

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063902.D
 Acq On : 10 Oct 2019 11:19
 Operator : VA/SY
 Sample : VD1010SBL01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:36:07 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	211682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	326316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	151269	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	102246	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.91	113	100652	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.34	98	415916	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.63	95	128109	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

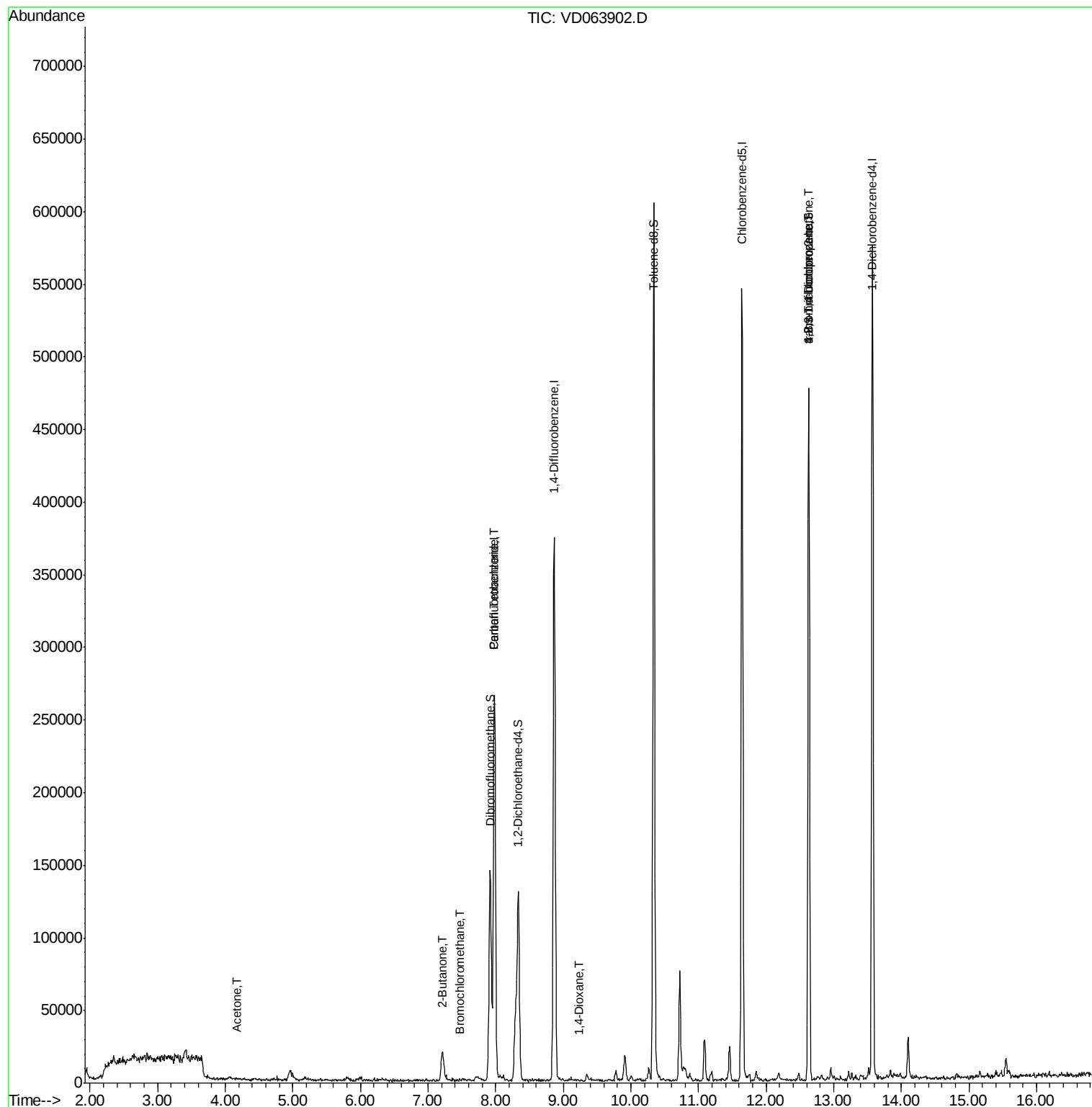
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	1205	Below Cal	#	81
11) Tert butyl alcohol	5.27	59	57	Below Cal	#	71
16) Acetone	4.17	43	1653	3.081	ug/l #	42
20) Methylene Chloride	4.96	84	4756	Below Cal	#	85
25) 2-Butanone	7.21	43	753	1.184	ug/l #	51
28) Bromochloromethane	7.46	49	95	1.929	ug/l #	10
31) Cyclohexane	7.98	56	5717	Below Cal	#	53
37) Ethyl Acetate	7.31	43	402	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	20470	6.789	ug/l #	21
49) 1,4-Dioxane	9.24	88	82	5.040	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	70731	69.812	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	70731	123.540	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	137	Below Cal	#	1

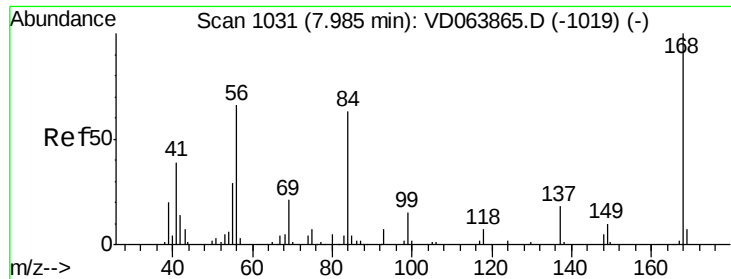
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063902.D

Acq: 10 Oct 2019 11:19

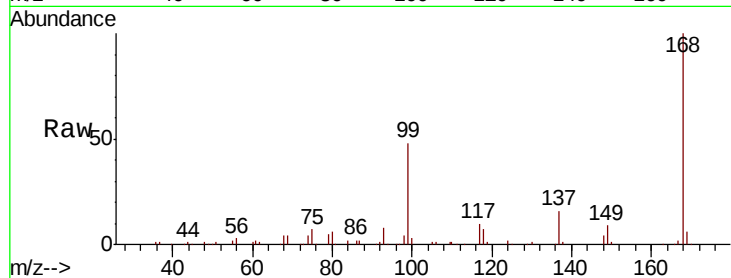
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 211682

Ion Ratio Lower Upper

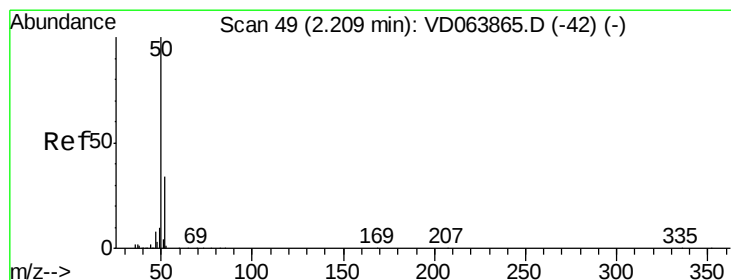
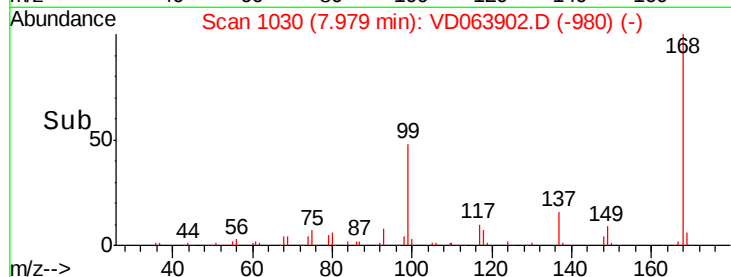
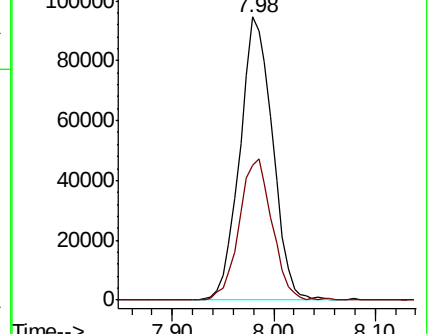
168 100

99 47.5 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: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063902.D

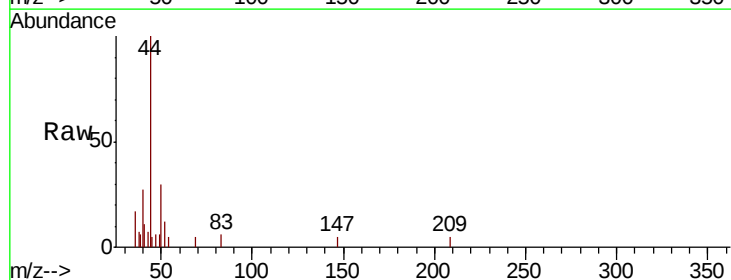
Acq: 10 Oct 2019 11:19

Tgt Ion: 50 Resp: 1205

Ion Ratio Lower Upper

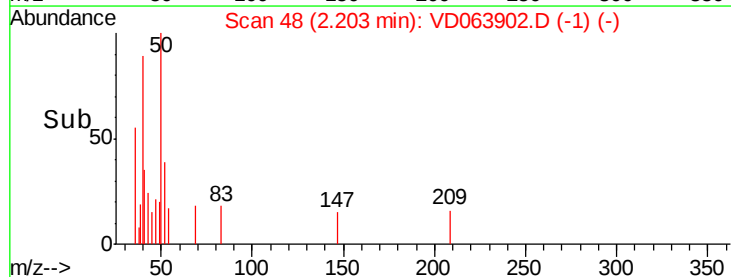
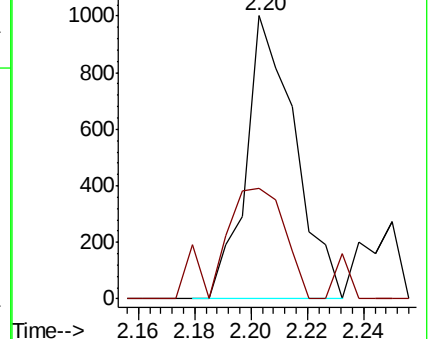
50 100

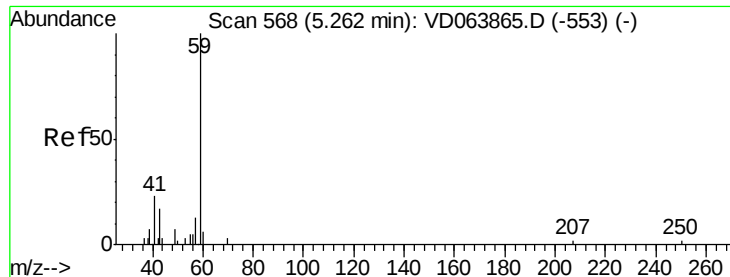
52 23.2 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



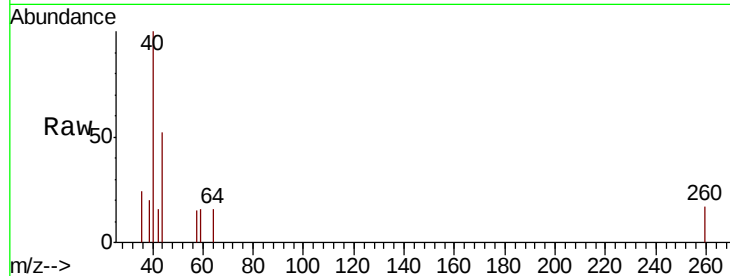


#11

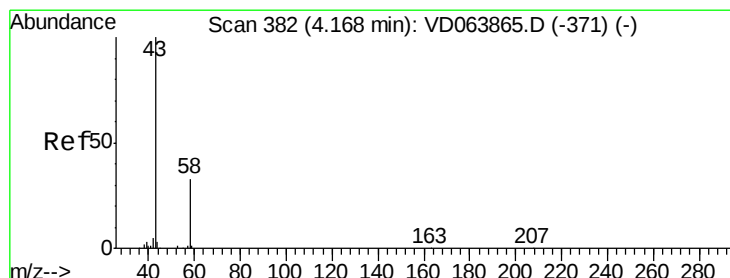
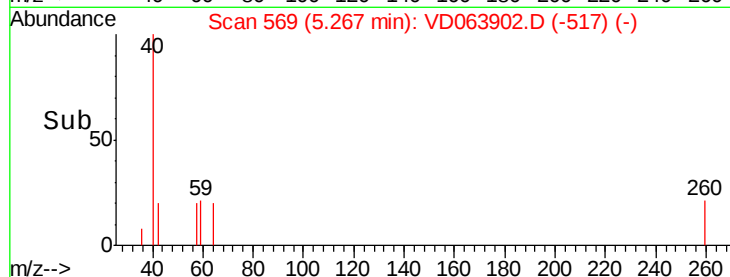
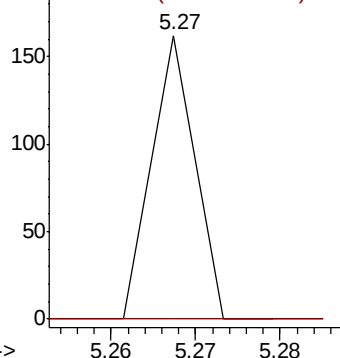
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

Instrument :
 MSVOA_D
 ClientSampled :

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



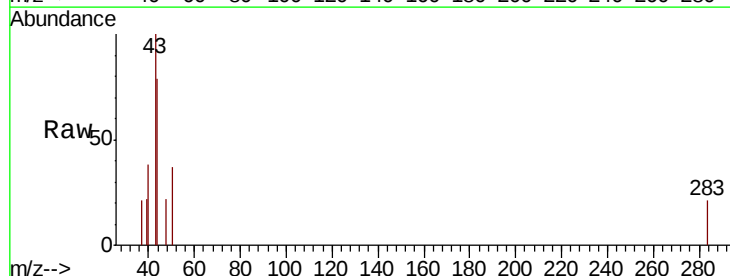
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



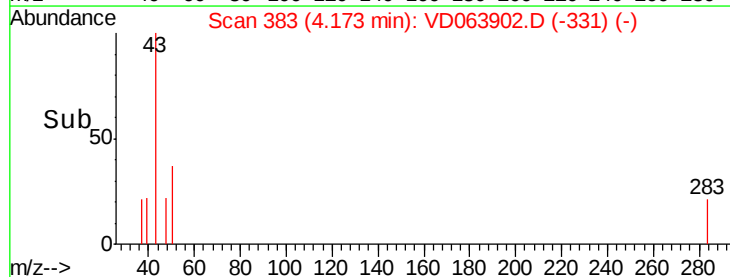
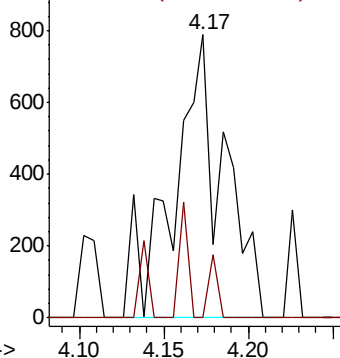
#16

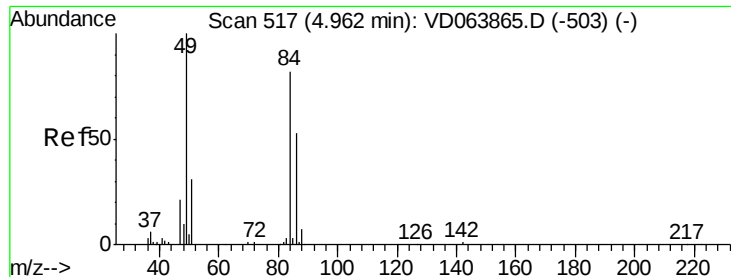
Acetone
 Concen: 3.081 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

Tgt Ion: 43 Resp: 1653
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

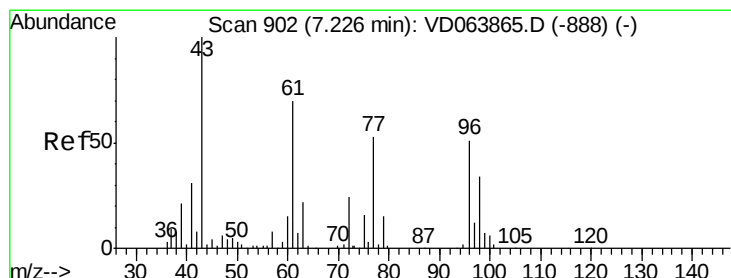
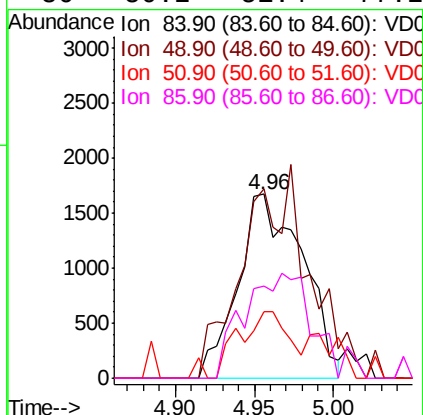
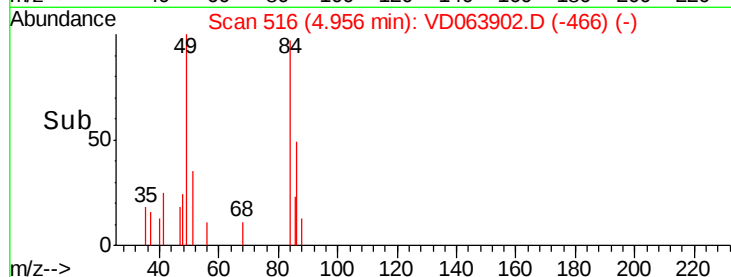
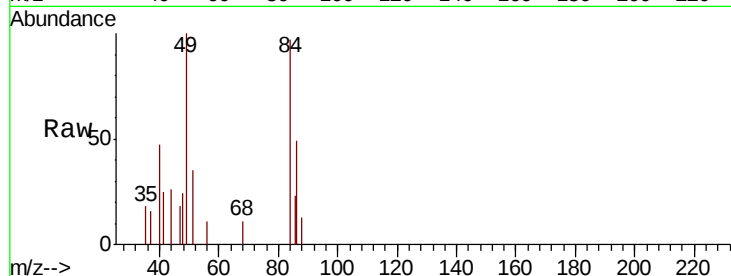




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

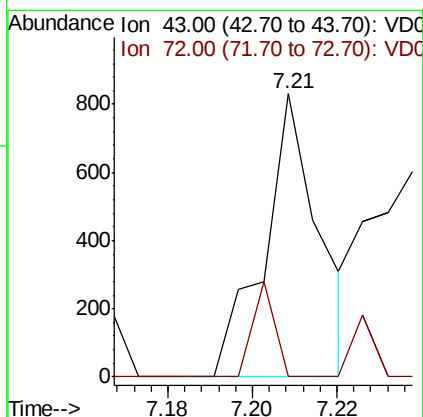
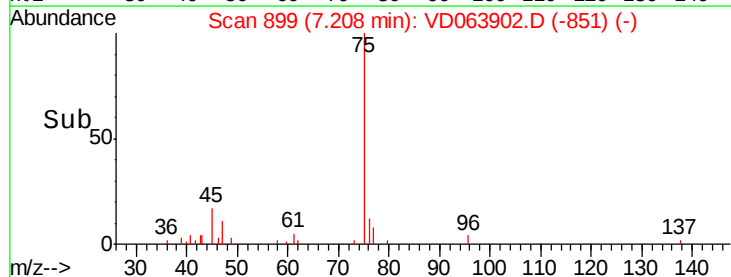
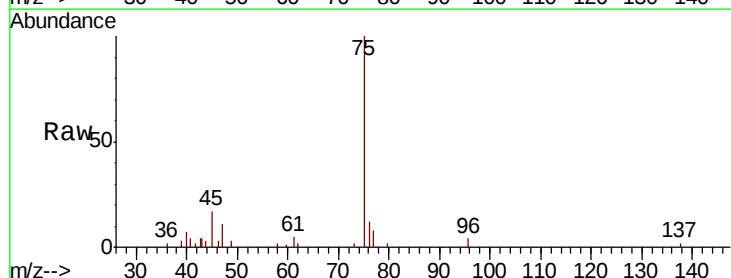
Instrument :
MSVOA_D
ClientSampleId :

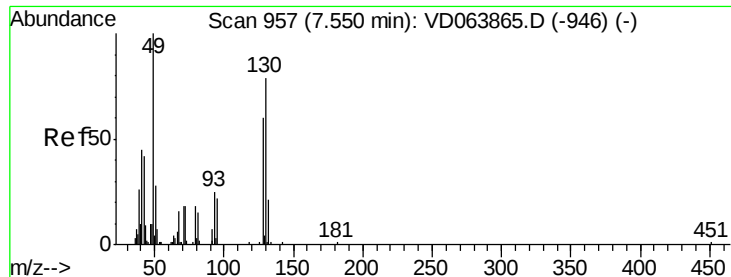
Tot Ion: 84 Resp: 4756
Ion Ratio Lower Upper
84 100
49 102.8 97.3 145.9
51 36.1 30.1 45.1
86 50.2 51.4 77.2#



#25
2-Butanone
Concen: 1.184 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.02 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#28

Bromochloromethane

Concen: 1.929 ug/l

RT: 7.46 min Scan# 942

Delta R.T. -0.09 min

Lab File: VD063902.D

Acq: 10 Oct 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

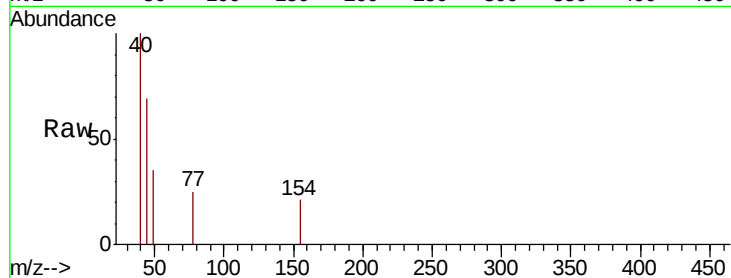
Tot Ion: 49 Resp: 95

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

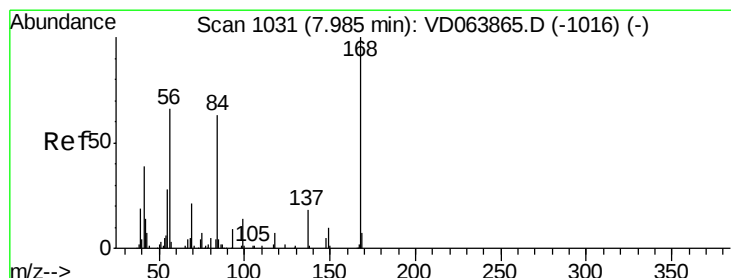
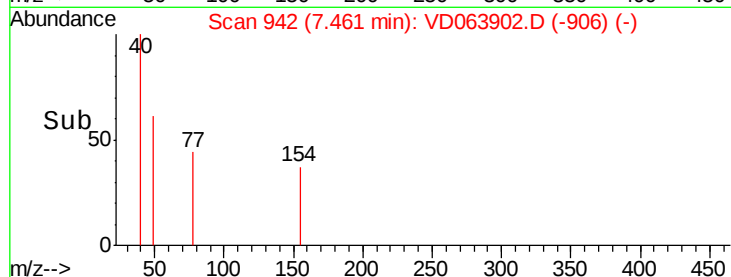
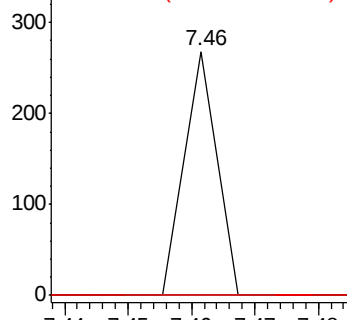
130 0.0 66.8 100.2#



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: VD063902.D

Acq: 10 Oct 2019 11:19

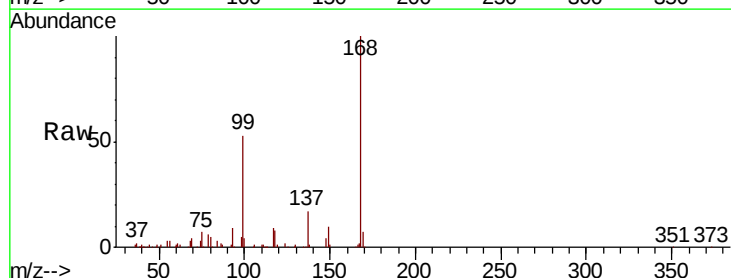
Tgt Ion: 56 Resp: 5717

Ion Ratio Lower Upper

56 100

69 129.0 25.0 37.4#

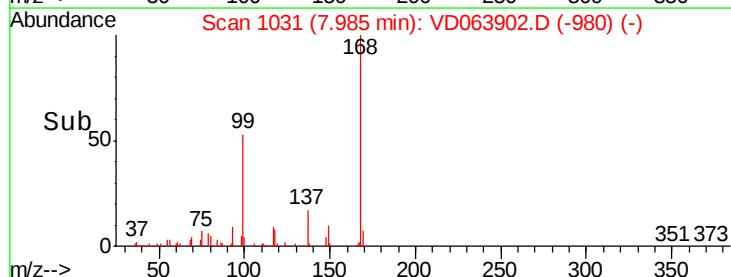
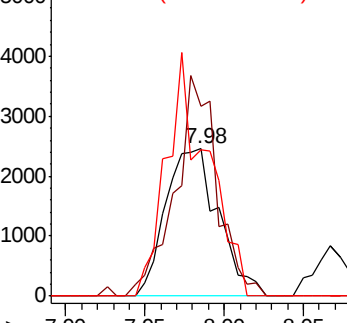
84 99.4 76.3 114.5

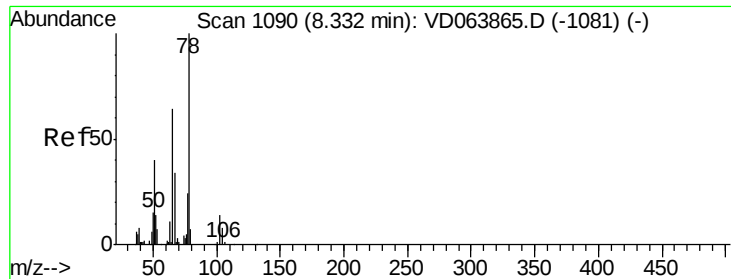


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

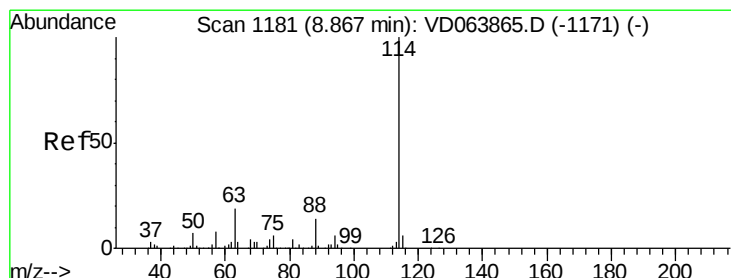
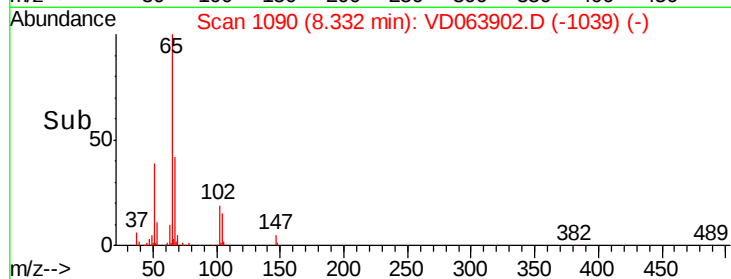
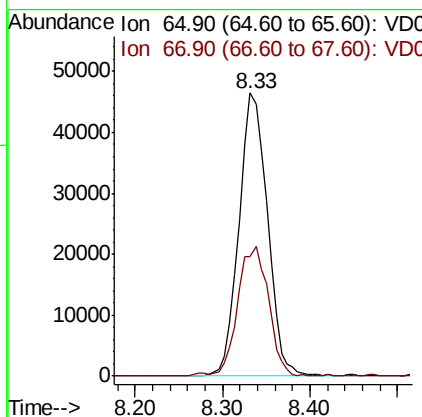
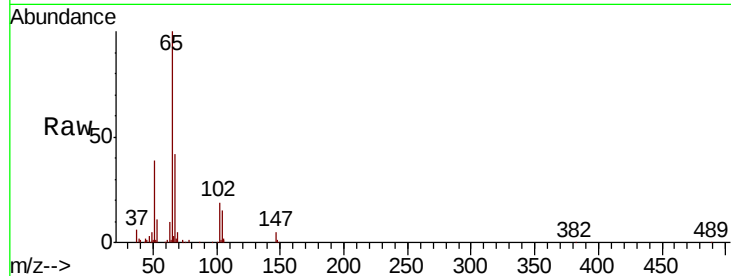




#33
 1,2-Dichloroethane-d4
 Concen: 49.613 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

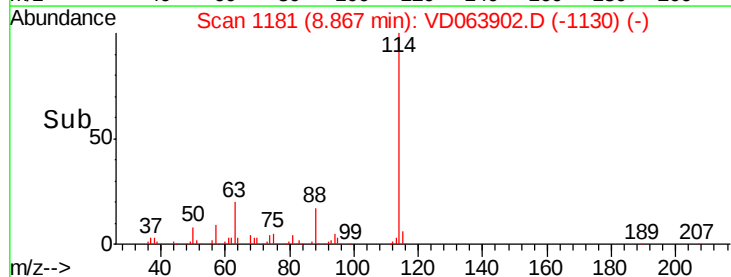
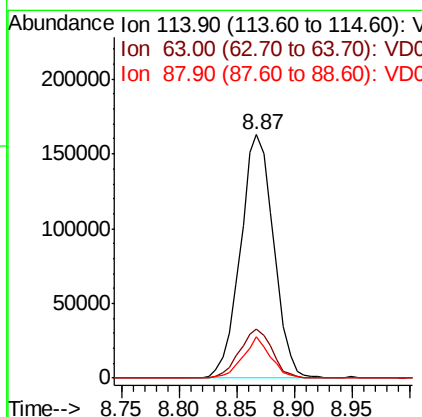
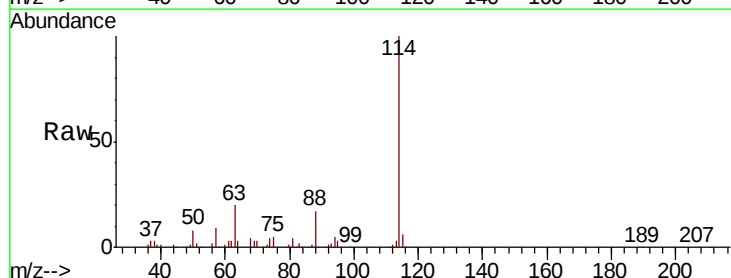
Instrument :
 MSVOA_D
 ClientSampled :

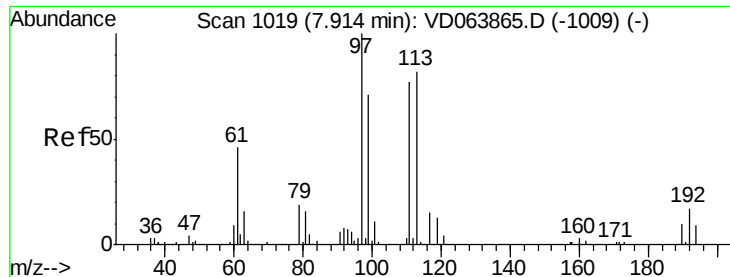
Tot Ion: 65 Resp: 102246
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

Tgt Ion: 114 Resp: 326316
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 17.0 0.0 27.4

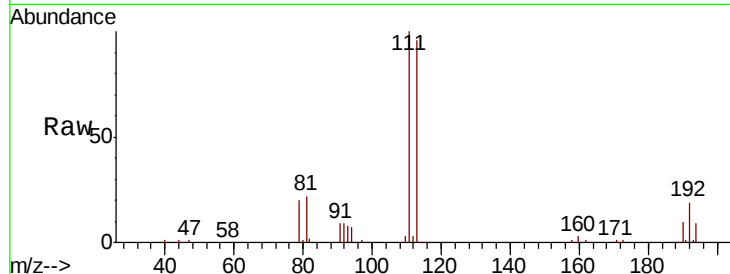




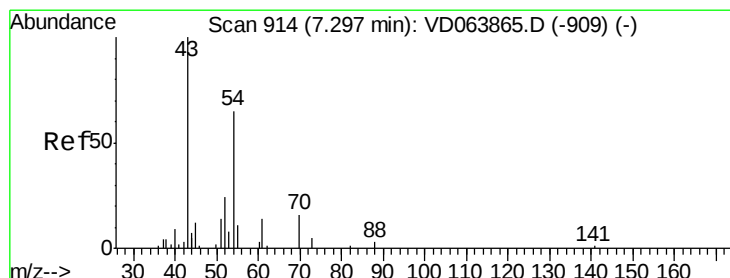
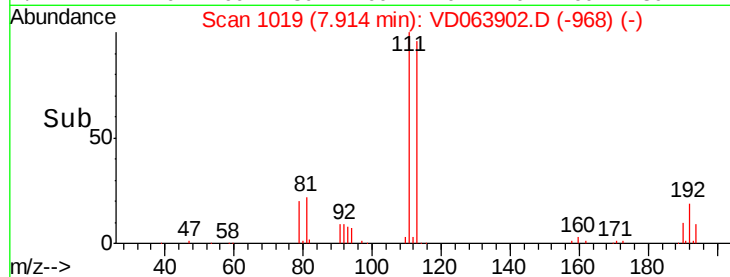
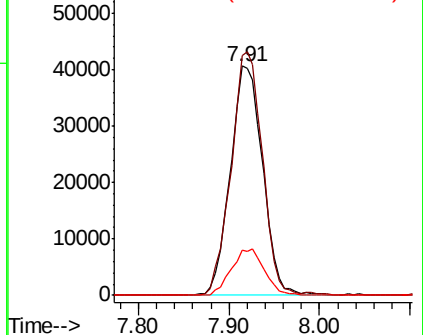
#35
Dibromofluoromethane
Concen: 50.472 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 100652
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 20.6 17.1 25.7

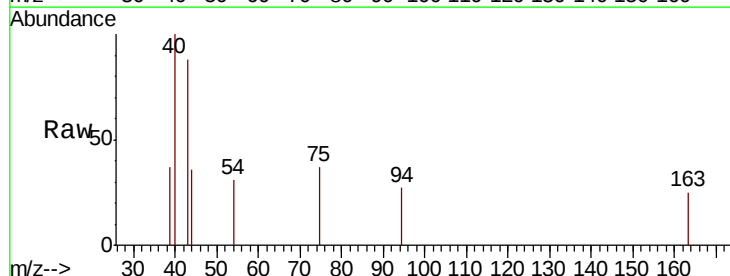


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

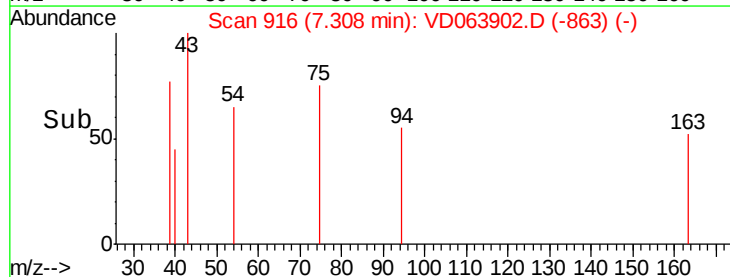
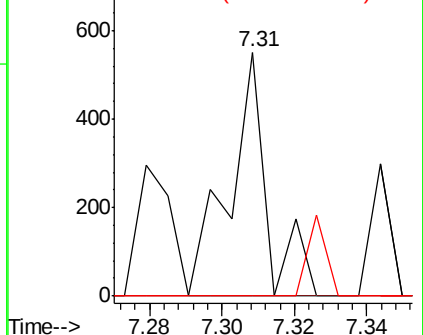


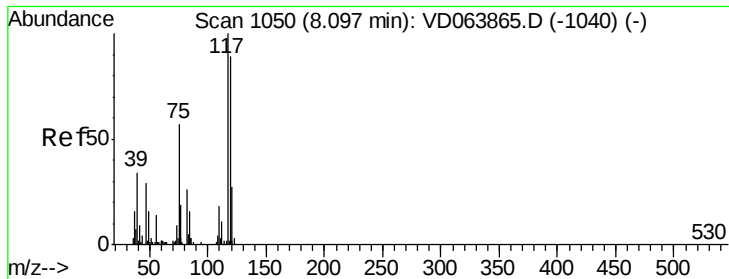
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Tgt Ion: 43 Resp: 402
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

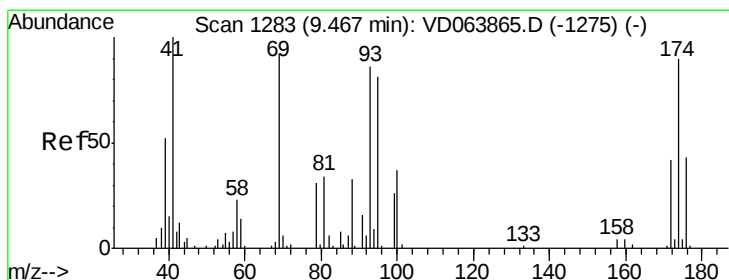
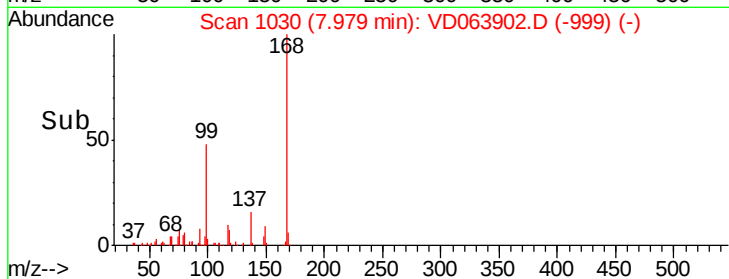
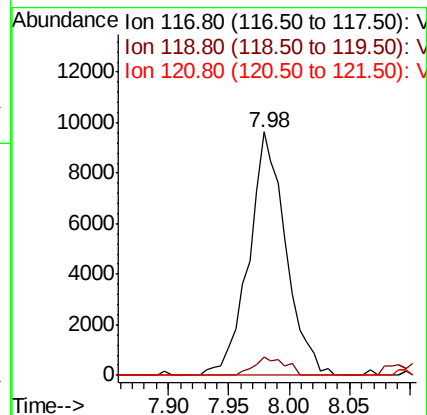
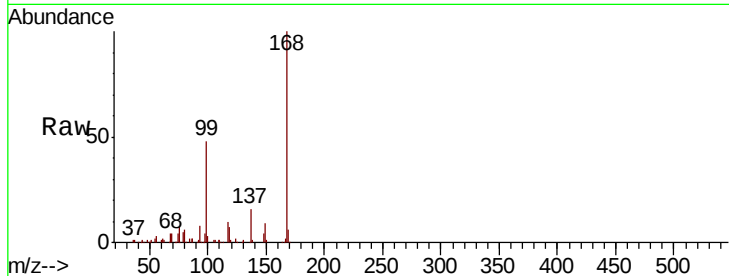




#38
Carbon Tetrachloride
Concen: 6.789 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

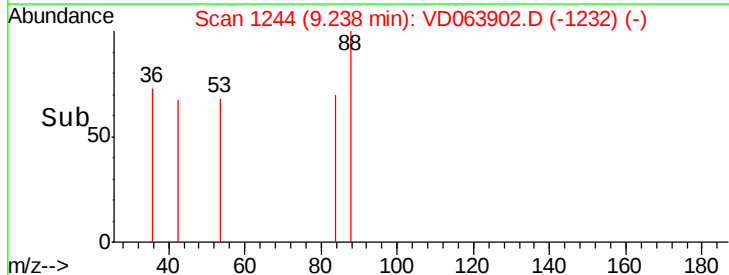
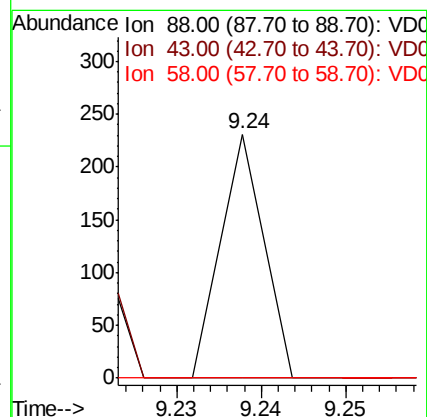
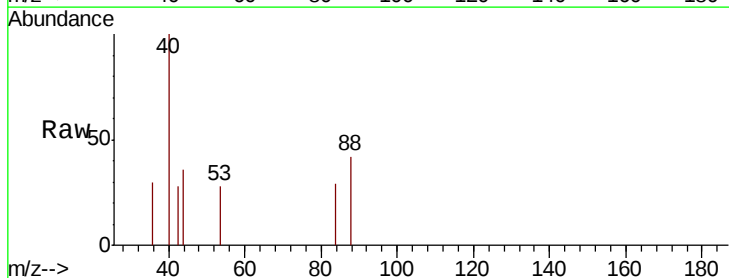
Instrument :
MSVOA_D
ClientSampled :

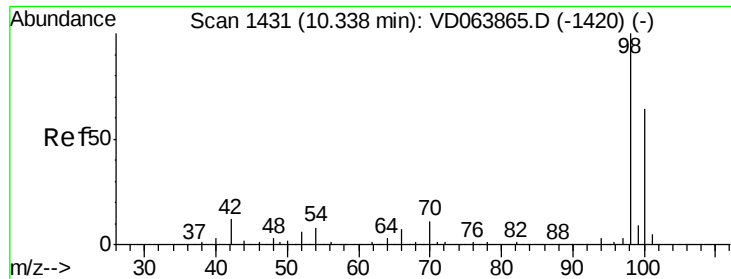
Tot Ion:117 Resp: 20470
Ion Ratio Lower Upper
117 100
119 7.4 70.8 106.2#
121 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 5.040 ug/l
RT: 9.24 min Scan# 1244
Delta R.T. -0.23 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#

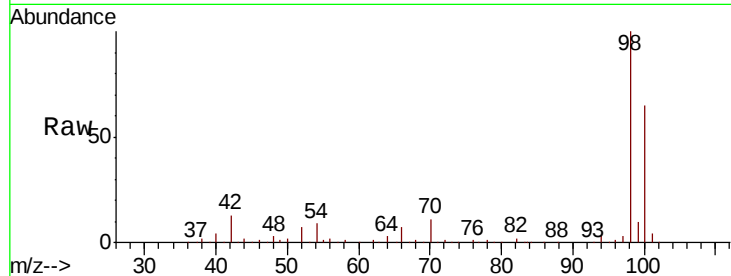




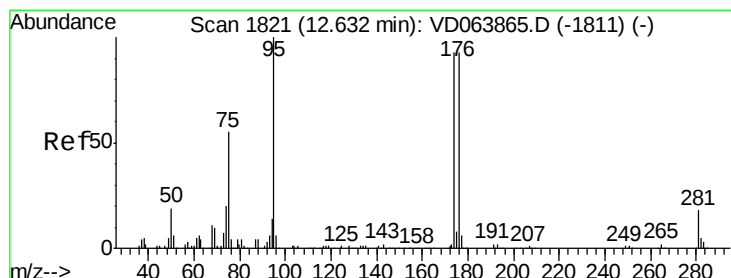
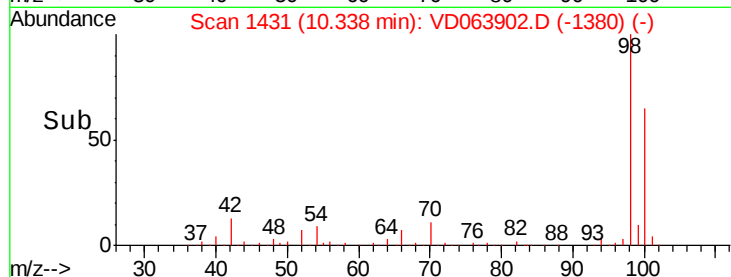
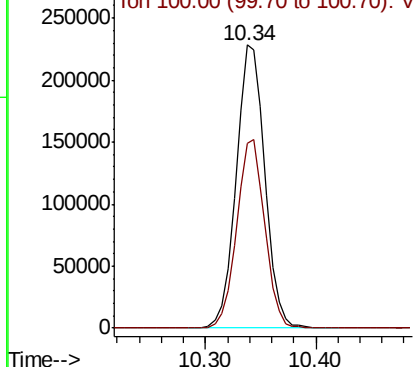
#50
Toluene-d8
Concen: 51.384 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 415916
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

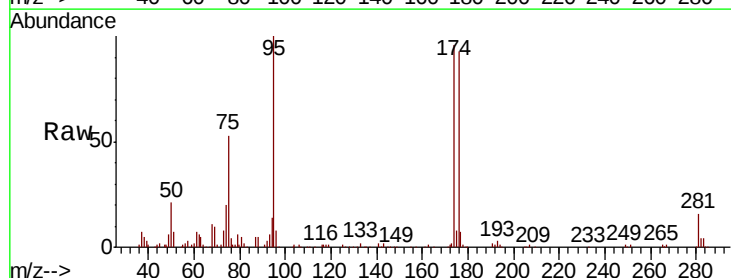


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

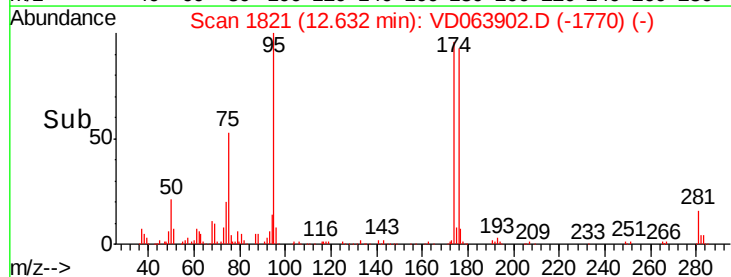
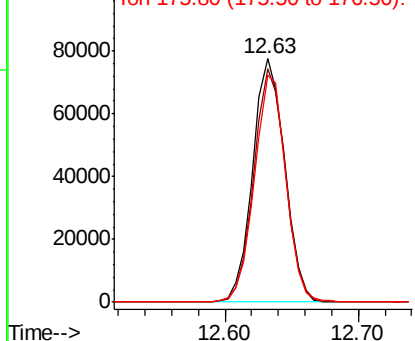


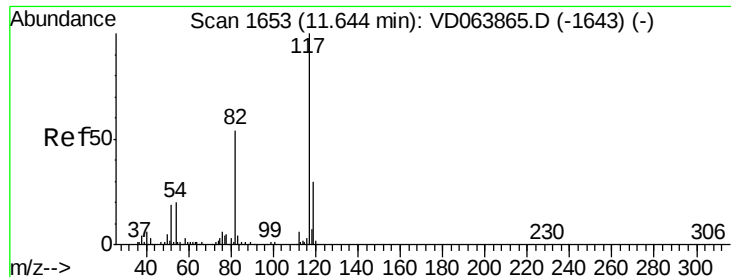
#62
4-Bromofluorobenzene
Concen: 45.546 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Tgt Ion: 95 Resp: 128109
Ion Ratio Lower Upper
95 100
174 94.1 0.0 186.4
176 91.5 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

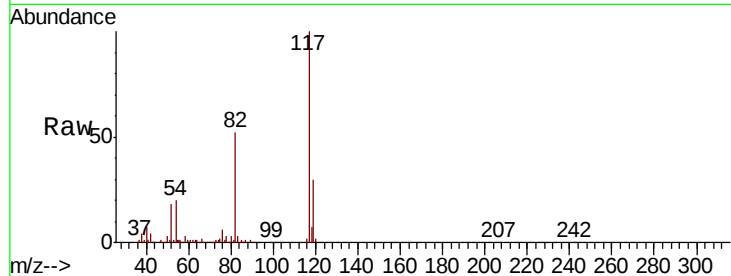




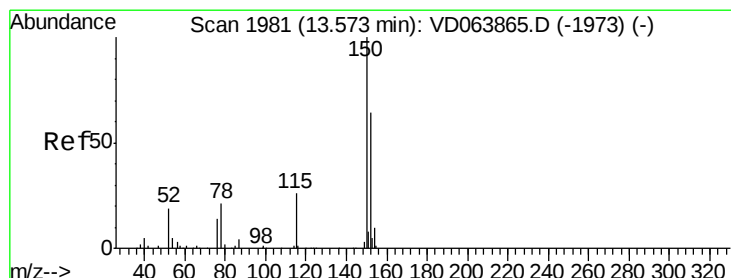
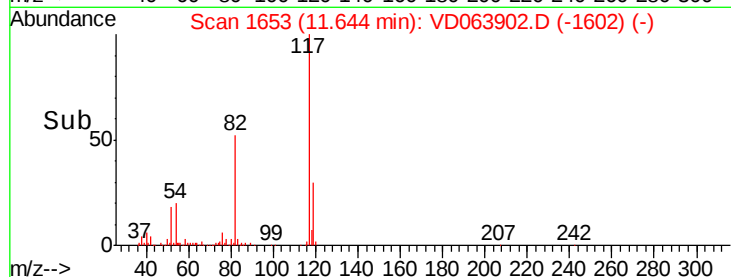
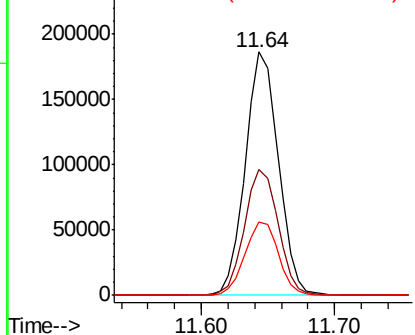
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.8	64.2
119	30.0	24.4	36.6

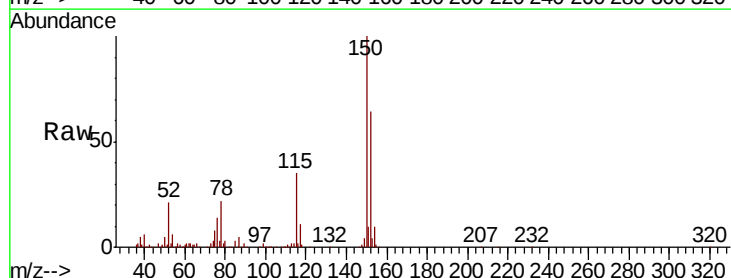


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

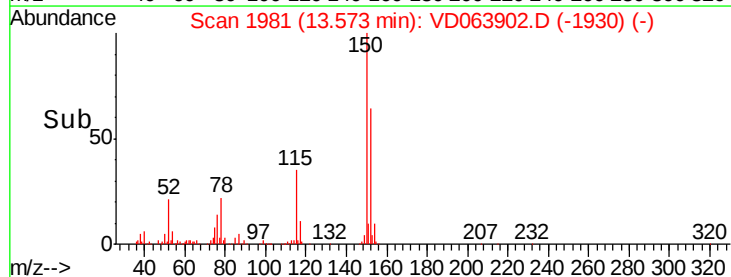
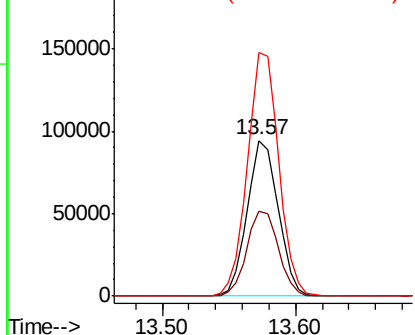


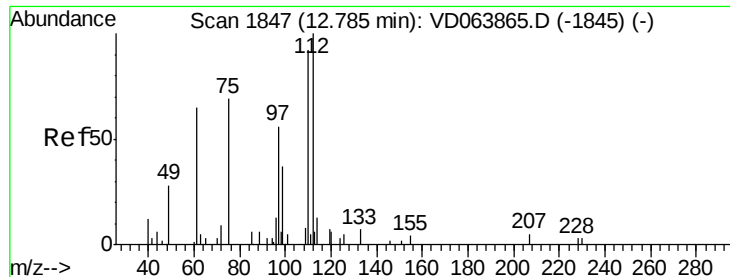
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063902.D
Acq: 10 Oct 2019 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	25.9	77.7
150	158.0	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

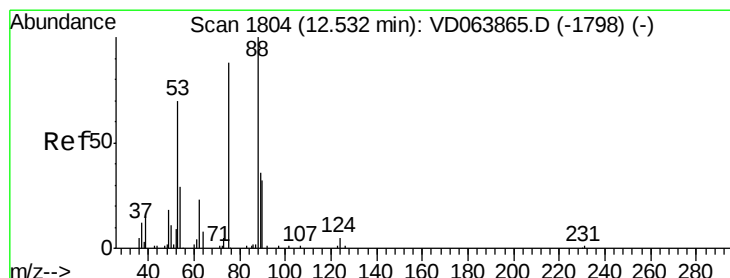
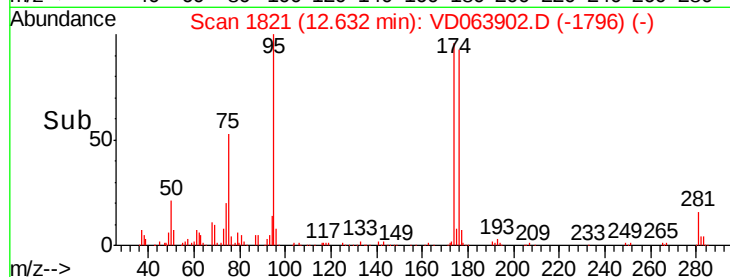
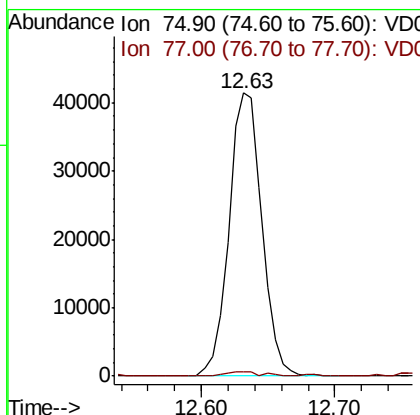
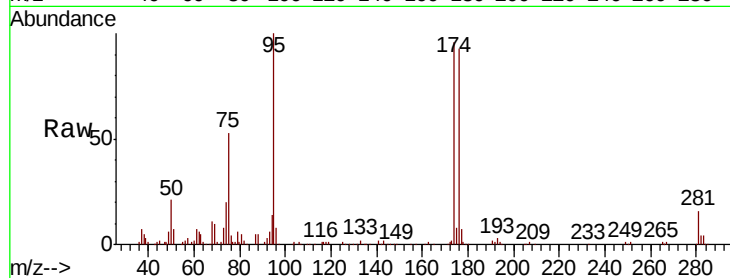




#76
 1,2,3-Trichloropropane
 Concen: 69.812 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

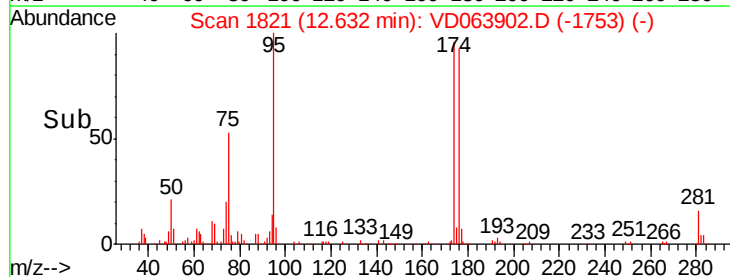
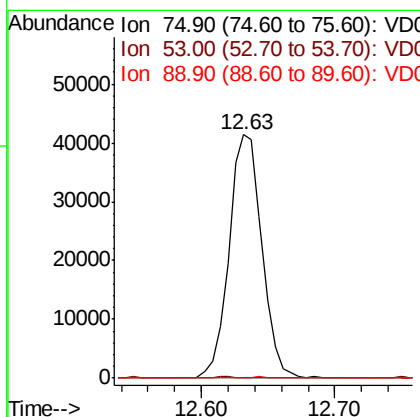
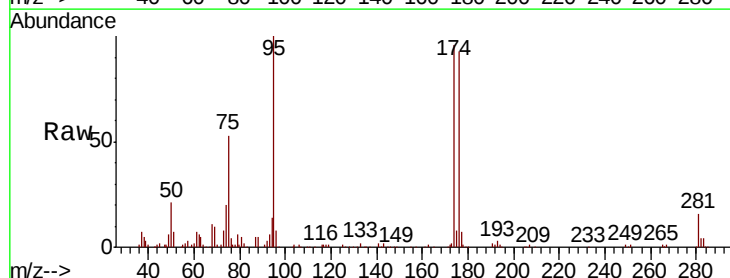
Instrument :
 MSVOA_D
 ClientSampleId :

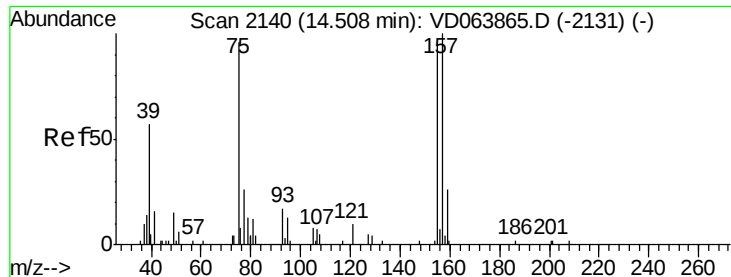
Tot Ion: 75 Resp: 70731
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.540 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

Tgt Ion: 75 Resp: 70731
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.0 112.6#
 89 0.1 38.2 57.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063902.D
 Acq: 10 Oct 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 137
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.9 131.6#
 157 0.0 56.0 167.9#

