

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064039.D
 Acq On : 24 Oct 2019 11:29
 Operator : VA/SY
 Sample : VD1024SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:55:59 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	172015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	330375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160702	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	98114	58.59	ug/l	0.00
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	7.92	113	100827	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.34	98	429014	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.64	95	131058	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

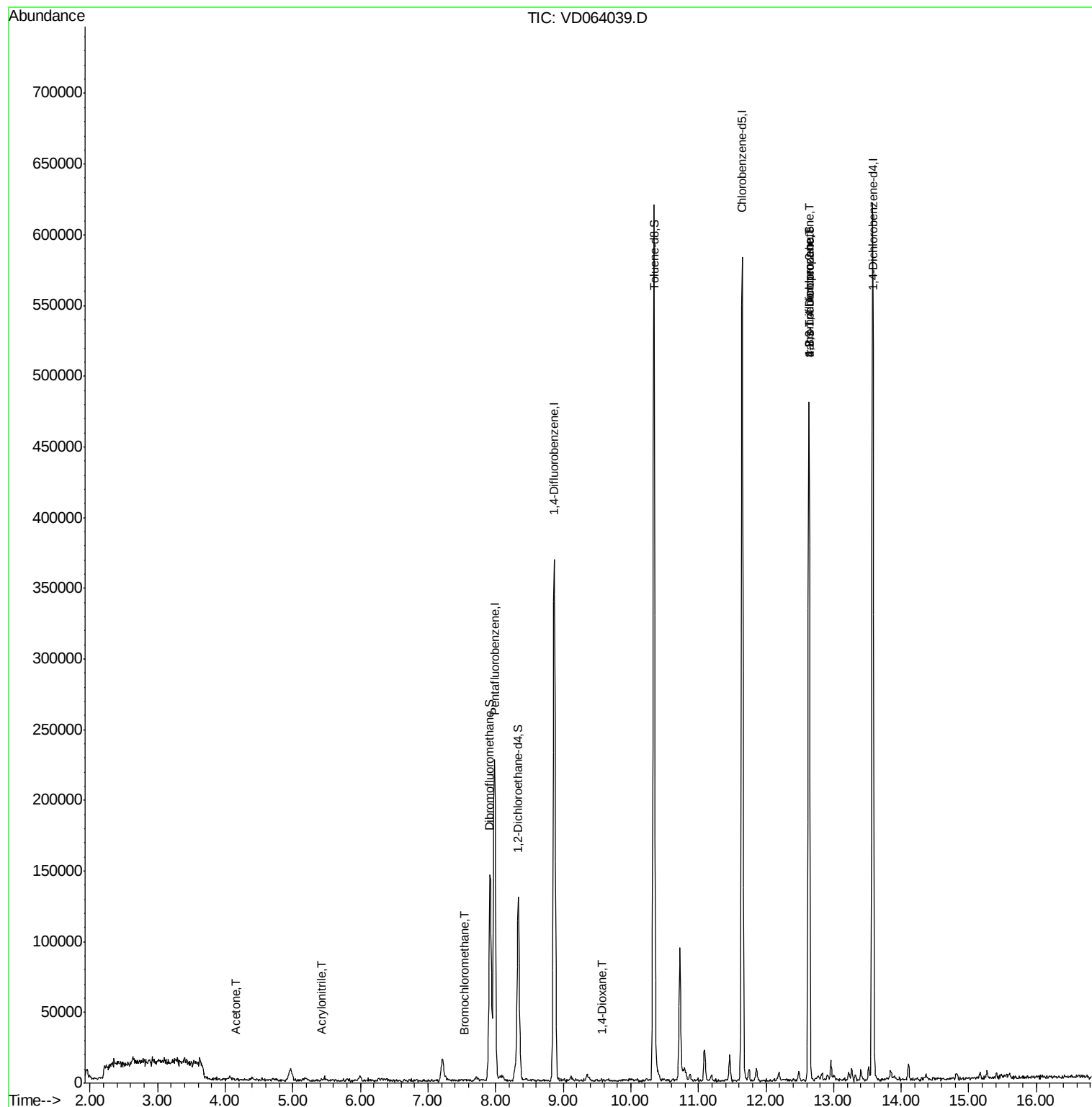
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2407	Below Cal		99
11) Tert butyl alcohol	5.26	59	56	Below Cal	#	71
15) Acrylonitrile	5.43	53	390	1.057	ug/l #	27
16) Acetone	4.16	43	734	1.683	ug/l	99
20) Methylene Chloride	4.96	84	3762	Below Cal		83
28) Bromochloromethane	7.54	49	662	2.420	ug/l #	26
31) Cyclohexane	7.99	56	5275	Below Cal	#	7
37) Ethyl Acetate	7.29	43	71	Below Cal	#	68
49) 1,4-Dioxane	9.57	88	73	4.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	73747	68.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	73747	121.247	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.37	75	72	Below Cal	#	1

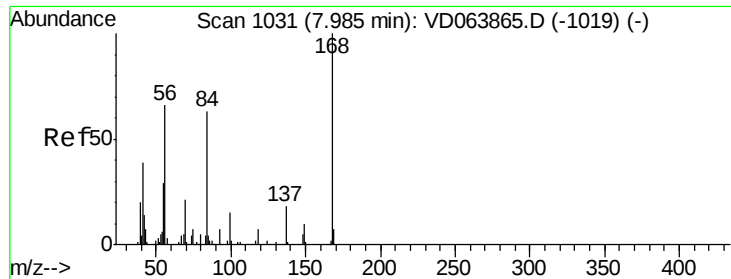
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
Data File : VD064039.D
Acq On : 24 Oct 2019 11:29
Operator : VA/SY
Sample : VD1024SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 25 03:55:59 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: VD064039.D

Acq: 24 Oct 2019 11:29

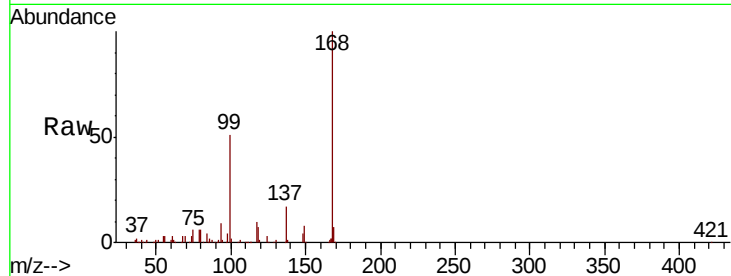
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 172015

Ion Ratio Lower Upper

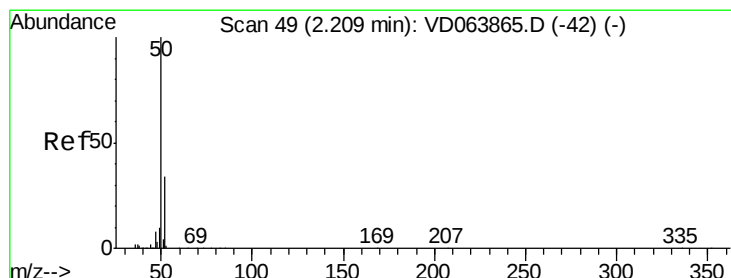
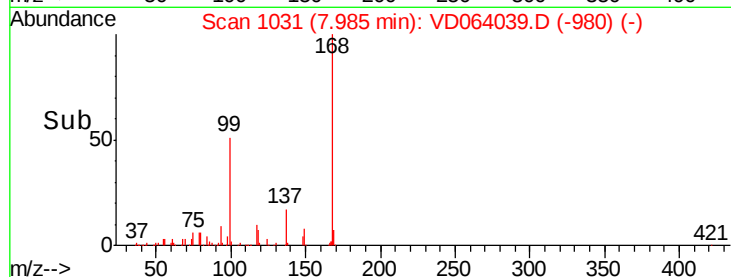
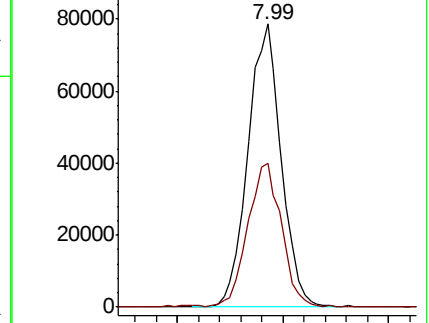
168 100

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: VD064039.D

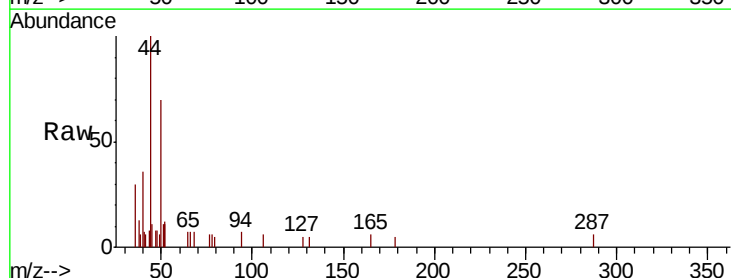
Acq: 24 Oct 2019 11:29

Tgt Ion: 50 Resp: 2407

Ion Ratio Lower Upper

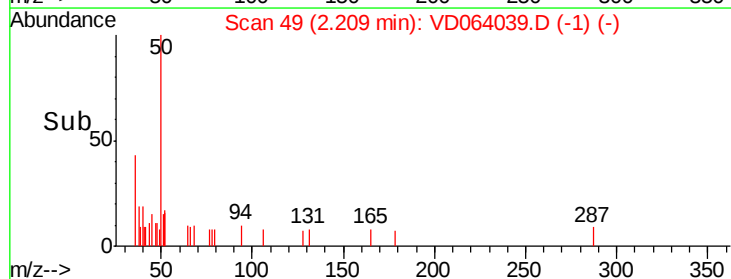
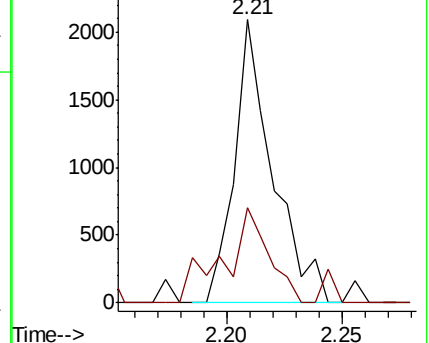
50 100

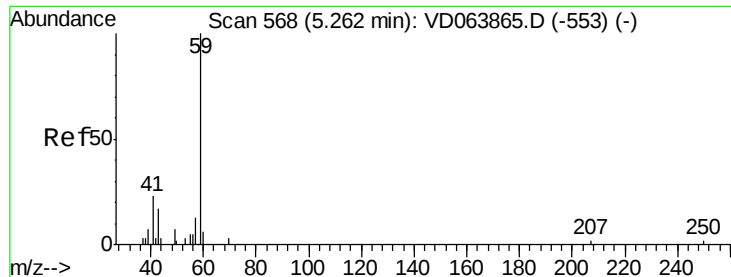
52 33.6 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



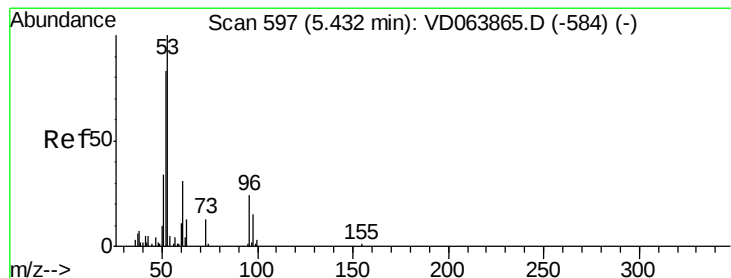
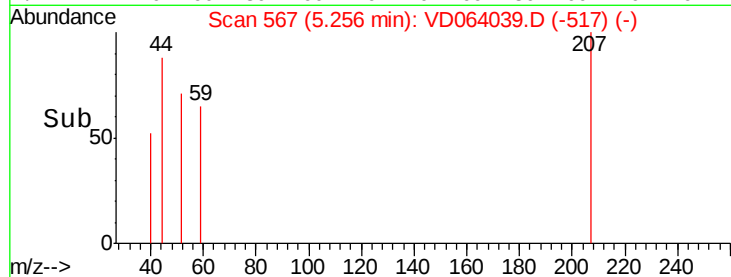
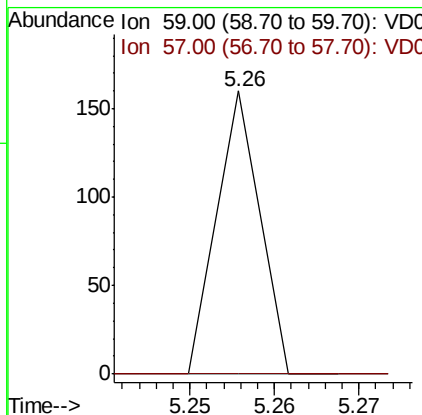
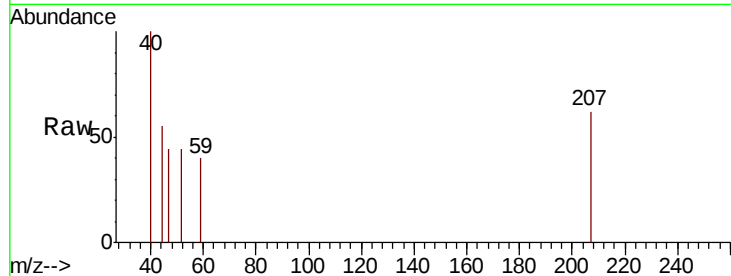


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :

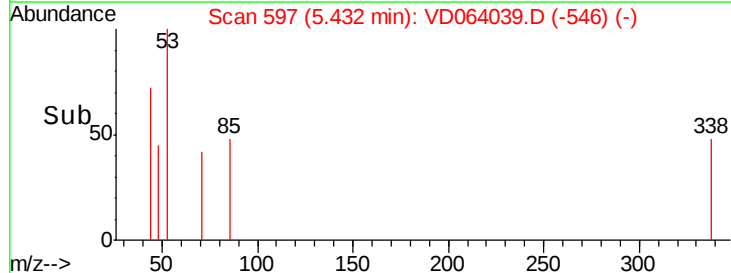
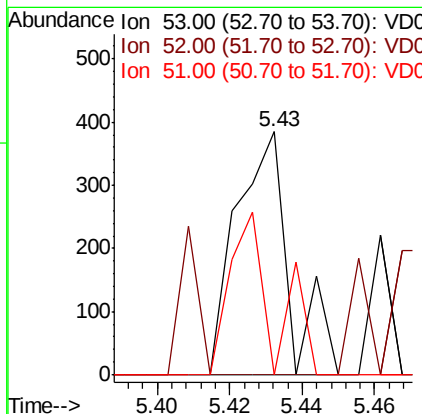
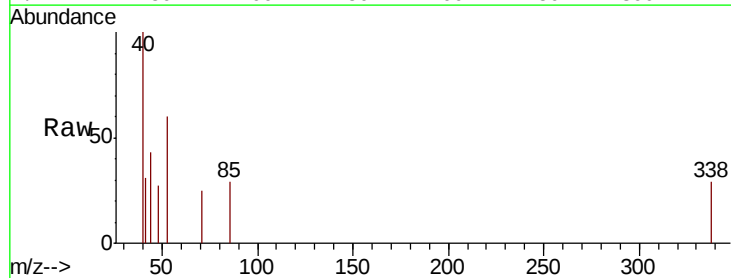
Tot Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

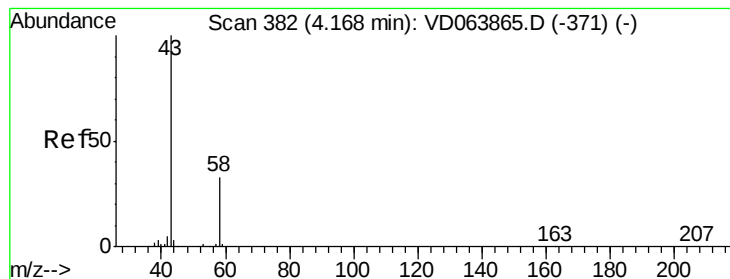


#15

Acrylonitrile
 Concen: 1.057 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Tgt Ion: 53 Resp: 390
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.3 100.9#
 51 55.9 30.5 45.7#





#16

Acetone

Concen: 1.683 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064039.D

Acq: 24 Oct 2019 11:29

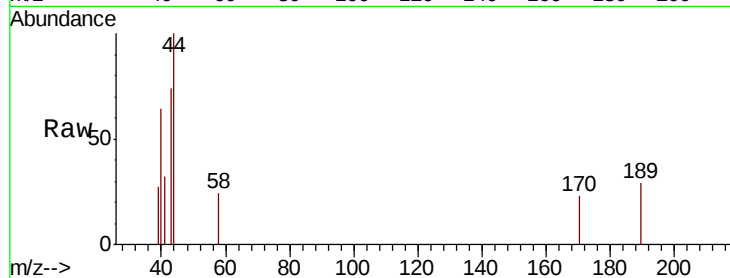
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 734

Ion Ratio Lower Upper

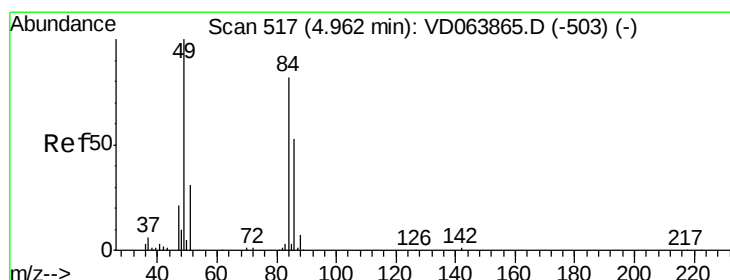
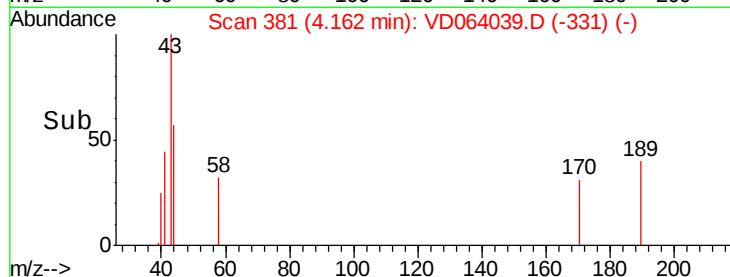
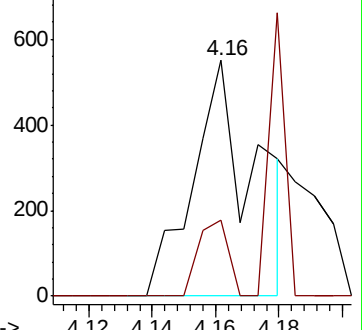
43 100

58 32.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064039.D

Acq: 24 Oct 2019 11:29

Tgt Ion: 84 Resp: 3762

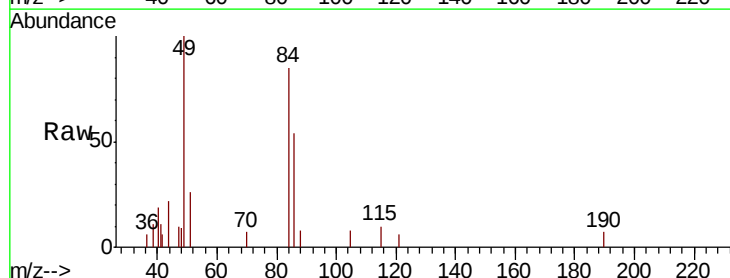
Ion Ratio Lower Upper

84 100

49 98.2 97.3 145.9

51 30.3 30.1 45.1

86 55.5 51.4 77.2

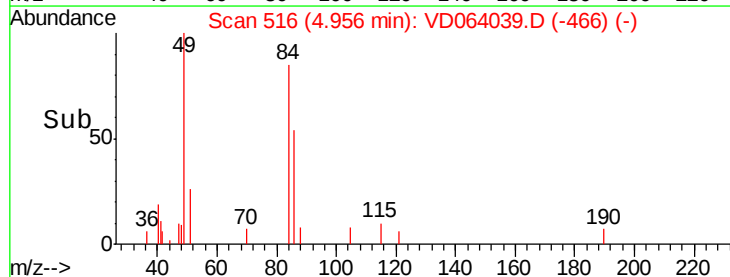
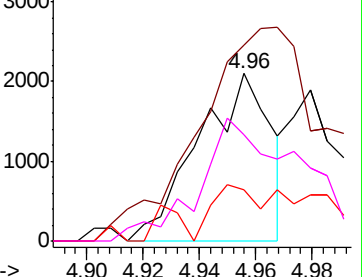


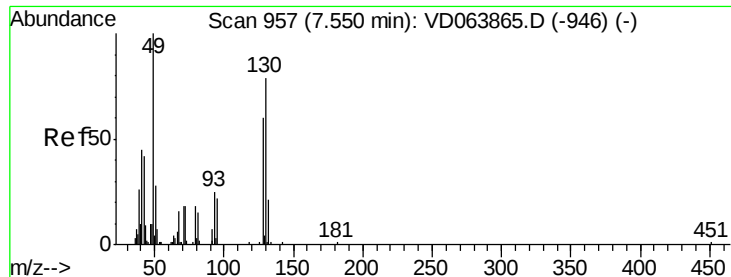
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

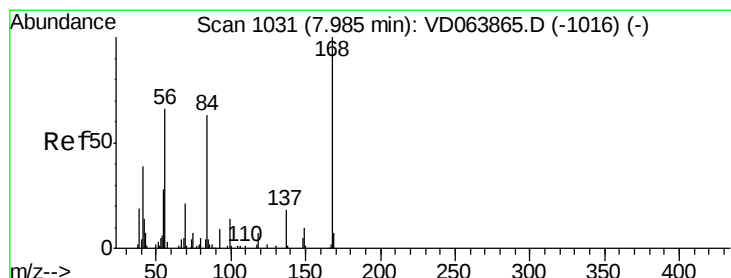
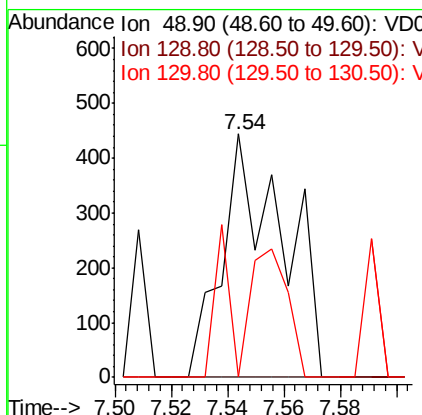
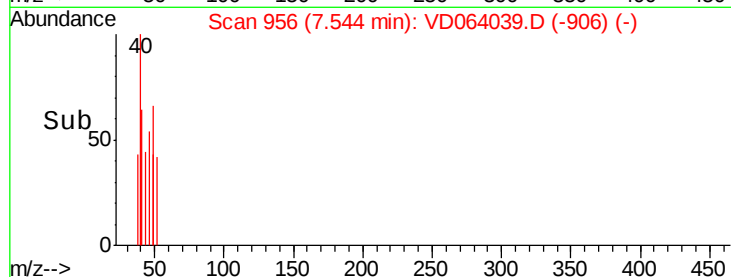
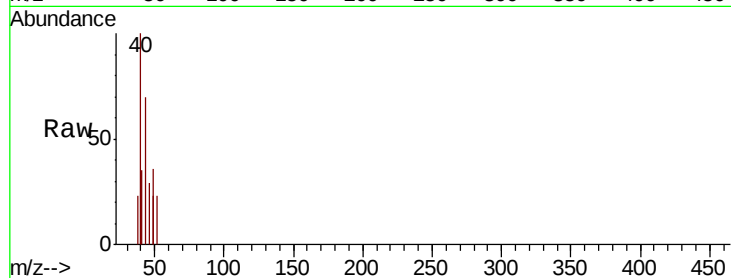




#28
Bromochloromethane
Concen: 2.420 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064039.D
Acq: 24 Oct 2019 11:29

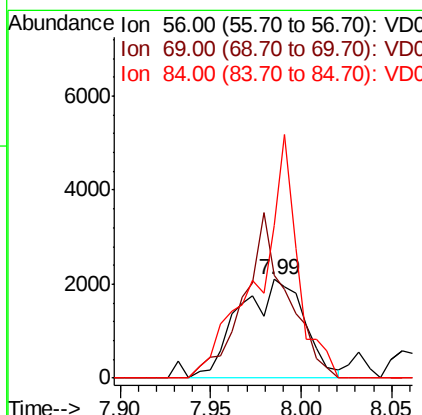
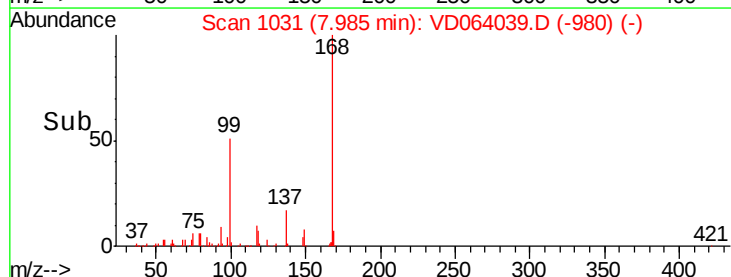
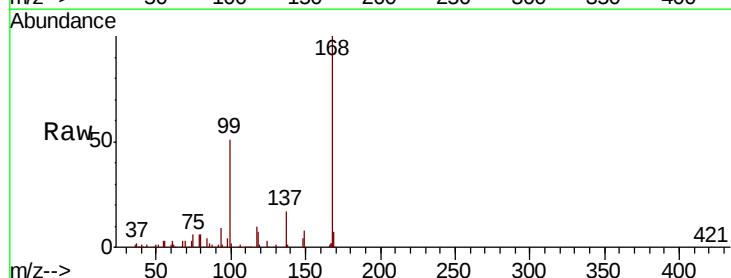
Instrument :
MSVOA_D
ClientSampled :

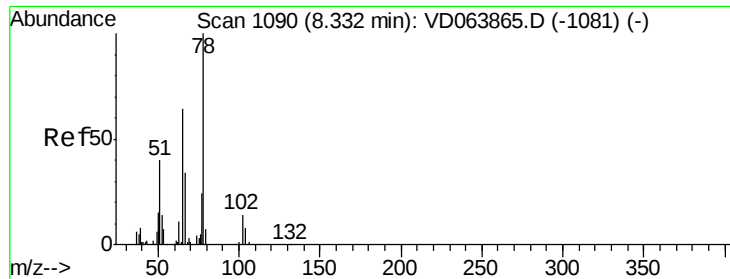
Tot Ion: 49 Resp: 662
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 14.8 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064039.D
Acq: 24 Oct 2019 11:29

Tgt Ion: 56 Resp: 5275
Ion Ratio Lower Upper
56 100
69 104.7 25.0 37.4#
84 172.5 76.3 114.5#

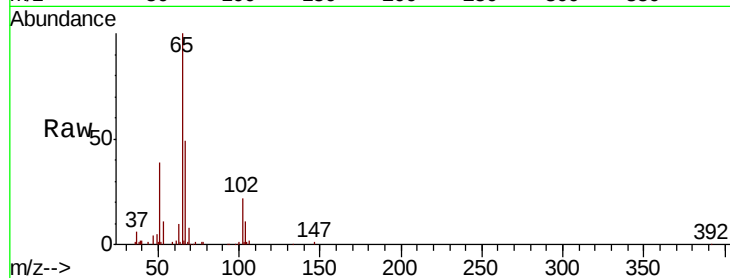




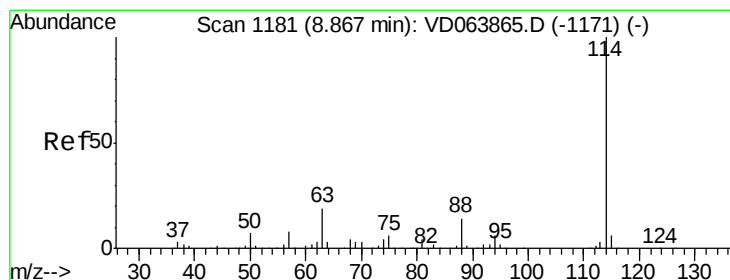
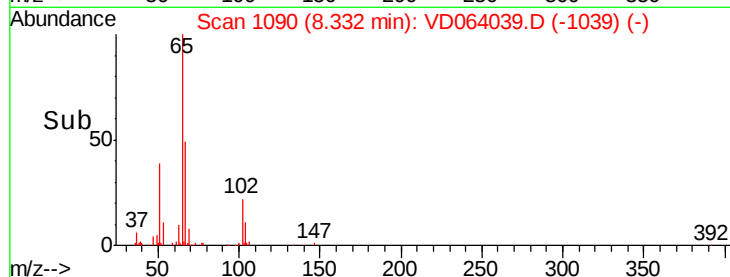
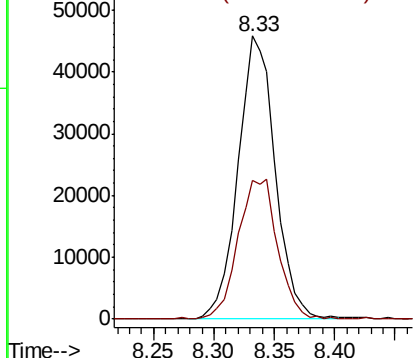
#33
 1,2-Dichloroethane-d4
 Concen: 58.586 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 98114
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4

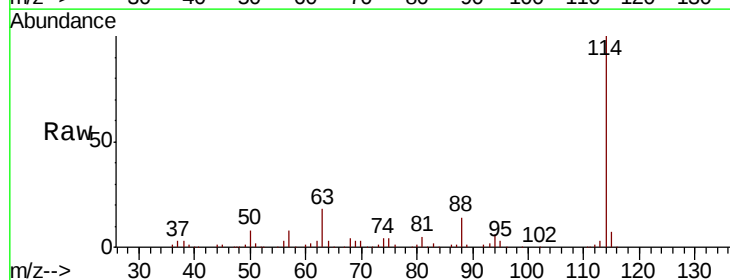


Abundance Ion 64.90 (64.60 to 65.60): V
 Ion 66.90 (66.60 to 67.60): V

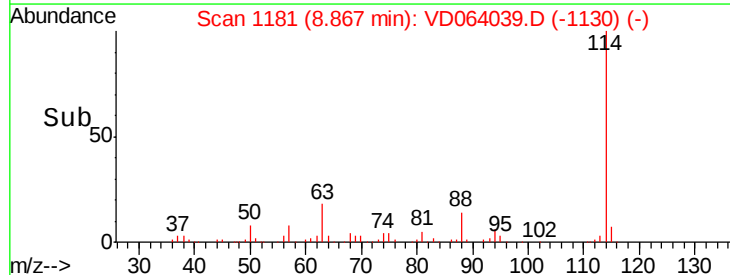
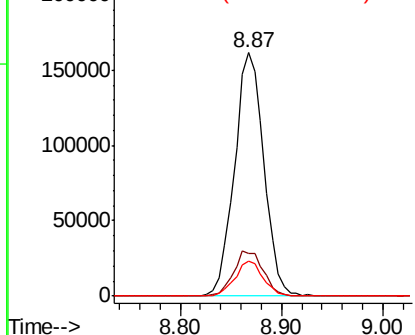


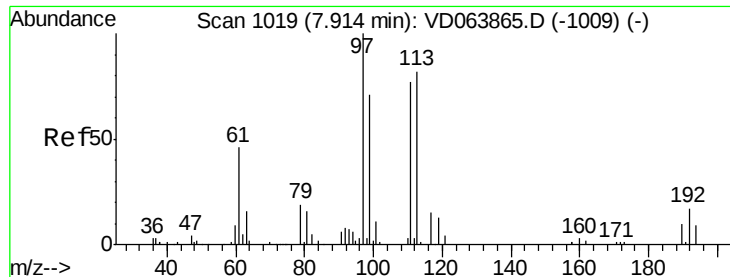
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Tgt Ion: 114 Resp: 325027
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 38.4
 88 14.3 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

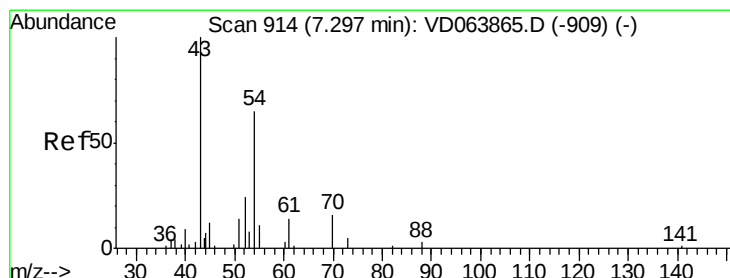
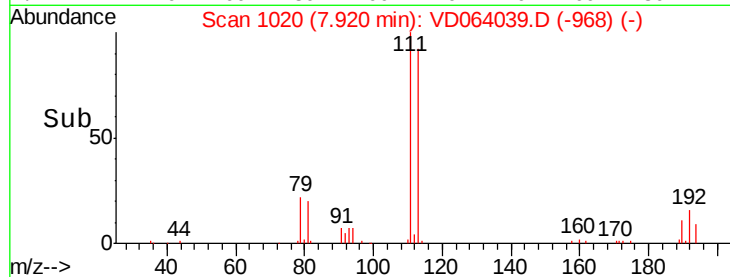
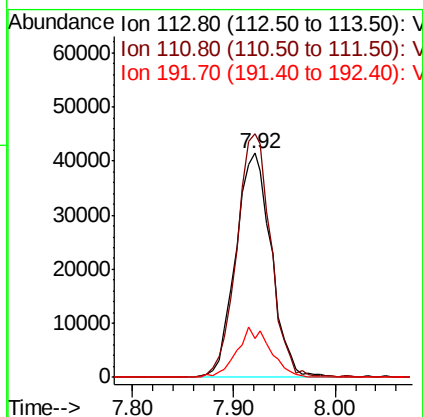
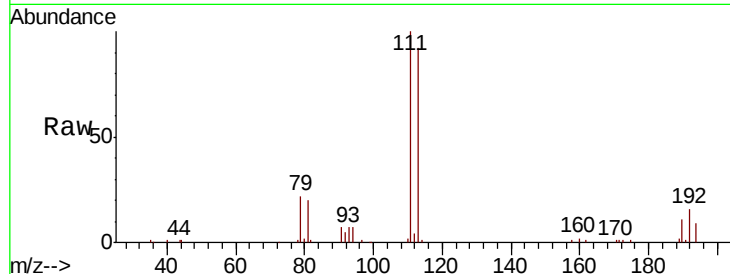




#35
 Dibromofluoromethane
 Concen: 50.760 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

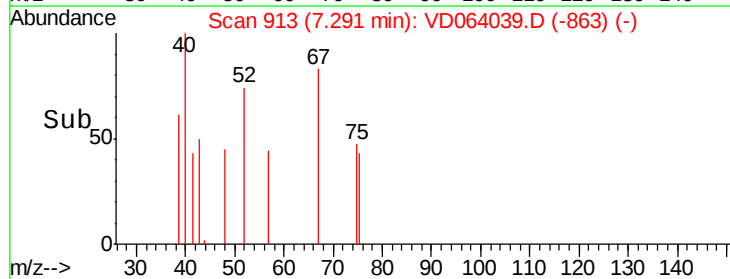
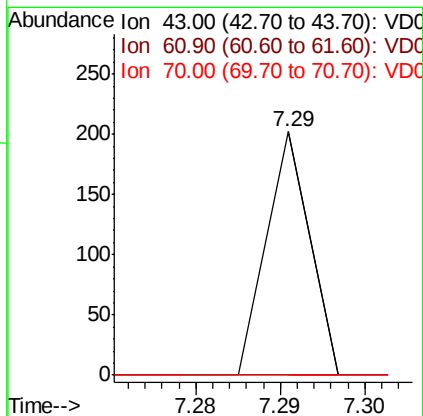
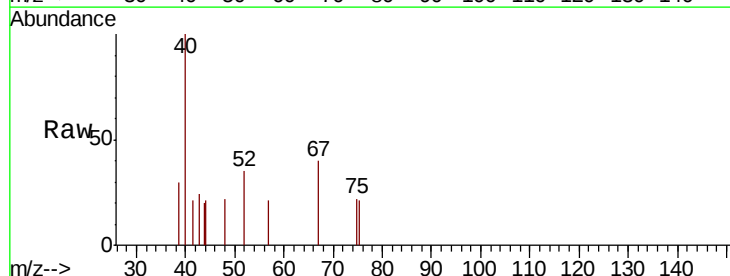
Instrument :
 MSVOA_D
 ClientSampleID :

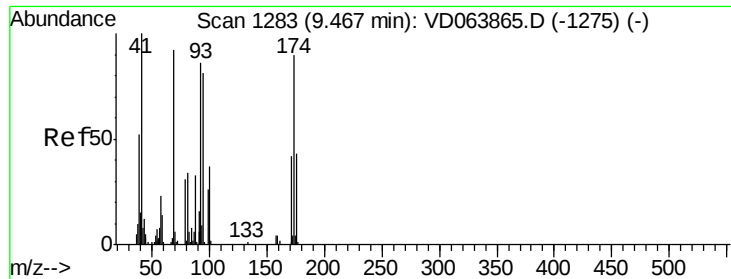
Tot Ion:113 Resp: 100827
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.6 123.8
 192 20.9 17.1 25.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.29 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Tgt Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#

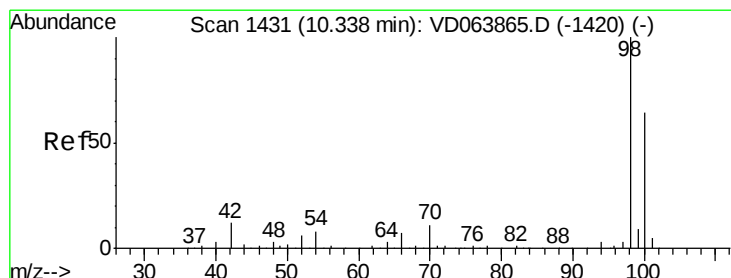
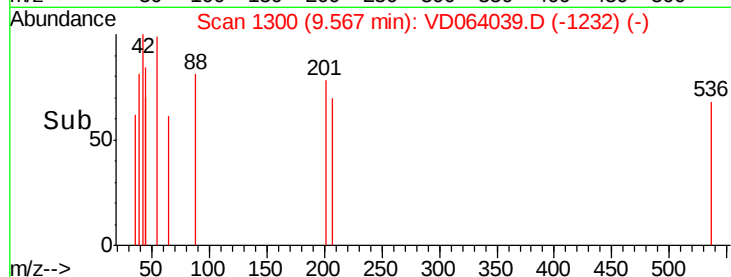
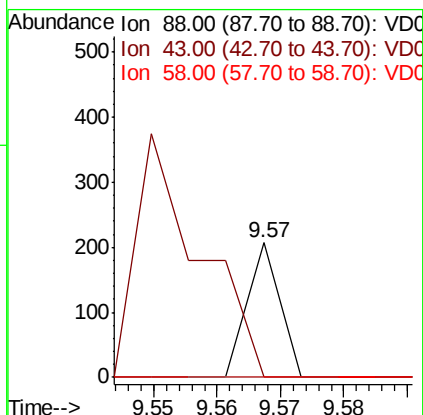
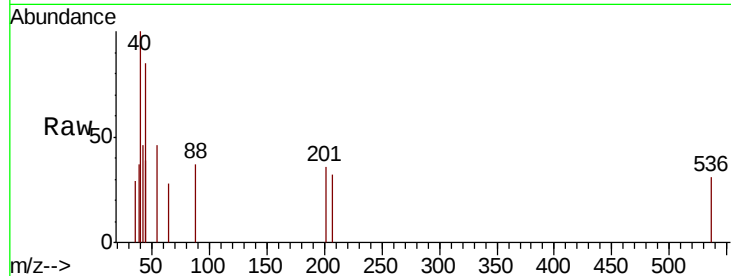




#49
 1,4-Dioxane
 Concen: 4.505 ug/l
 RT: 9.57 min Scan# 1300
 Delta R.T. 0.10 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

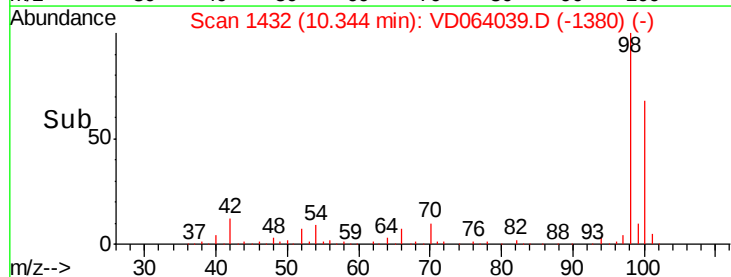
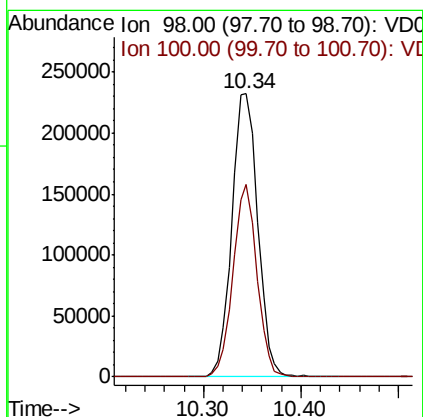
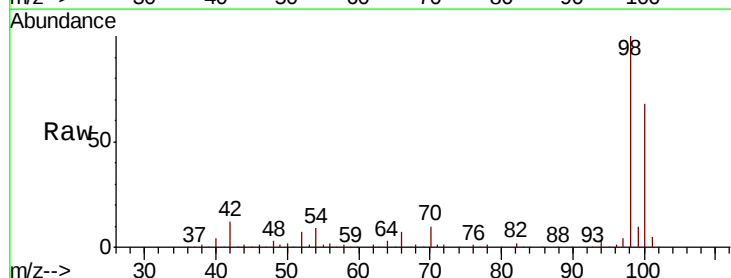
Instrument :
 MSVOA_D
 ClientSampleId :

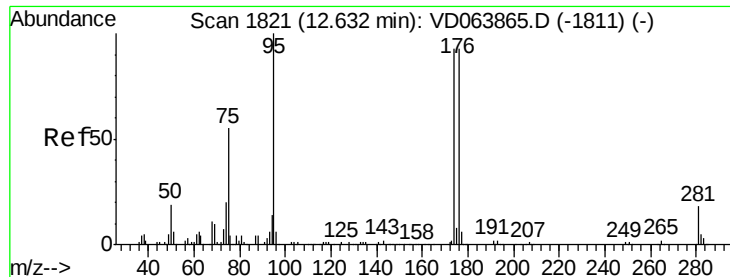
Tot Ion: 88 Resp: 73
 Ion Ratio Lower Upper
 88 100
 43 442.5 27.6 41.4#
 58 0.0 54.1 81.1#



#50
 Toluene-d8
 Concen: 53.213 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064039.D
 Acq: 24 Oct 2019 11:29

Tgt Ion: 98 Resp: 429014
 Ion Ratio Lower Upper
 98 100
 100 62.8 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 46.779 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064039.D

Acq: 24 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

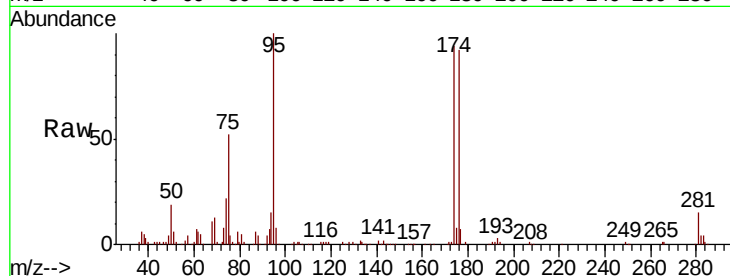
Tot Ion: 95 Resp: 131058

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.4

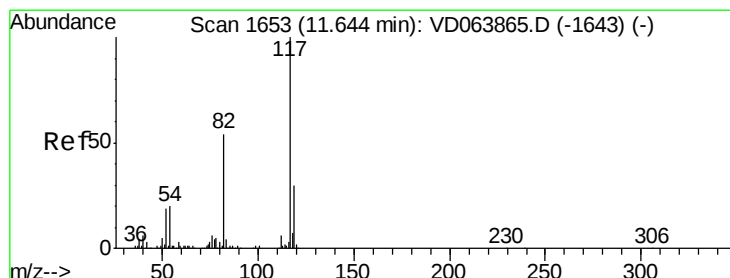
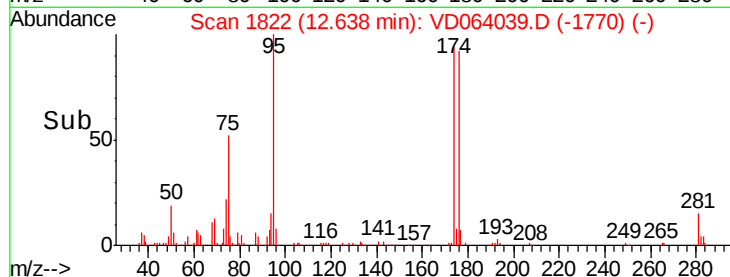
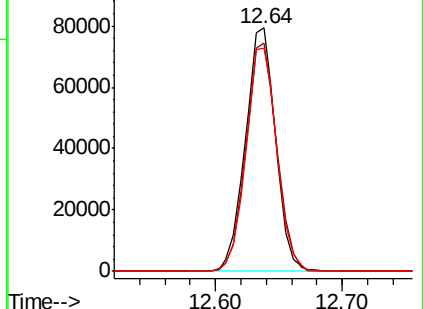
176 93.9 0.0 184.2



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: VD064039.D

Acq: 24 Oct 2019 11:29

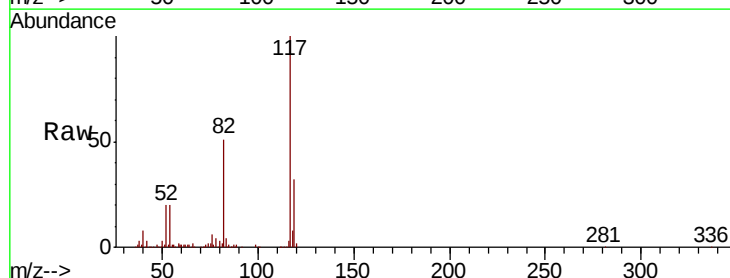
Tgt Ion: 117 Resp: 330375

Ion Ratio Lower Upper

117 100

82 50.6 42.8 64.2

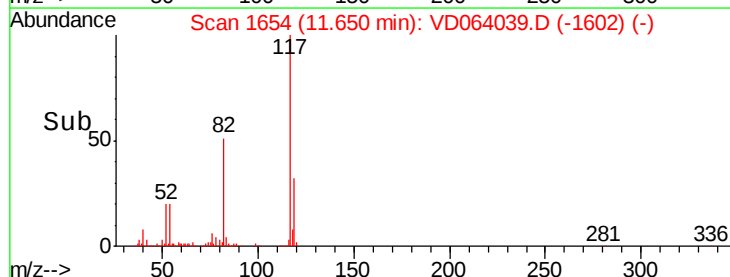
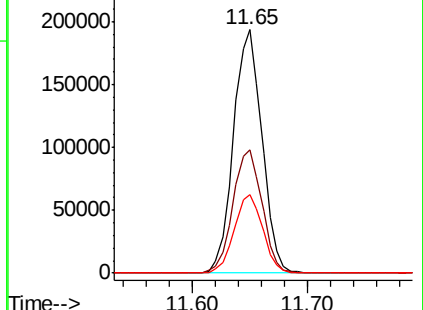
119 32.0 24.4 36.6

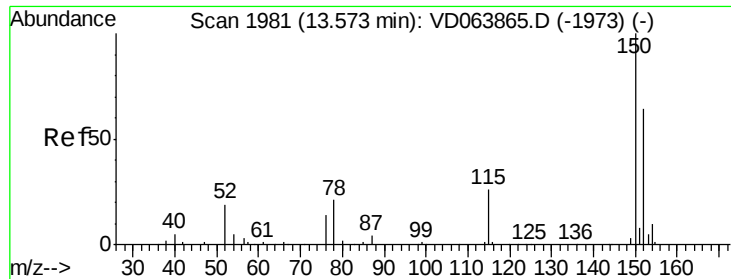


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064039.D

Acq: 24 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

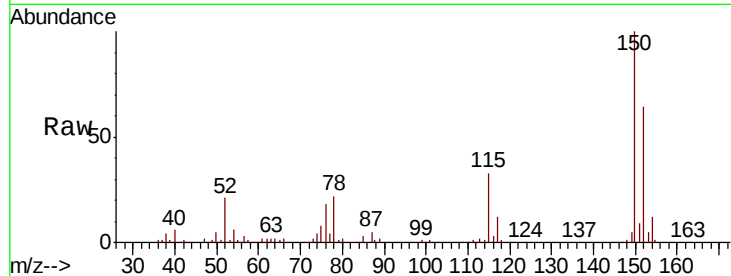
Tot Ion:152 Resp: 160702

Ion Ratio Lower Upper

152 100

115 55.3 25.9 77.7

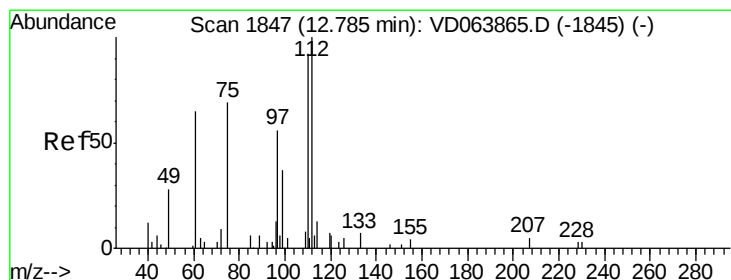
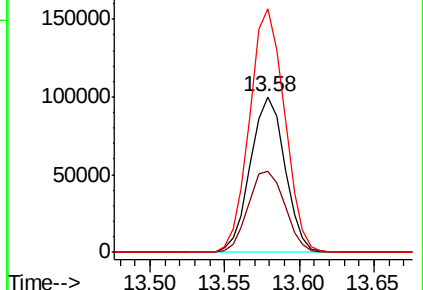
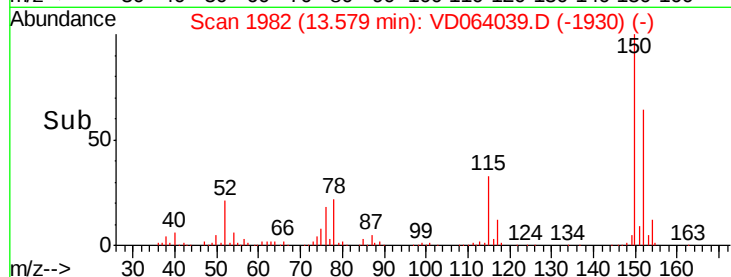
150 158.5 0.0 344.2



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



#76

1,2,3-Trichloropropane

Concen: 68.517 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064039.D

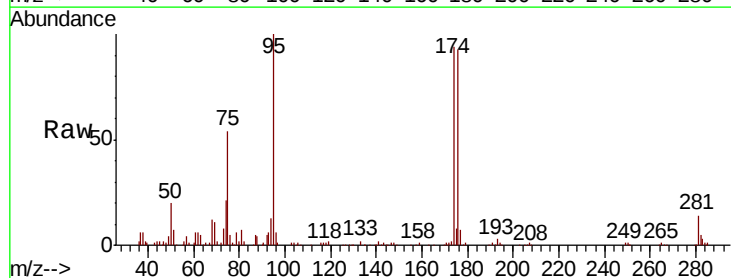
Acq: 24 Oct 2019 11:29

Tgt Ion: 75 Resp: 73747

Ion Ratio Lower Upper

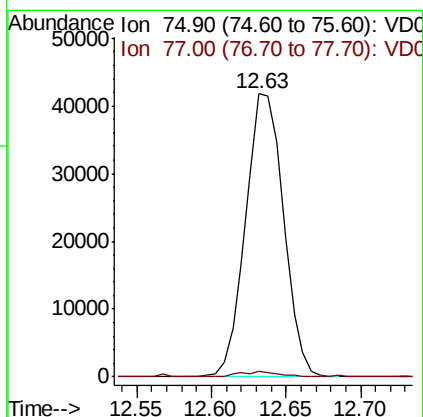
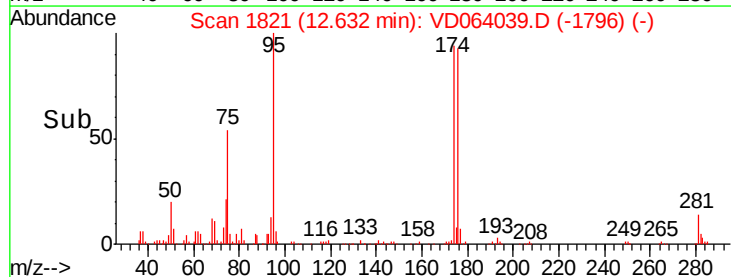
75 100

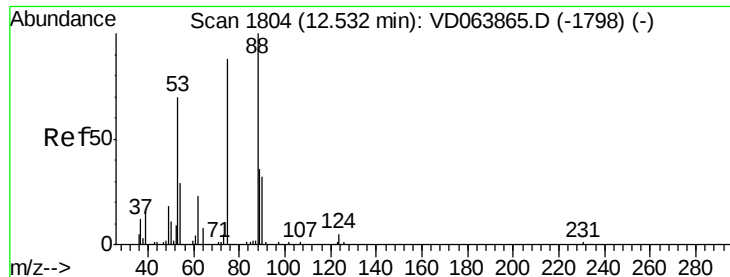
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

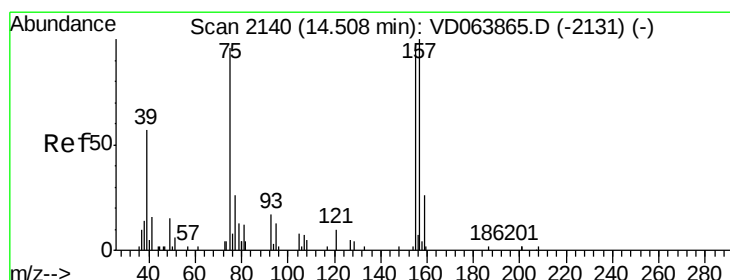
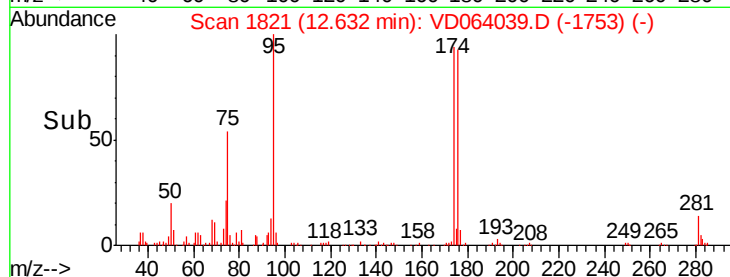
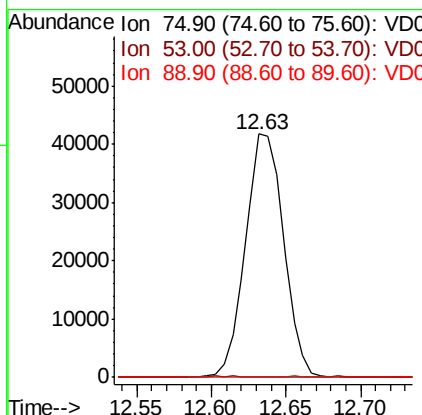
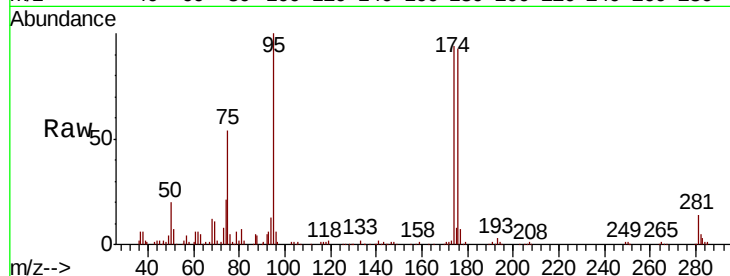




#81
trans-1,4-Dichloro-2-butene
Concen: 121.247 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD064039.D
Acq: 24 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 73747
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.1 38.2 57.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.37 min Scan# 2116
Delta R.T. -0.14 min
Lab File: VD064039.D
Acq: 24 Oct 2019 11:29

Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
155 0.0 43.9 131.6#
157 0.0 56.0 167.9#

