

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063969.D
 Acq On : 15 Oct 2019 13:55
 Operator : VA/SY
 Sample : K5357-01RE
 Misc : 6.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11933

Quant Time: Oct 16 02:15:13 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	194488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	351034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	347221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169106	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	102173	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
35) Dibromofluoromethane	7.92	113	107868	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.34	98	448847	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.64	95	142736	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

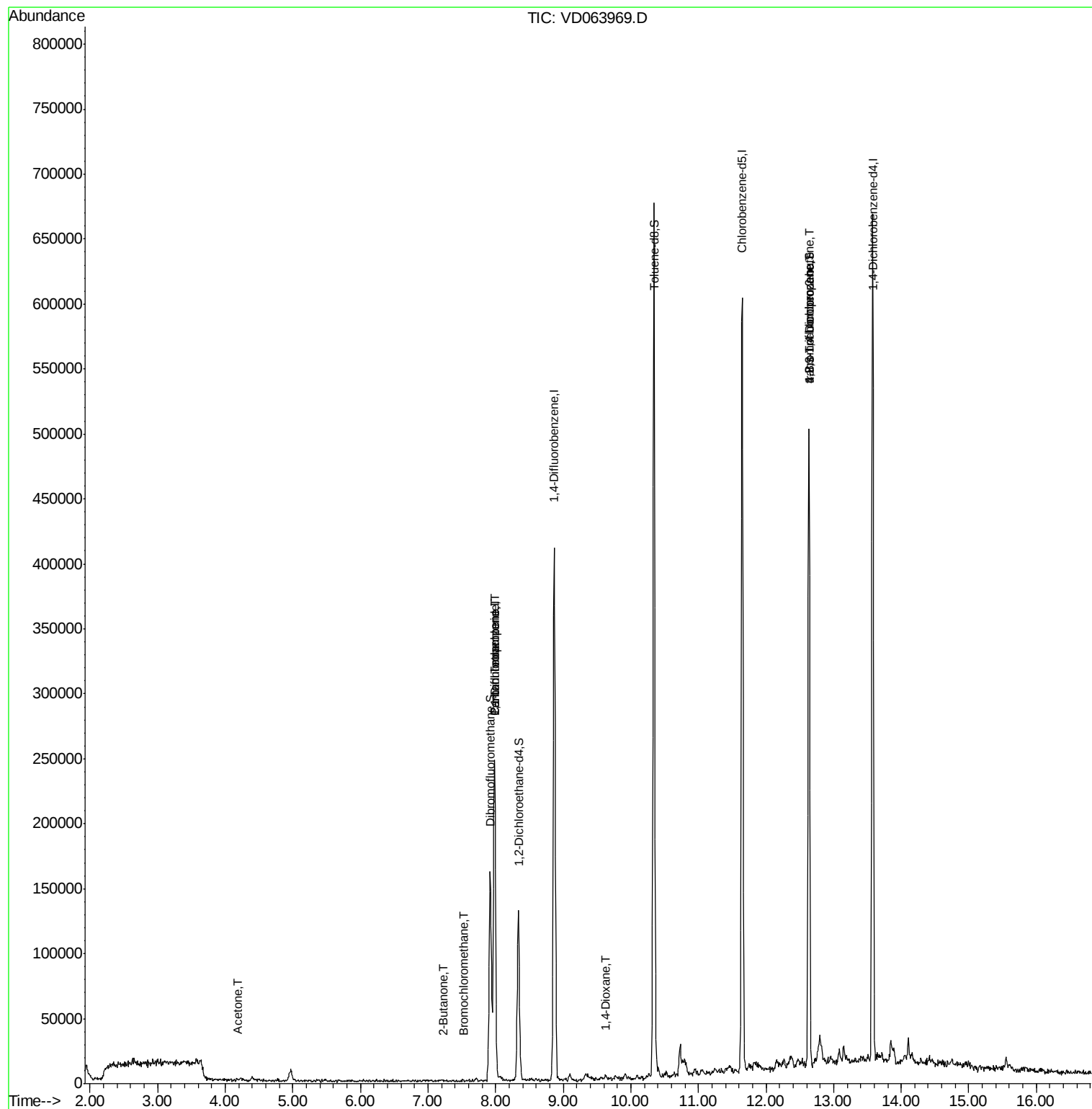
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	891	Below Cal		99
11) Tert butyl alcohol	5.26	59	80	Below Cal	#	71
16) Acetone	4.18	43	1200	2.434	ug/l #	42
25) 2-Butanone	7.22	43	626	1.071	ug/l #	51
28) Bromochloromethane	7.53	49	113	1.948	ug/l #	10
31) Cyclohexane	7.98	56	4860	Below Cal	#	22
36) 1,1-Dichloropropene	7.98	75	14508	4.520	ug/l #	53
37) Ethyl Acetate	7.28	43	267	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	18073	5.572	ug/l #	22
49) 1,4-Dioxane	9.62	88	55	3.143	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	80792	71.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	80792	126.228	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.47	75	132	Below Cal	#	30

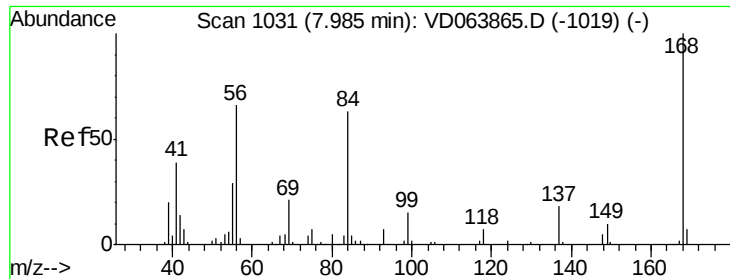
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063969.D
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Operator : VA/SY
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Quant Title : SW846 8260
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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: VD063969.D

Acq: 15 Oct 2019 13:55

Instrument :

MSVOA_D

ClientSampled :

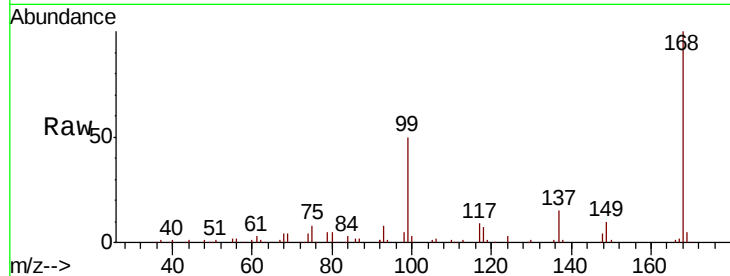
72-11933

Tot Ion:168 Resp: 194488

Ion Ratio Lower Upper

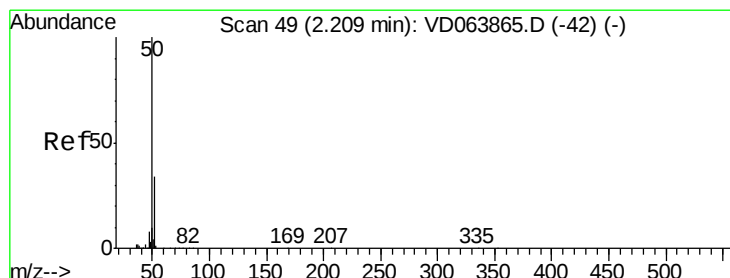
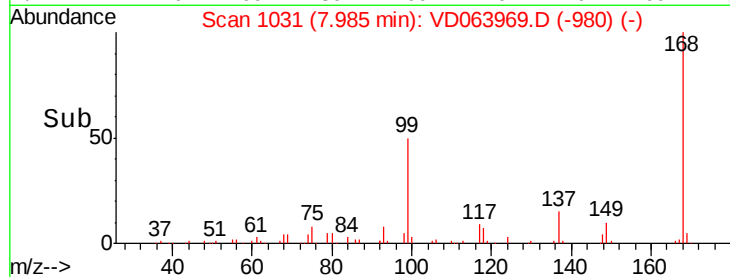
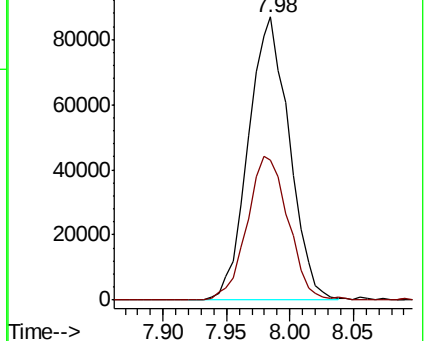
168 100

99 49.6 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: VD063969.D

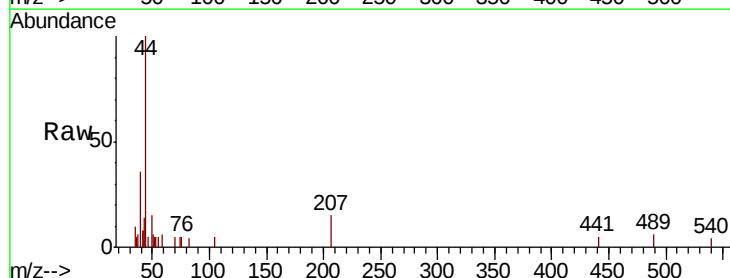
Acq: 15 Oct 2019 13:55

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

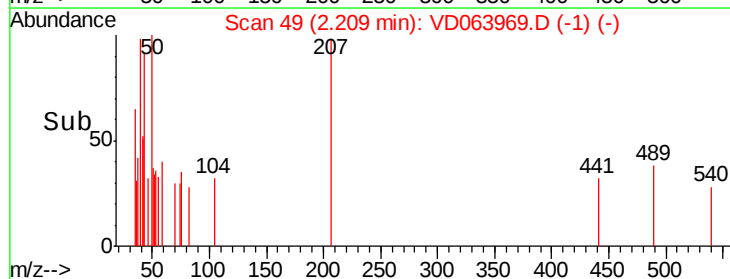
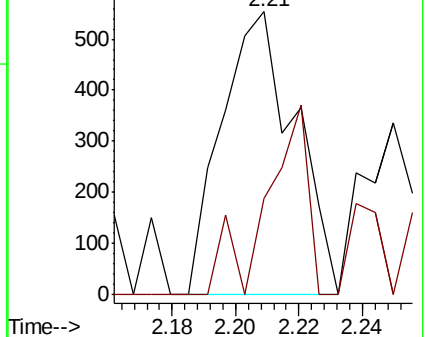
50 100

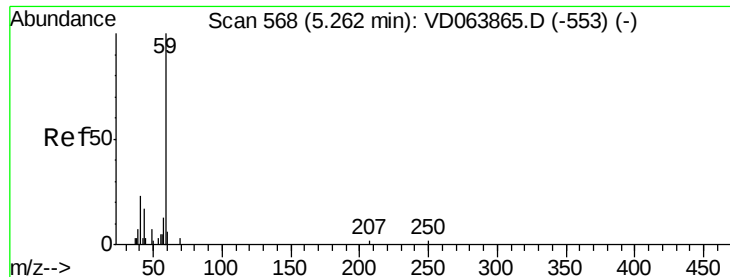
52 34.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



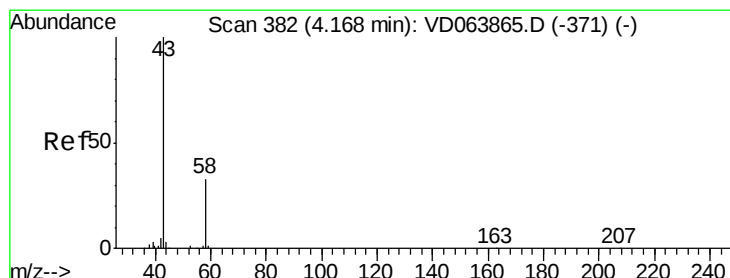
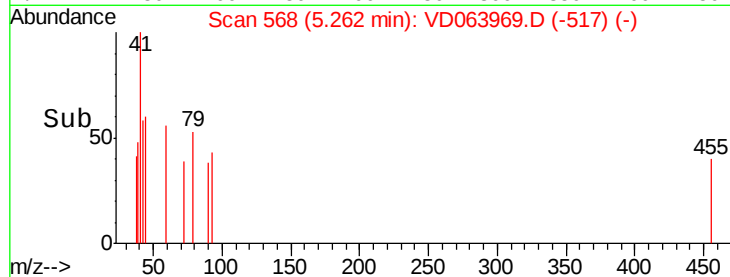
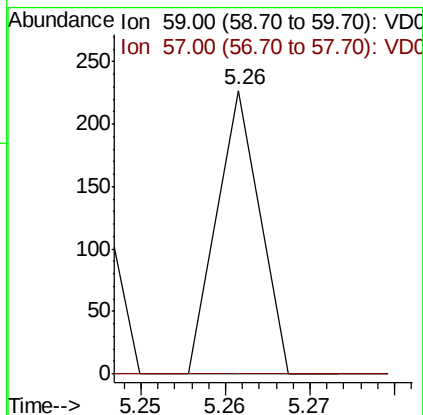
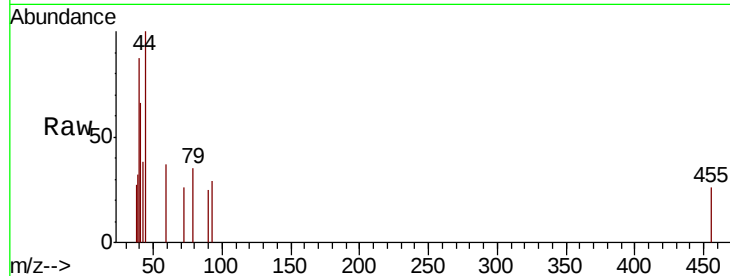


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11933

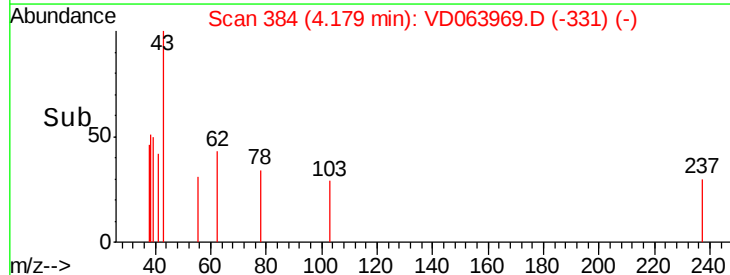
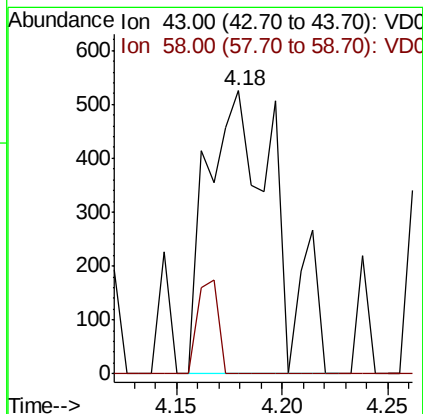
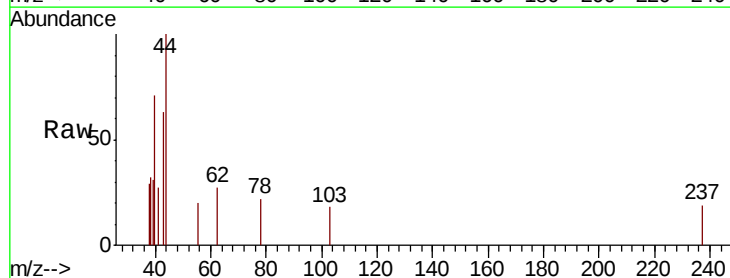
Tot Ion: 59 Resp: 80
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

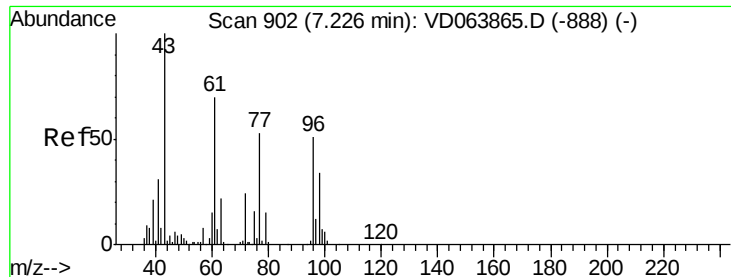


#16

Acetone
 Concen: 2.434 ug/l
 RT: 4.18 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

Tgt Ion: 43 Resp: 1200
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

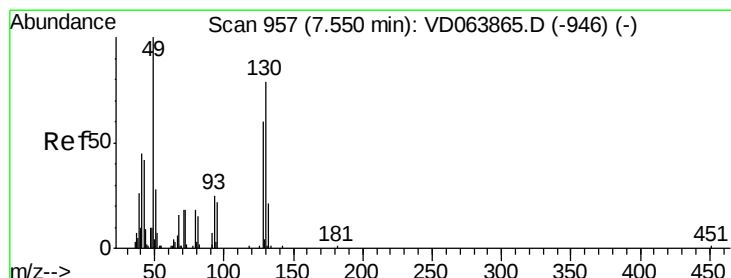
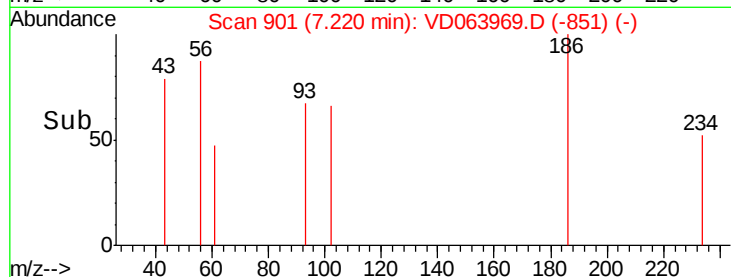
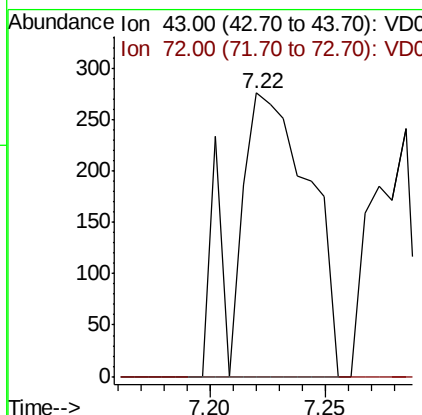
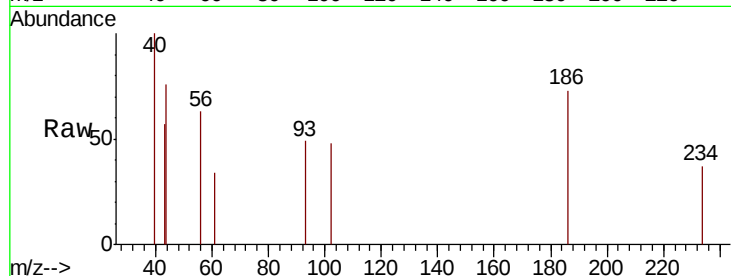




#25
2-Butanone
Concen: 1.071 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

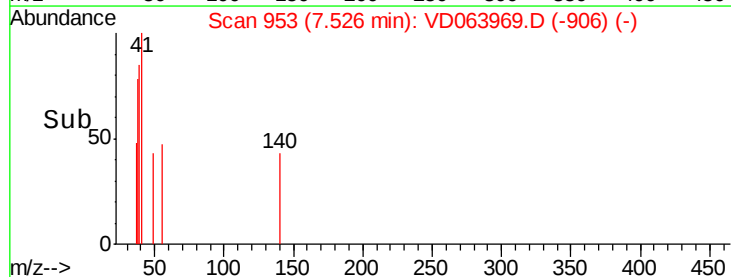
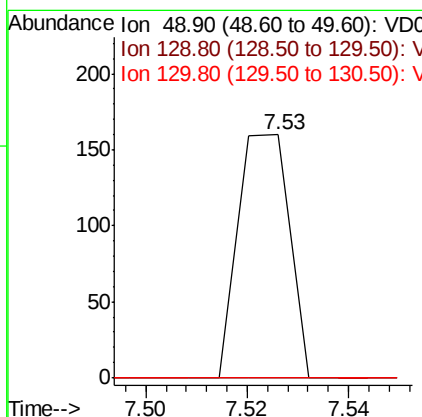
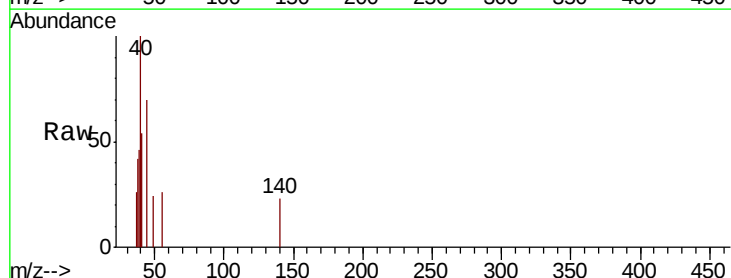
Instrument :
MSVOA_D
ClientSampleId :
72-11933

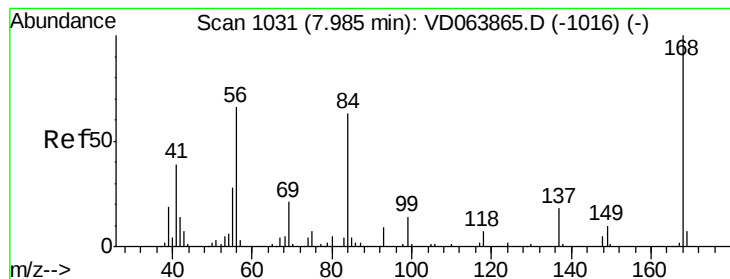
Tot Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#28
Bromochloromethane
Concen: 1.948 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.02 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

Tgt Ion: 49 Resp: 113
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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063969.D

Acq: 15 Oct 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

72-11933

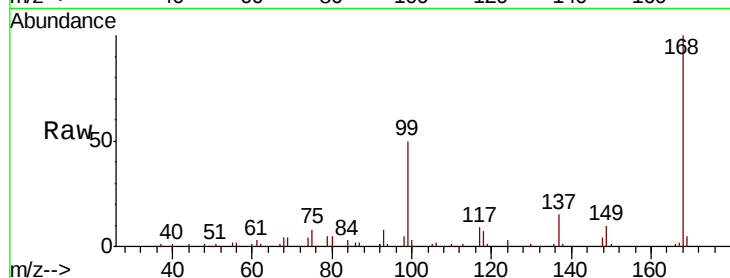
Tot Ion: 56 Resp: 4860

Ion Ratio Lower Upper

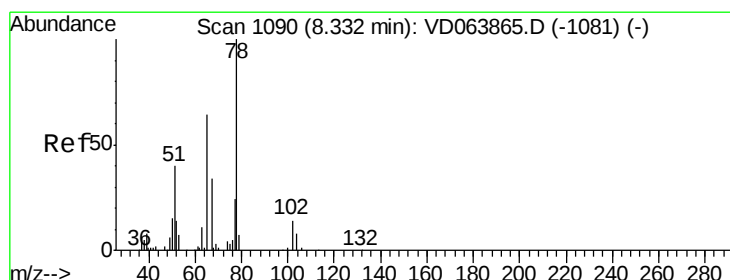
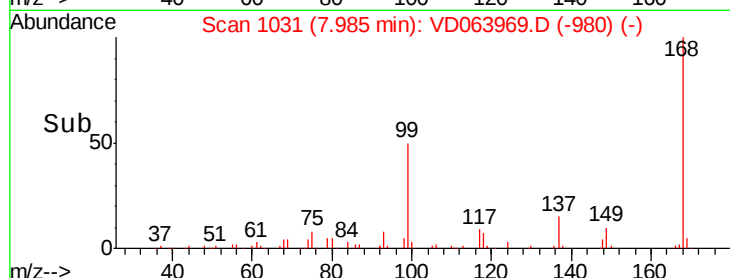
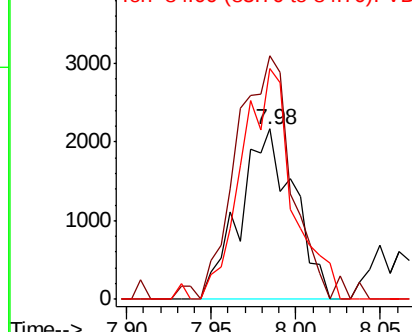
56 100

69 135.5 25.0 37.4#

84 135.6 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: 53.960 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063969.D

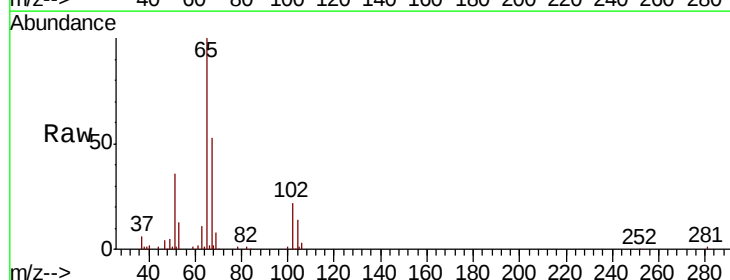
Acq: 15 Oct 2019 13:55

Tgt Ion: 65 Resp: 102173

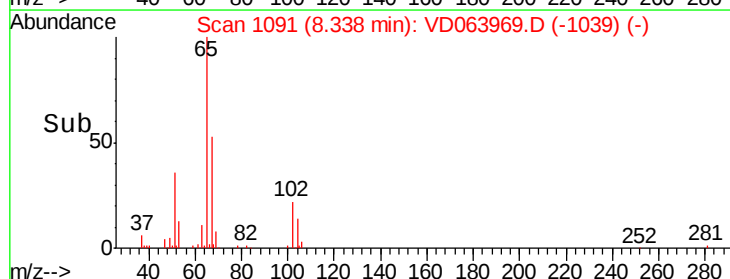
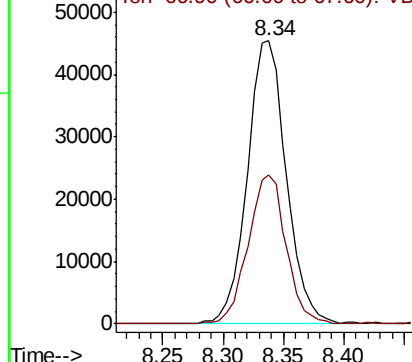
Ion Ratio Lower Upper

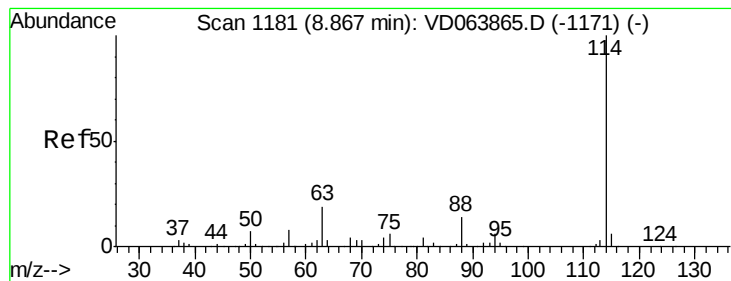
65 100

67 51.3 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: VD063969.D

Acq: 15 Oct 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

72-11933

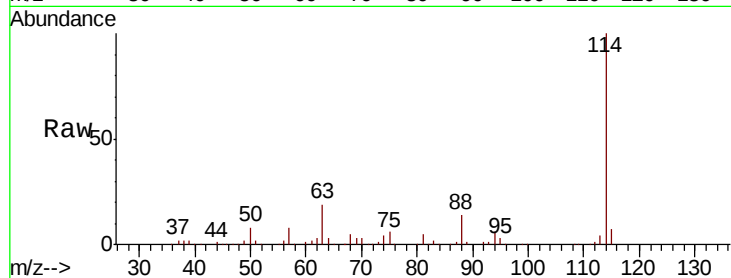
Tot Ion:114 Resp: 351034

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

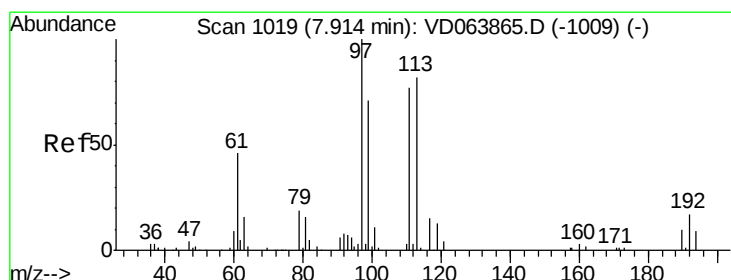
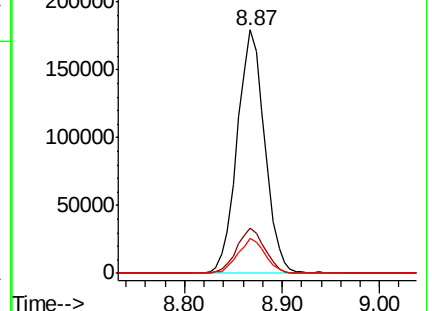
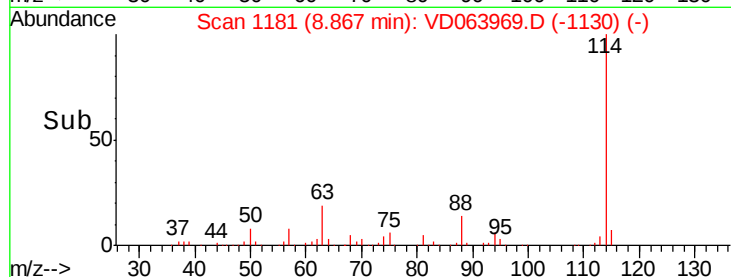
88 14.2 0.0 27.4



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: 50.282 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063969.D

Acq: 15 Oct 2019 13:55

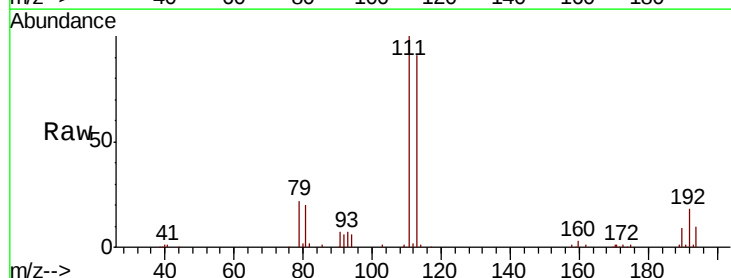
Tgt Ion:113 Resp: 107868

Ion Ratio Lower Upper

113 100

111 106.9 82.6 123.8

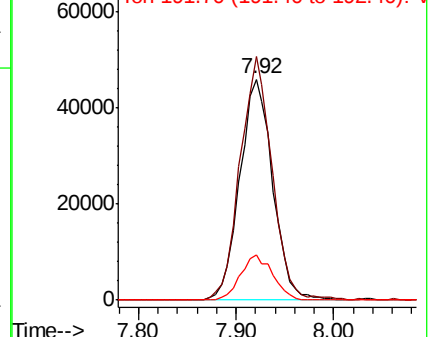
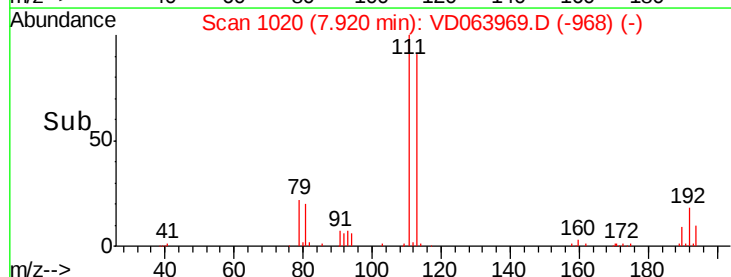
192 20.1 17.1 25.7

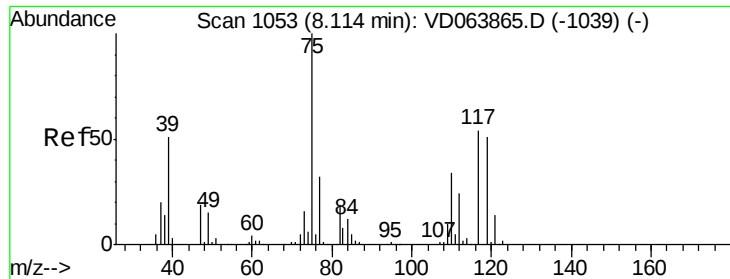


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

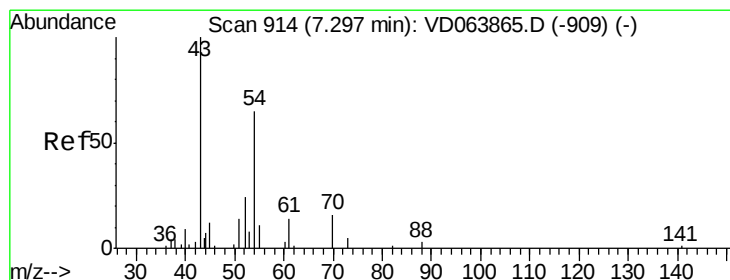
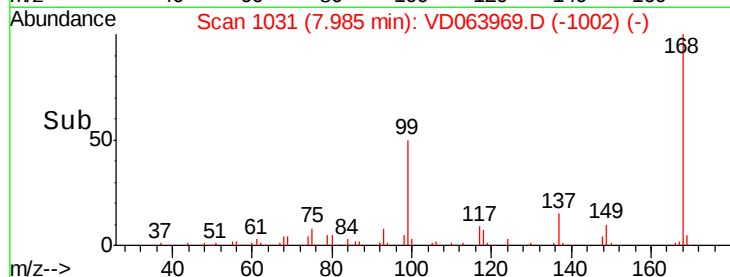
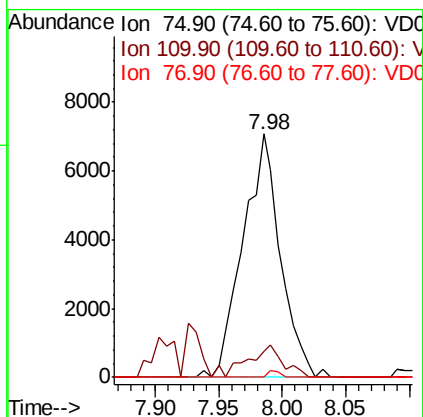
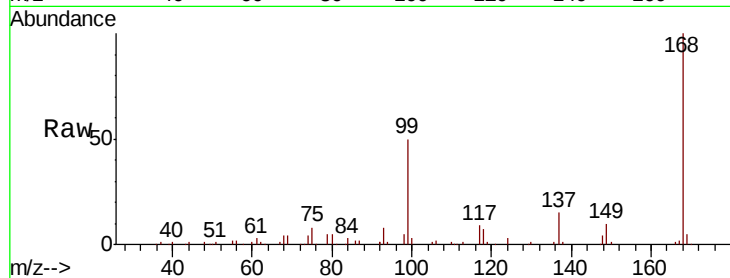




#36
 1,1-Dichloropropene
 Concen: 4.520 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

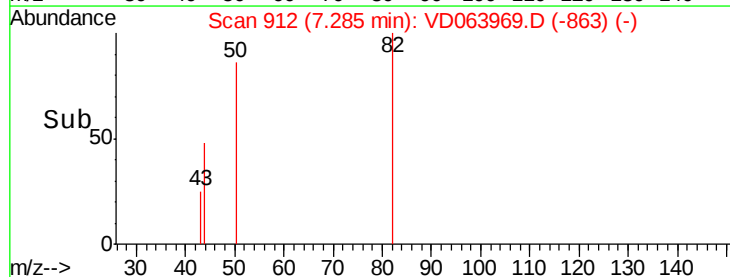
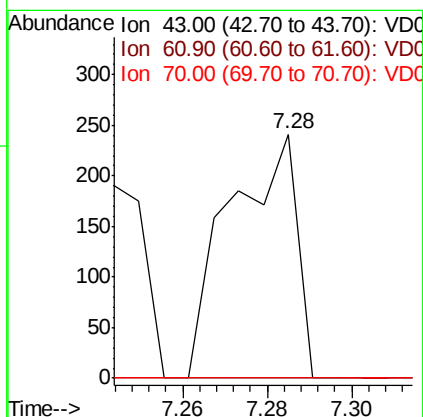
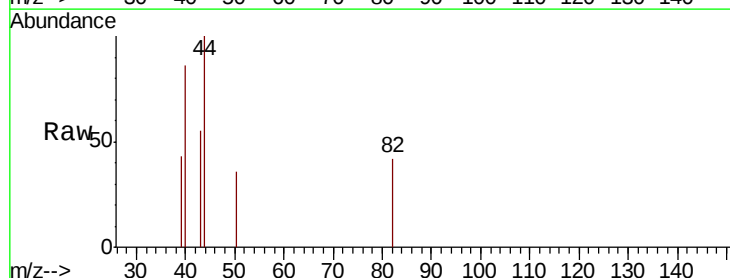
Instrument :
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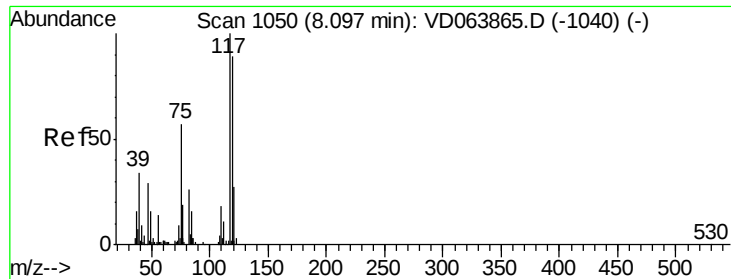
Tot Ion: 75 Resp: 14508
 Ion Ratio Lower Upper
 75 100
 110 12.0 17.4 52.3#
 77 0.8 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.28 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

Tgt Ion: 43 Resp: 267
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#

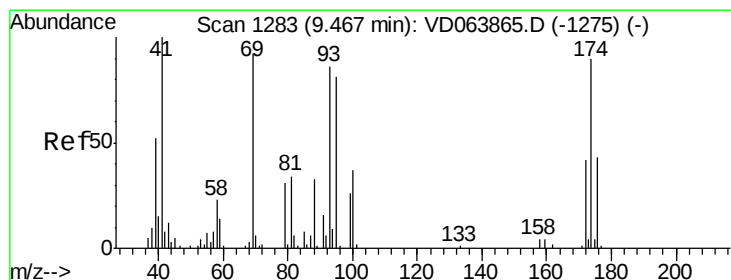
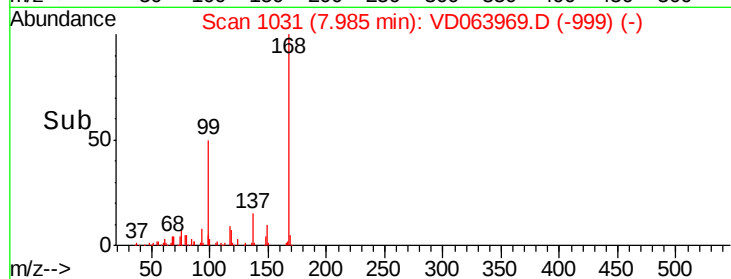
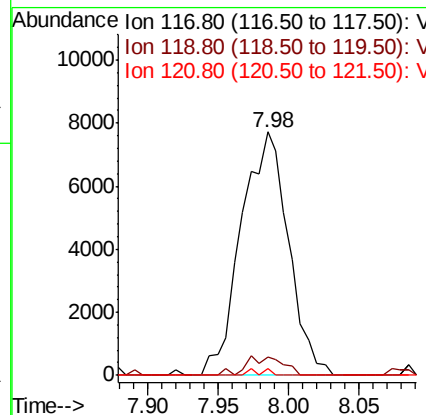
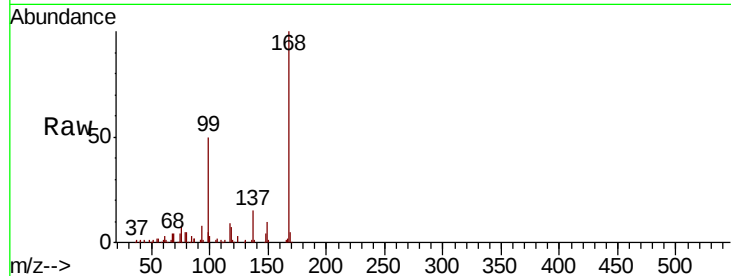




#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

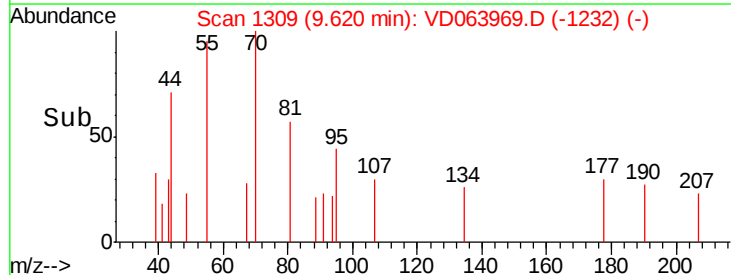
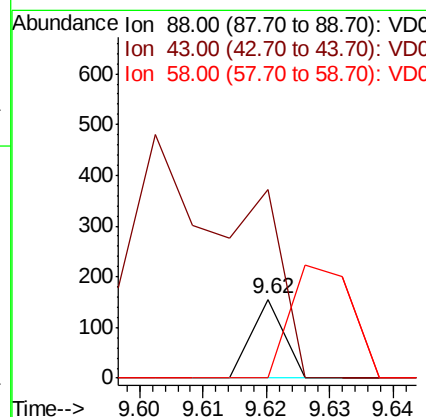
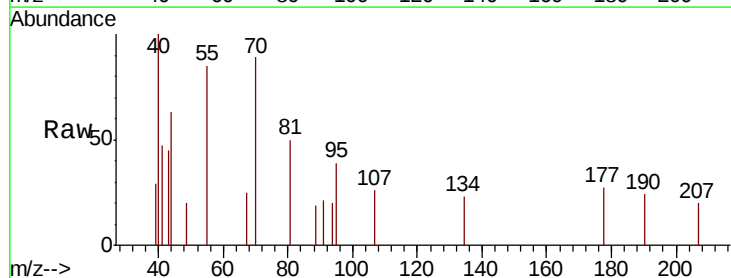
Instrument :
MSVOA_D
ClientSampleId :
72-11933

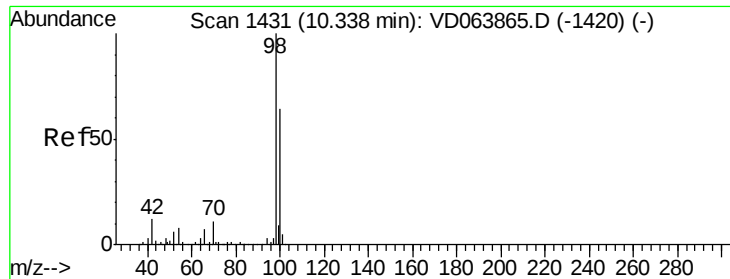
Tot Ion:117 Resp: 18073
Ion Ratio Lower Upper
117 100
119 7.3 70.8 106.2#
121 2.7 21.4 32.0#



#49
1,4-Dioxane
Concen: 3.143 ug/l
RT: 9.62 min Scan# 1309
Delta R.T. 0.15 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 272.7 54.1 81.1#





#50

Toluene-d8

Concen: 51.548 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063969.D

Acq: 15 Oct 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

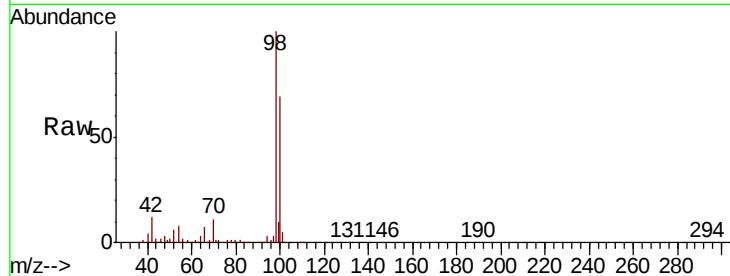
72-11933

Tot Ion: 98 Resp: 448847

Ion Ratio Lower Upper

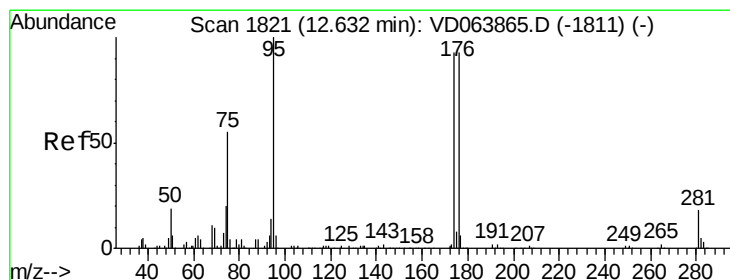
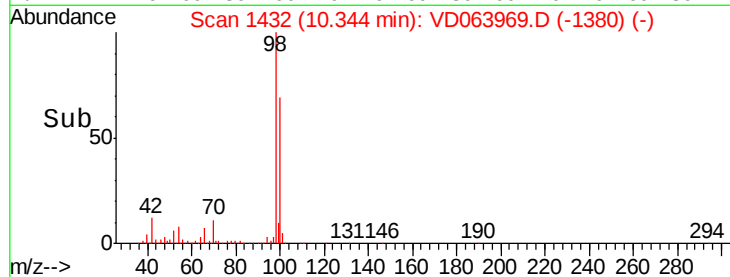
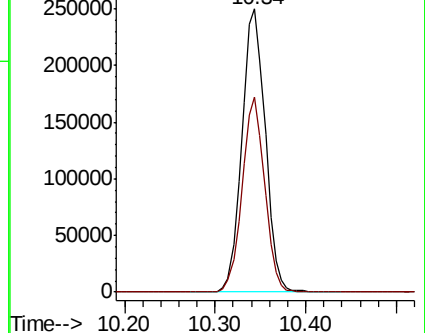
98 100

100 66.2 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: 47.173 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063969.D

Acq: 15 Oct 2019 13:55

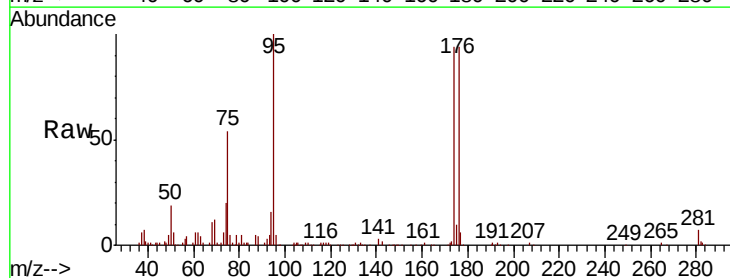
Tgt Ion: 95 Resp: 142736

Ion Ratio Lower Upper

95 100

174 95.1 0.0 186.4

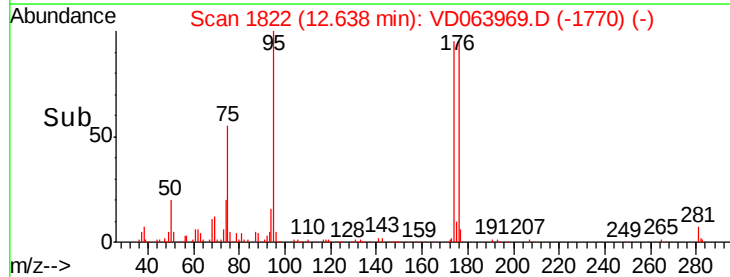
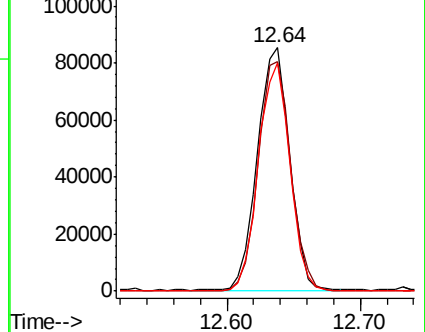
176 91.3 0.0 184.2

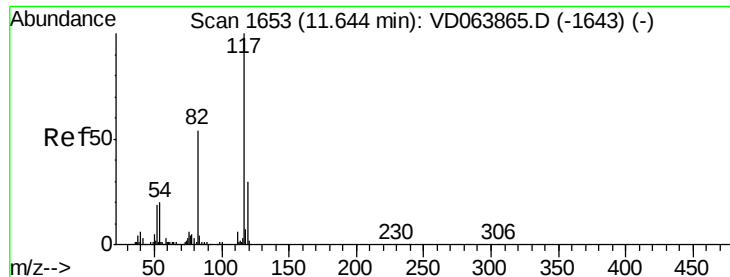


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

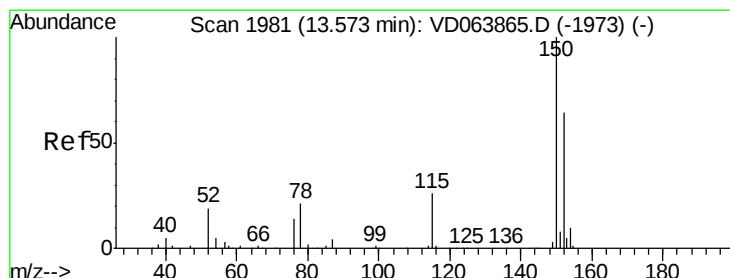
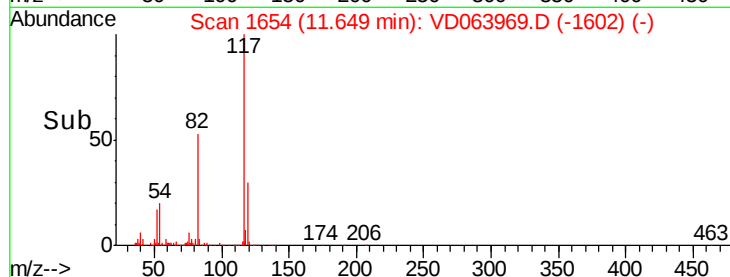
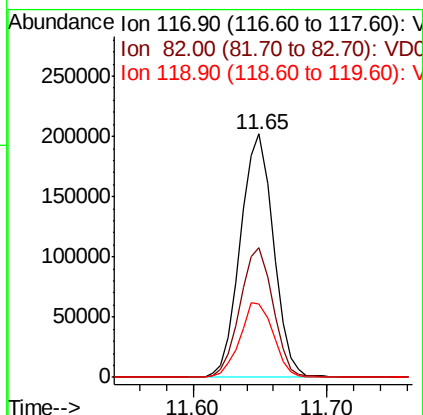
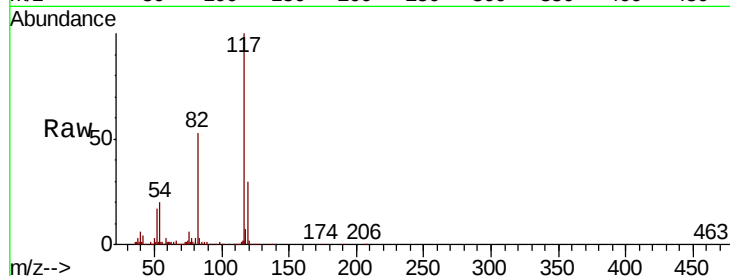




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

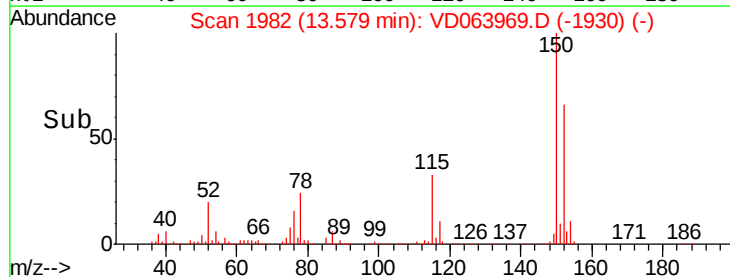
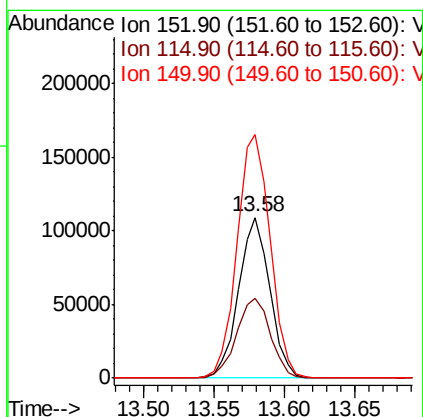
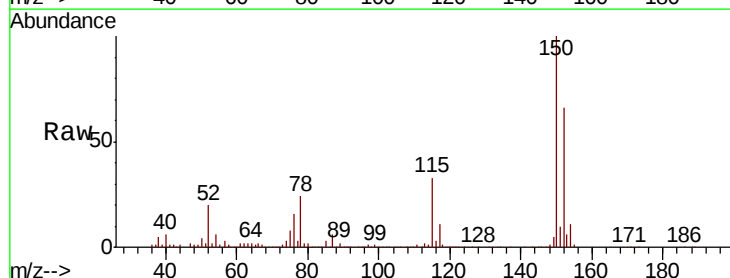
Instrument :
MSVOA_D
ClientSampleId :
72-11933

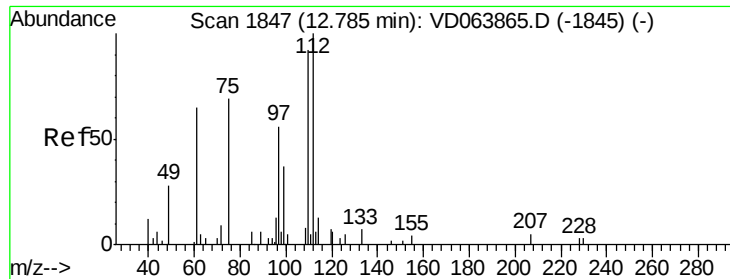
Tot Ion:117 Resp: 347221
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 30.1 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063969.D
Acq: 15 Oct 2019 13:55

Tgt Ion:152 Resp: 169106
Ion Ratio Lower Upper
152 100
115 54.0 25.9 77.7
150 160.4 0.0 344.2

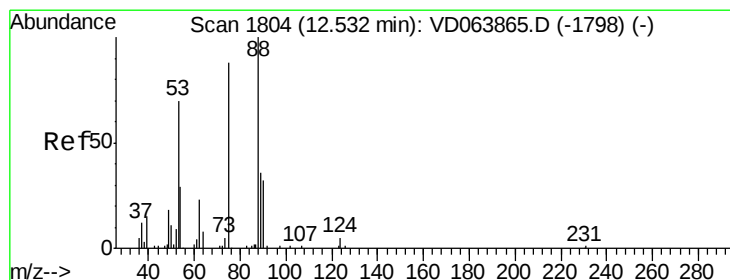
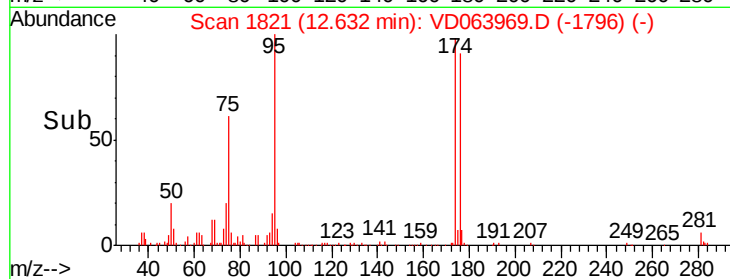
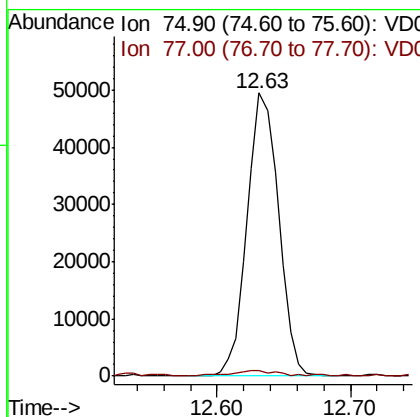
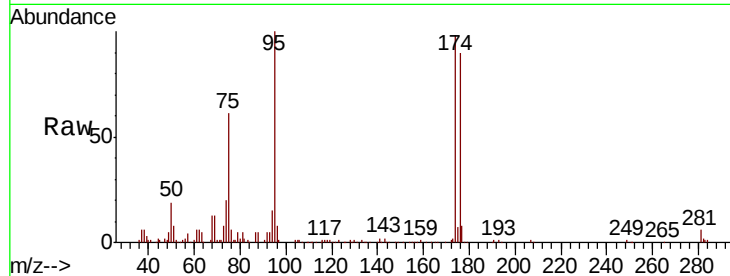




#76
 1,2,3-Trichloropropane
 Concen: 71.332 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

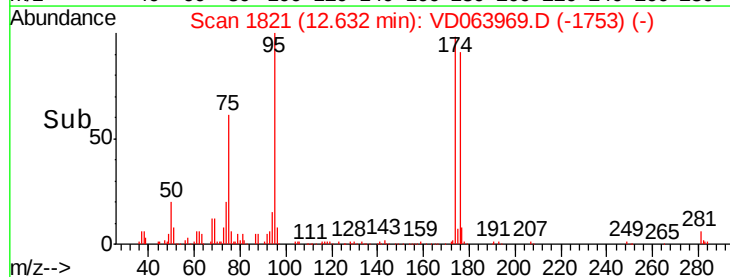
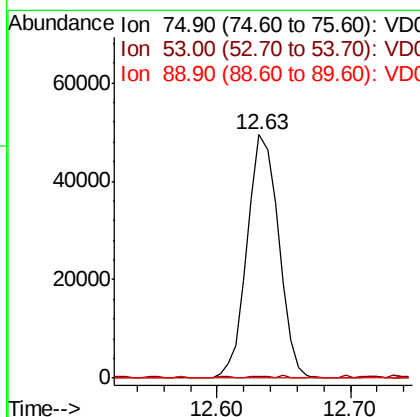
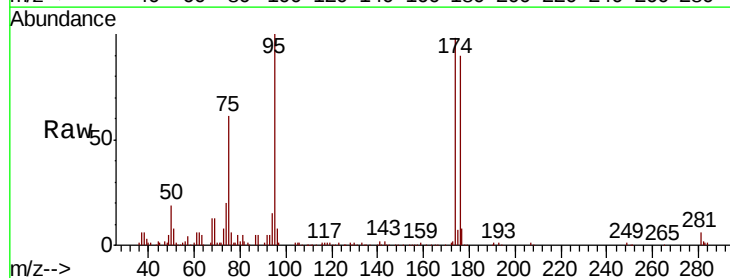
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11933

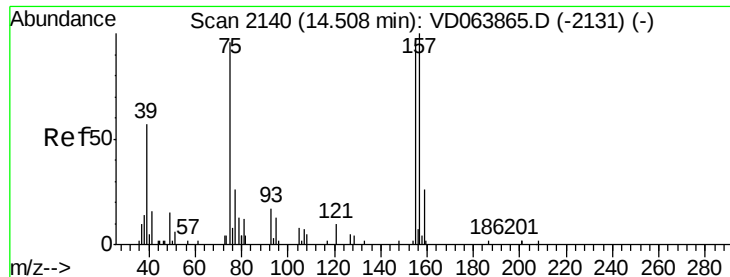
Tot Ion: 75 Resp: 80792
 Ion Ratio Lower Upper
 75 100
 77 3.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.228 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063969.D
 Acq: 15 Oct 2019 13:55

Tgt Ion: 75 Resp: 80792
 Ion Ratio Lower Upper
 75 100
 53 0.9 75.0 112.6#
 89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.47 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VD063969.D

Acq: 15 Oct 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

72-11933

Tot Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 57.6 56.0 167.9

