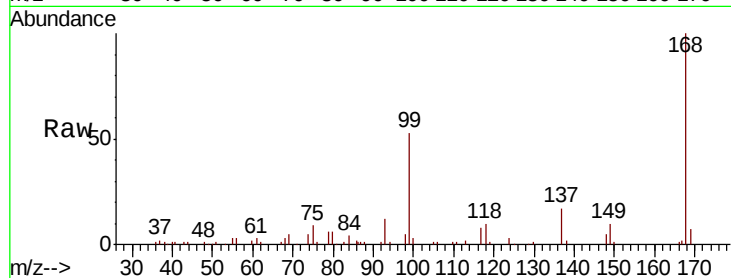




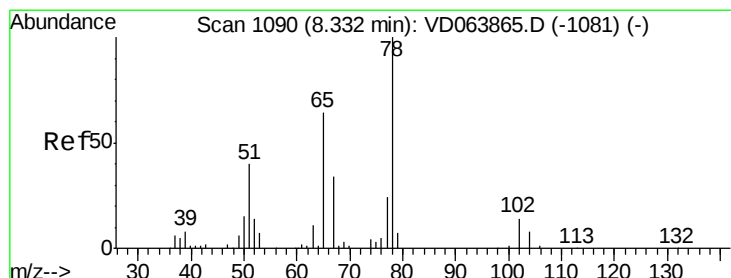
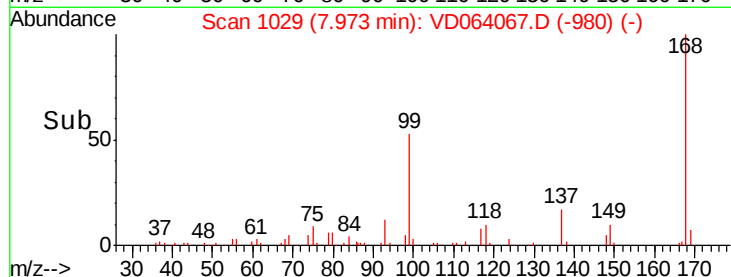
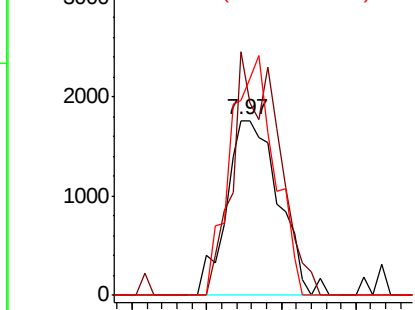
#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064067.D
Acq: 25 Oct 2019 16:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4313
Ion Ratio Lower Upper
56 100
69 139.1 25.0 37.4#
84 111.4 76.3 114.5

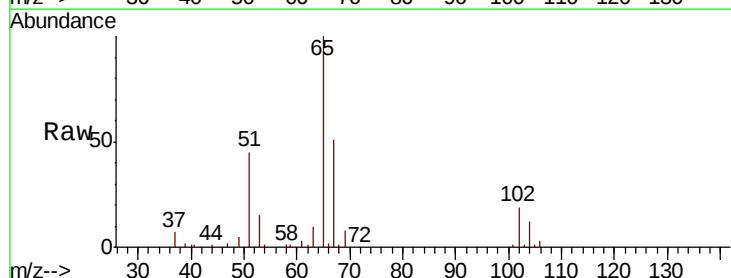


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

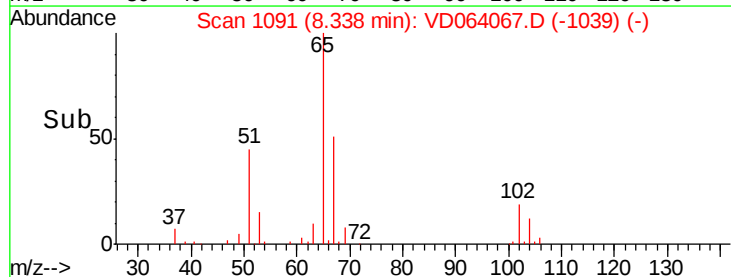
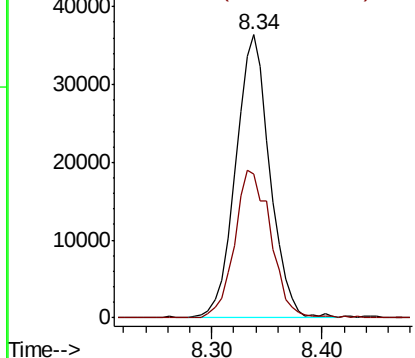


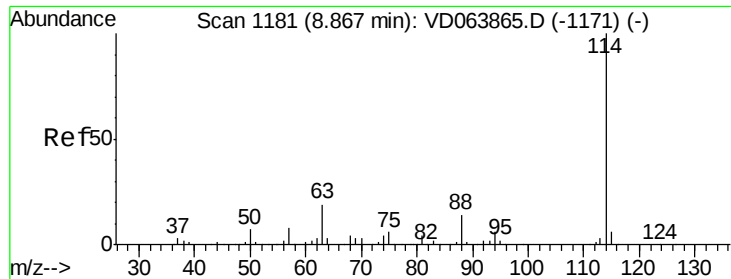
#33
1,2-Dichloroethane-d4
Concen: 52.459 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064067.D
Acq: 25 Oct 2019 16:05

Tgt Ion: 65 Resp: 78726
Ion Ratio Lower Upper
65 100
67 54.9 0.0 106.4



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

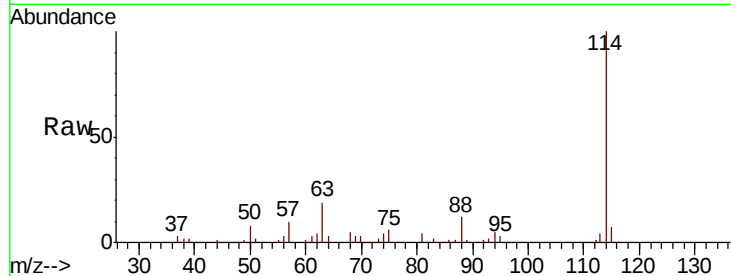




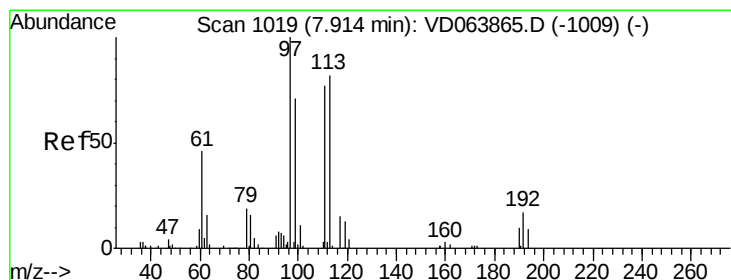
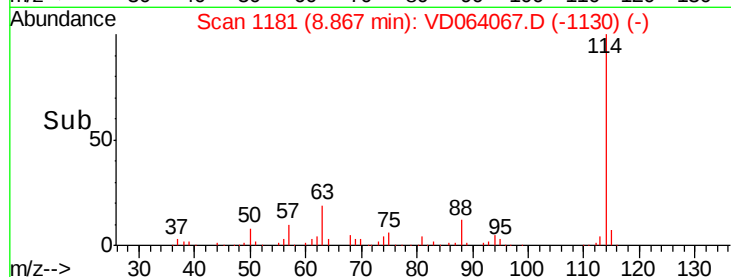
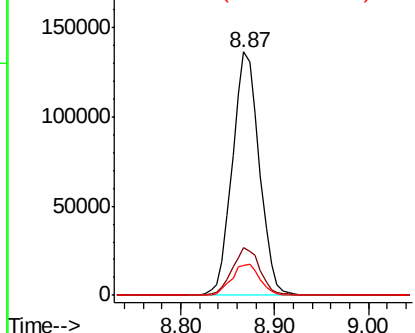
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064067.D
 Acq: 25 Oct 2019 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 271259
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.4
 88 12.2 0.0 27.4

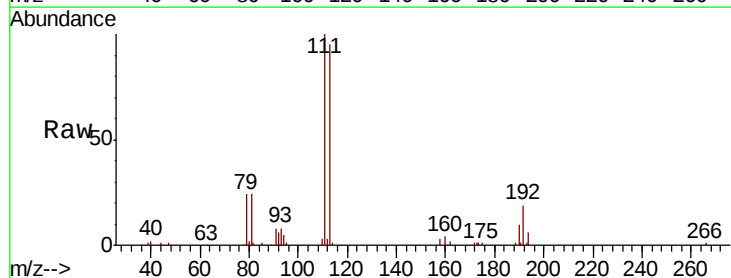


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

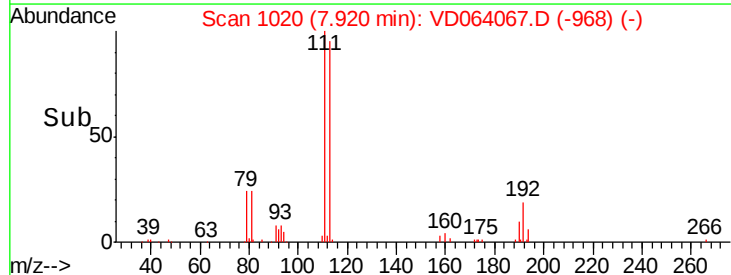
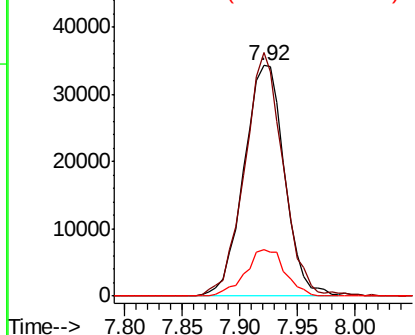


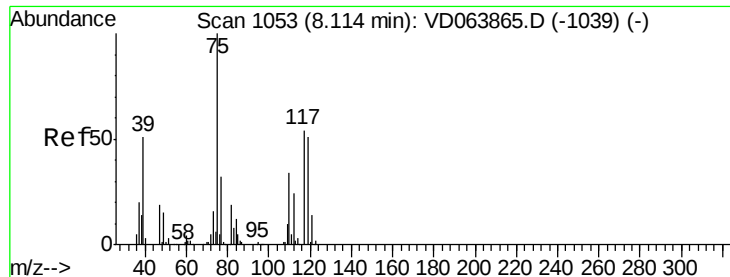
#35
 Dibromofluoromethane
 Concen: 50.789 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064067.D
 Acq: 25 Oct 2019 16:05

Tgt Ion:113 Resp: 84195
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.6 123.8
 192 19.7 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: 4.790 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

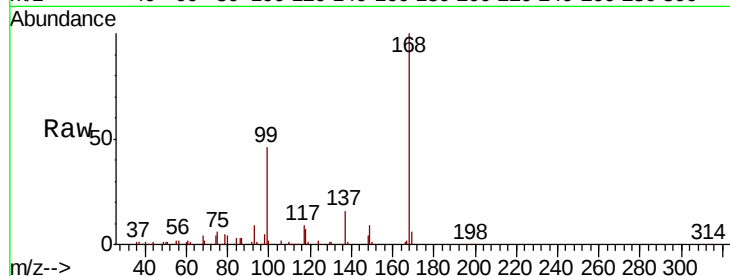
Tot Ion: 75 Resp: 11881

Ion Ratio Lower Upper

75 100

110 11.1 17.4 52.3#

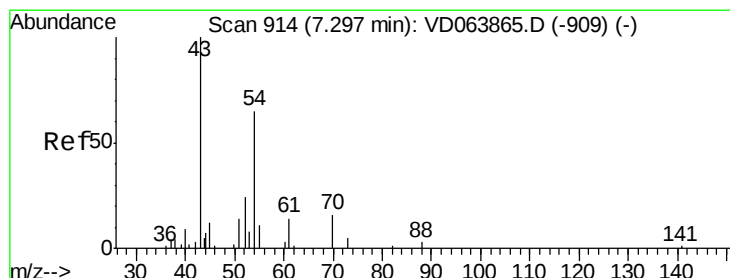
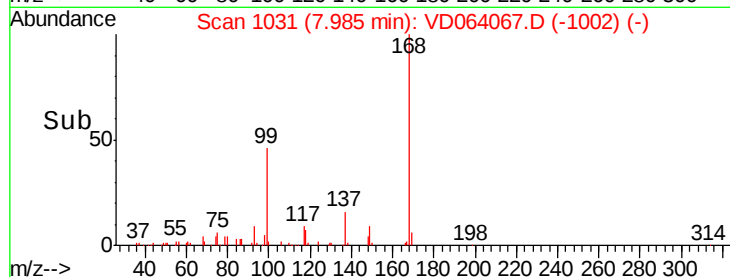
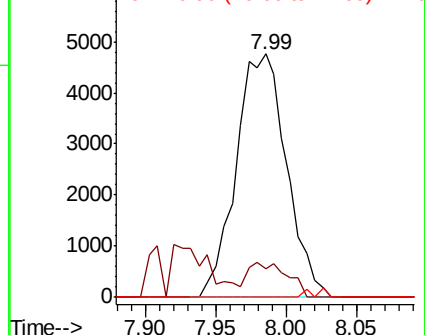
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

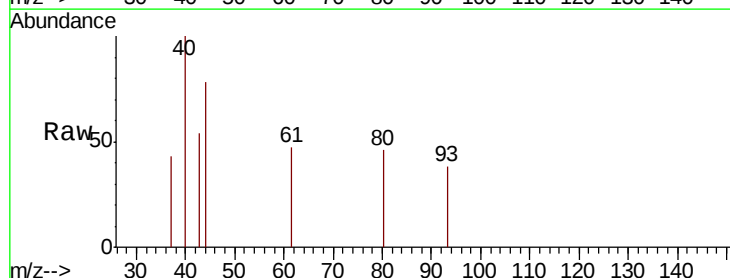
Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

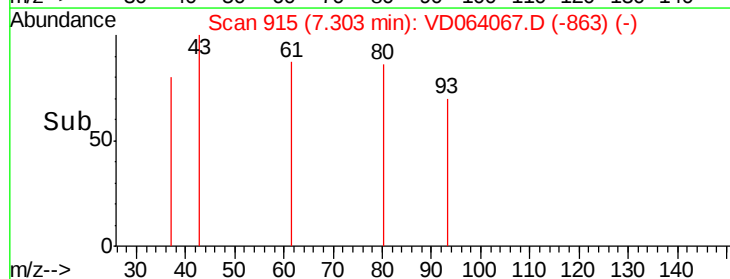
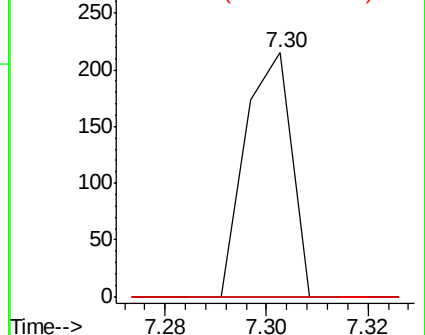
70 0.0 8.2 12.4#

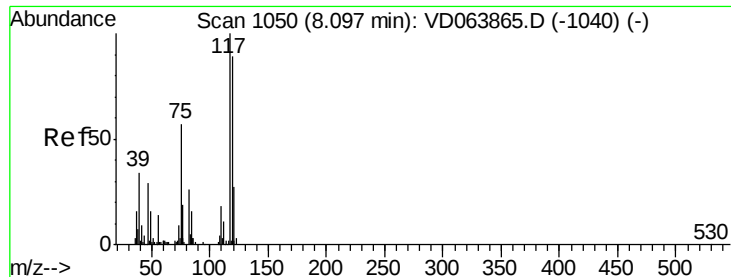


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

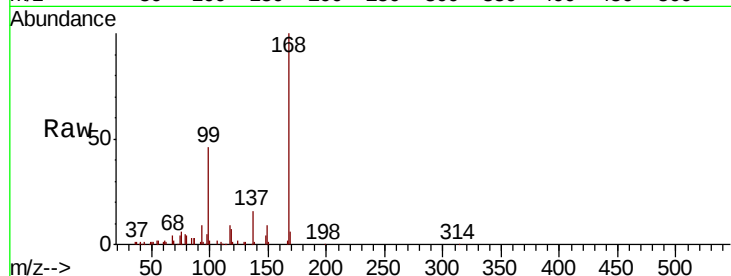
Tot Ion:117 Resp: 14271

Ion Ratio Lower Upper

117 100

119 5.4 70.8 106.2#

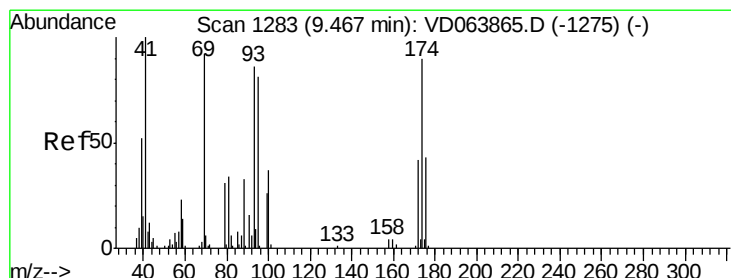
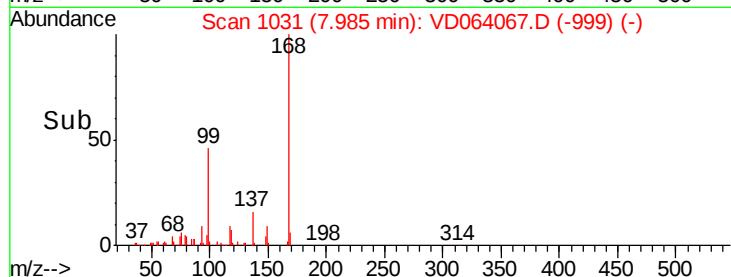
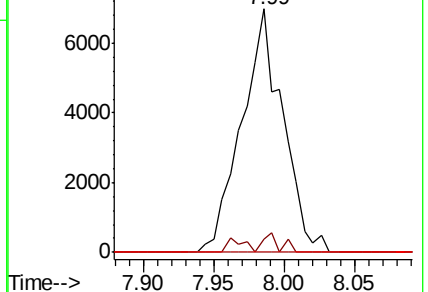
121 0.0 21.4 32.0#



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



#49

1,4-Dioxane

Concen: 6.137 ug/l

RT: 9.43 min Scan# 1277

Delta R.T. -0.04 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

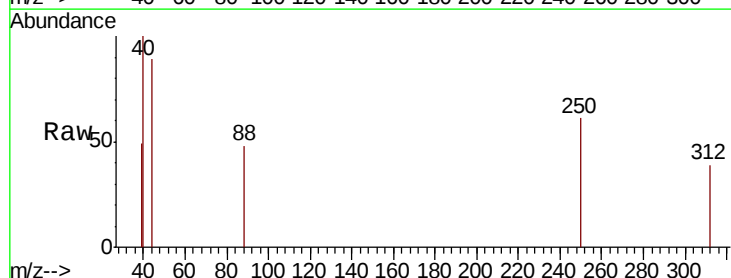
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 172.3 27.6 41.4#

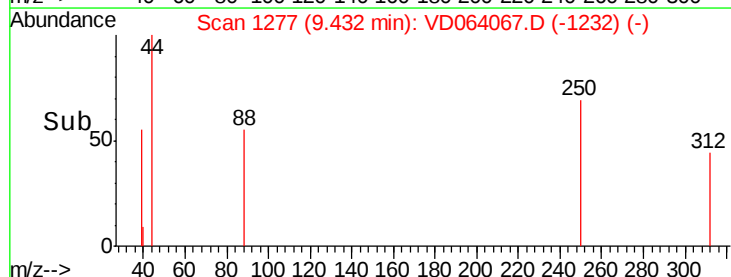
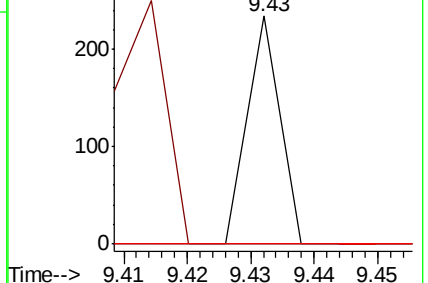
58 0.0 54.1 81.1#

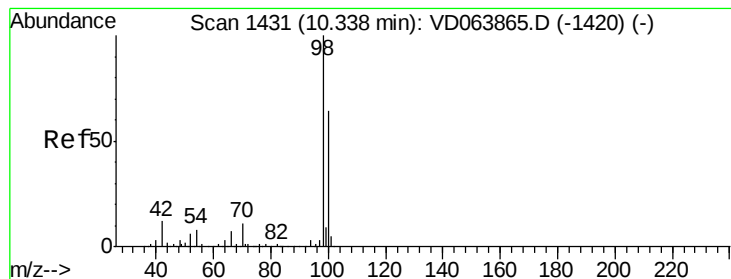


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 54.010 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

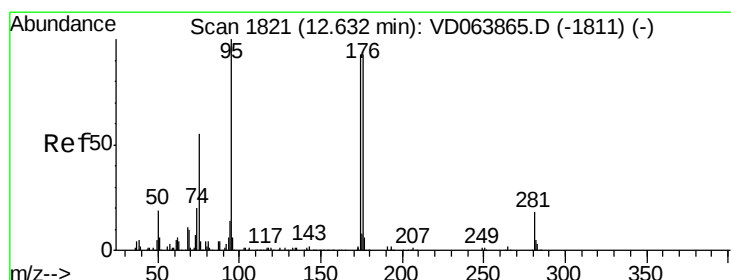
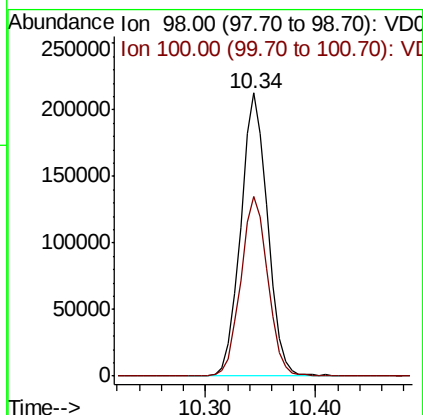
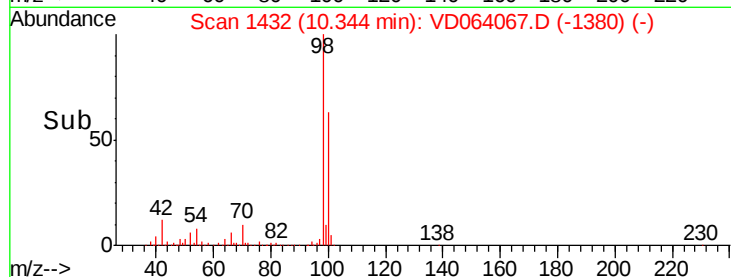
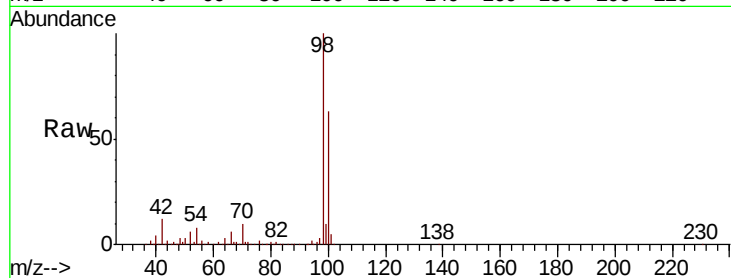
ClientSampleId :

Tot Ion: 98 Resp: 363406

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.072 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

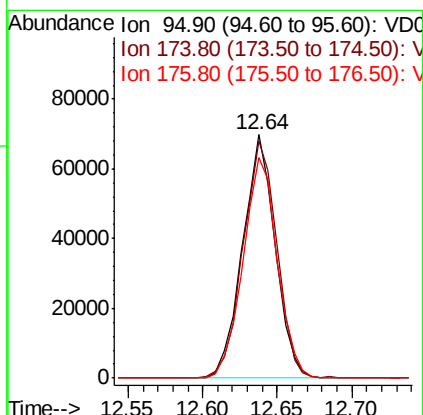
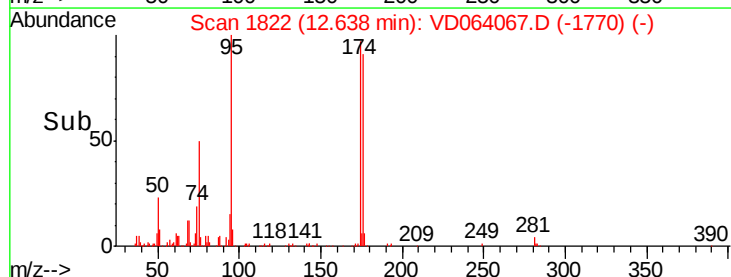
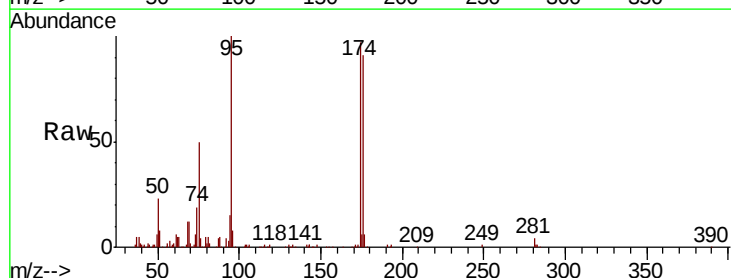
Tgt Ion: 95 Resp: 105386

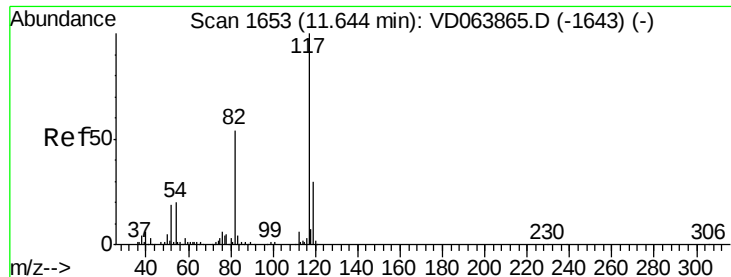
Ion Ratio Lower Upper

95 100

174 101.0 0.0 186.4

176 94.7 0.0 184.2

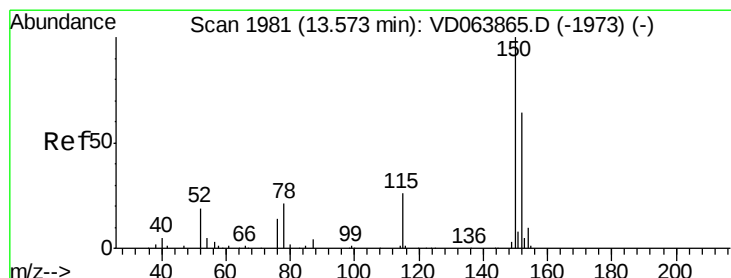
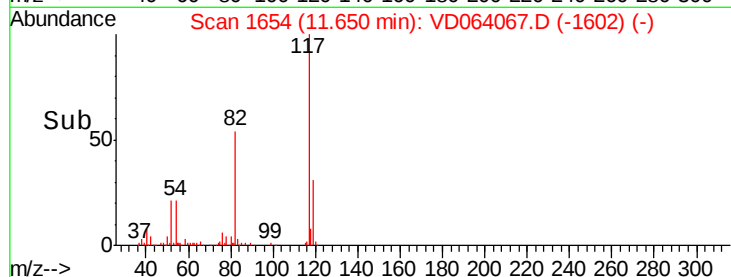
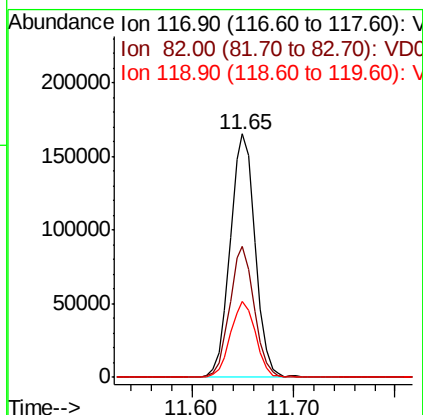
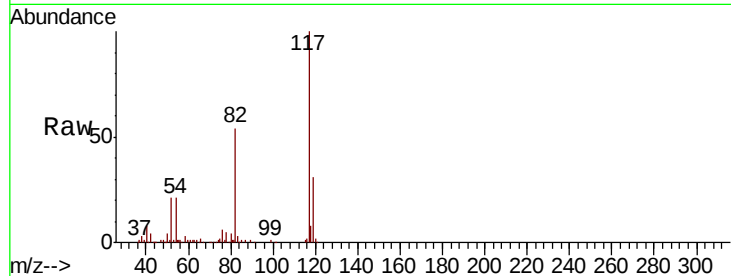




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064067.D
Acq: 25 Oct 2019 16:05

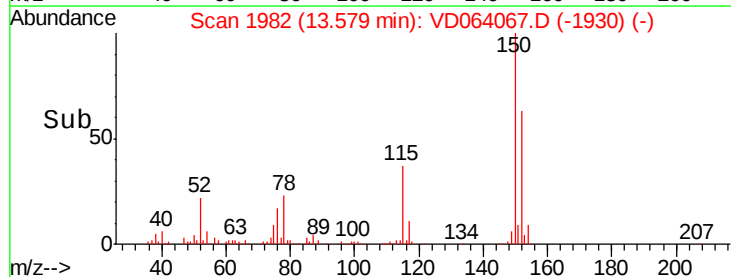
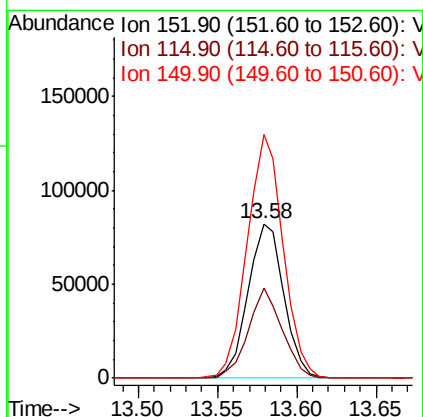
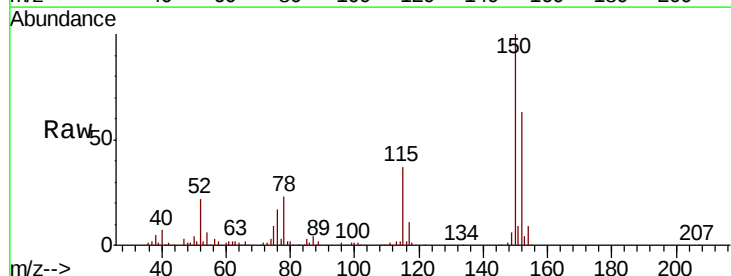
Instrument :
MSVOA_D
ClientSampled :

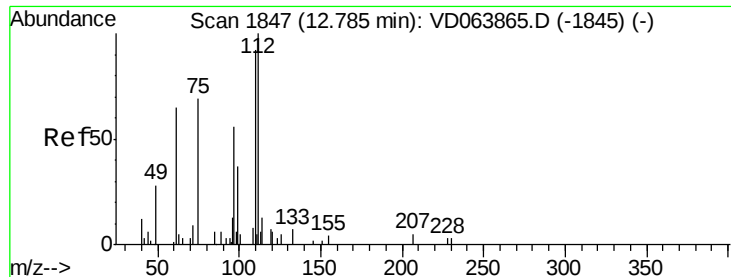
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.8	64.2
119	31.1	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064067.D
Acq: 25 Oct 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	25.9	77.7
150	157.8	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 68.577 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

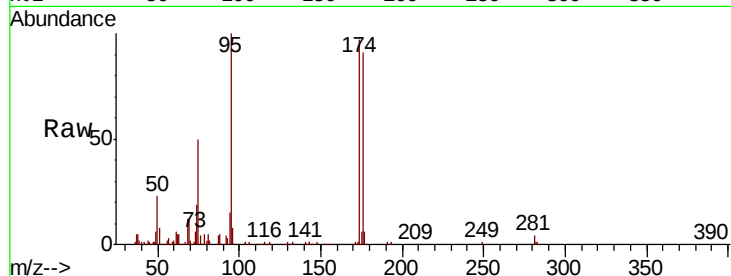
ClientSampleId :

Tot Ion: 75 Resp: 59460

Ion Ratio Lower Upper

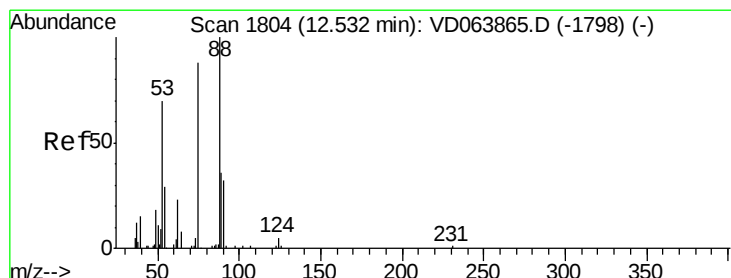
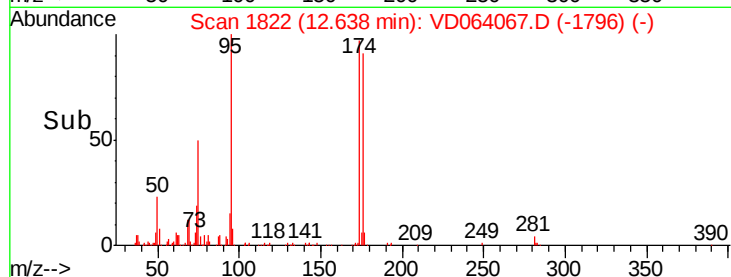
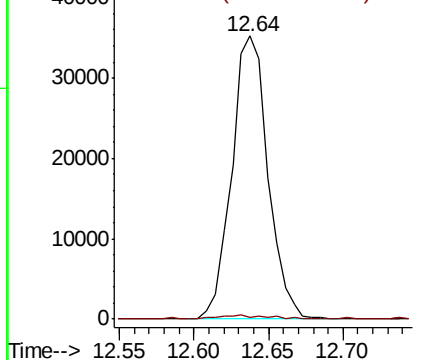
75 100

77 2.0 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: 121.354 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

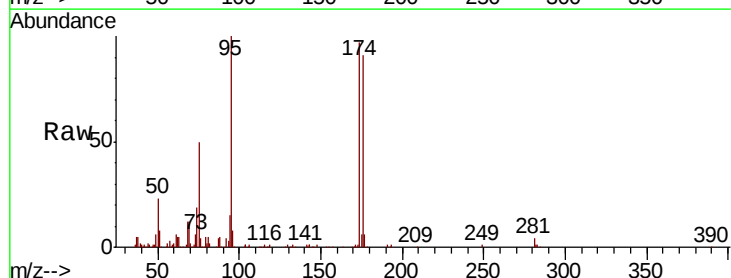
Tgt Ion: 75 Resp: 59460

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

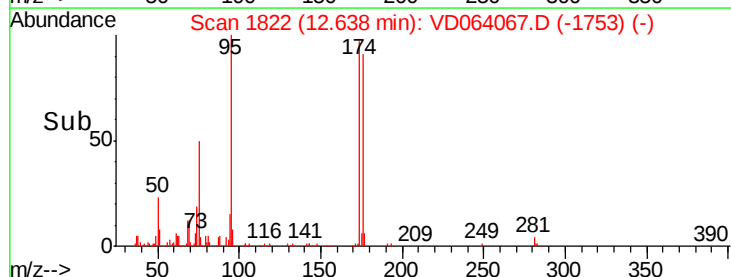
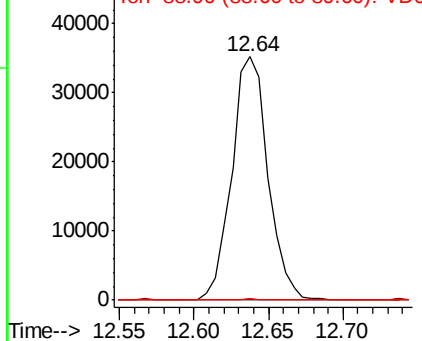
89 0.2 38.2 57.4#

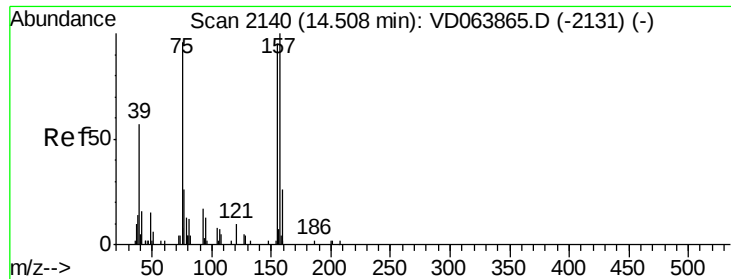


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.46 min Scan# 2131

Delta R.T. -0.05 min

Lab File: VD064067.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

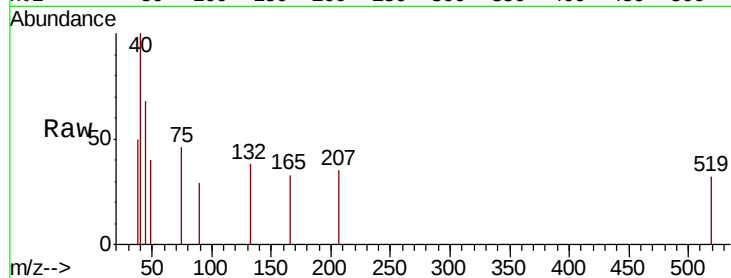
Tot Ion: 75 Resp: 160

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): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

