

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063910.D
 Acq On : 10 Oct 2019 15:13
 Operator : VA/SY
 Sample : K5300-03
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:39:13 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	143205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	241691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	236346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118440	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	78366	56.21	ug/l	0.00
Spiked Amount						
			Recovery	=	112.42%	
35) Dibromofluoromethane	7.93	113	75380	51.03	ug/l	0.01
Spiked Amount						
			Recovery	=	102.06%	
50) Toluene-d8	10.34	98	309622	51.65	ug/l	0.00
Spiked Amount						
			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.63	95	96113	46.14	ug/l	0.00
Spiked Amount						
			Recovery	=	92.28%	

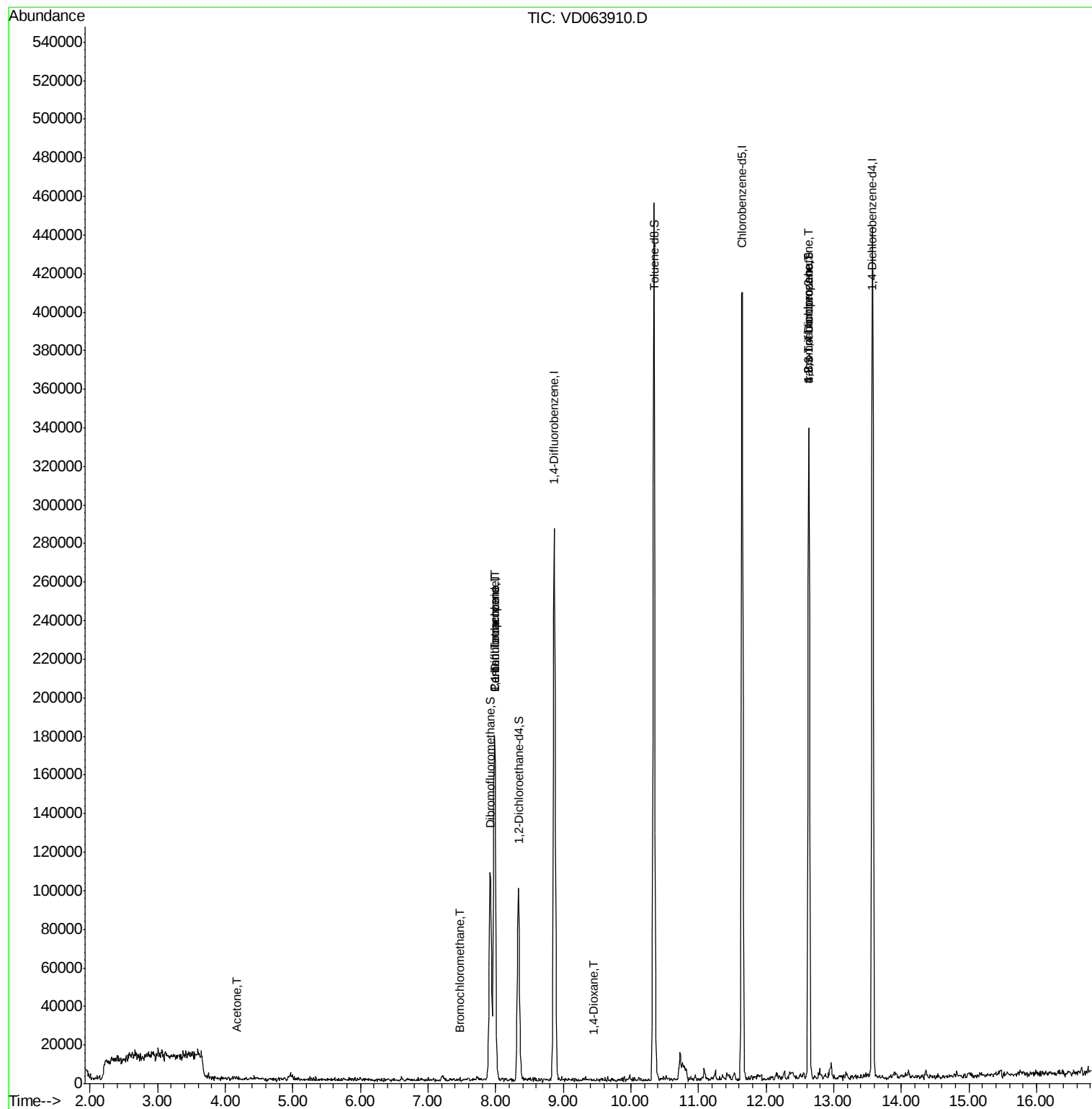
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	577	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	80	Below Cal	#	1
16) Acetone	4.17	43	1002	2.760	ug/l #	42
20) Methylene Chloride	4.96	84	2636	Below Cal	#	68
28) Bromochloromethane	7.47	49	65	1.930	ug/l #	10
31) Cyclohexane	7.99	56	3424	Below Cal	#	43
36) 1,1-Dichloropropene	7.98	75	10809	4.891	ug/l #	52
37) Ethyl Acetate	7.33	43	61	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14733	6.597	ug/l #	19
49) 1,4-Dioxane	9.45	88	55	4.564	ug/l #	37
76) 1,2,3-Trichloropropane	12.64	75	54413	68.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	54413	121.381	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.39	75	265	Below Cal	#	10

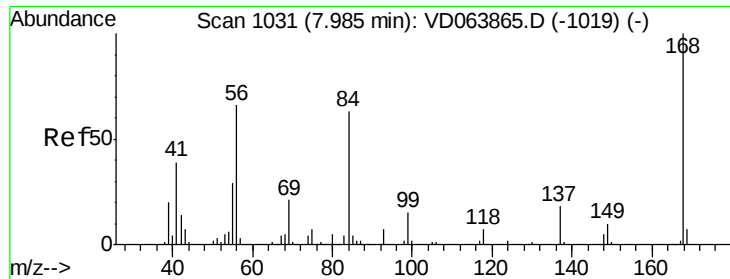
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101019\
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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: VD063910.D

Acq: 10 Oct 2019 15:13

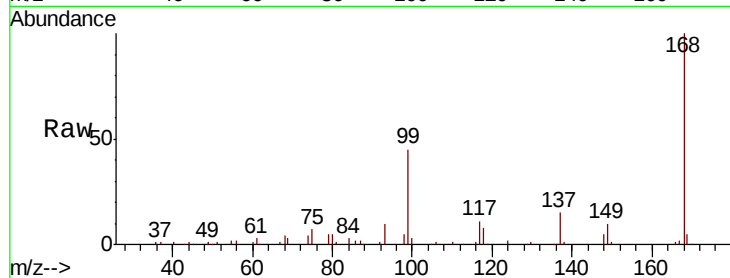
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 143205

Ion Ratio Lower Upper

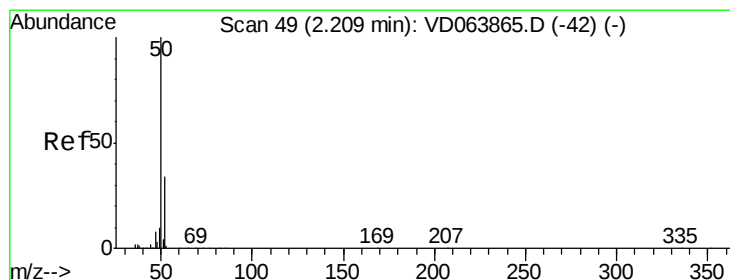
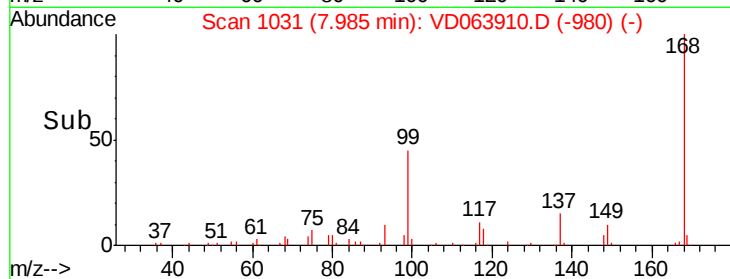
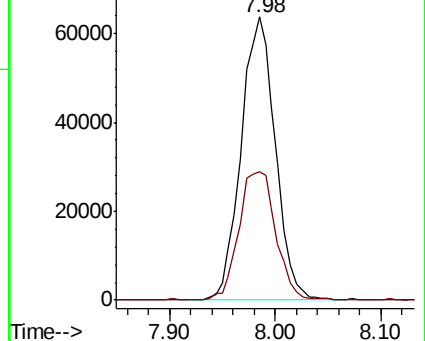
168 100

99 45.5 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: VD063910.D

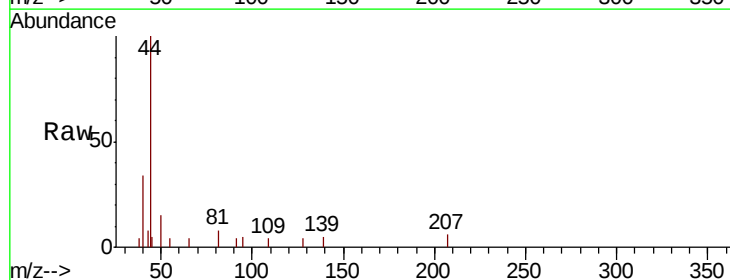
Acq: 10 Oct 2019 15:13

Tgt Ion: 50 Resp: 577

Ion Ratio Lower Upper

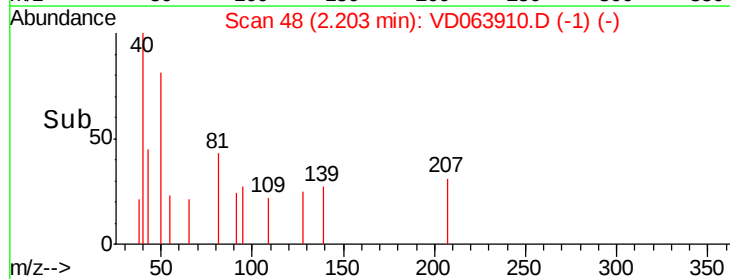
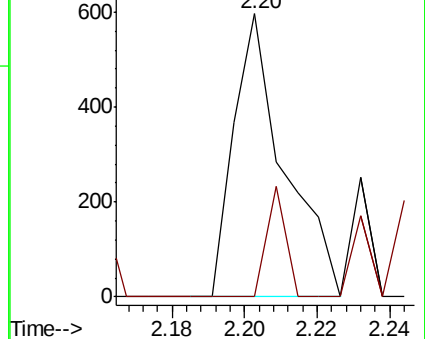
50 100

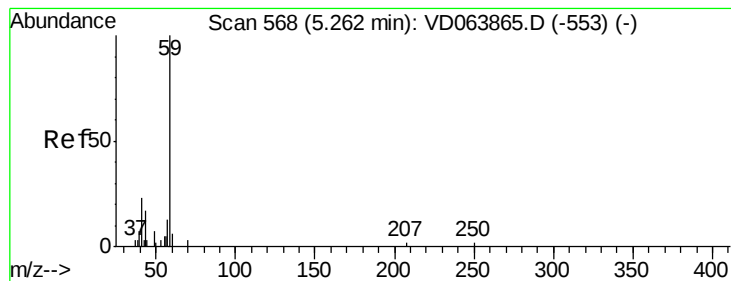
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



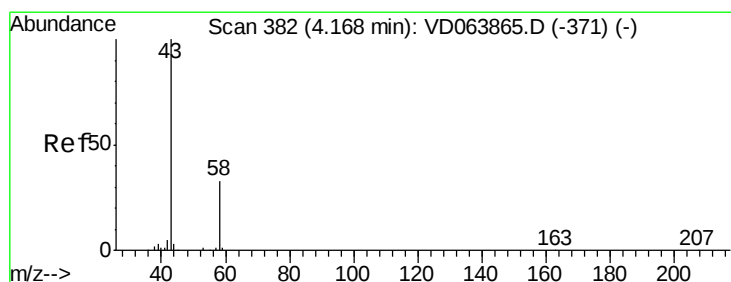
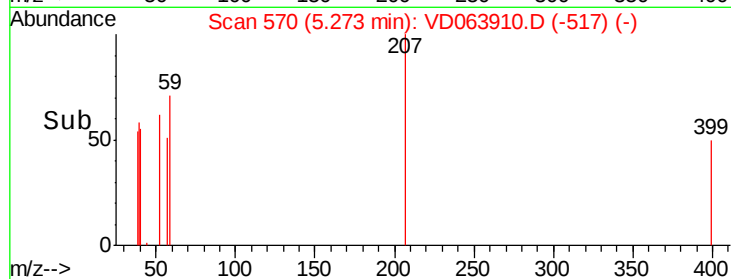
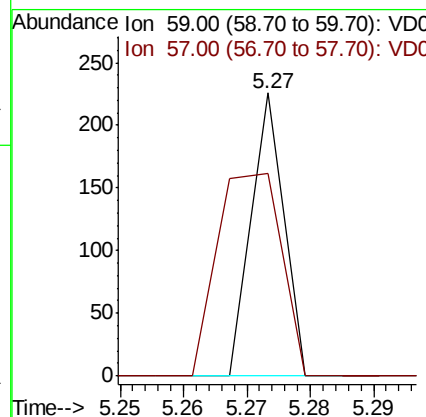
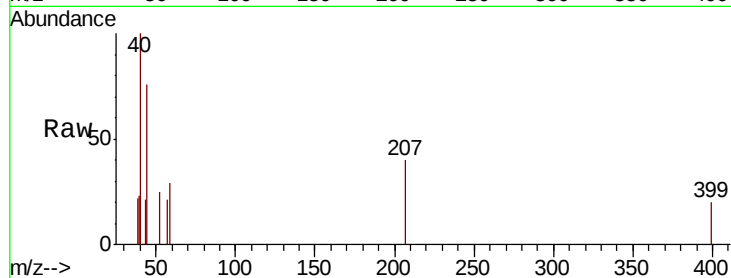


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :

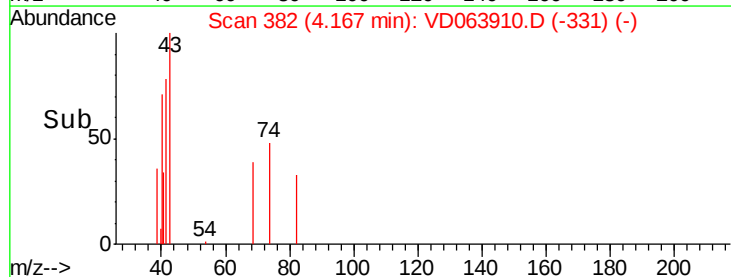
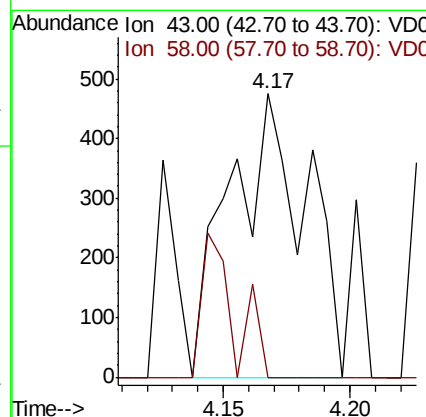
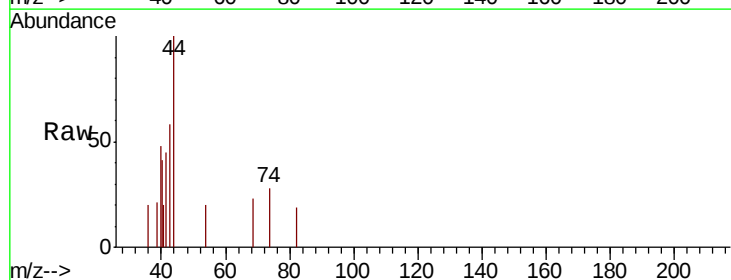
Tot Ion: 59 Resp: 80
 Ion Ratio Lower Upper
 59 100
 57 141.3 8.8 13.2#

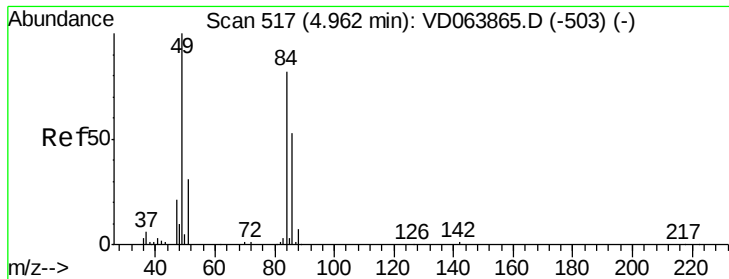


#16

Acetone
 Concen: 2.760 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Tgt Ion: 43 Resp: 1002
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

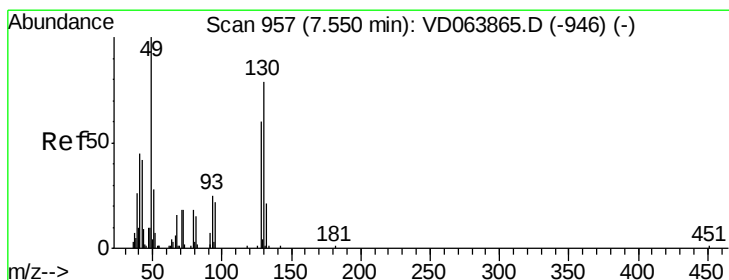
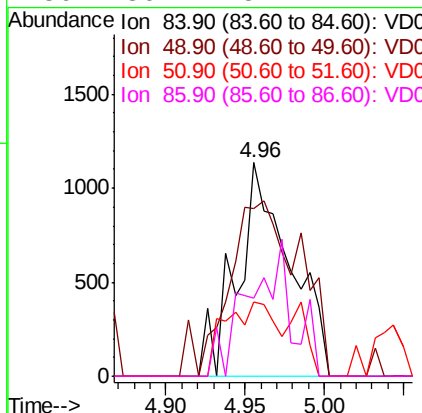
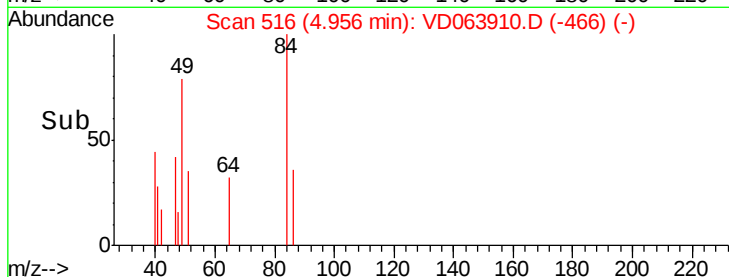
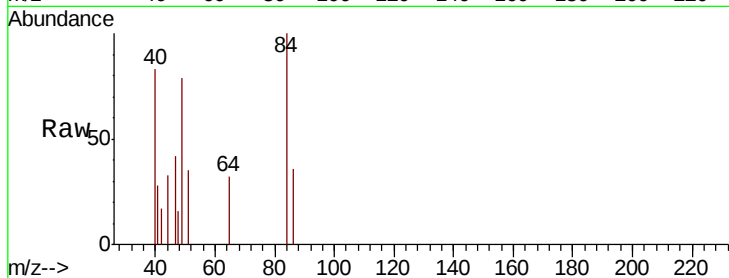




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

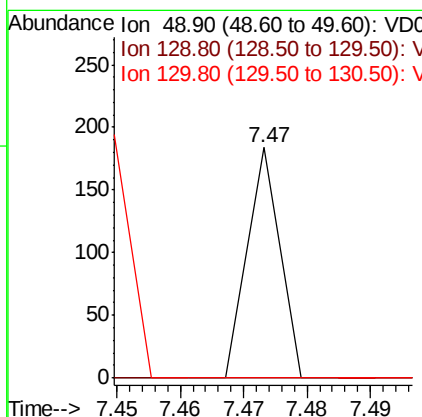
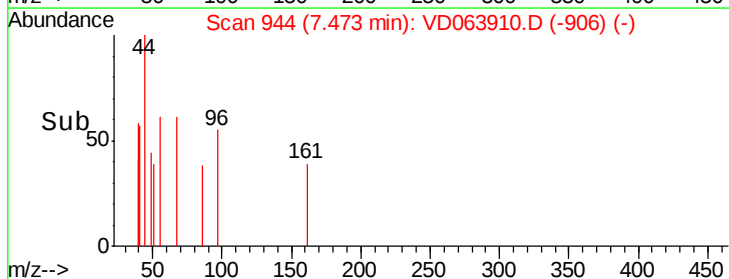
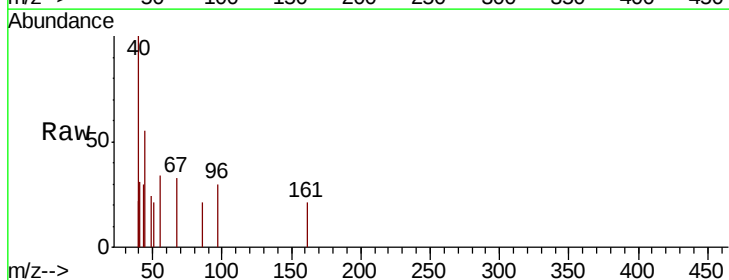
Instrument :
MSVOA_D
ClientSampleId :

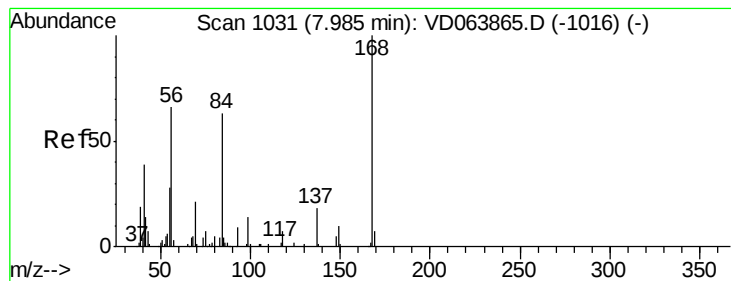
Tot Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
49 78.6 97.3 145.9#
51 34.6 30.1 45.1
86 36.4 51.4 77.2#



#28
Bromochloromethane
Concen: 1.930 ug/l
RT: 7.47 min Scan# 944
Delta R.T. -0.08 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

Tgt Ion: 49 Resp: 65
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: 7.99 min Scan# 1032

Delta R.T. 0.01 min

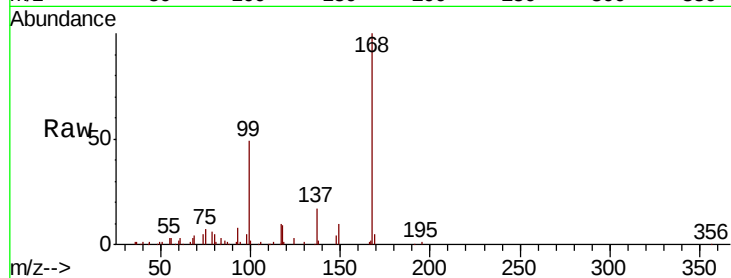
Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

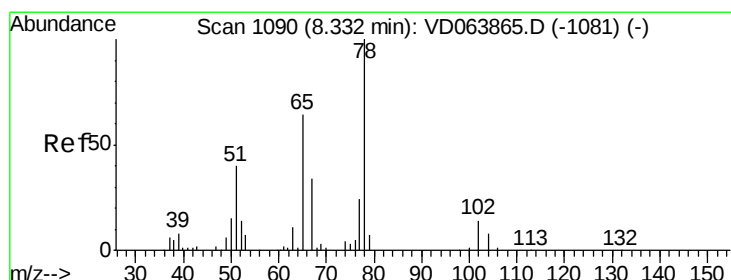
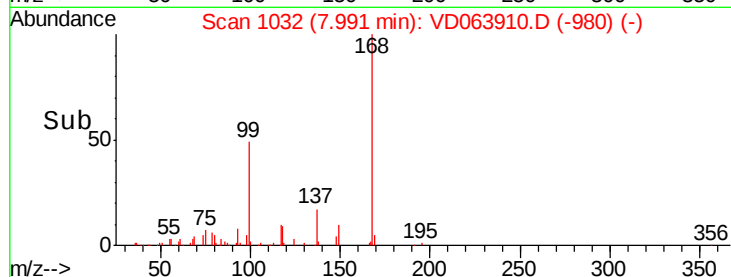
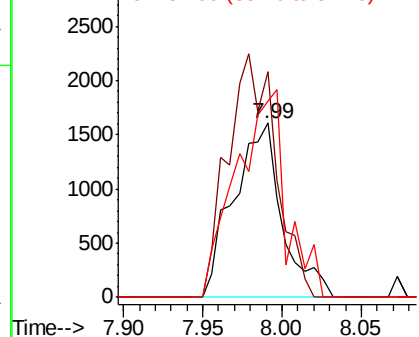
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3424

Ion	Ratio	Lower	Upper
56	100		
69	129.6	25.0	37.4#
84	112.8	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: 56.208 ug/l

RT: 8.34 min Scan# 1091

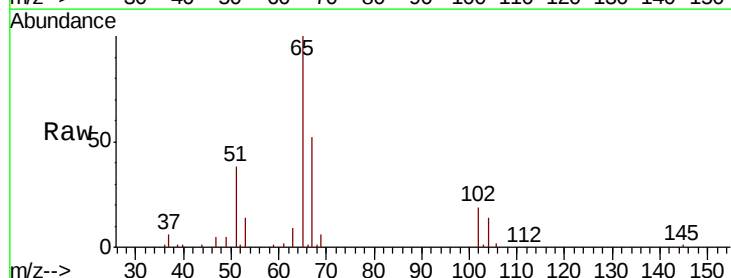
Delta R.T. 0.01 min

Lab File: VD063910.D

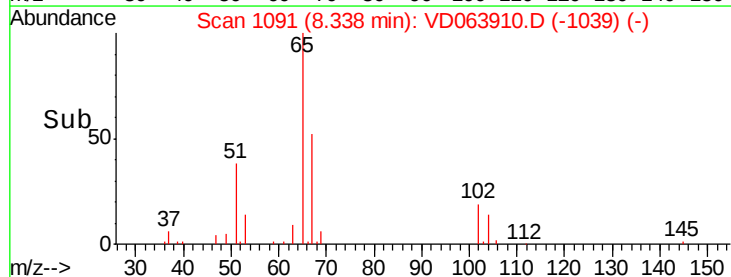
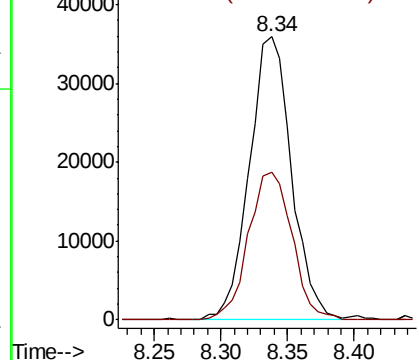
Acq: 10 Oct 2019 15:13

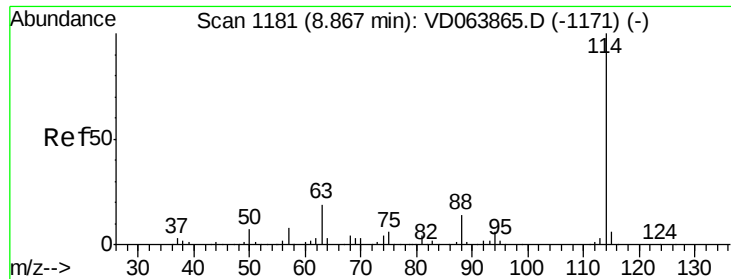
Tgt Ion: 65 Resp: 78366

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.4



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

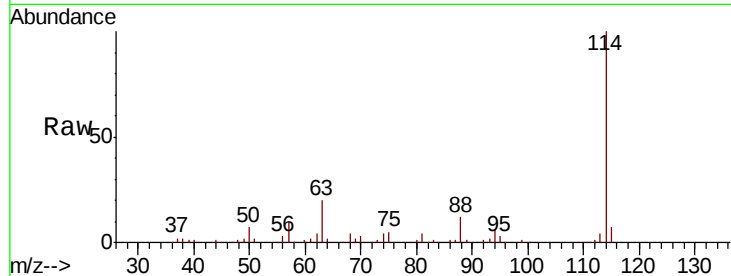




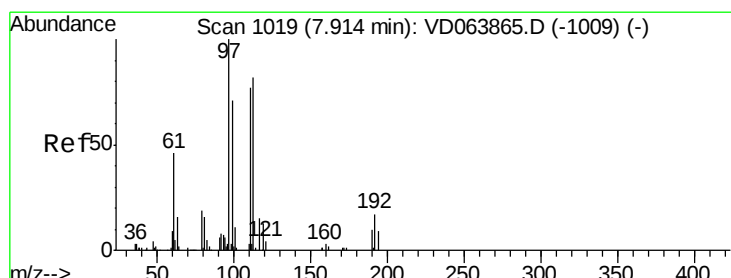
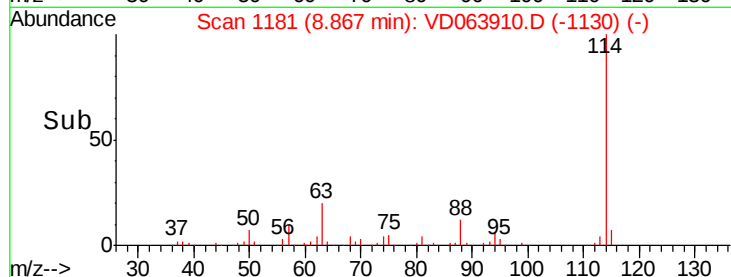
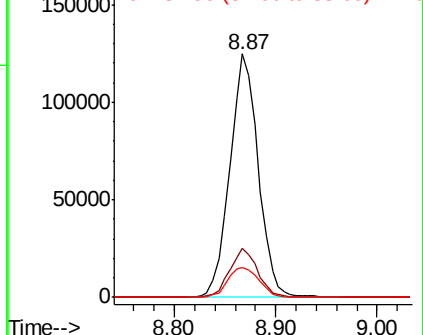
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 241691
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.4
 88 12.2 0.0 27.4

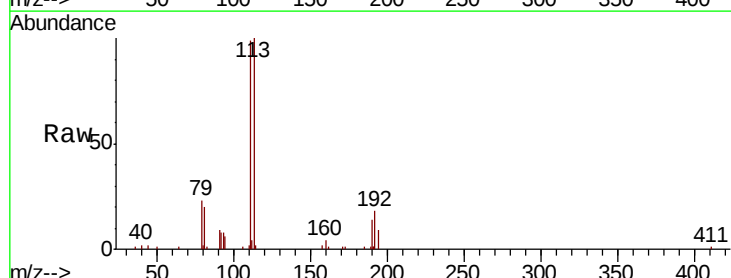


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

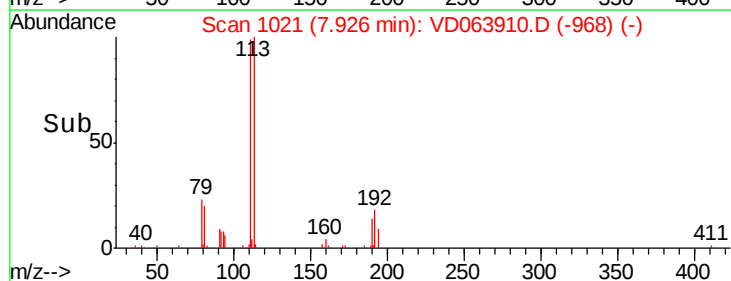
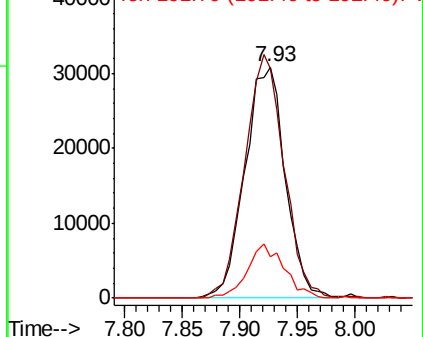


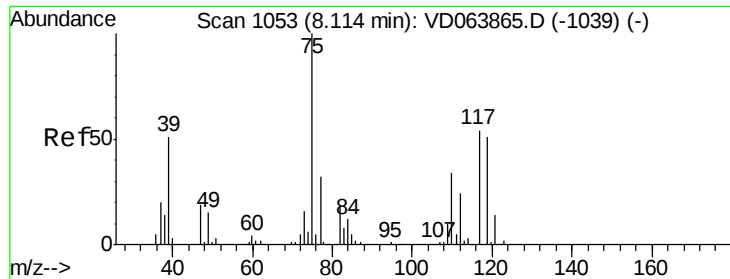
#35
 Dibromofluoromethane
 Concen: 51.034 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Tgt Ion:113 Resp: 75380
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 123.8
 192 21.4 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

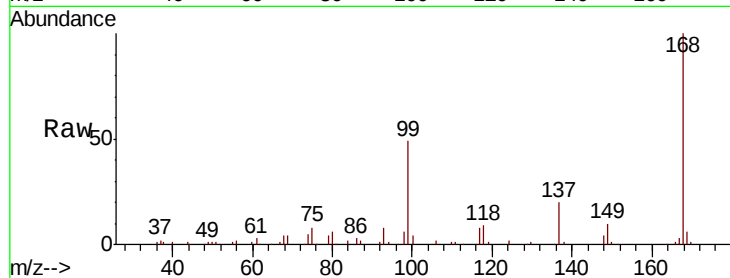




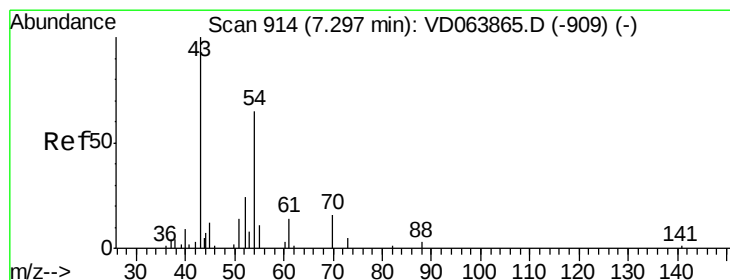
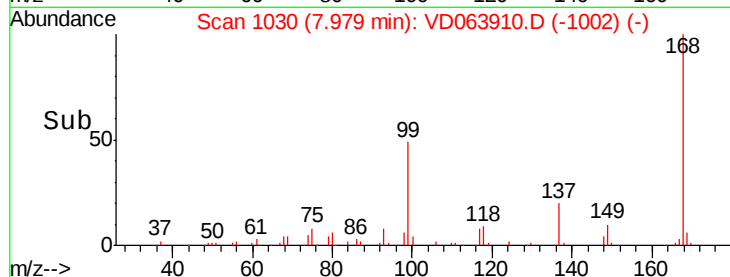
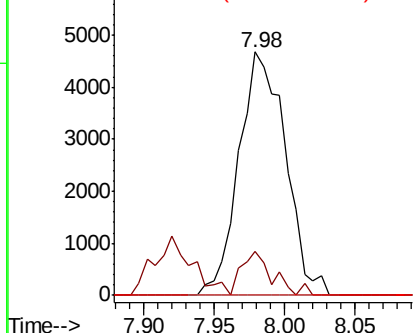
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 10809
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.4 52.3#
 77 0.0 25.4 38.0#

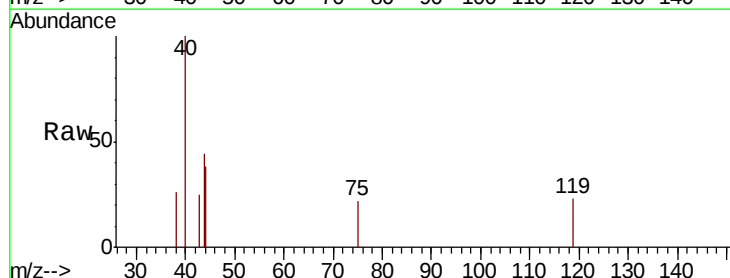


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

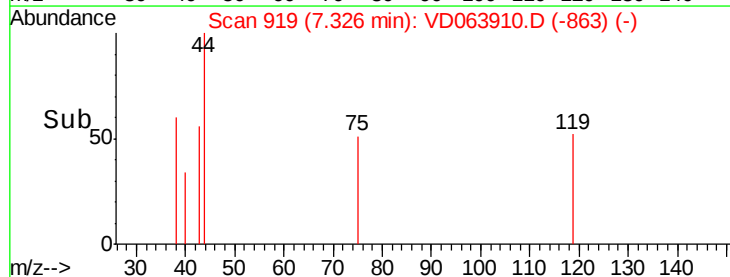
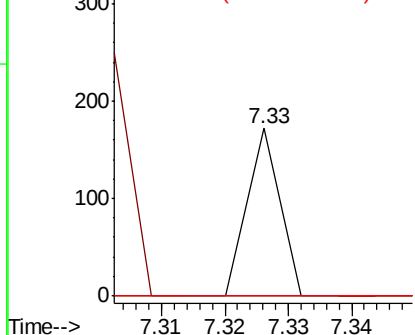


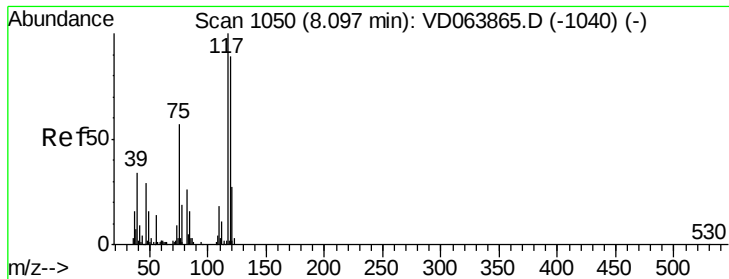
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.33 min Scan# 919
 Delta R.T. 0.03 min
 Lab File: VD063910.D
 Acq: 10 Oct 2019 15:13

Tgt Ion: 43 Resp: 61
 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: 6.597 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

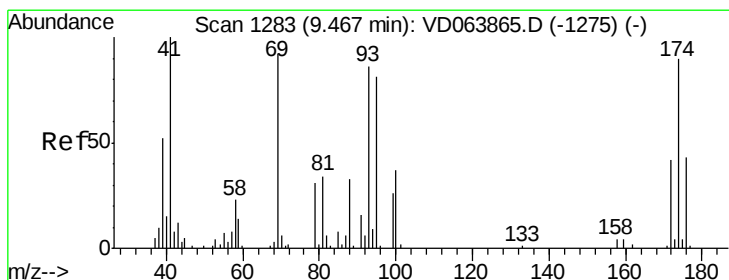
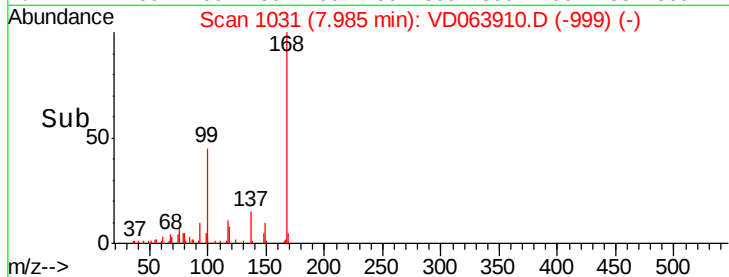
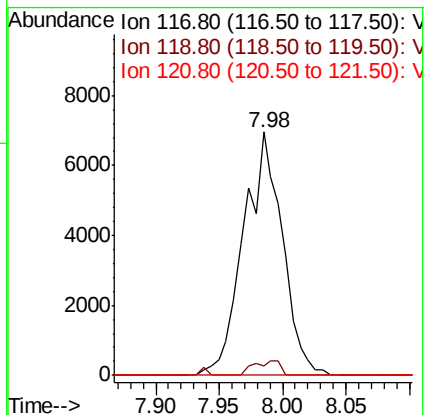
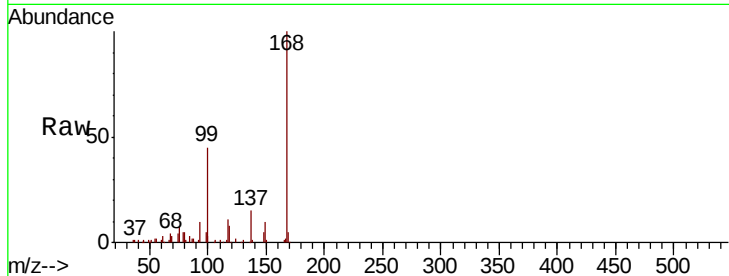
Tot Ion:117 Resp: 14733

Ion Ratio Lower Upper

117 100

119 4.1 70.8 106.2#

121 0.0 21.4 32.0#



#49

1,4-Dioxane

Concen: 4.564 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

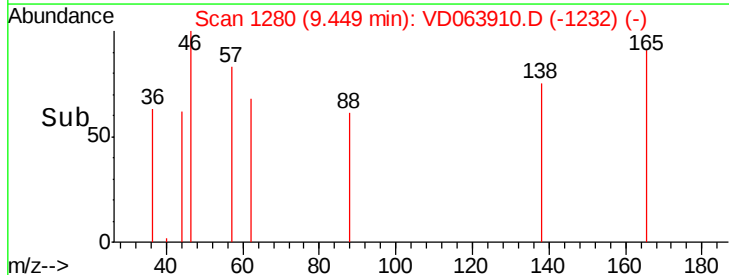
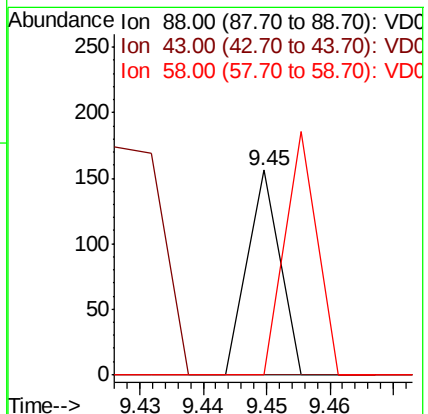
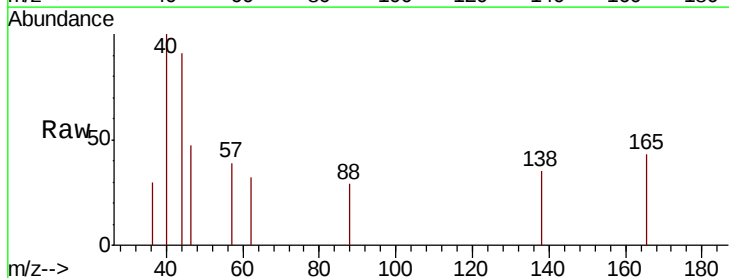
Tgt Ion: 88 Resp: 55

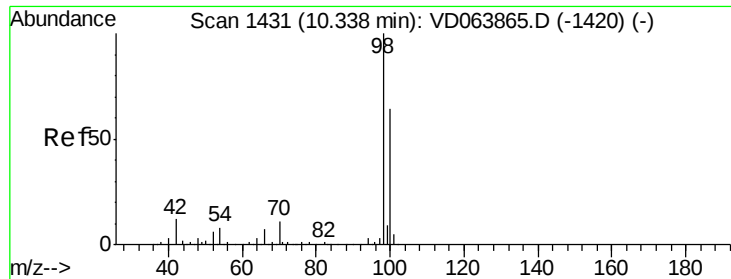
Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

58 120.0 54.1 81.1#

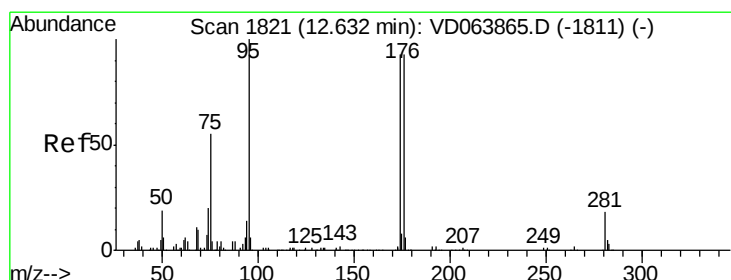
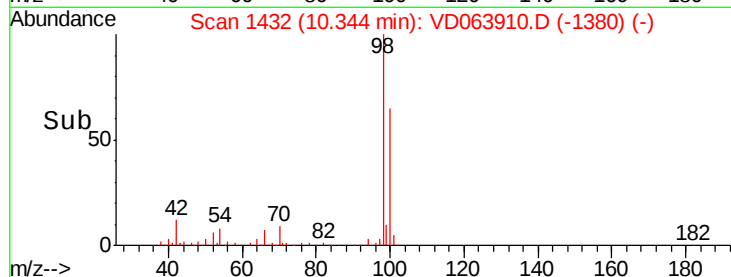
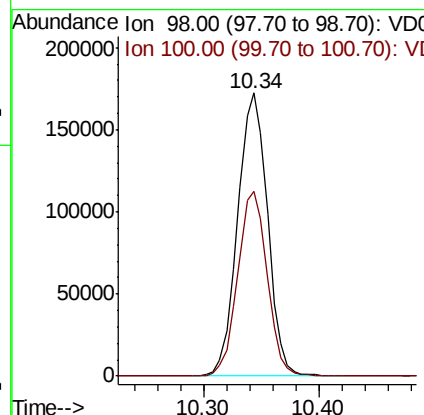
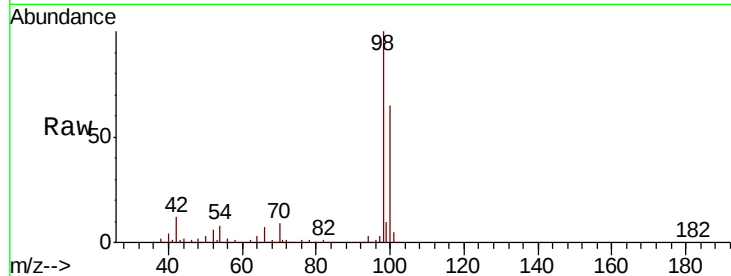




#50
Toluene-d8
Concen: 51.646 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

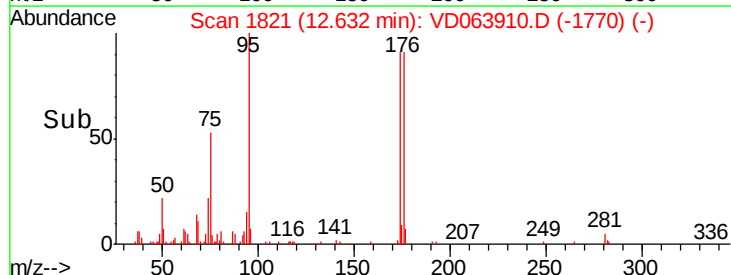
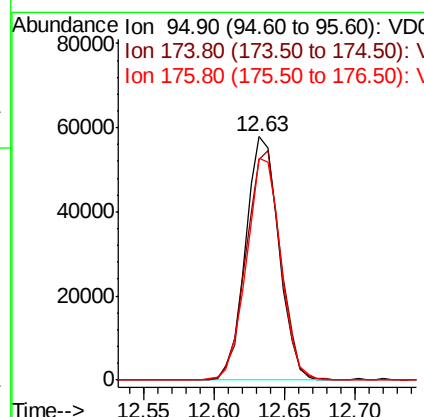
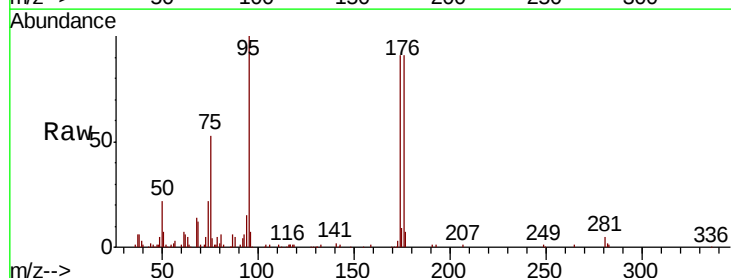
Instrument :
MSVOA_D
ClientSampleId :

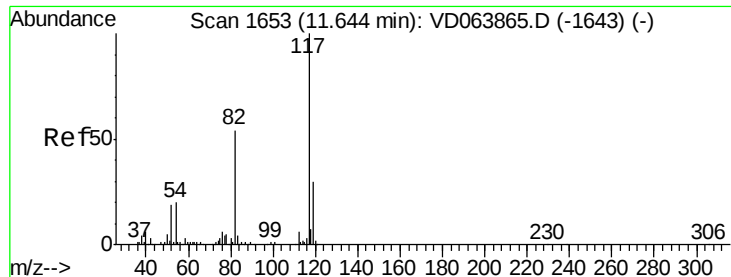
Tot Ion: 98 Resp: 309622
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.135 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

Tgt Ion: 95 Resp: 96113
Ion Ratio Lower Upper
95 100
174 96.3 0.0 186.4
176 93.3 0.0 184.2

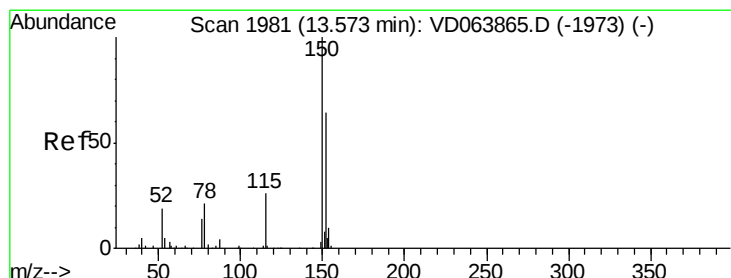
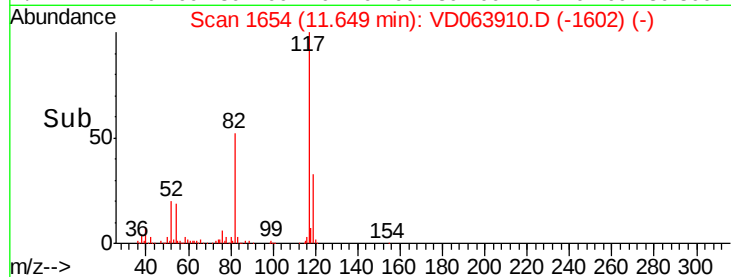
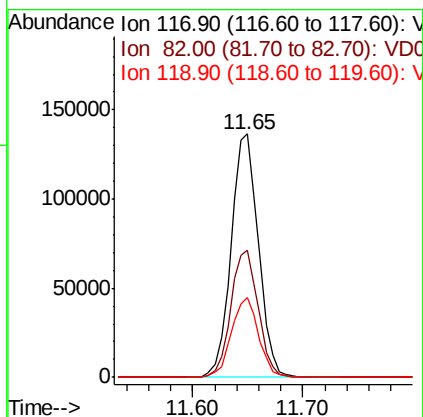
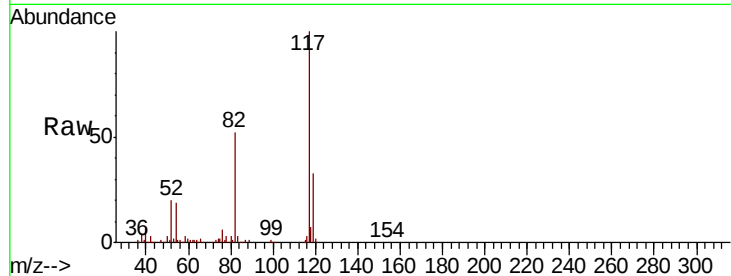




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

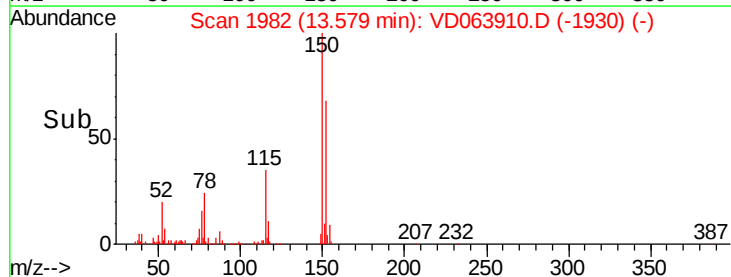
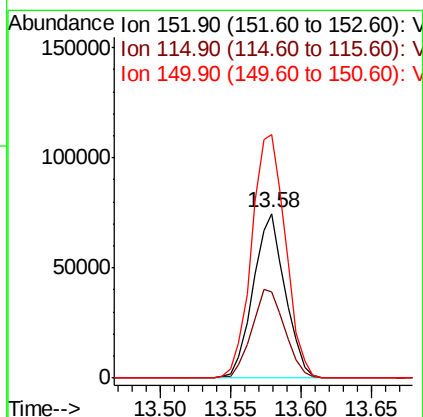
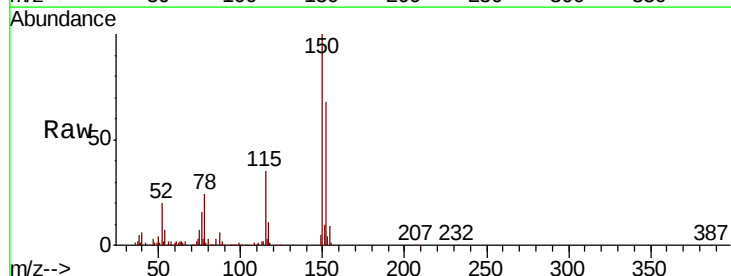
Instrument :
MSVOA_D
ClientSampleId :

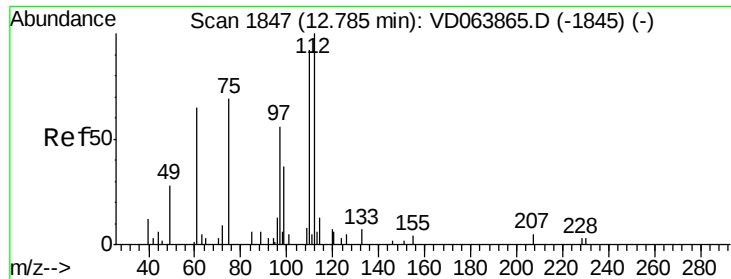
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.8	64.2
119	32.9	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063910.D
Acq: 10 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	25.9	77.7
150	157.3	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 68.593 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

Instrument :

MSVOA_D

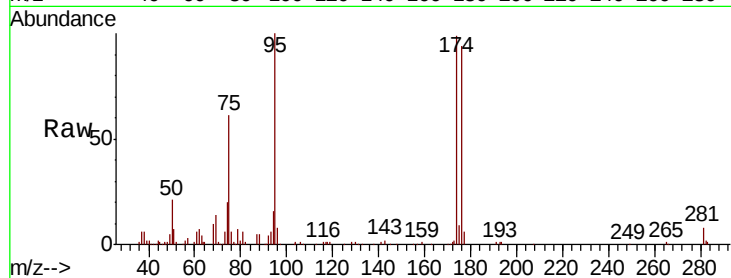
ClientSampleId :

Tot Ion: 75 Resp: 54413

Ion Ratio Lower Upper

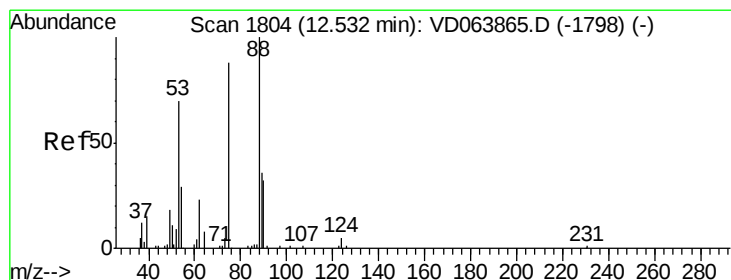
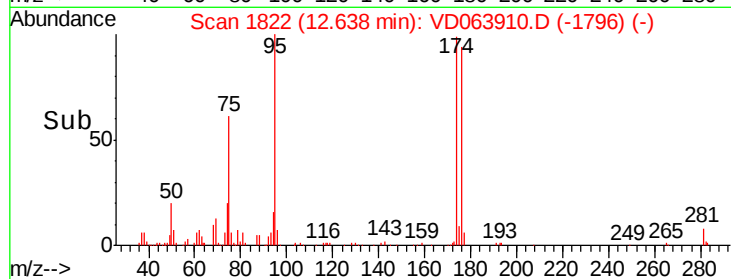
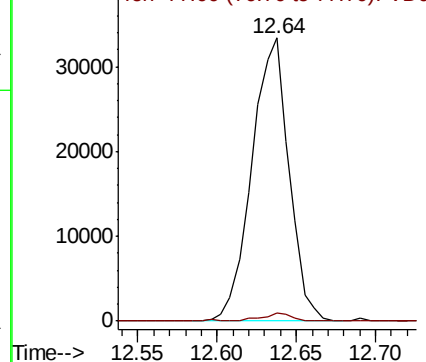
75 100

77 2.1 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: 121.381 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

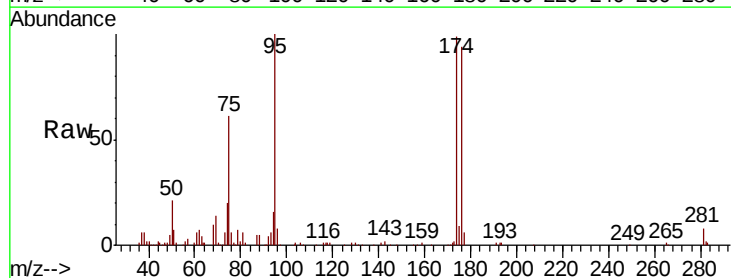
Tgt Ion: 75 Resp: 54413

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

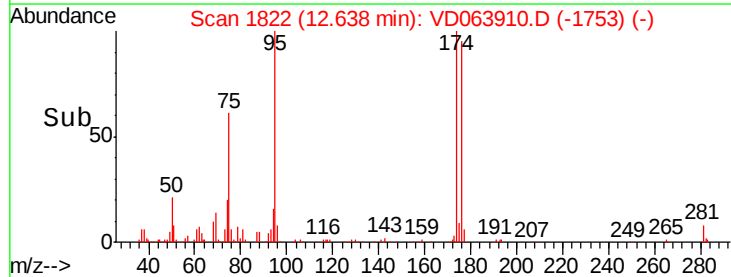
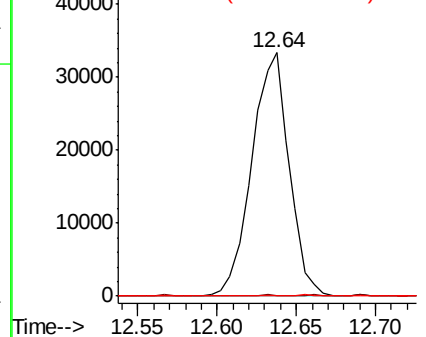
89 0.0 38.2 57.4#

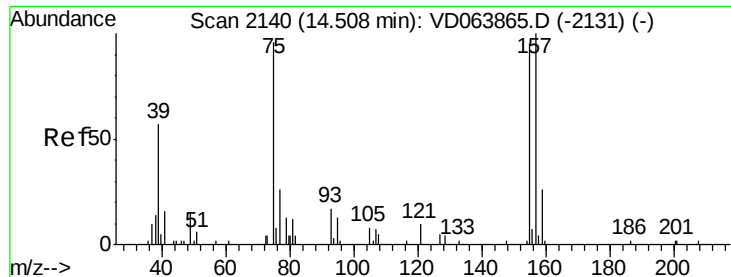


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.39 min Scan# 2120

Delta R.T. -0.12 min

Lab File: VD063910.D

Acq: 10 Oct 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

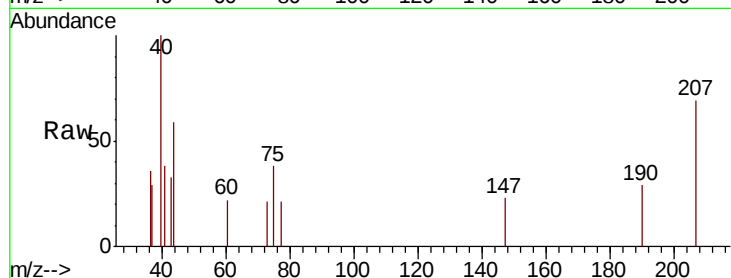
Tot Ion: 75 Resp: 265

Ion Ratio Lower Upper

75 100

155 21.5 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

