

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063970.D
 Acq On : 15 Oct 2019 14:23
 Operator : VA/SY
 Sample : K5355-02RE
 Misc : 6.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-31

Quant Time: Oct 16 02:15:26 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	182416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	332831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	318735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134718	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	104247	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
35) Dibromofluoromethane	7.92	113	102478	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.34	98	426906	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	127215	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

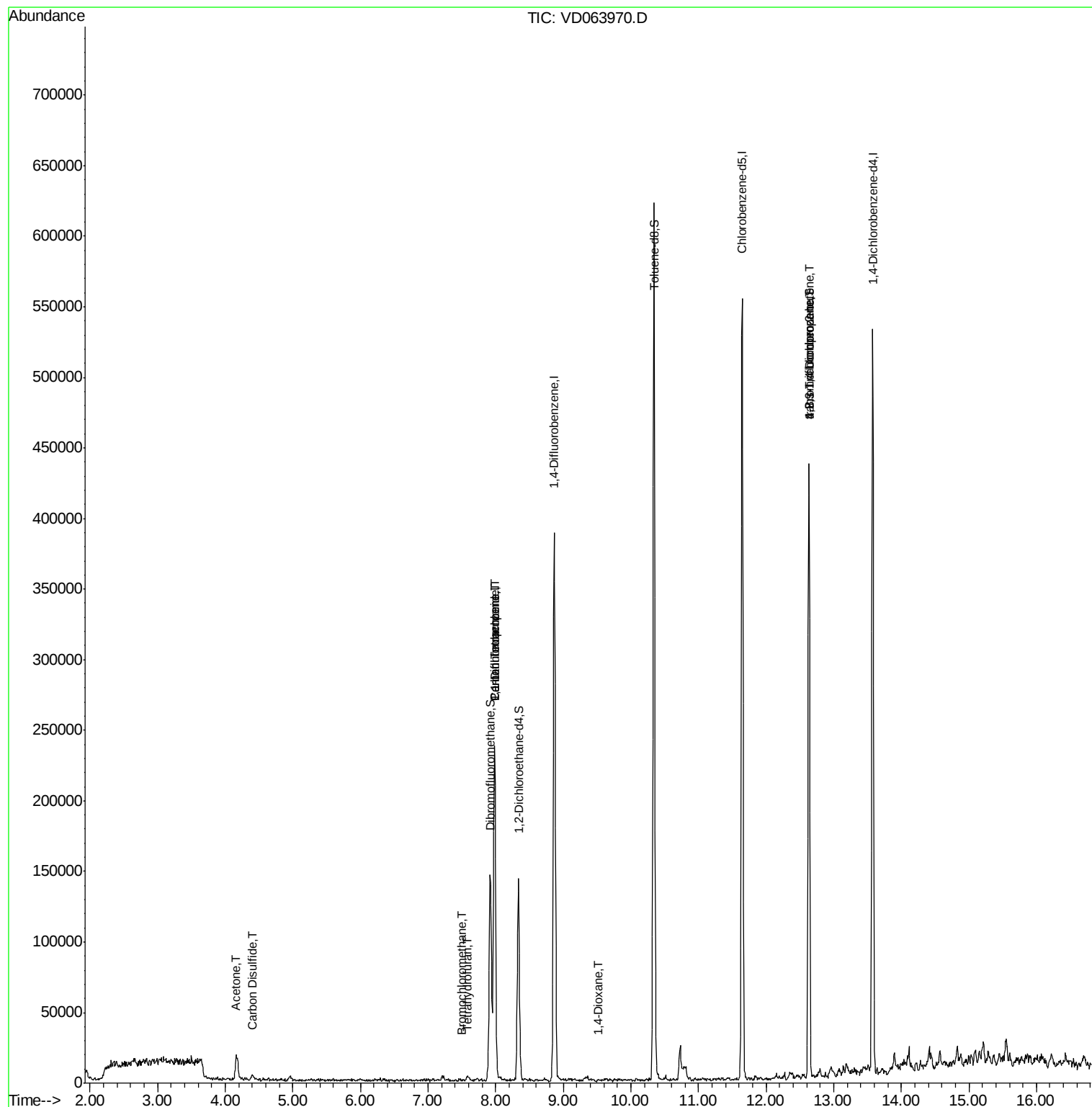
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	970	Below Cal	#	40
11) Tert butyl alcohol	5.26	59	563	Below Cal	#	71
16) Acetone	4.16	43	30375	65.693	ug/l	98
17) Carbon Disulfide	4.39	76	6516	1.173	ug/l #	79
20) Methylene Chloride	4.96	84	1316	Below Cal		90
28) Bromochloromethane	7.50	49	132	1.969	ug/l #	6
29) Tetrahydrofuran	7.58	42	2681	8.382	ug/l #	64
31) Cyclohexane	7.98	56	4187	Below Cal	#	70
36) 1,1-Dichloropropene	7.98	75	13680	4.495	ug/l #	49
37) Ethyl Acetate	7.30	43	107	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17316	5.631	ug/l #	19
49) 1,4-Dioxane	9.51	88	147	8.859	ug/l #	40
76) 1,2,3-Trichloropropane	12.64	75	69638	77.178	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69638	136.574	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	75	Below Cal	#	1

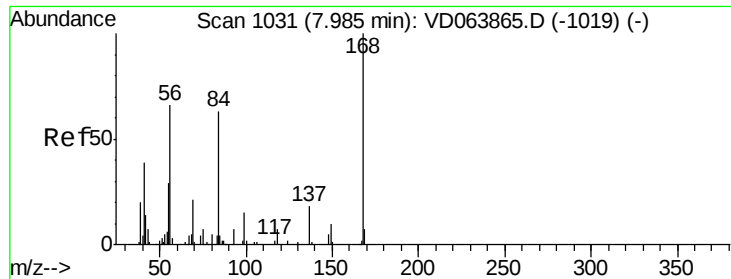
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063970.D
Acq On : 15 Oct 2019 14:23
Operator : VA/SY
Sample : K5355-02RE
Misc : 6.44G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VOC-31

Quant Time: Oct 16 02:15:26 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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

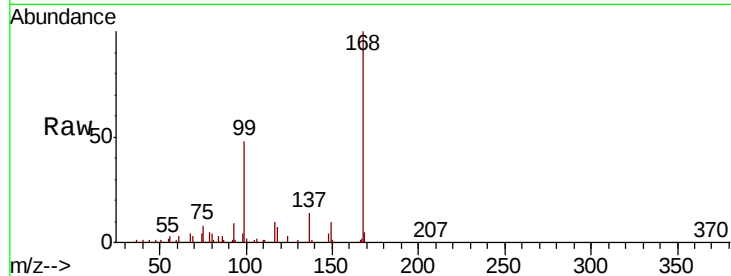
VOC-31

Tot Ion:168 Resp: 182416

Ion Ratio Lower Upper

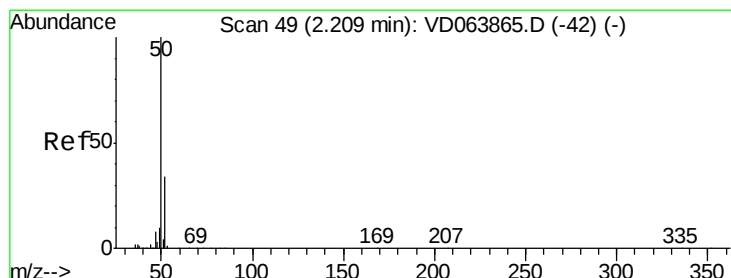
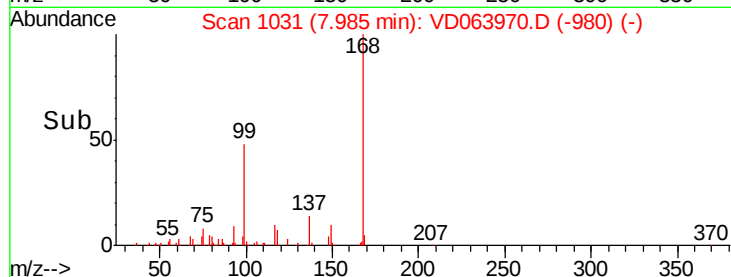
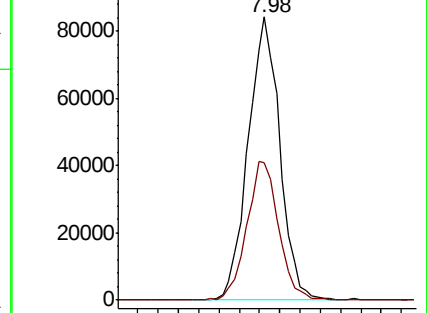
168 100

99 48.3 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# 50

Delta R.T. 0.01 min

Lab File: VD063970.D

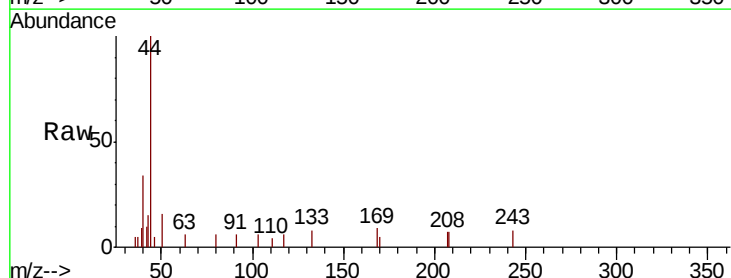
Acq: 15 Oct 2019 14:23

Tgt Ion: 50 Resp: 970

Ion Ratio Lower Upper

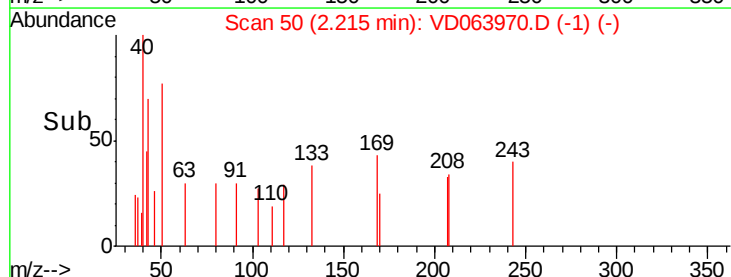
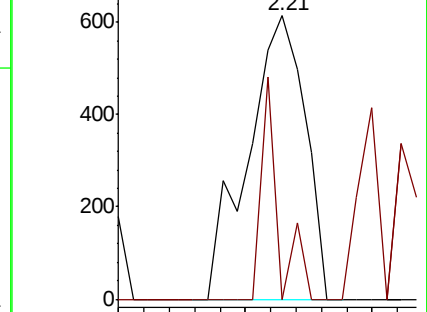
50 100

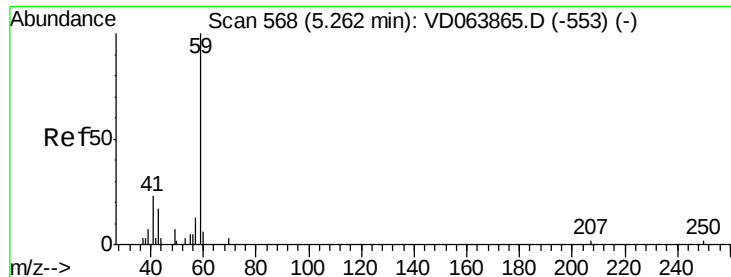
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



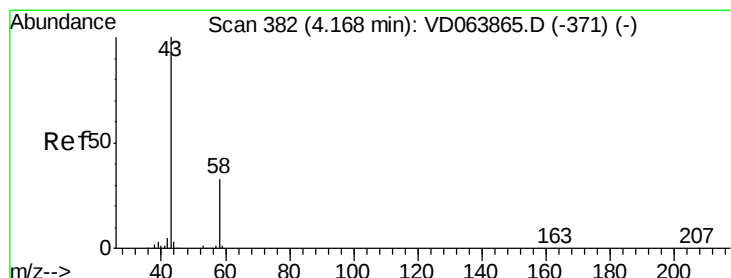
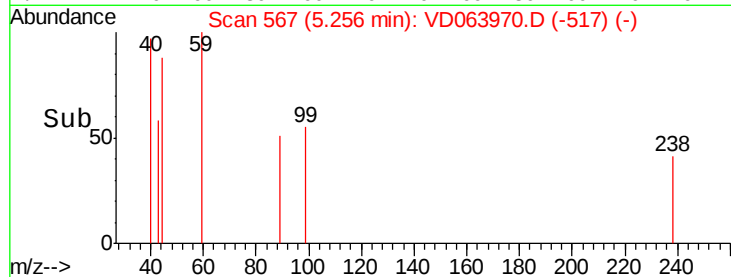
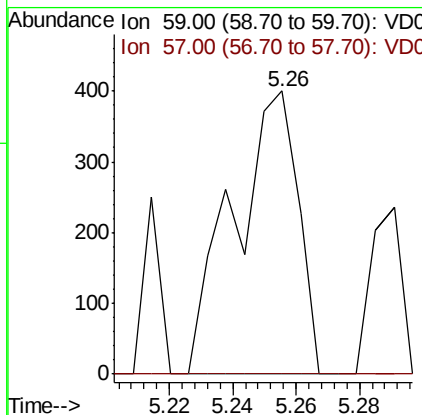
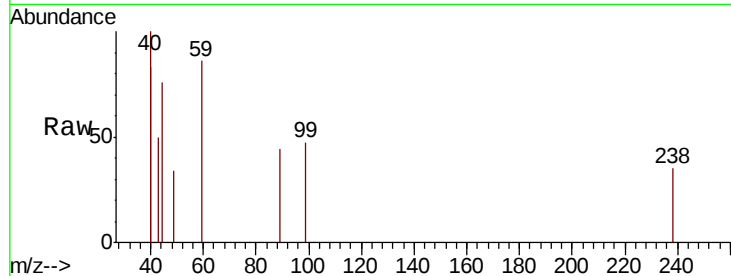


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

Instrument :
 MSVOA_D
 ClientSampleID :
 VOC-31

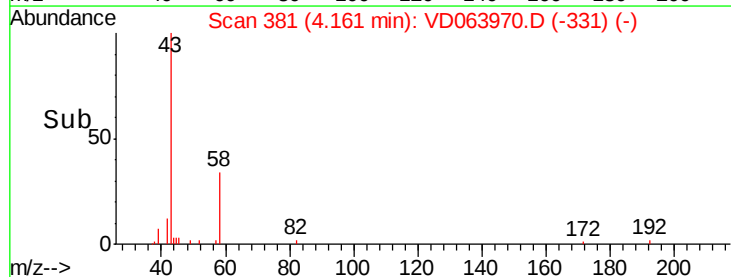
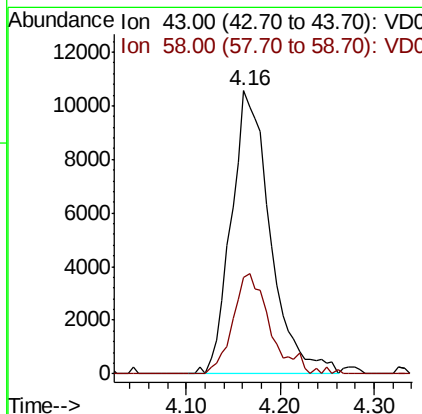
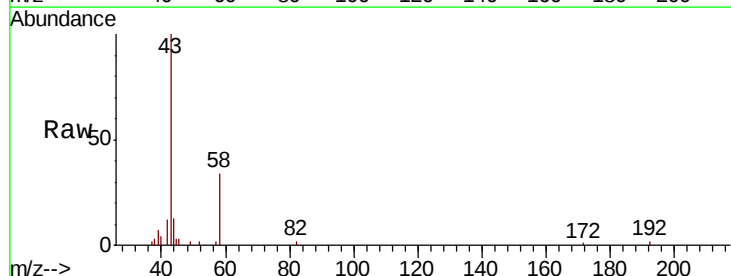
Tot Ion: 59 Resp: 563
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

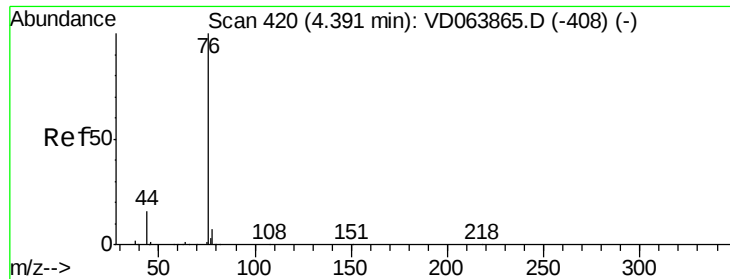


#16

Acetone
 Concen: 65.693 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

Tgt Ion: 43 Resp: 30375
 Ion Ratio Lower Upper
 43 100
 58 33.9 26.2 39.4





#17

Carbon Disulfide

Concen: 1.173 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

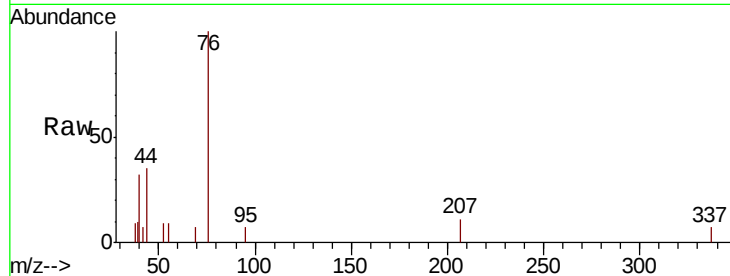
VOC-31

Tot Ion: 76 Resp: 6516

Ion Ratio Lower Upper

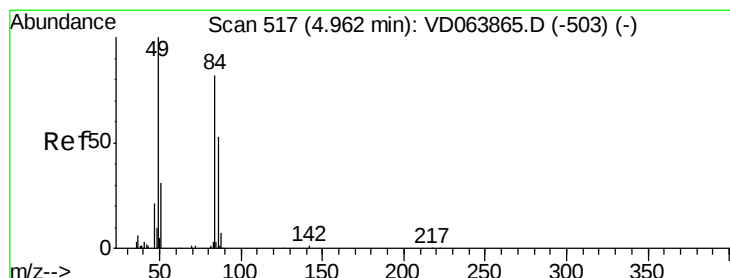
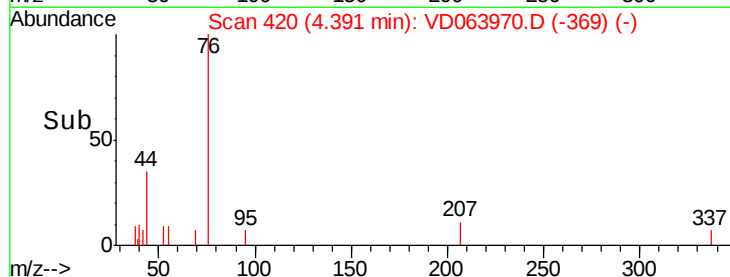
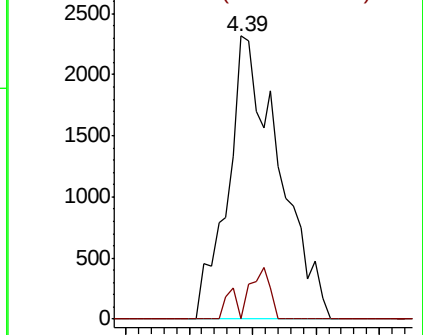
76 100

78 0.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Tgt Ion: 84 Resp: 1316

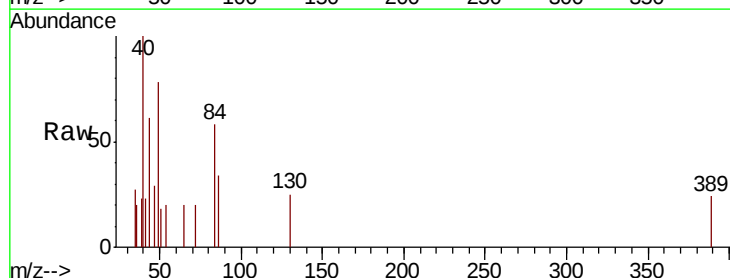
Ion Ratio Lower Upper

84 100

49 133.1 97.3 145.9

51 30.8 30.1 45.1

86 58.4 51.4 77.2

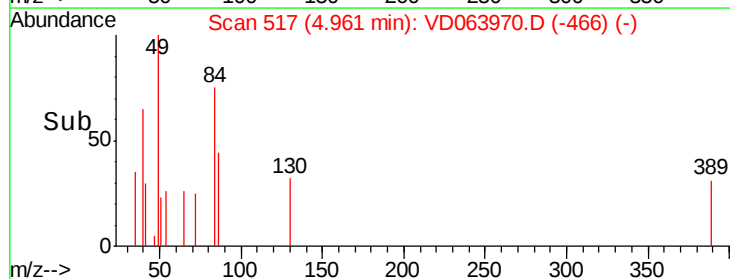
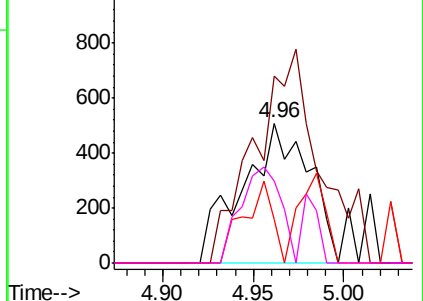


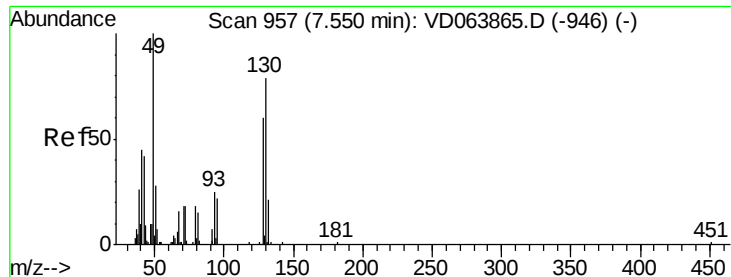
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

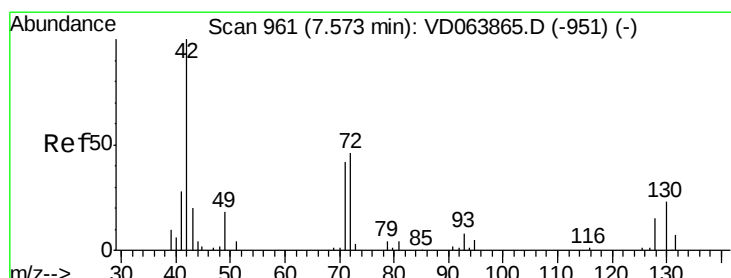
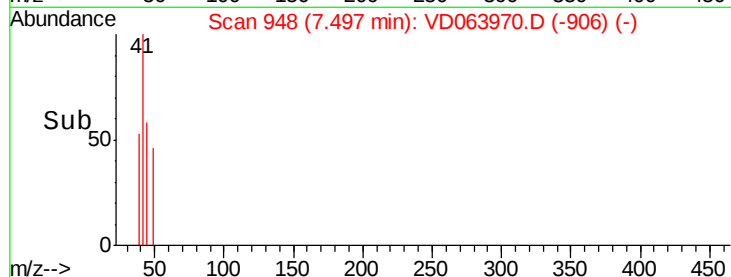
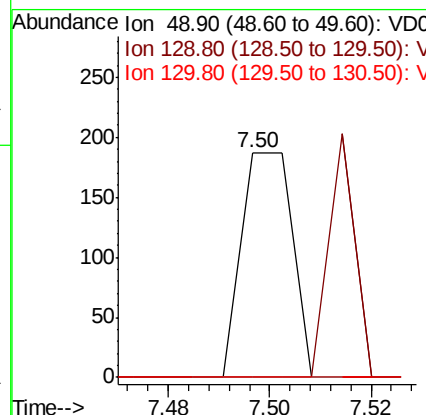
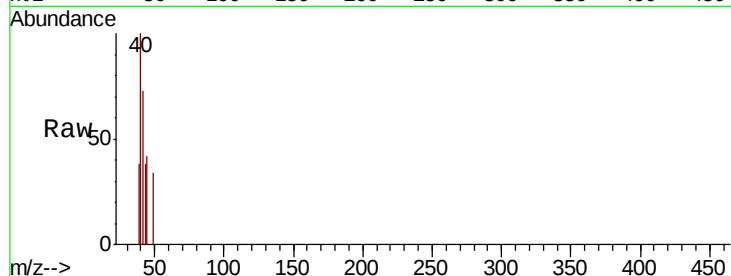




#28
Bromochloromethane
Concen: 1.969 ug/l
RT: 7.50 min Scan# 948
Delta R.T. -0.05 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

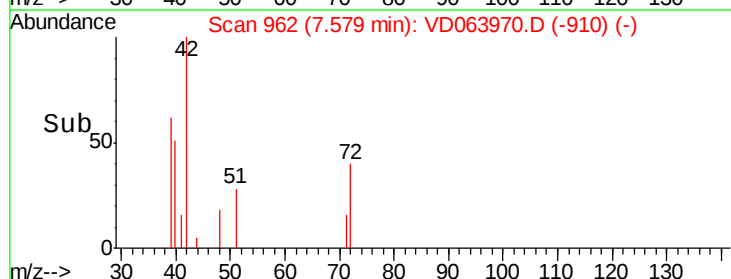
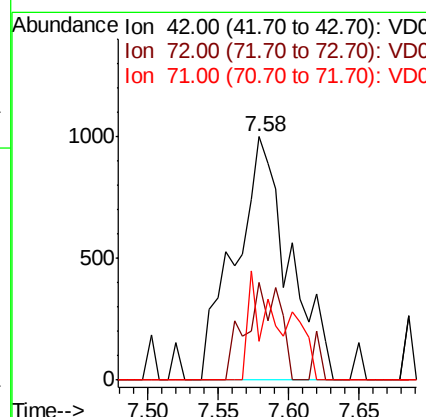
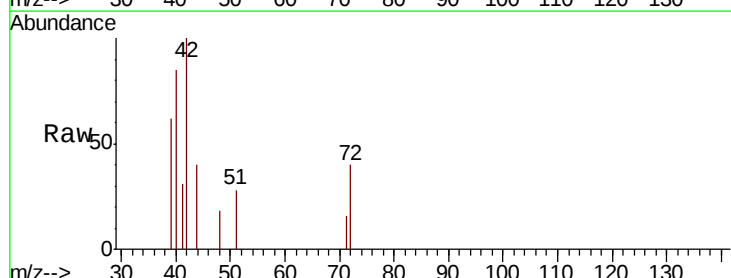
Instrument :
MSVOA_D
ClientSampled :
VOC-31

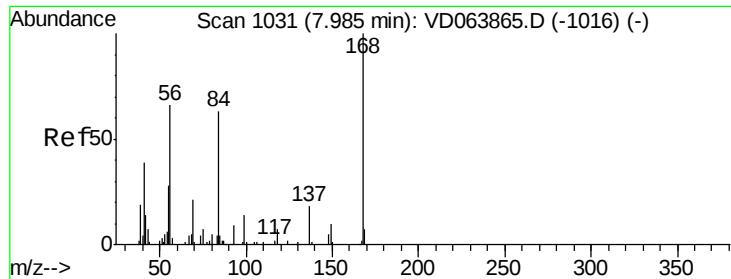
Tot Ion: 49 Resp: 132
Ion Ratio Lower Upper
49 100
129 54.5 0.0 5.6#
130 0.0 66.8 100.2#



#29
Tetrahydrofuran
Concen: 8.382 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

Tgt Ion: 42 Resp: 2681
Ion Ratio Lower Upper
42 100
72 25.3 37.6 56.4#
71 17.7 35.0 52.6#

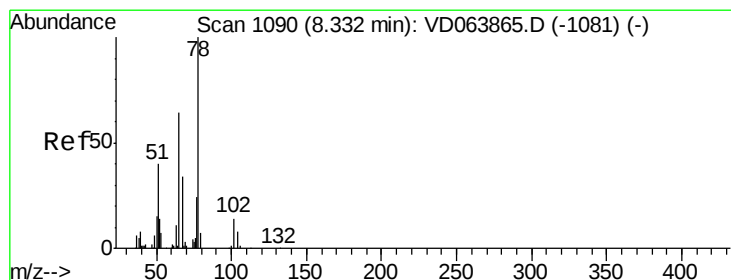
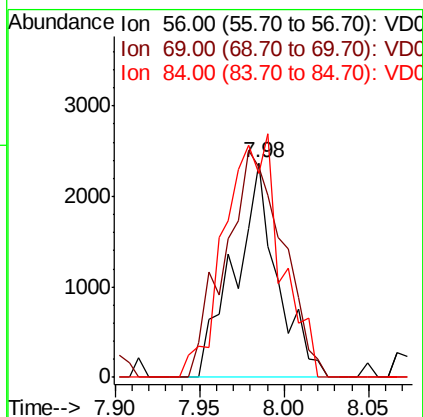
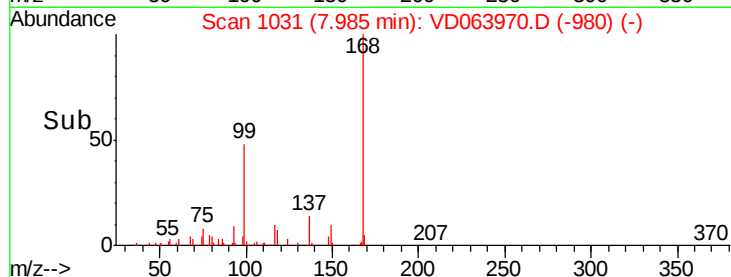
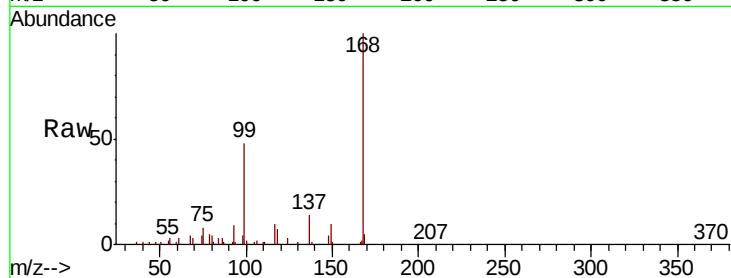




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

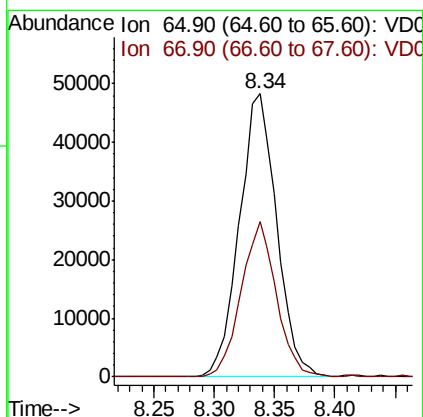
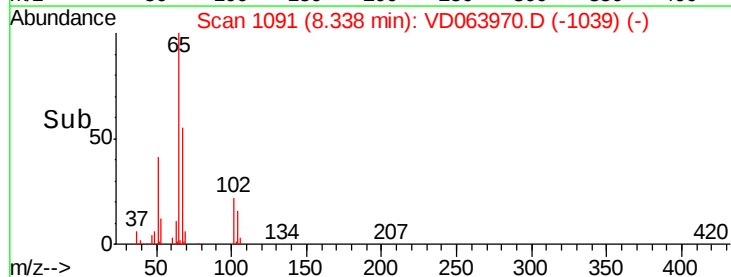
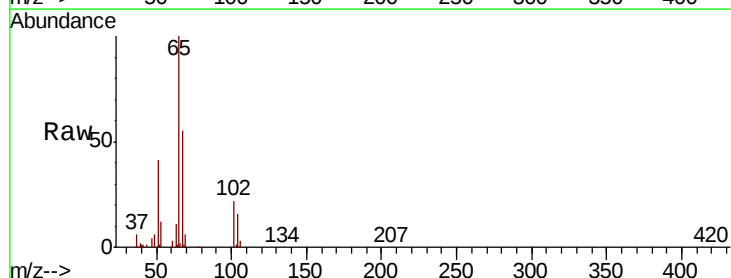
Instrument :
MSVOA_D
ClientSampleId :
VOC-31

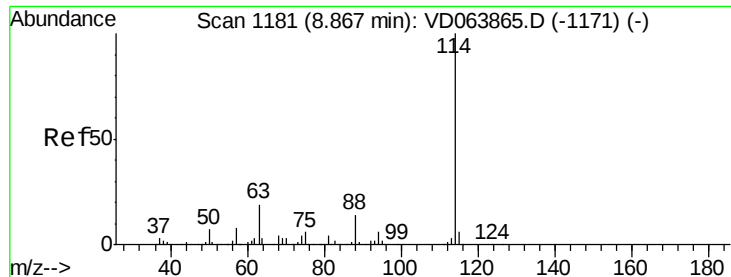
Tot Ion: 56 Resp: 4187
Ion Ratio Lower Upper
56 100
69 98.1 25.0 37.4#
84 95.1 76.3 114.5



#33
1,2-Dichloroethane-d4
Concen: 58.699 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

Tgt Ion: 65 Resp: 104247
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.4

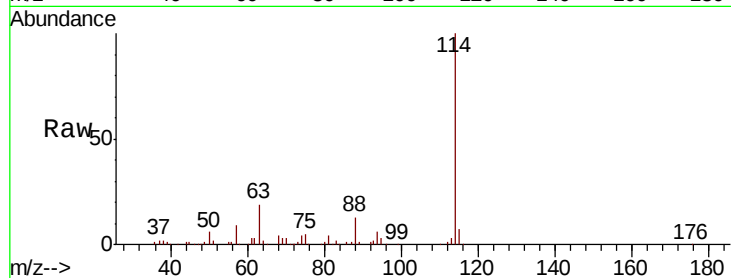




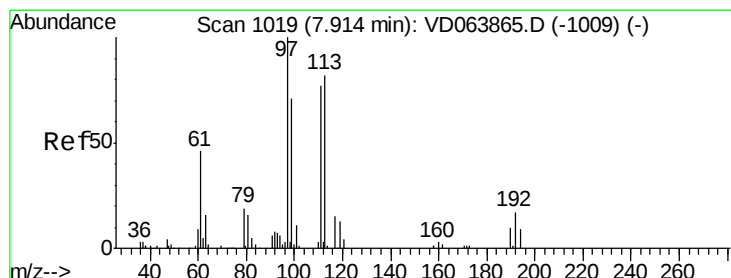
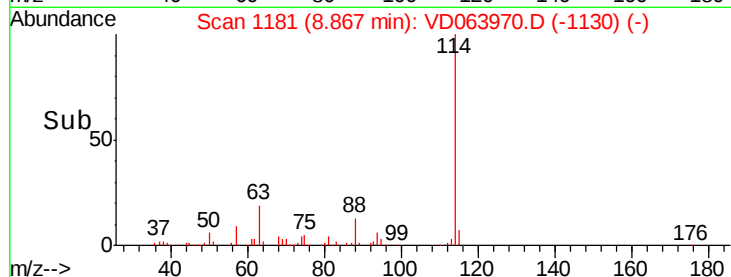
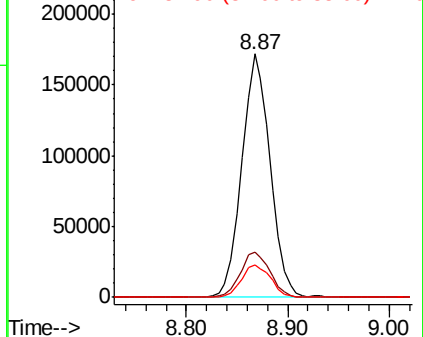
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-31

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.4
88	13.4	0.0	27.4

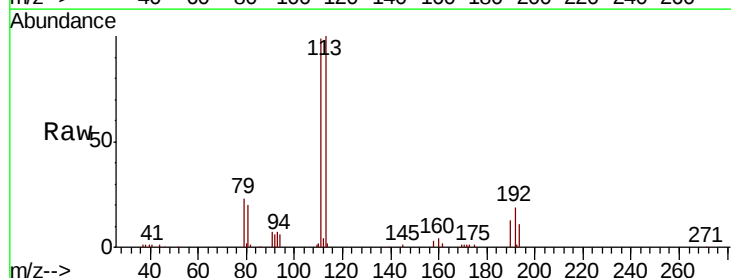


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

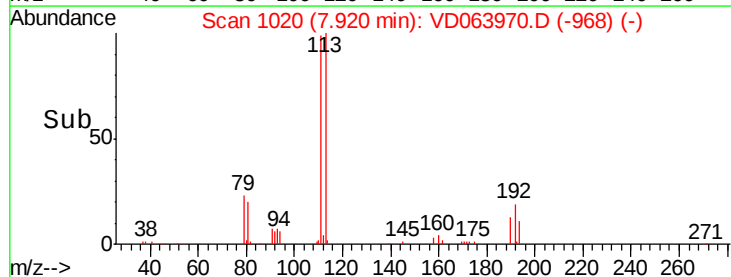
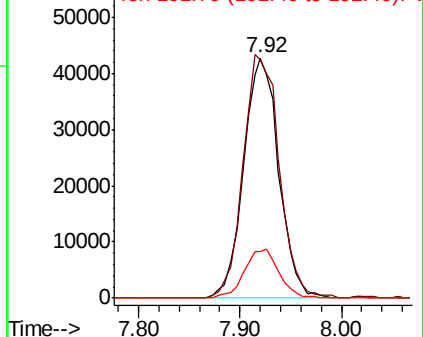


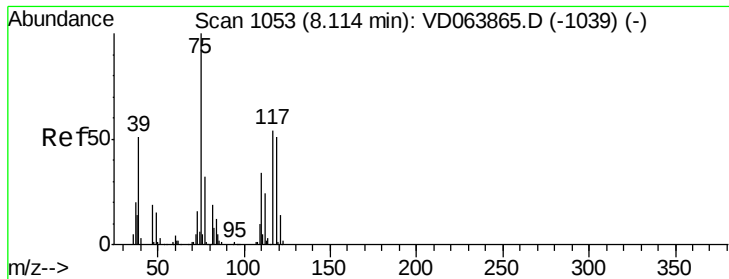
#35
 Dibromofluoromethane
 Concen: 50.382 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	19.9	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

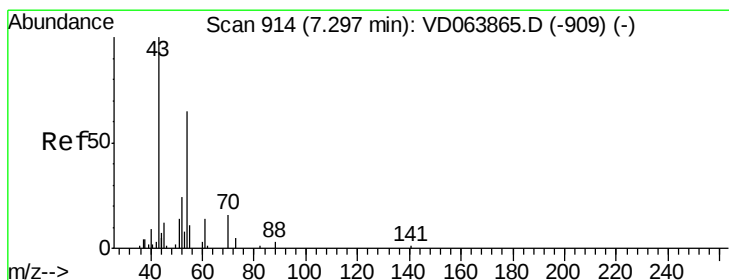
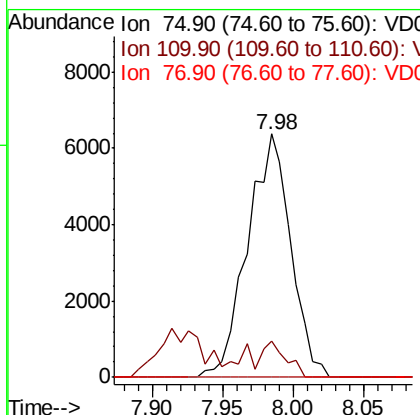
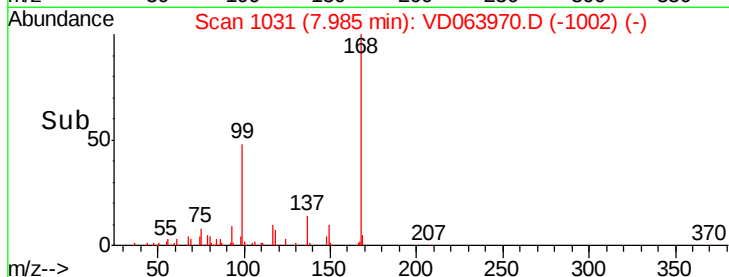
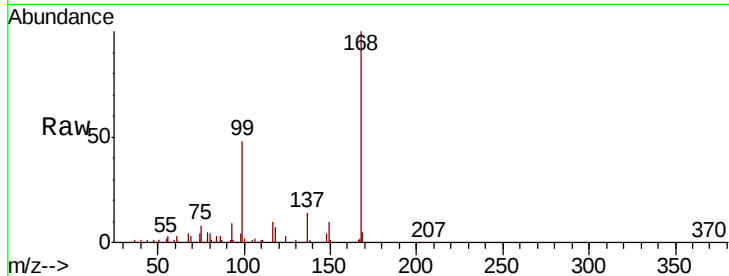




#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

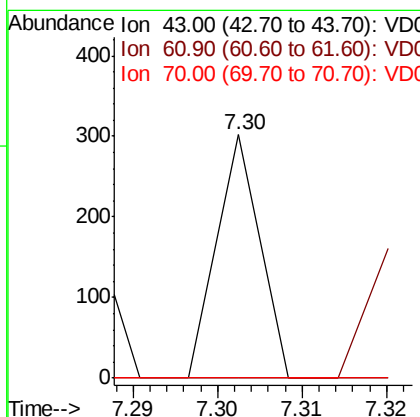
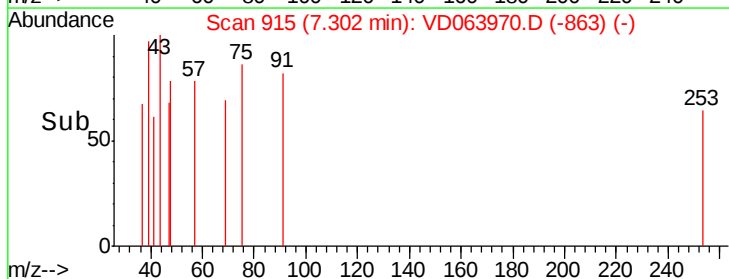
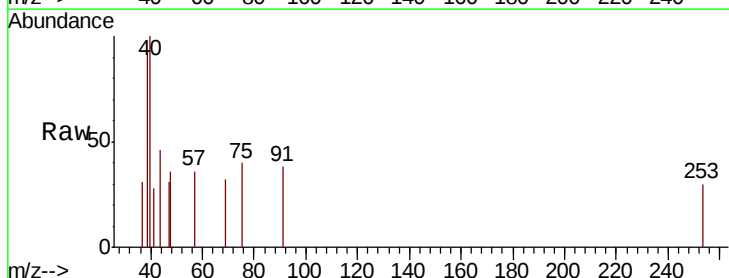
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-31

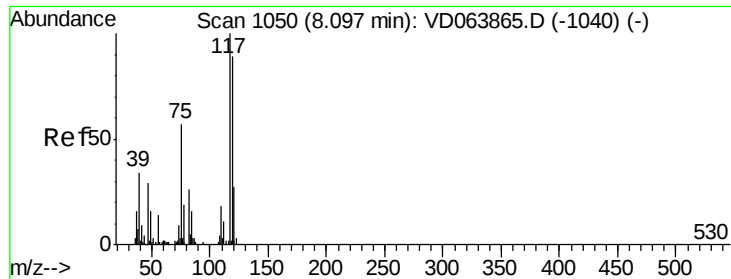
Tot Ion: 75 Resp: 13680
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD063970.D
 Acq: 15 Oct 2019 14:23

Tgt Ion: 43 Resp: 107
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.631 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampled :

VOC-31

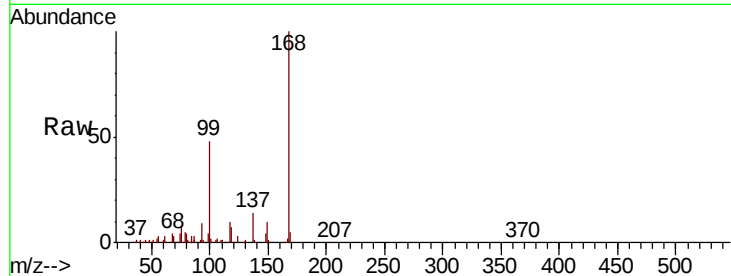
Tot Ion:117 Resp: 17316

Ion Ratio Lower Upper

117 100

119 4.7 70.8 106.2#

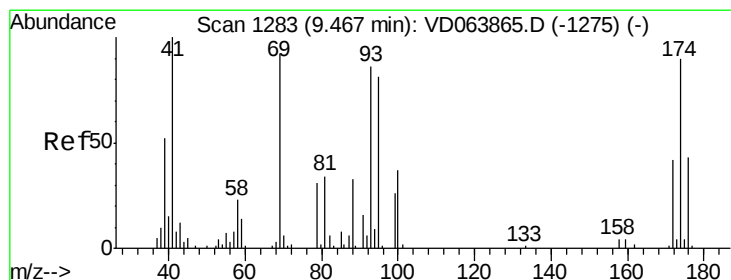
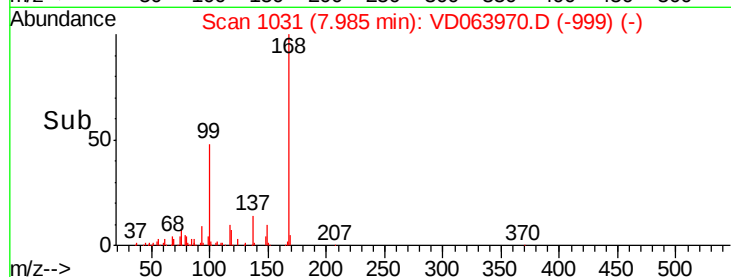
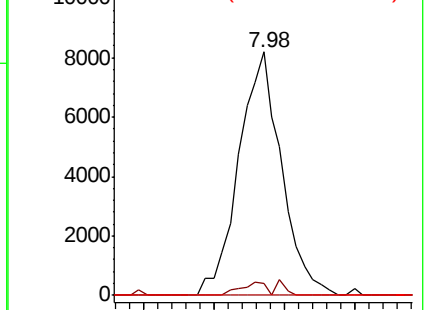
121 0.0 21.4 32.0#



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: 8.859 ug/l

RT: 9.51 min Scan# 1290

Delta R.T. 0.04 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

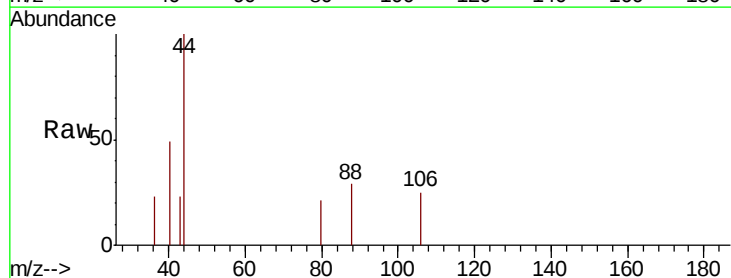
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 41.5 27.6 41.4#

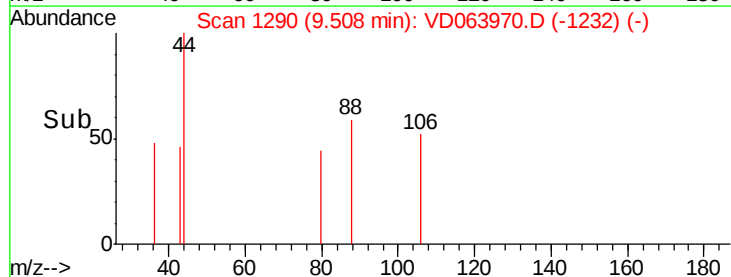
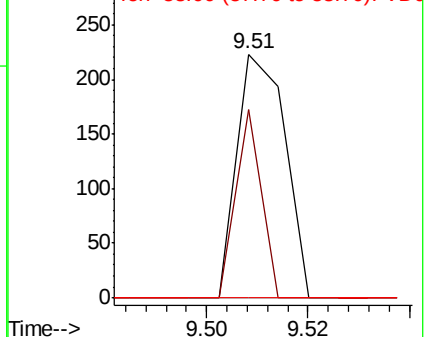
58 0.0 54.1 81.1#

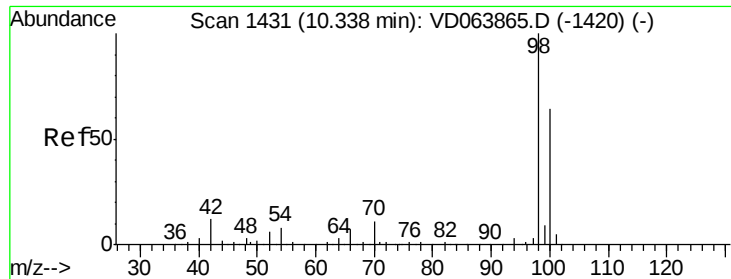


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.710 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampled :

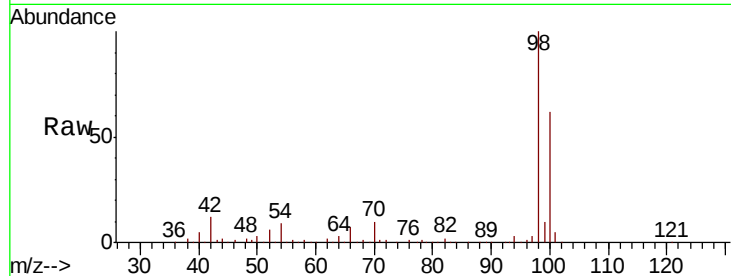
VOC-31

Tot Ion: 98 Resp: 426906

Ion Ratio Lower Upper

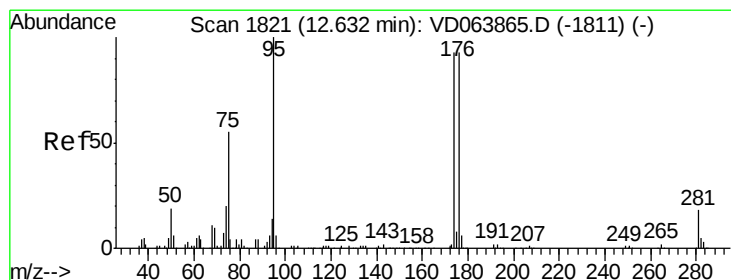
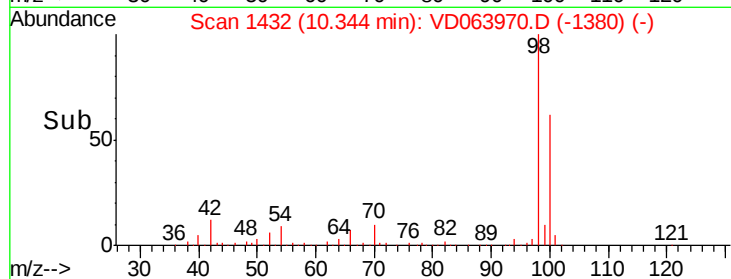
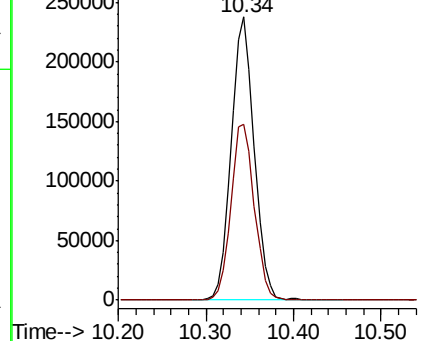
98 100

100 63.0 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: 44.343 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

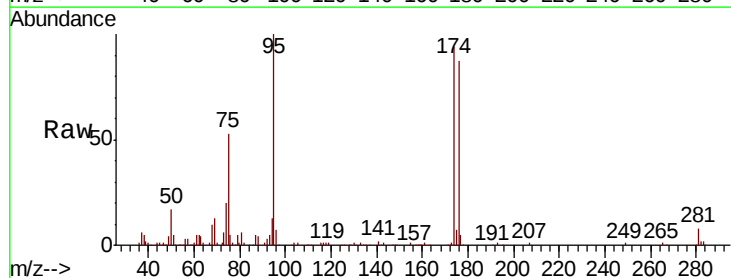
Tgt Ion: 95 Resp: 127215

Ion Ratio Lower Upper

95 100

174 93.2 0.0 186.4

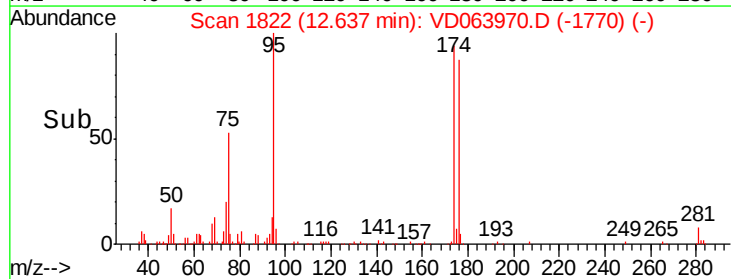
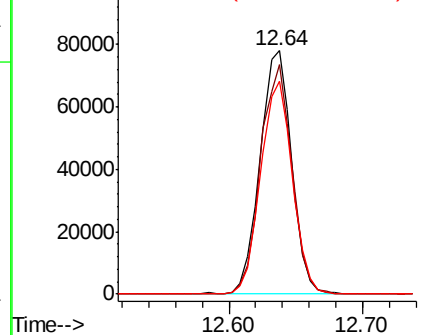
176 88.2 0.0 184.2

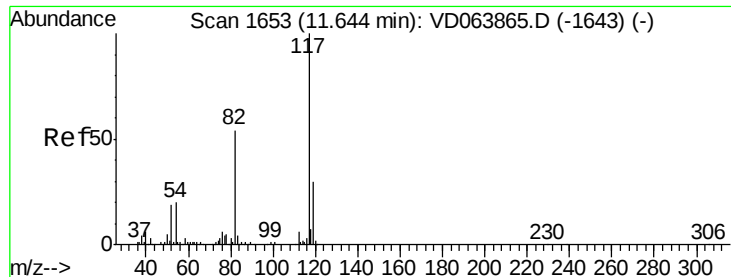


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

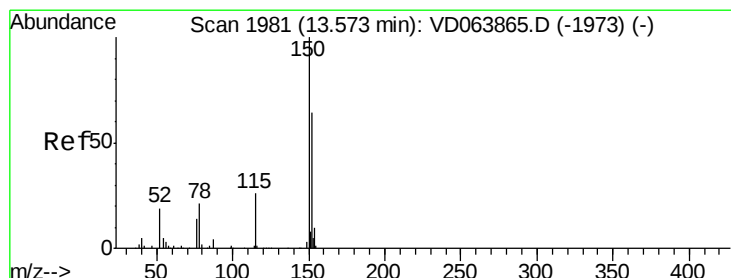
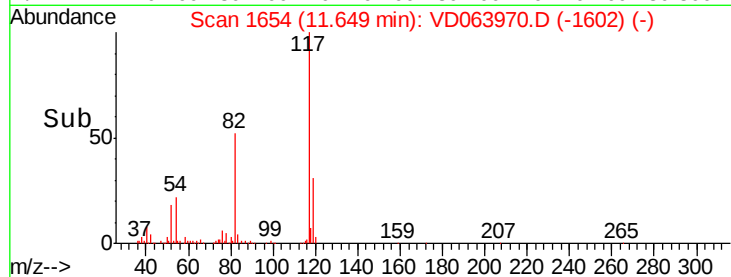
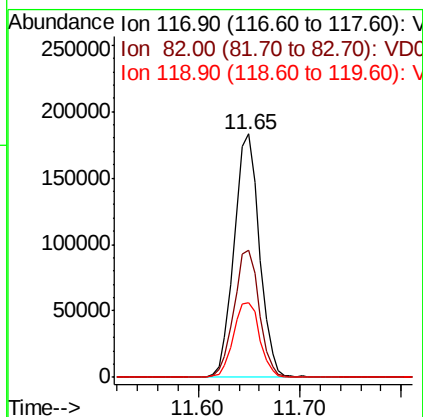
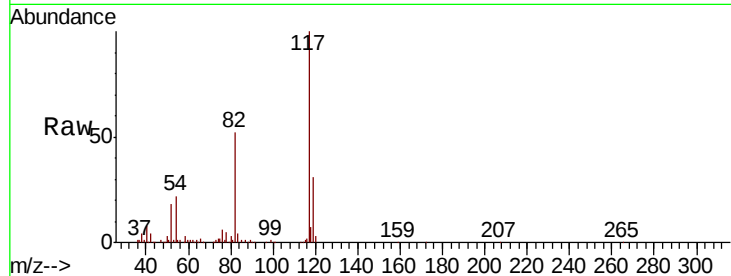




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

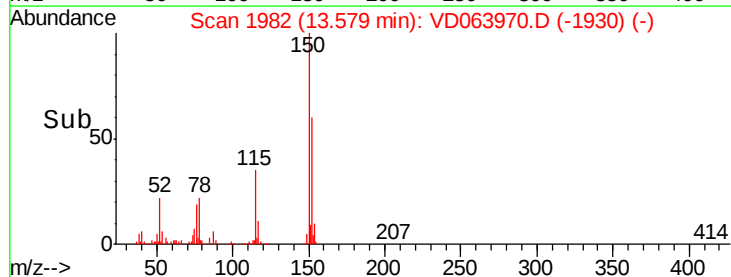
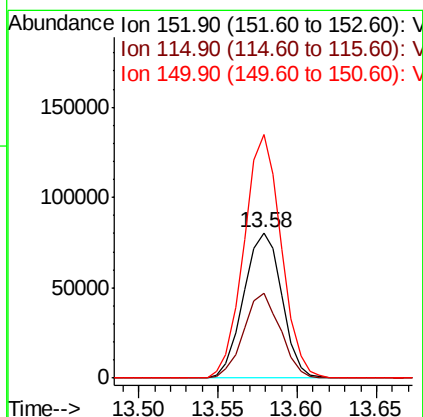
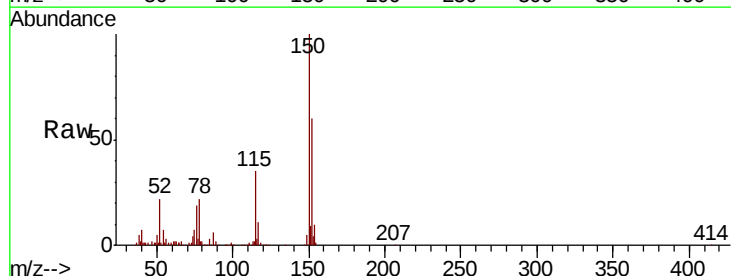
Instrument :
MSVOA_D
ClientSampleId :
VOC-31

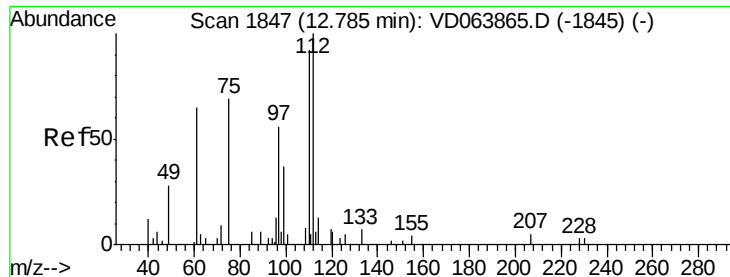
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.8	64.2
119	30.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063970.D
Acq: 15 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	25.9	77.7
150	163.0	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 77.178 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

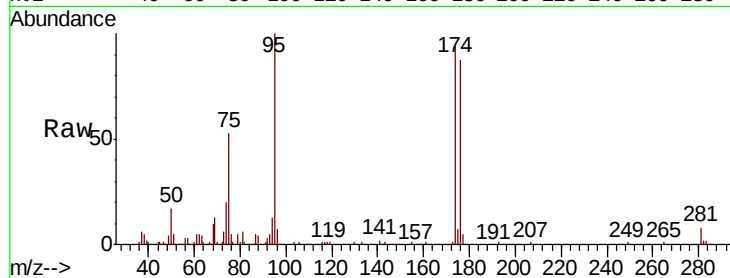
VOC-31

Tot Ion: 75 Resp: 69638

Ion Ratio Lower Upper

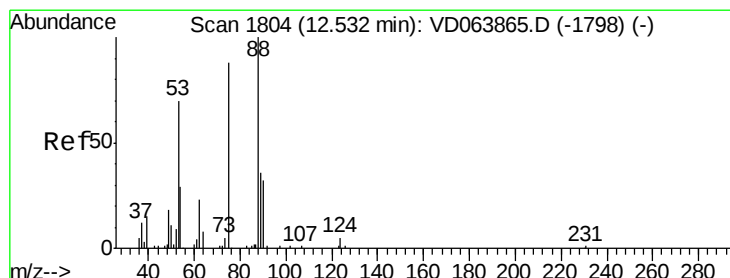
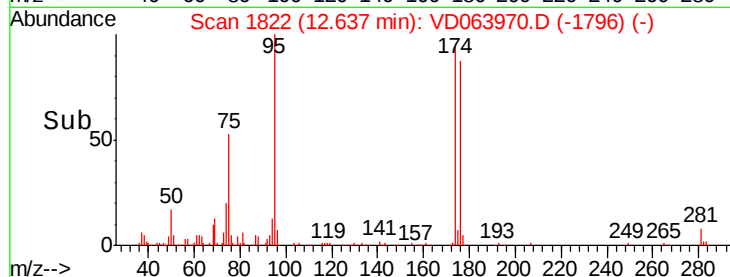
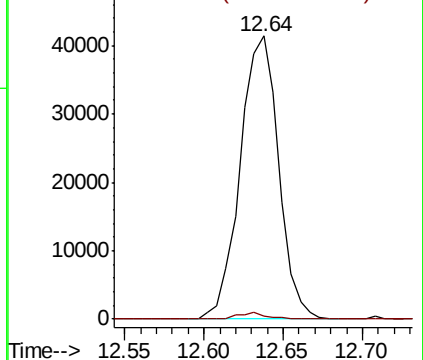
75 100

77 1.8 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: 136.574 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

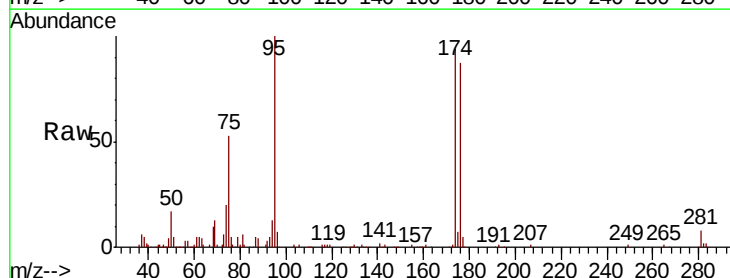
Tgt Ion: 75 Resp: 69638

Ion Ratio Lower Upper

75 100

53 0.3 75.0 112.6#

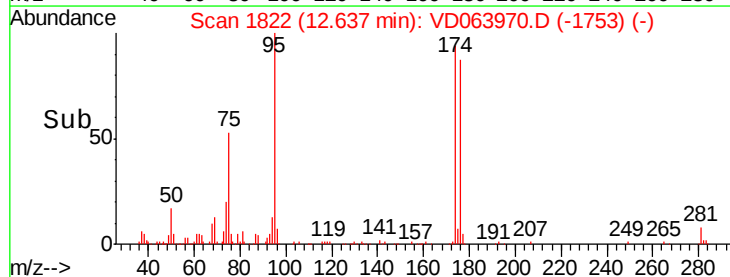
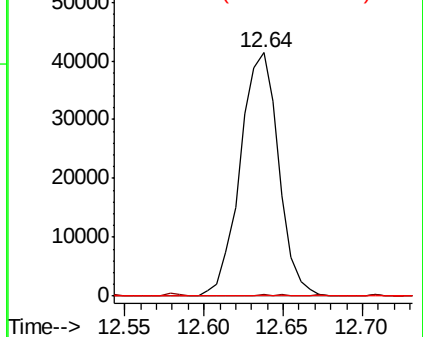
89 0.0 38.2 57.4#

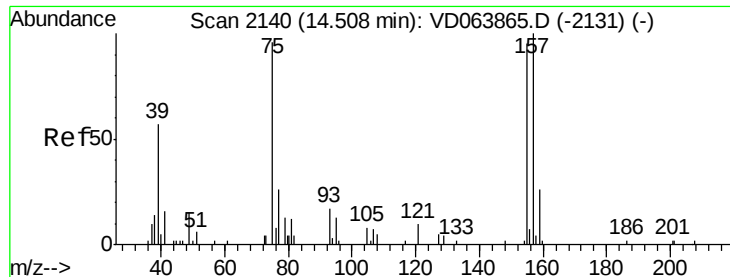


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD063970.D

Acq: 15 Oct 2019 14:23

Instrument :

MSVOA_D

ClientSampleId :

VOC-31

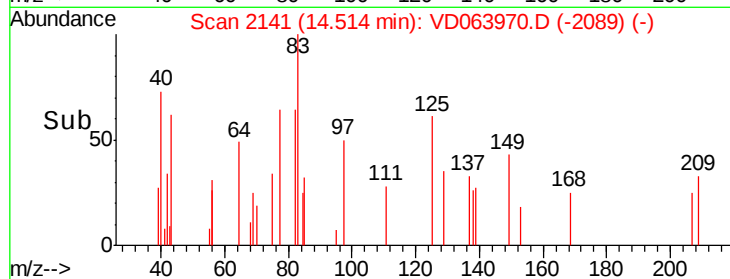
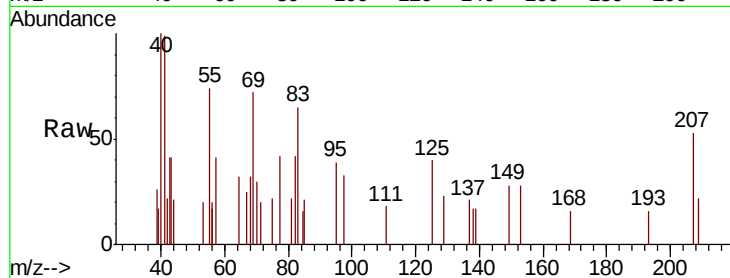
Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 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

