

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064032.D
 Acq On : 23 Oct 2019 20:33
 Operator : VA/SY
 Sample : K5498-20
 Misc : 6.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 06:00:33 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	116123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	233346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	253218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113529	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	74320	65.74	ug/l	0.00
Spiked Amount			Recovery	=	131.48%	
35) Dibromofluoromethane	7.92	113	75132	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
50) Toluene-d8	10.34	98	322877	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.64	95	91467	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

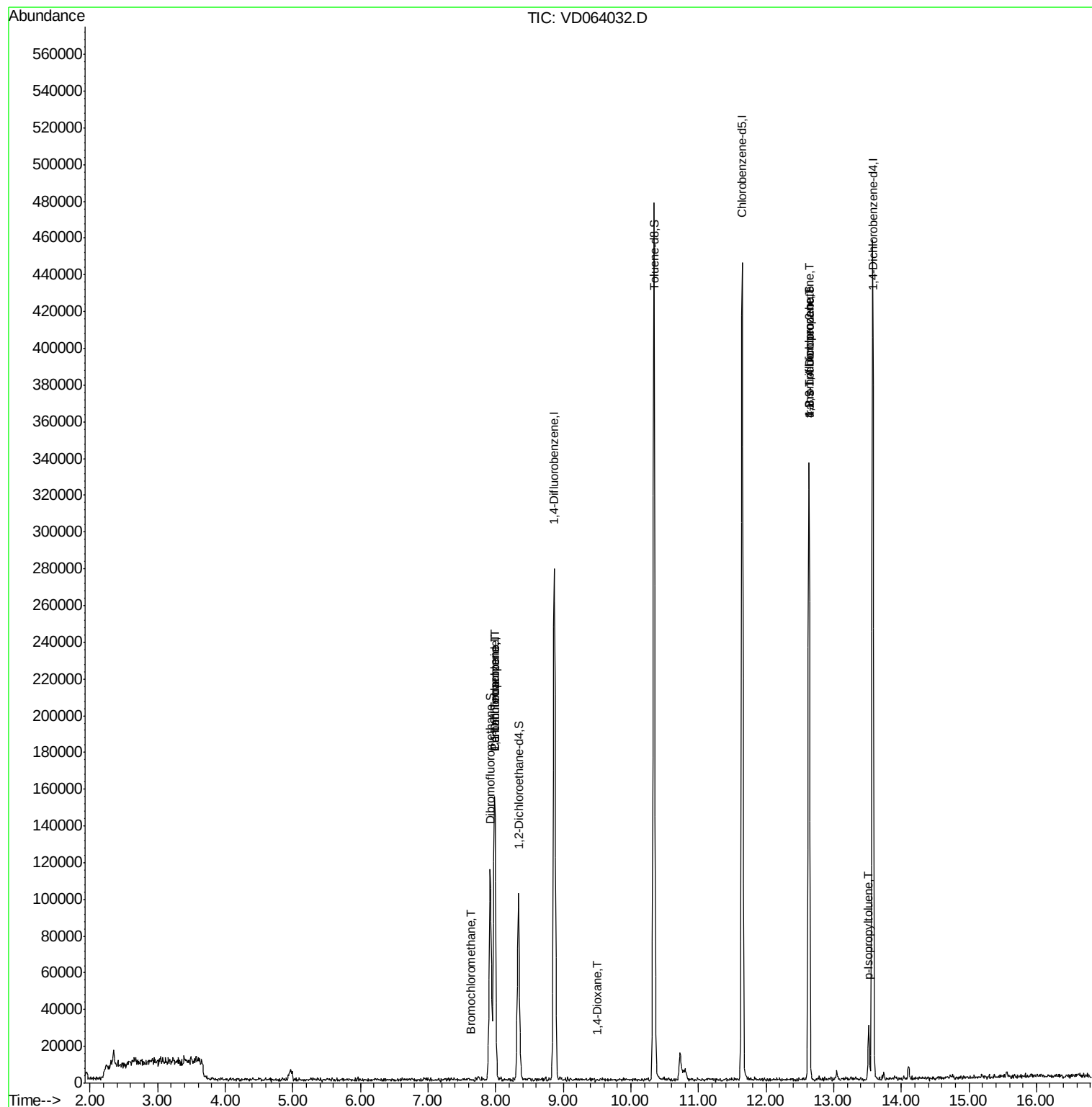
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	123	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	54	Below Cal	#	71
28) Bromochloromethane	7.63	49	54	1.931	ug/l #	10
31) Cyclohexane	7.97	56	3434	Below Cal	#	82
36) 1,1-Dichloropropene	7.98	75	9446	4.427	ug/l #	50
37) Ethyl Acetate	7.26	43	62	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	11532	5.349	ug/l #	15
49) 1,4-Dioxane	9.51	88	59	5.072	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	51431	67.638	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51431	119.692	ug/l #	12
86) p-Isopropyltoluene	13.52	119	15210	2.100	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.46	75	92	Below Cal	#	1

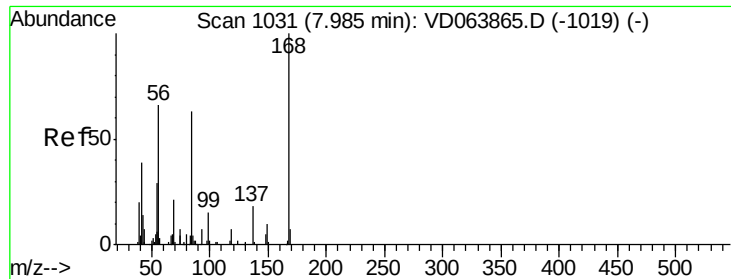
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064032.D

Acq: 23 Oct 2019 20:33

Instrument :

MSVOA_D

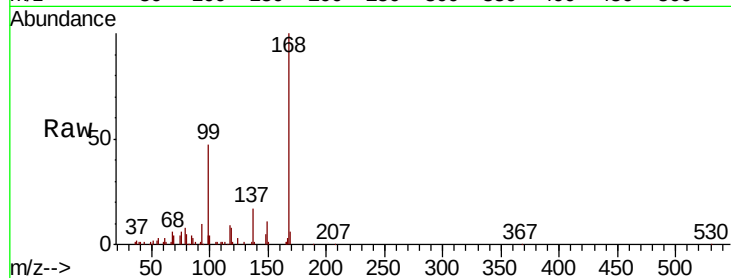
ClientSampleId :

Tot Ion:168 Resp: 116123

Ion Ratio Lower Upper

168 100

99 46.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

30000

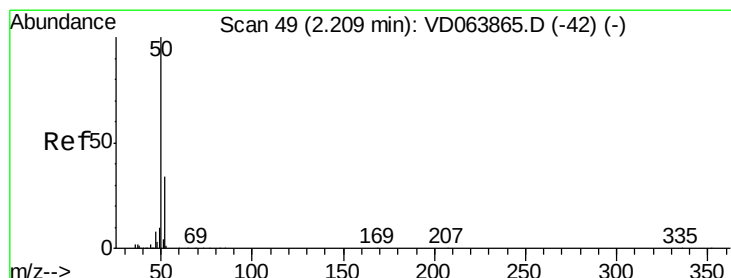
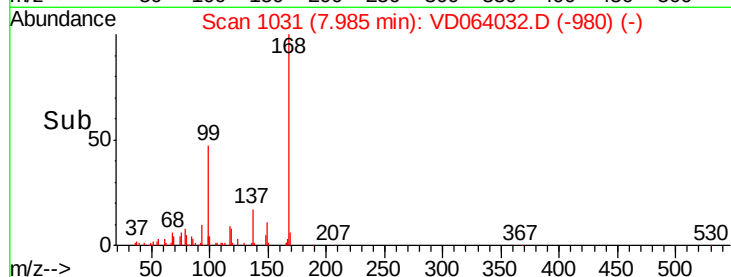
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 51

Delta R.T. 0.01 min

Lab File: VD064032.D

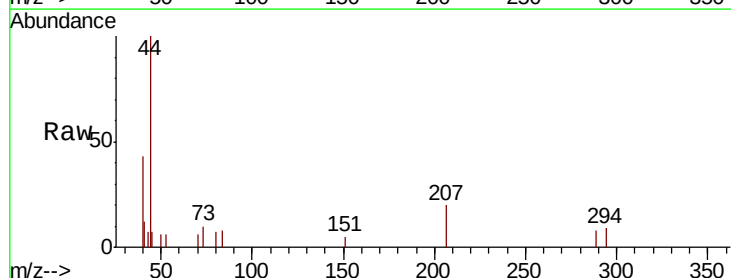
Acq: 23 Oct 2019 20:33

Tgt Ion: 50 Resp: 123

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

300

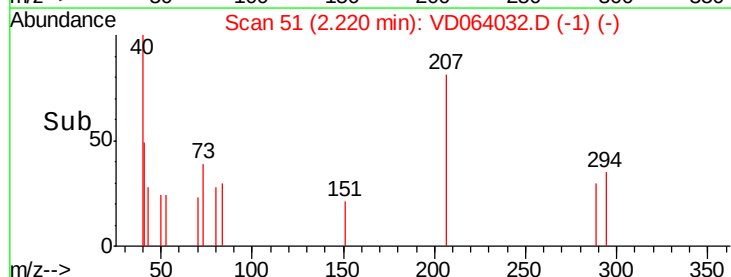
200

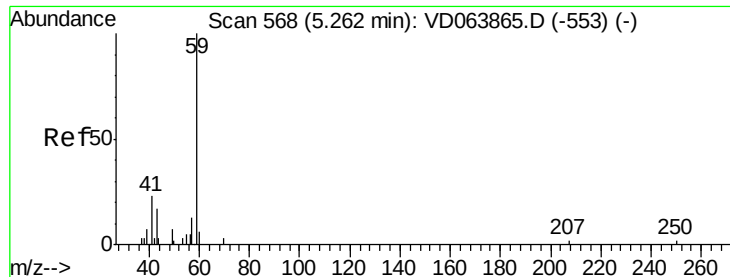
100

0

2.20 2.22

Time-->



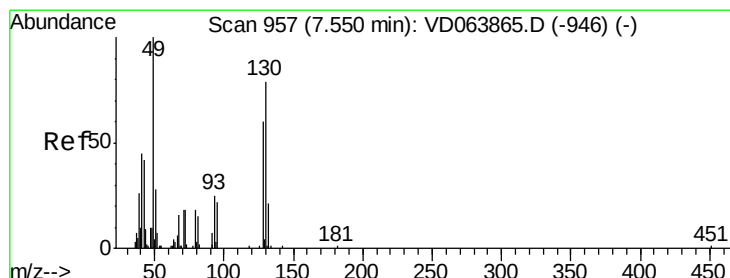
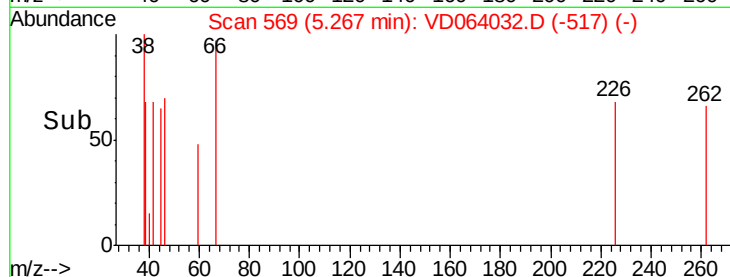
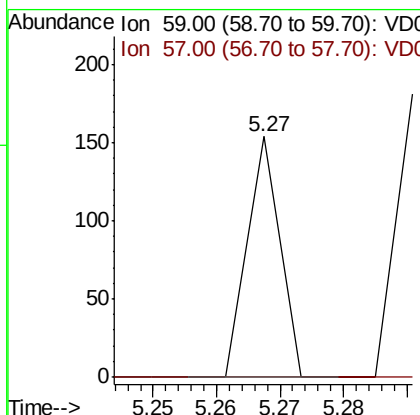
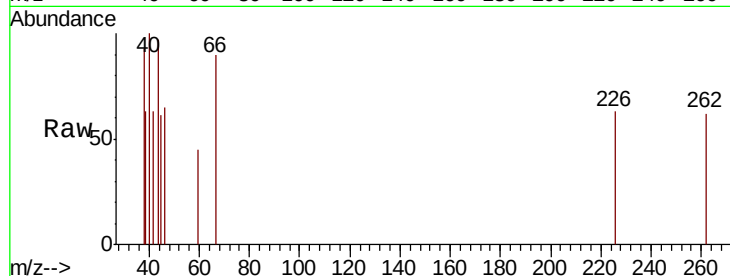


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Instrument :
 MSVOA_D
 ClientSampled :

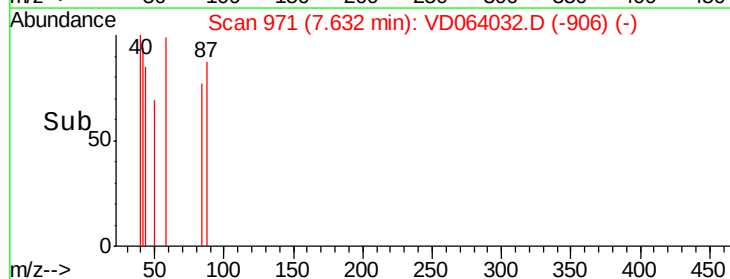
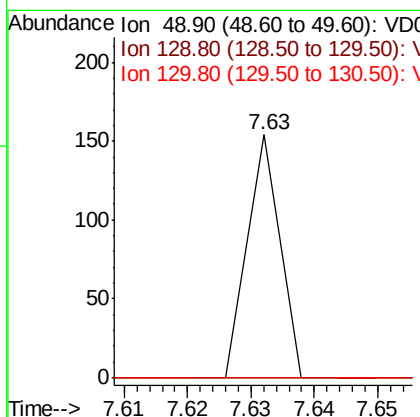
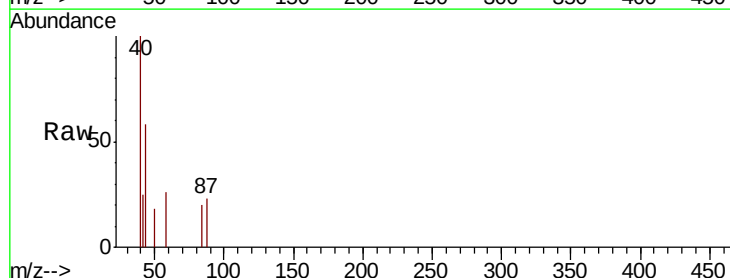
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

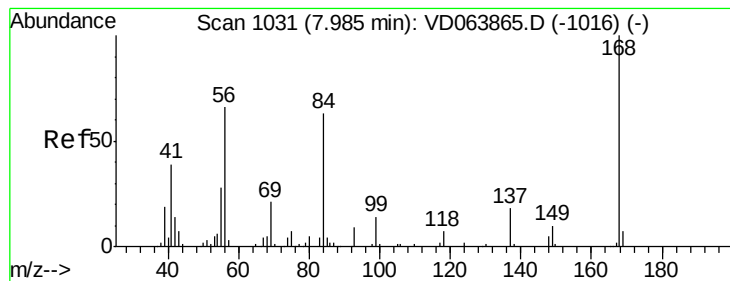


#28

Bromochloromethane
 Concen: 1.931 ug/l
 RT: 7.63 min Scan# 971
 Delta R.T. 0.08 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Tgt Ion: 49 Resp: 54
 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: VD064032.D

Acq: 23 Oct 2019 20:33

Instrument :

MSVOA_D

ClientSampled :

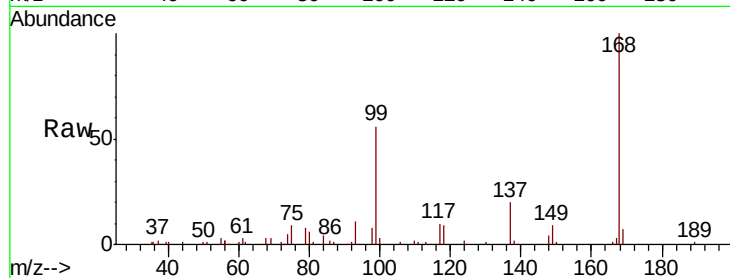
Tot Ion: 56 Resp: 3434

Ion Ratio Lower Upper

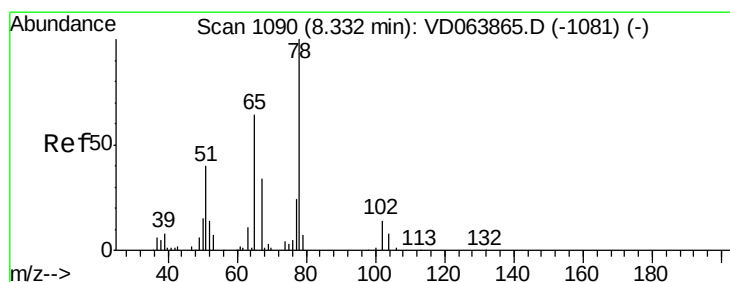
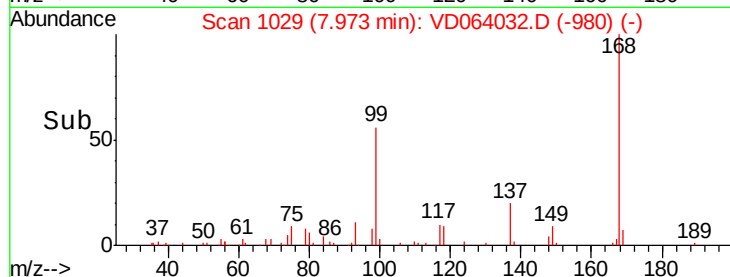
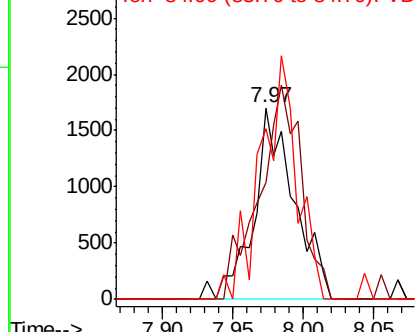
56 100

69 61.3 25.0 37.4#

84 88.9 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: 65.738 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064032.D

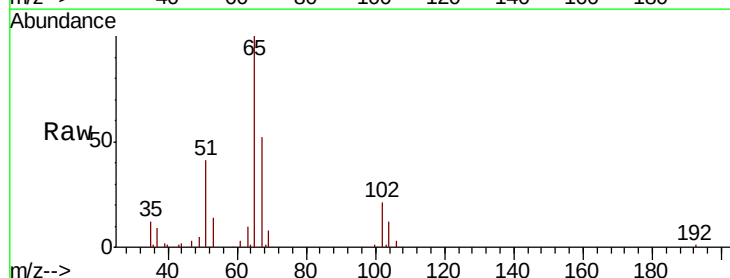
Acq: 23 Oct 2019 20:33

Tgt Ion: 65 Resp: 74320

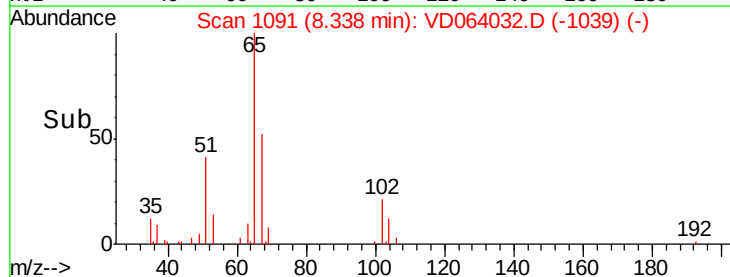
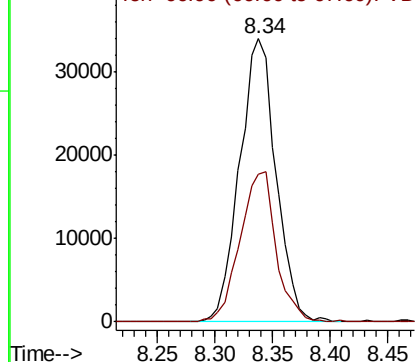
Ion Ratio Lower Upper

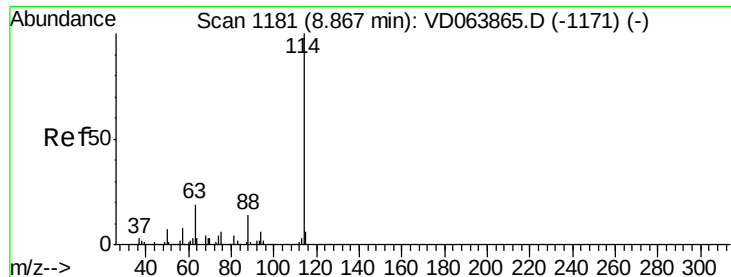
65 100

67 52.4 0.0 106.4



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

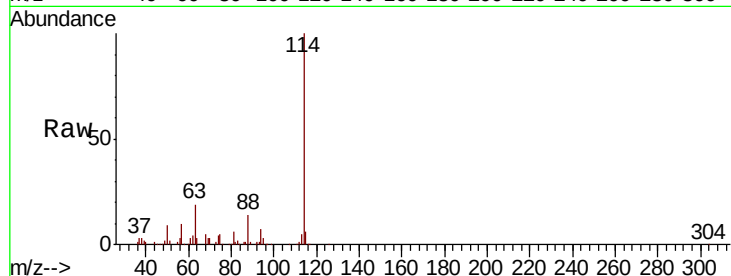




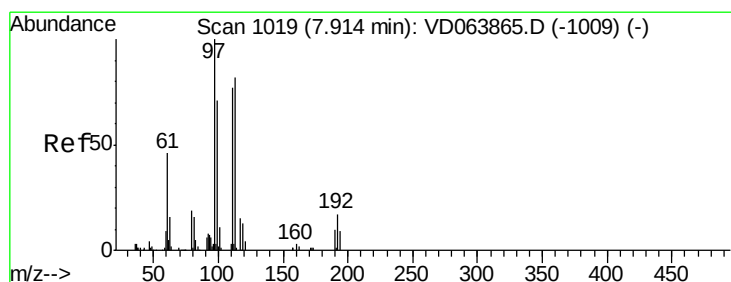
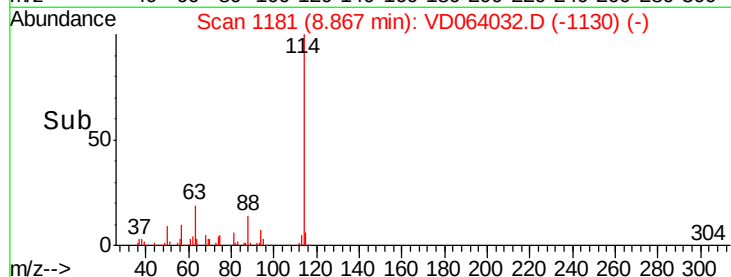
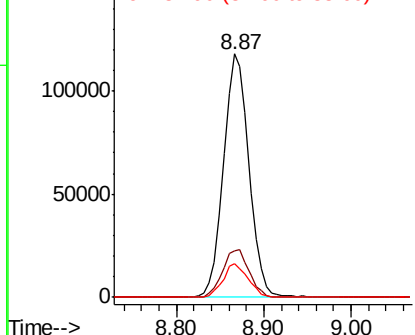
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	13.8	0.0	27.4

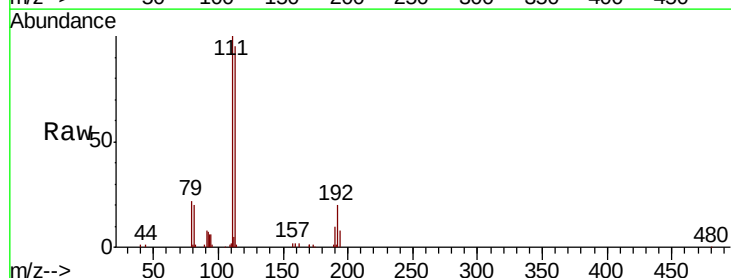


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

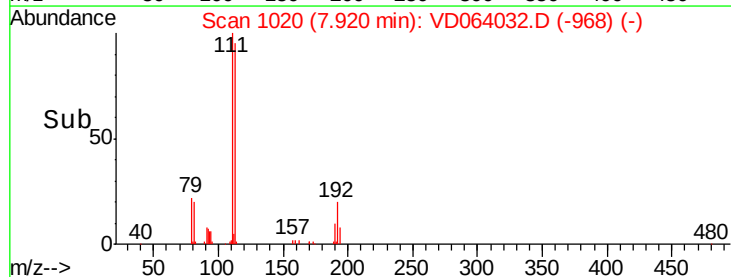
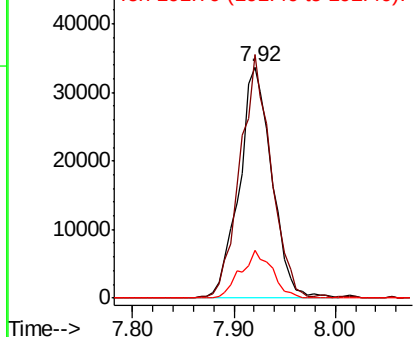


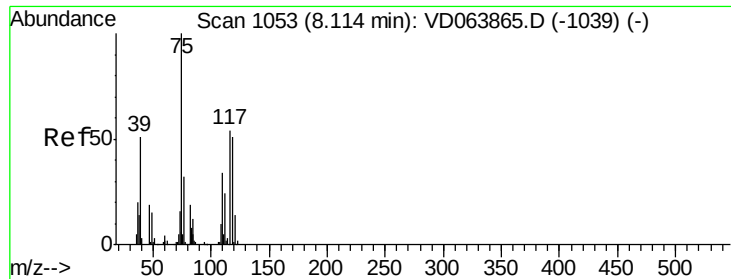
#35
 Dibromofluoromethane
 Concen: 52.685 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	20.0	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

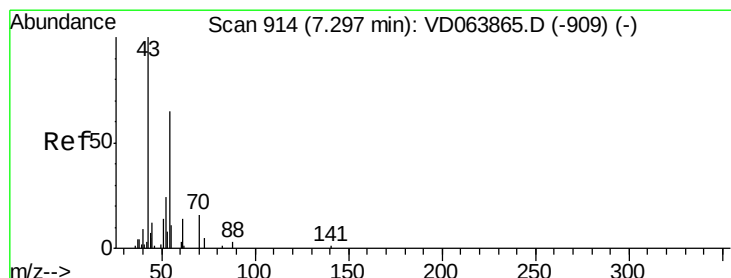
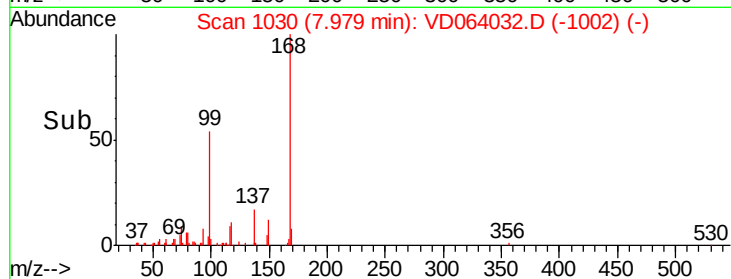
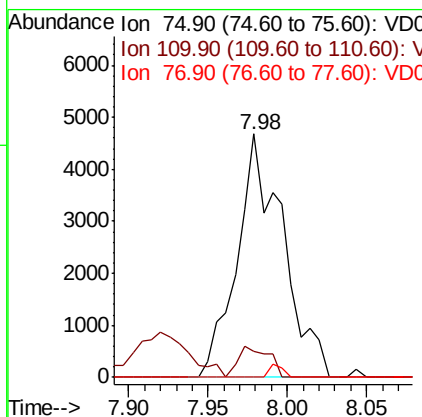
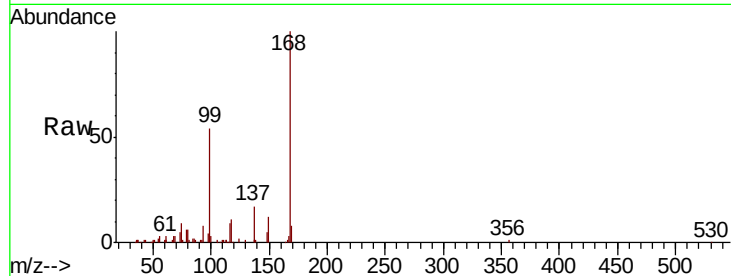




#36
 1,1-Dichloropropene
 Concen: 4.427 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

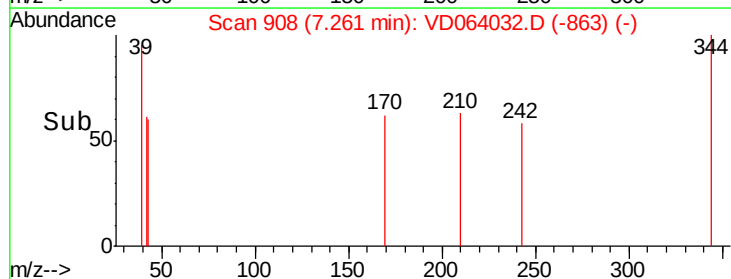
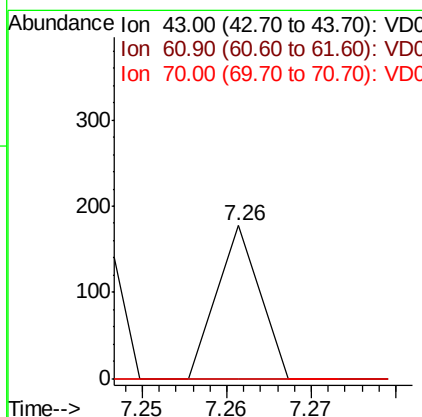
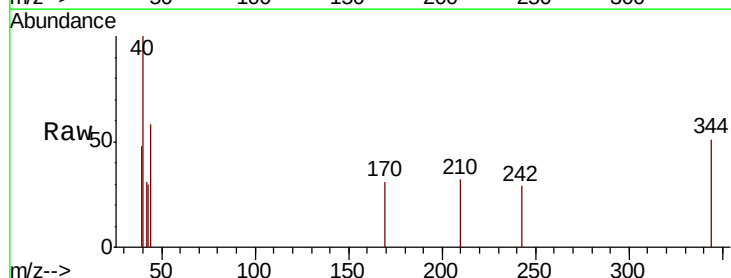
Instrument :
 MSVOA_D
 ClientSampleId :

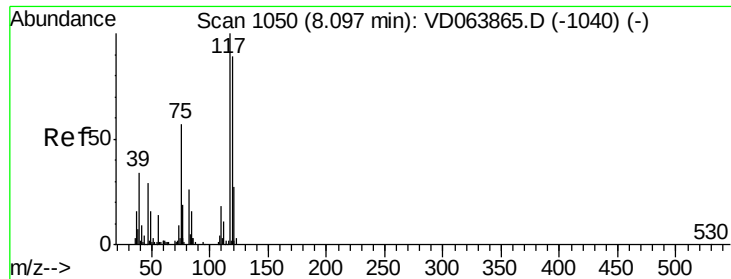
Tot Ion: 75 Resp: 9446
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.4 52.3#
 77 1.7 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.26 min Scan# 908
 Delta R.T. -0.03 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD064032.D

Acq: 23 Oct 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

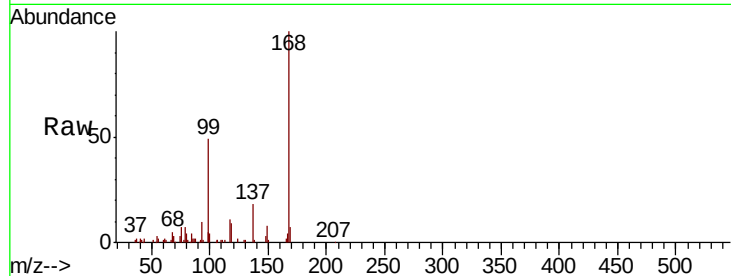
Tot Ion:117 Resp: 11532

Ion Ratio Lower Upper

117 100

119 0.0 70.8 106.2#

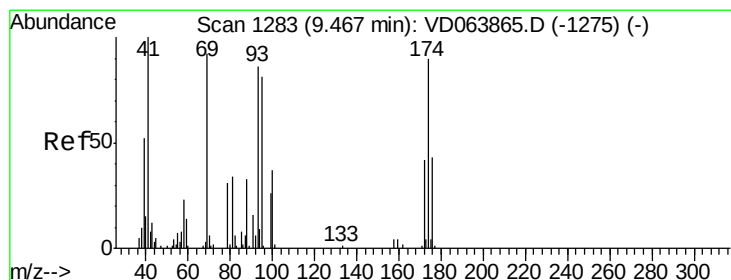
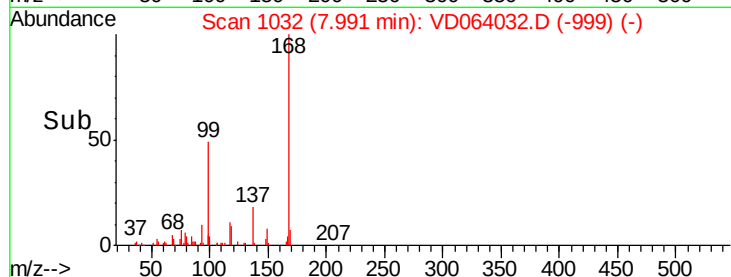
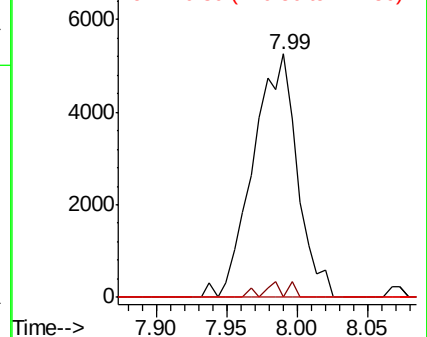
121 0.0 21.4 32.0#



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: 5.072 ug/l

RT: 9.51 min Scan# 1291

Delta R.T. 0.05 min

Lab File: VD064032.D

Acq: 23 Oct 2019 20:33

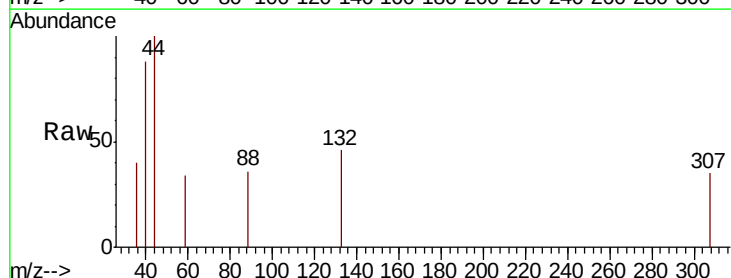
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 245.8 27.6 41.4#

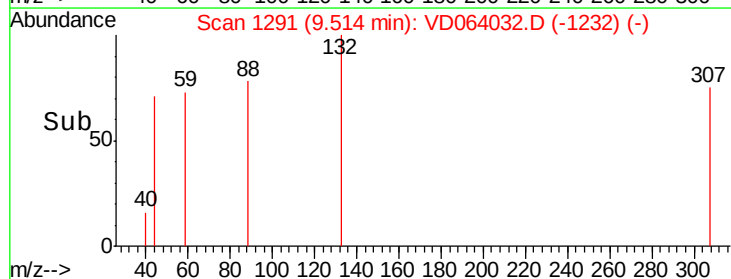
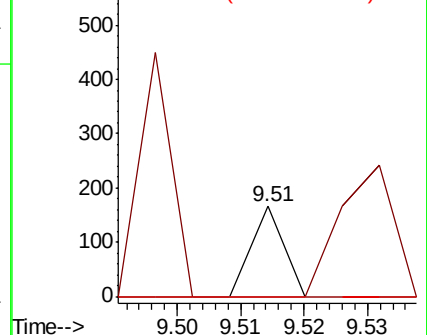
58 0.0 54.1 81.1#

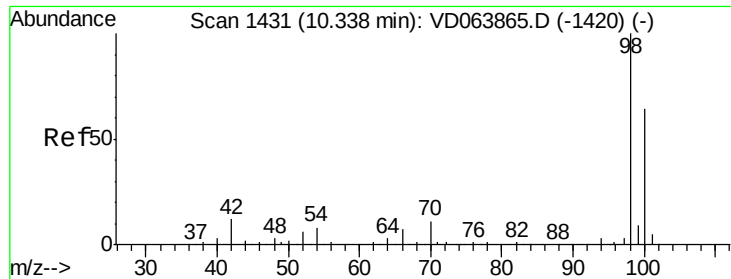


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

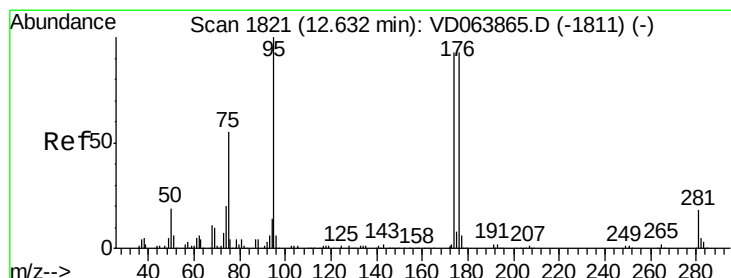
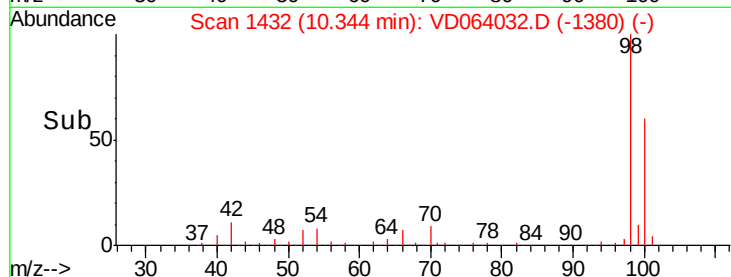
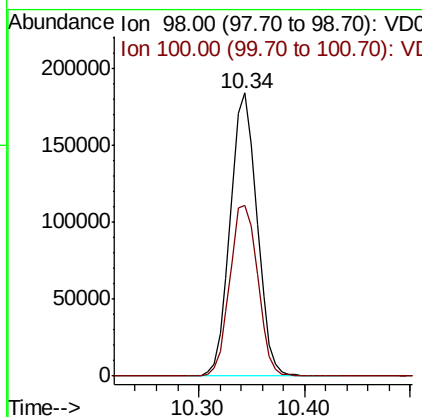
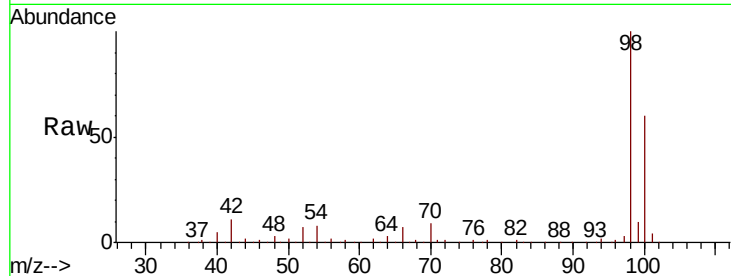




#50
Toluene-d8
Concen: 55.783 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064032.D
Acq: 23 Oct 2019 20:33

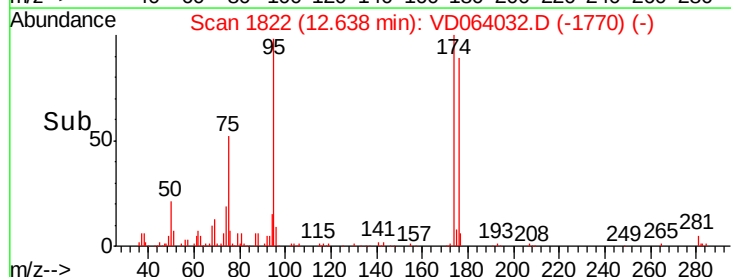
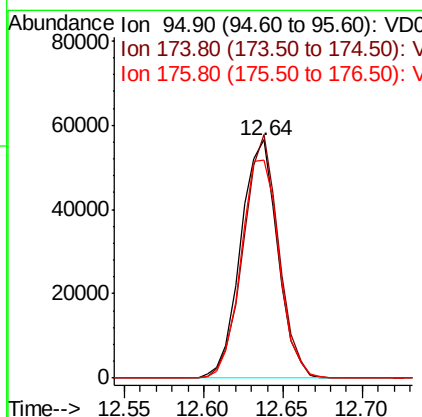
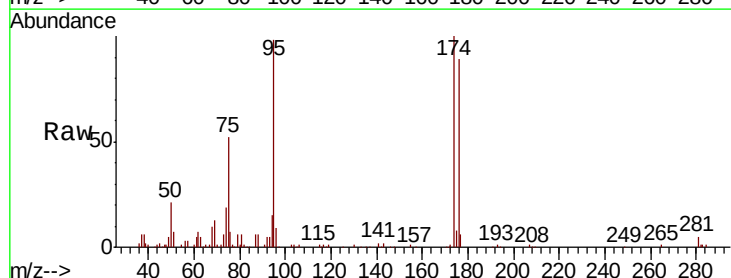
Instrument :
MSVOA_D
ClientSampled :

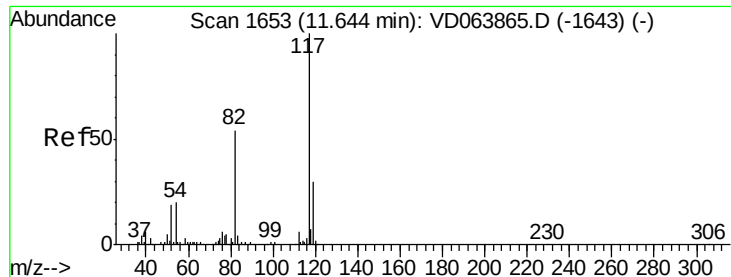
Tot Ion: 98 Resp: 322877
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.475 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064032.D
Acq: 23 Oct 2019 20:33

Tgt Ion: 95 Resp: 91467
Ion Ratio Lower Upper
95 100
174 97.7 0.0 186.4
176 94.8 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: VD064032.D

Acq: 23 Oct 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

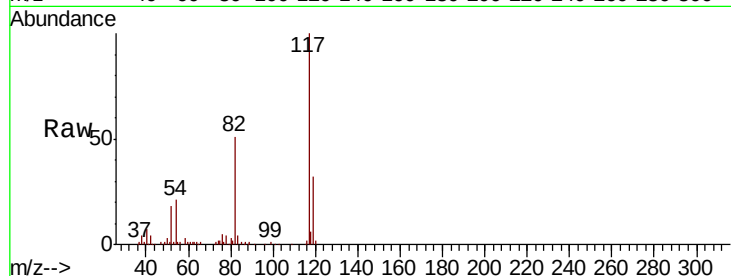
Tot Ion:117 Resp: 253218

Ion Ratio Lower Upper

117 100

82 50.8 42.8 64.2

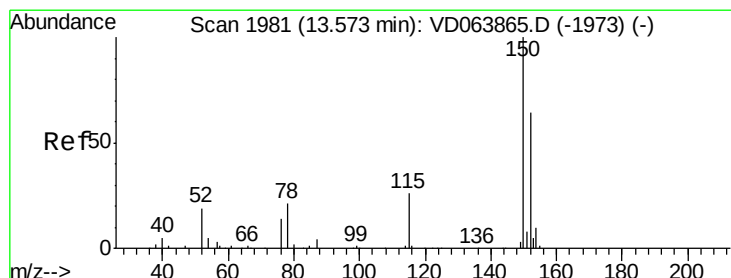
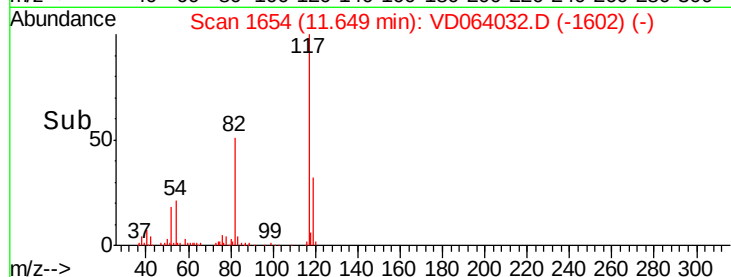
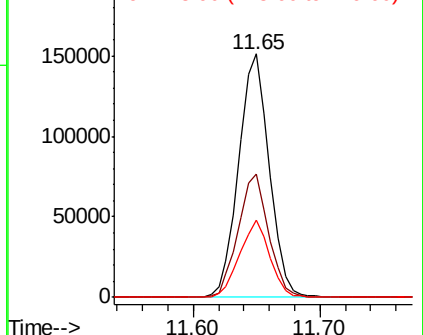
119 31.9 24.4 36.6



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: VD064032.D

Acq: 23 Oct 2019 20:33

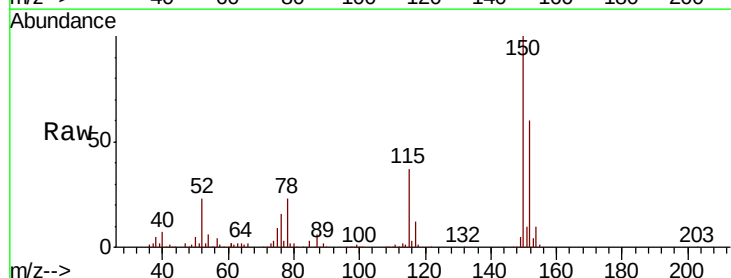
Tgt Ion:152 Resp: 113529

Ion Ratio Lower Upper

152 100

115 57.1 25.9 77.7

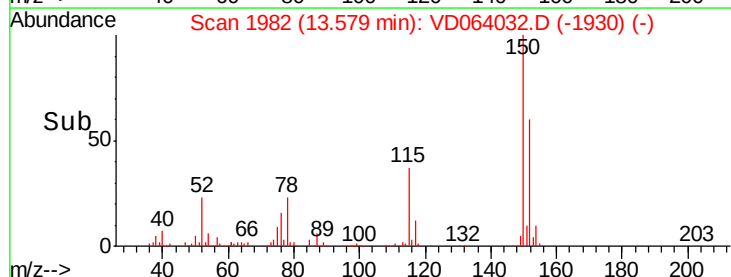
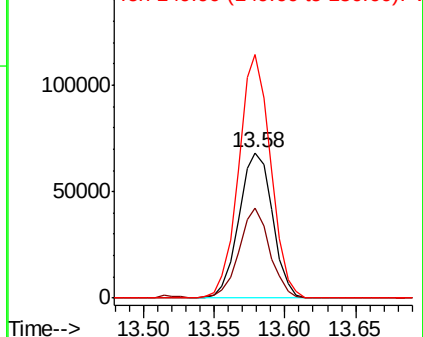
150 159.8 0.0 344.2

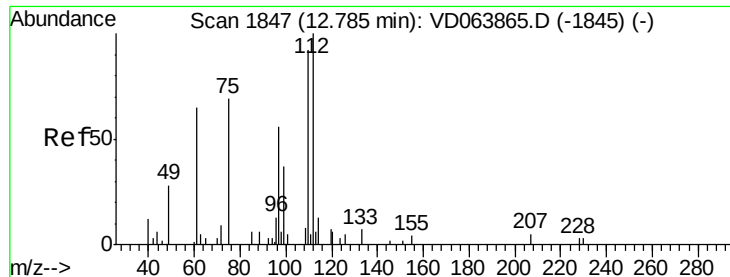


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

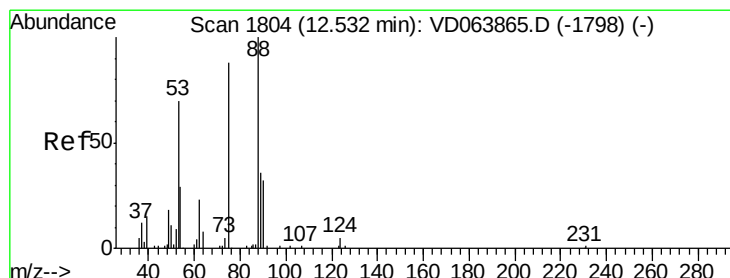
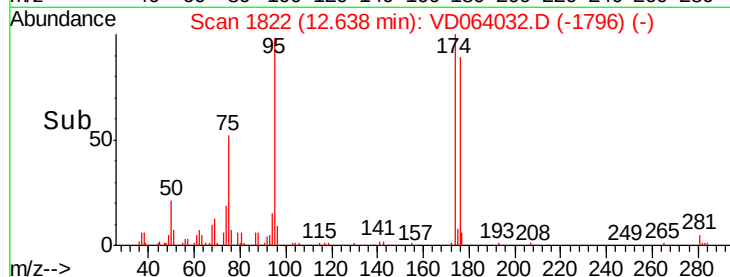
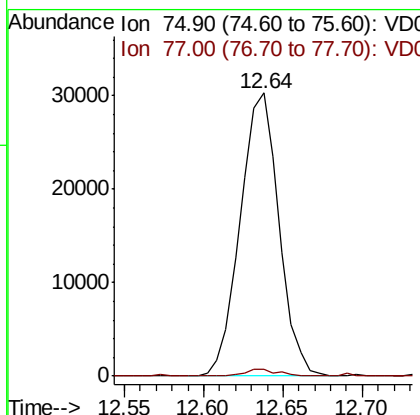
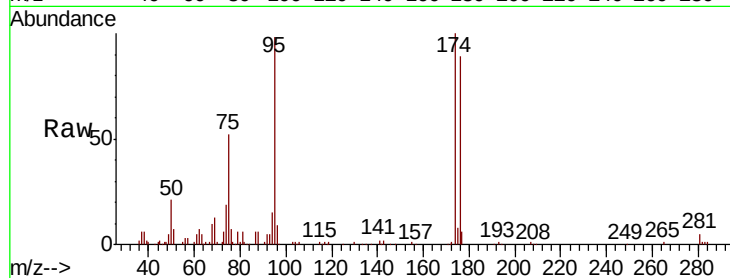




#76
 1,2,3-Trichloropropane
 Concen: 67.638 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

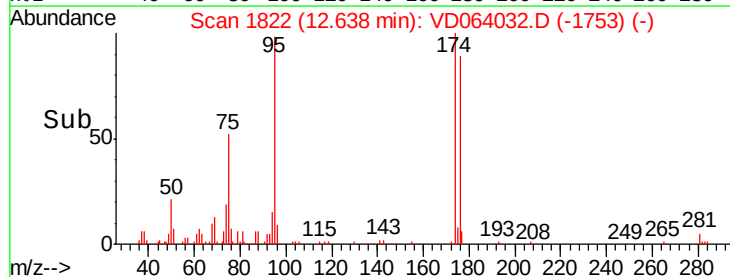
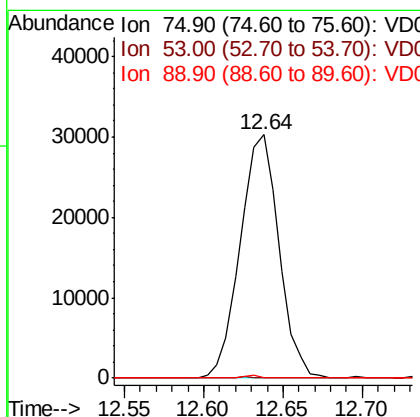
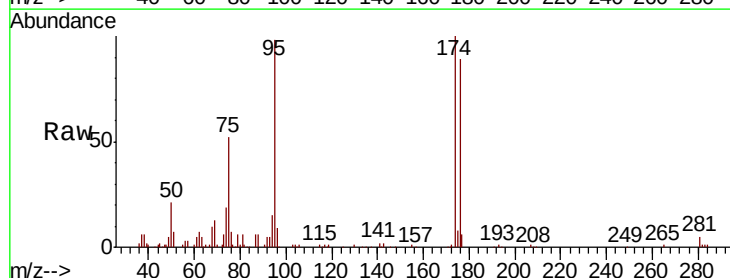
Instrument :
 MSVOA_D
 ClientSampleId :

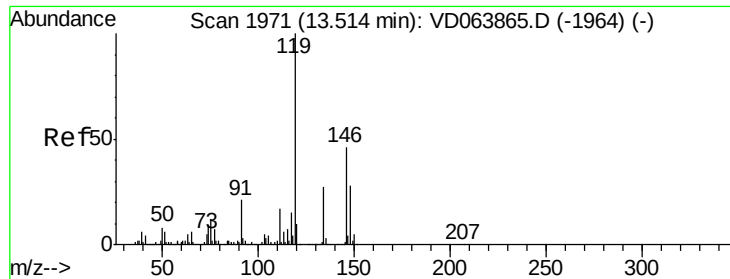
Tot Ion: 75 Resp: 51431
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.692 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Tgt Ion: 75 Resp: 51431
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.0 112.6#
 89 0.4 38.2 57.4#

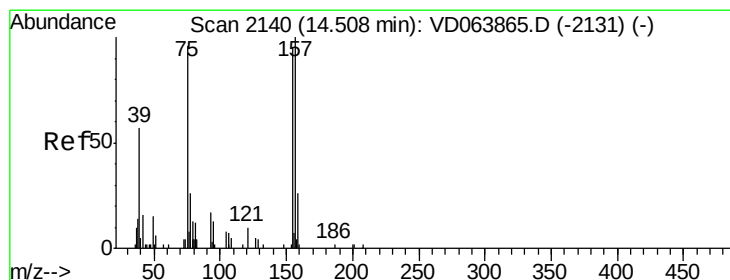
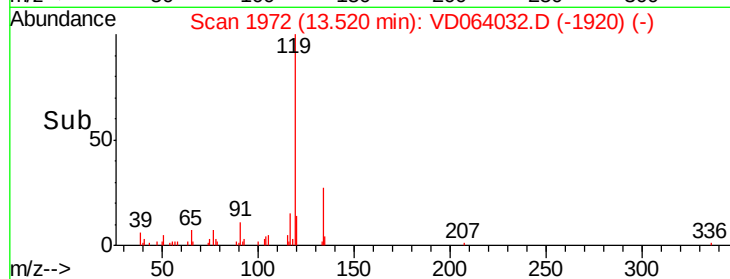
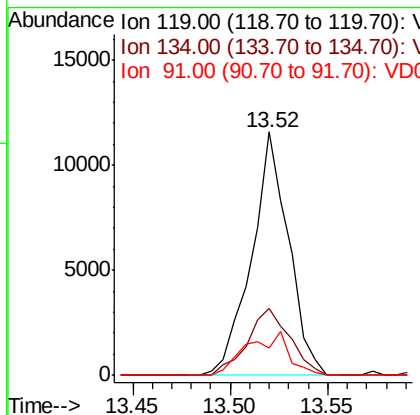
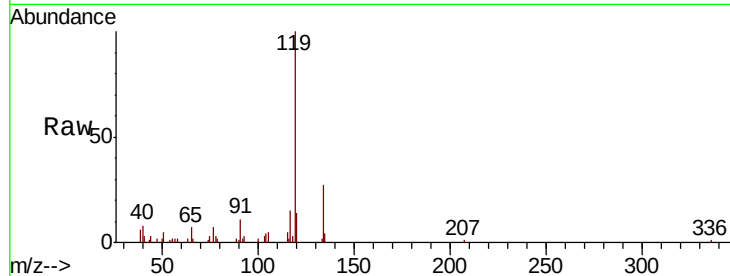




#86
 p-Isopropyltoluene
 Concen: 2.100 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.5	13.9	41.6
91	20.3	11.2	33.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.46 min Scan# 2132
 Delta R.T. -0.05 min
 Lab File: VD064032.D
 Acq: 23 Oct 2019 20:33

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

