

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064018.D
 Acq On : 23 Oct 2019 13:51
 Operator : VA/SY
 Sample : VD1023SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:56:39 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	204332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	360908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174464	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	109560	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	7.92	113	107868	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.34	98	463103	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.63	95	146040	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

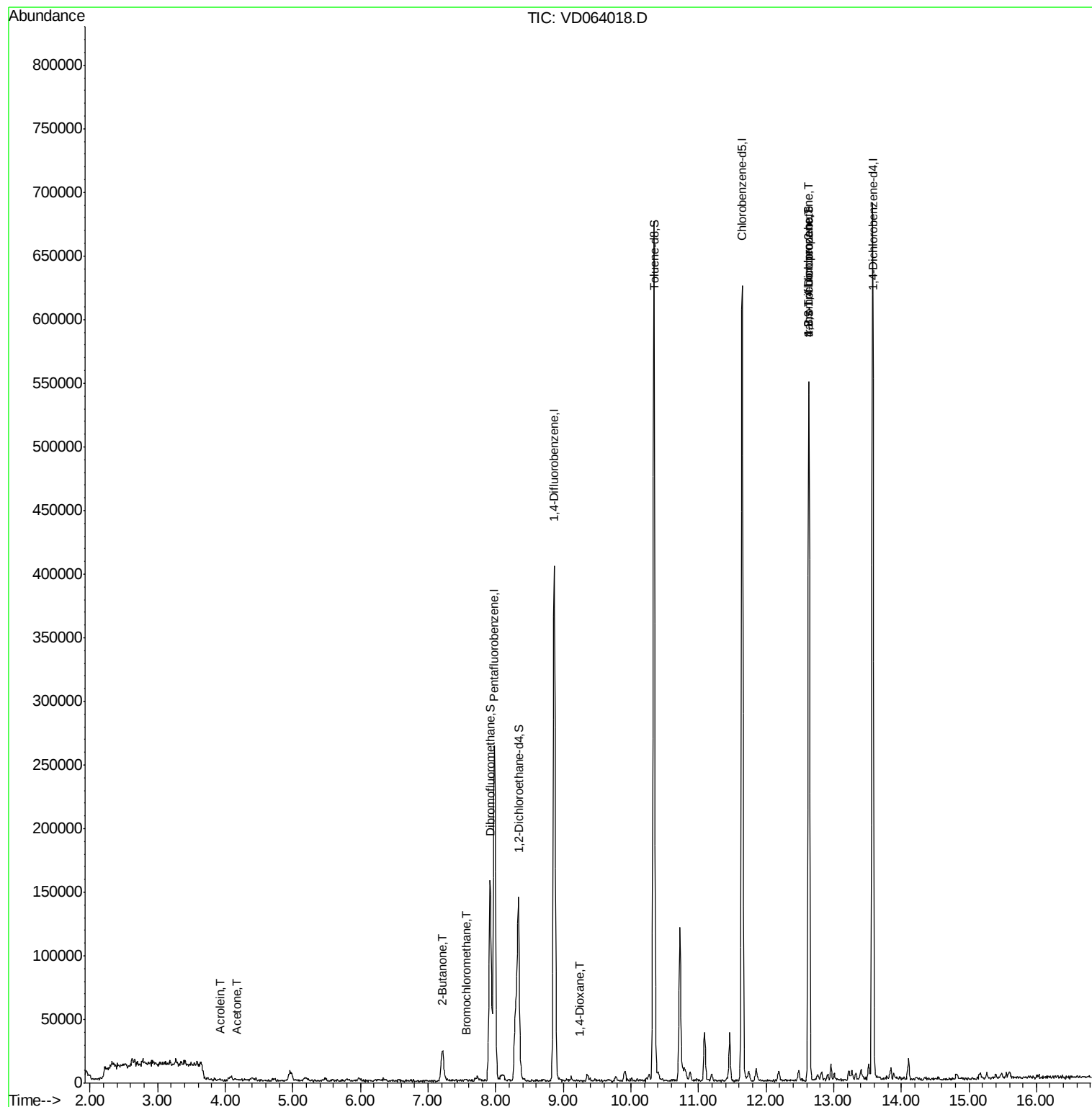
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2493	Below Cal	#	80
11) Tert butyl alcohol	5.27	59	203	Below Cal	#	55
13) Acrolein	3.92	56	287	1.615	ug/l #	41
16) Acetone	4.17	43	719	1.388	ug/l #	72
20) Methylene Chloride	4.96	84	5014	Below Cal	#	85
25) 2-Butanone	7.22	43	1495	2.436	ug/l #	1
28) Bromochloromethane	7.56	49	280	2.062	ug/l #	54
31) Cyclohexane	7.98	56	5371	Below Cal	#	26
37) Ethyl Acetate	7.28	43	343	Below Cal	#	34
49) 1,4-Dioxane	9.24	88	70	3.964	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	81747	69.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	81747	123.798	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	241	Below Cal	#	1

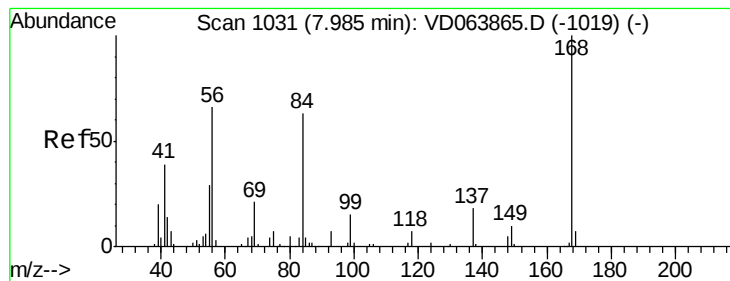
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
Data File : VD064018.D
Acq On : 23 Oct 2019 13:51
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Quant Time: Oct 24 05:56:39 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# 1030

Delta R.T. -0.01 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

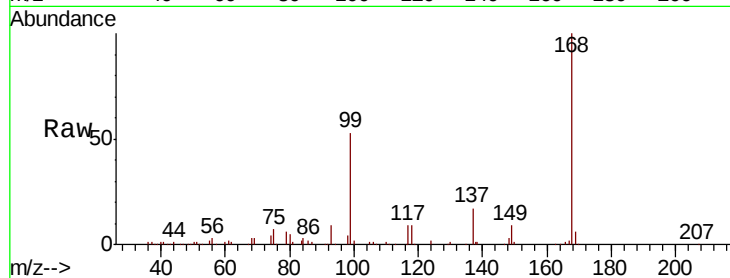
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 204332

Ion Ratio Lower Upper

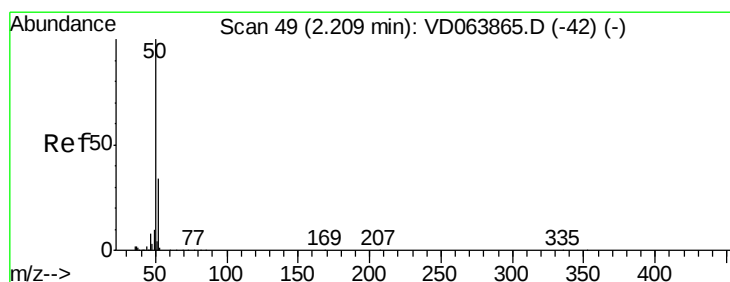
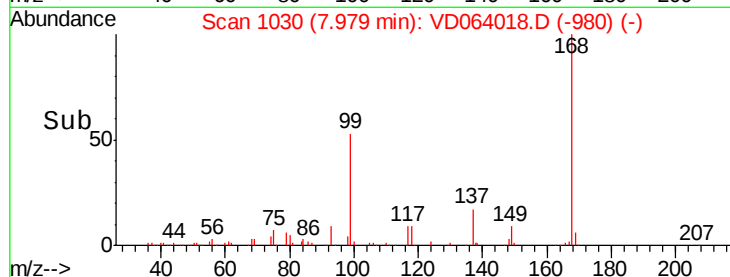
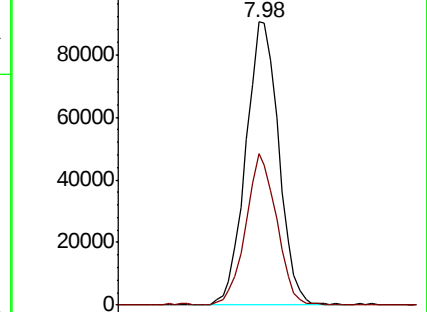
168 100

99 53.4 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: VD064018.D

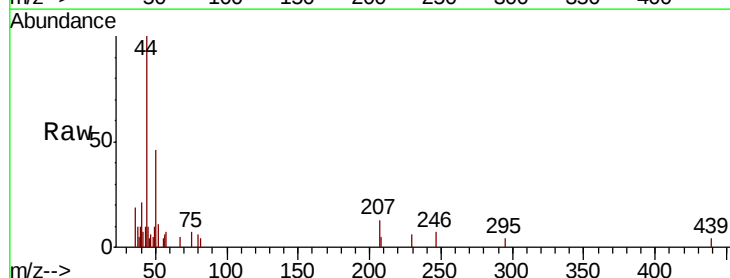
Acq: 23 Oct 2019 13:51

Tgt Ion: 50 Resp: 2493

Ion Ratio Lower Upper

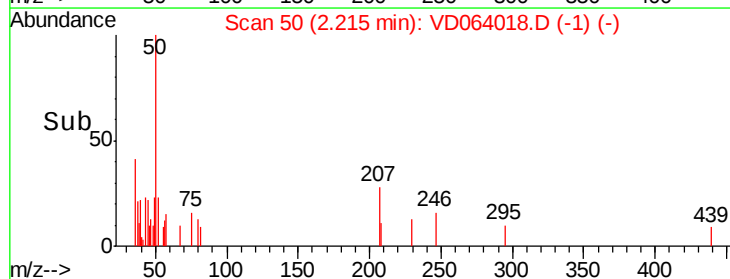
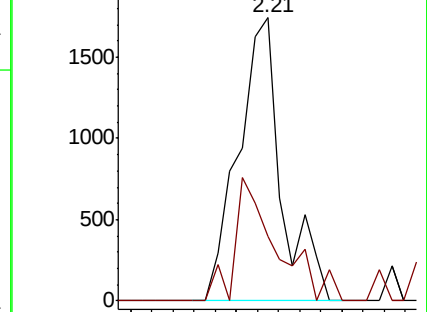
50 100

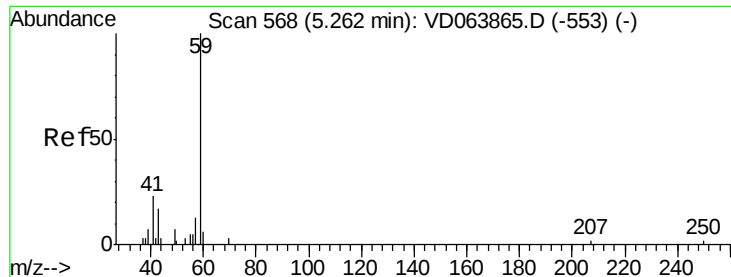
52 23.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



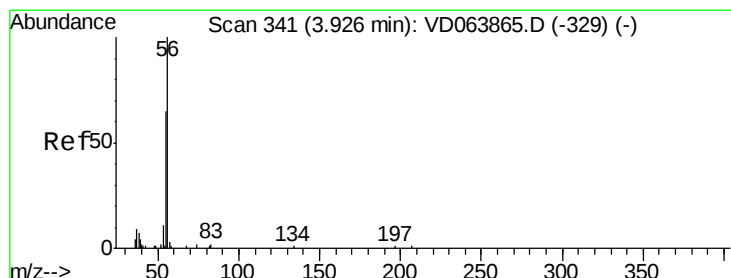
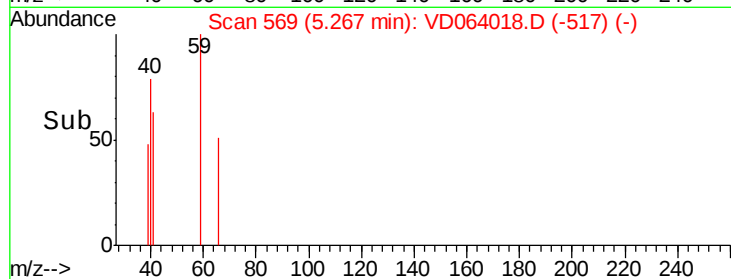
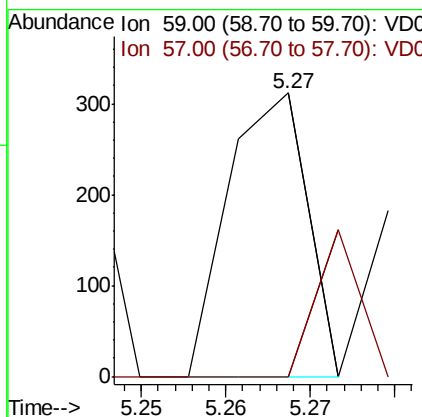
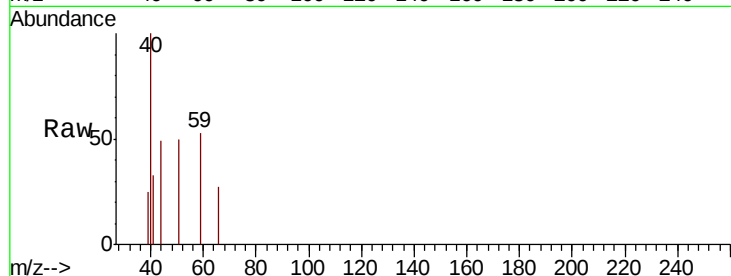


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :

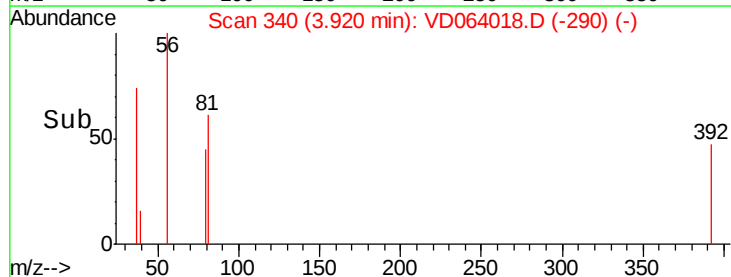
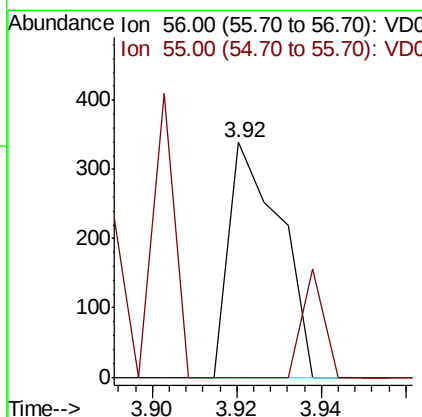
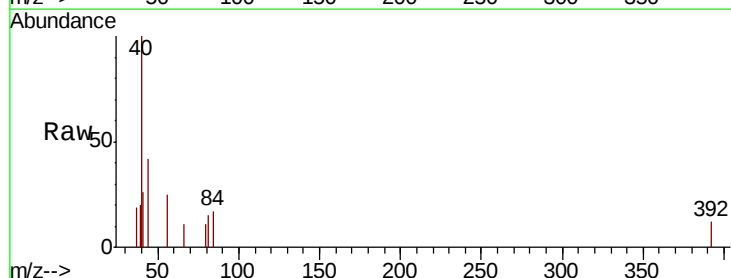
Tot Ion: 59 Resp: 203
 Ion Ratio Lower Upper
 59 100
 57 28.1 8.8 13.2#

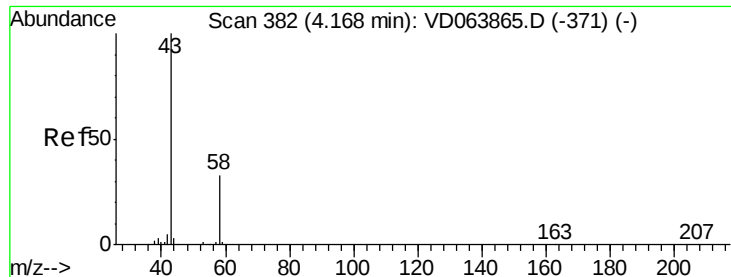


#13

Acrolein
 Concen: 1.615 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 19.2 53.0 79.6#





#16

Acetone

Concen: 1.388 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

Instrument :

MSVOA_D

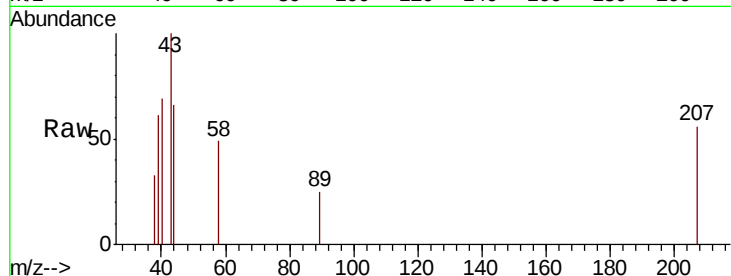
ClientSampled :

Tot Ion: 43 Resp: 719

Ion Ratio Lower Upper

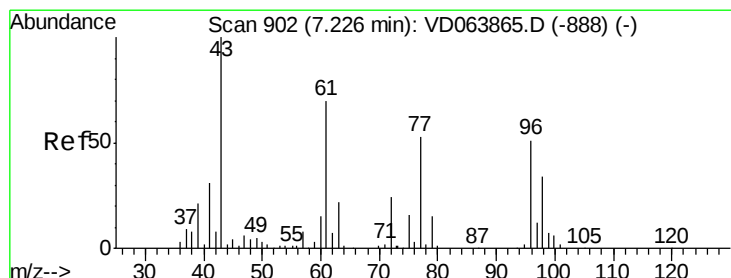
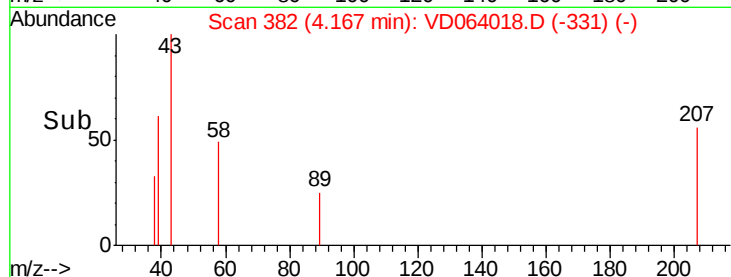
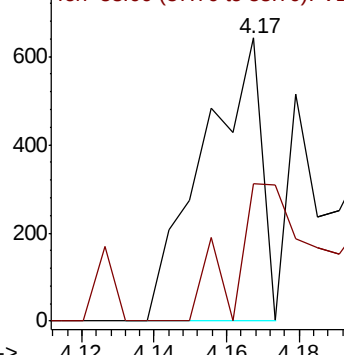
43 100

58 48.8 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 2.436 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064018.D

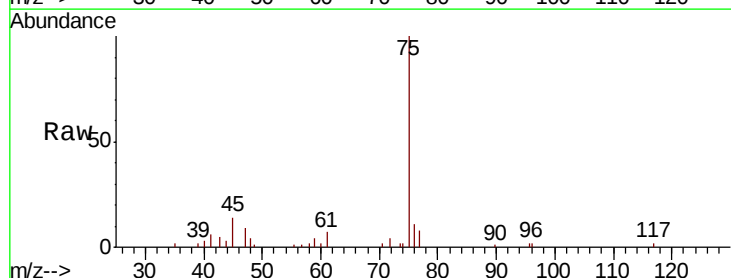
Acq: 23 Oct 2019 13:51

Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

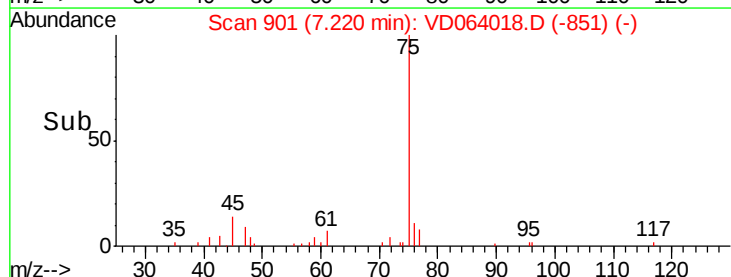
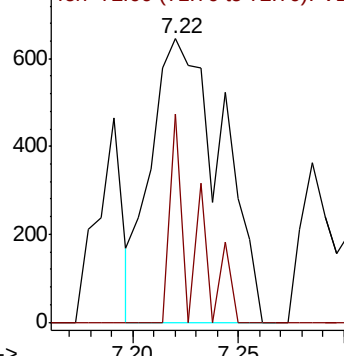
43 100

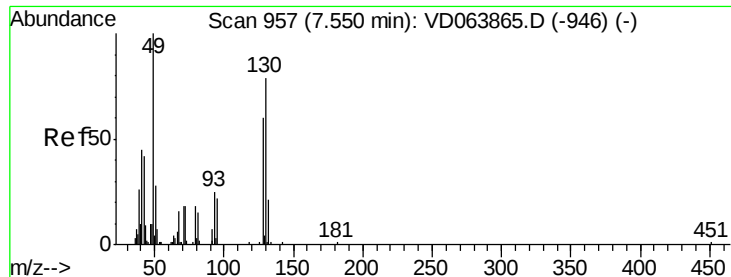
72 73.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#28

Bromochloromethane

Concen: 2.062 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

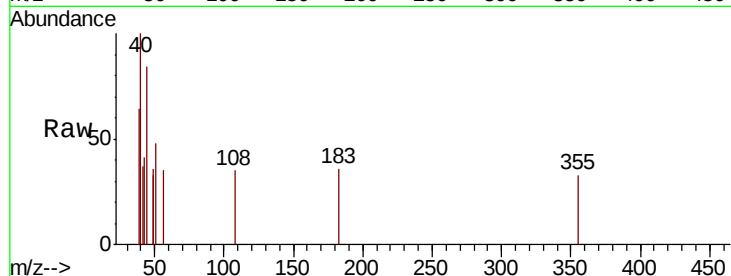
Tot Ion: 49 Resp: 280

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

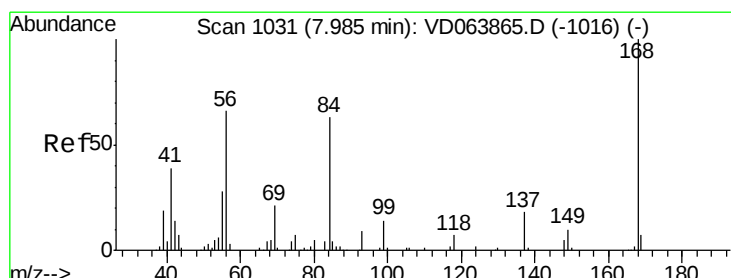
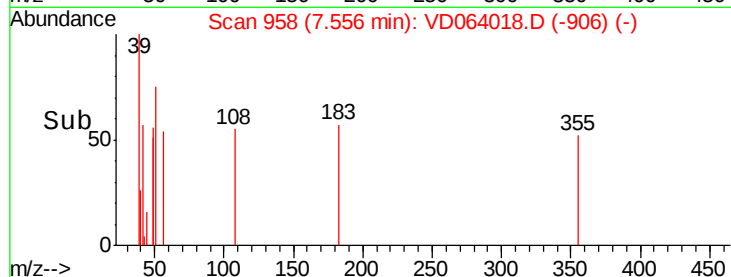
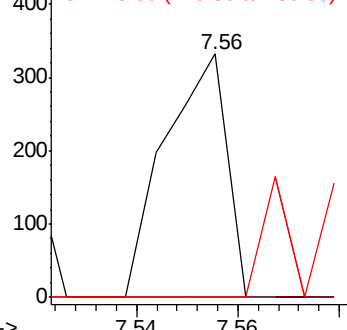
130 40.4 66.8 100.2#



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: VD064018.D

Acq: 23 Oct 2019 13:51

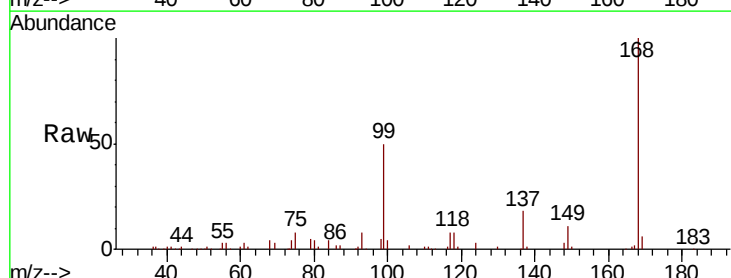
Tgt Ion: 56 Resp: 5371

Ion Ratio Lower Upper

56 100

69 110.0 25.0 37.4#

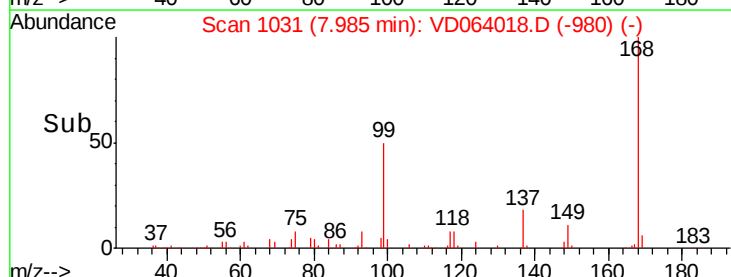
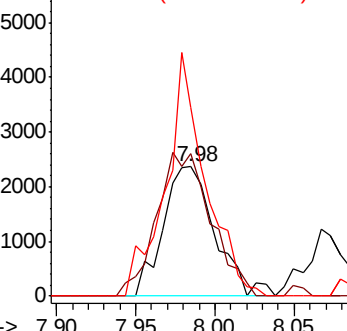
84 145.9 76.3 114.5#

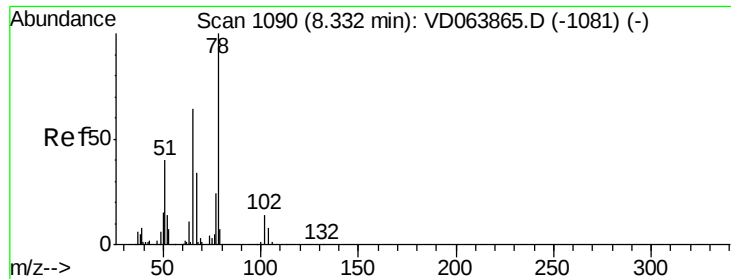


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

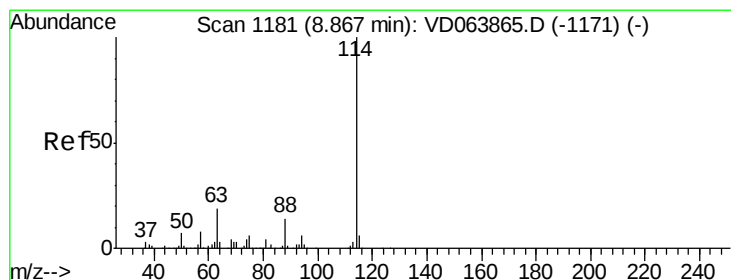
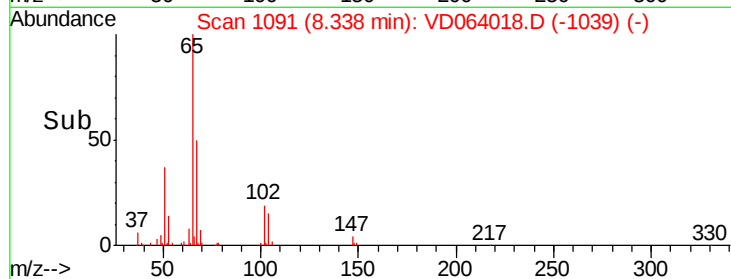
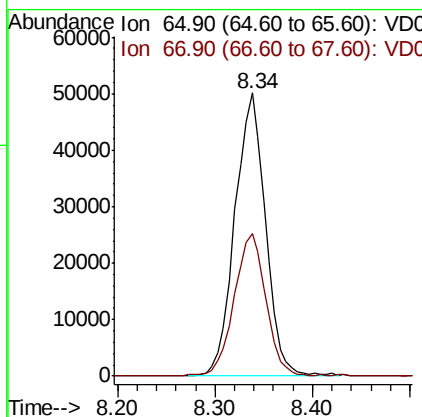
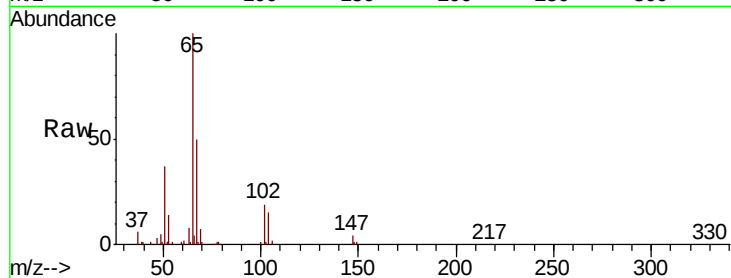




#33
 1,2-Dichloroethane-d4
 Concen: 55.074 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

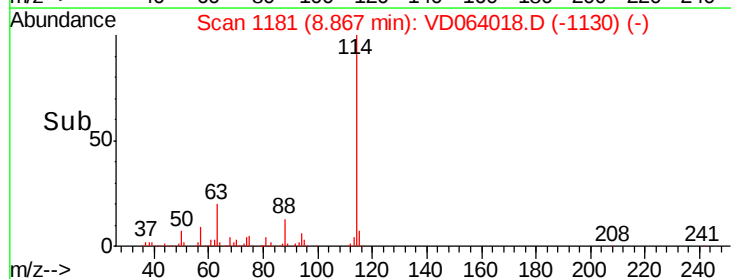
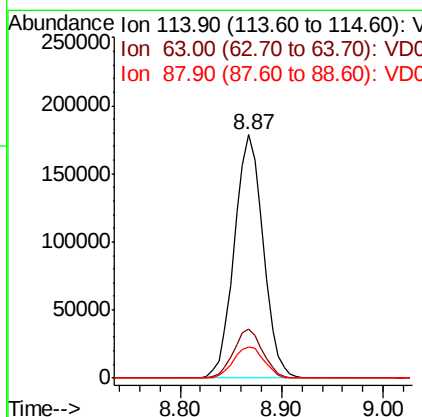
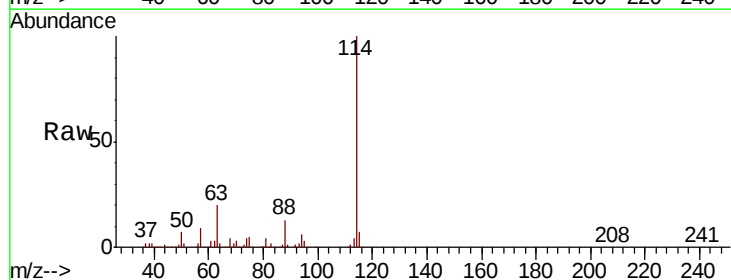
Instrument :
 MSVOA_D
 ClientSampleId :

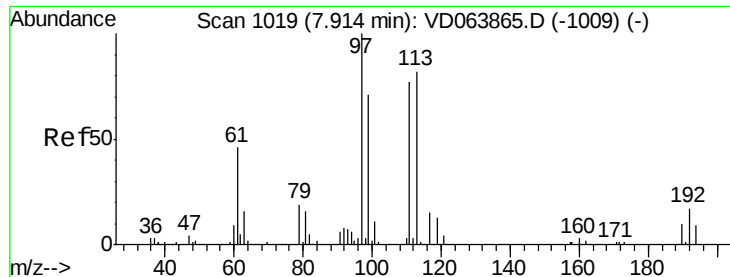
Tot Ion: 65 Resp: 109560
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

Tgt Ion: 114 Resp: 354171
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.4
 88 13.0 0.0 27.4

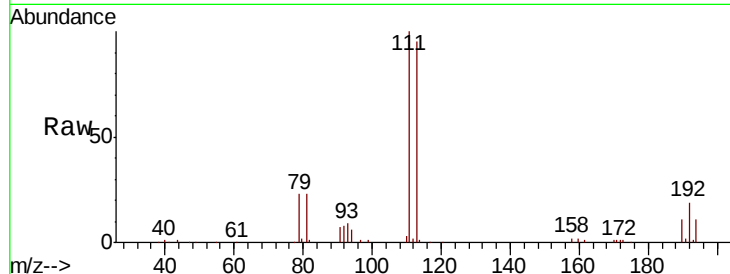




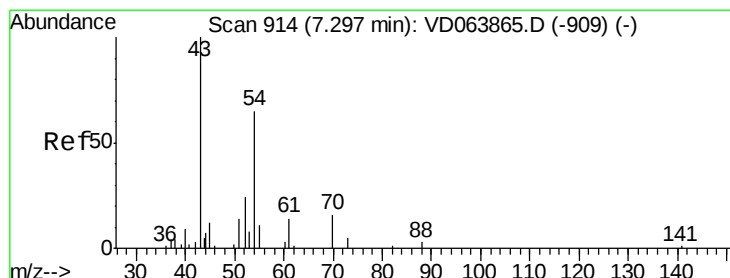
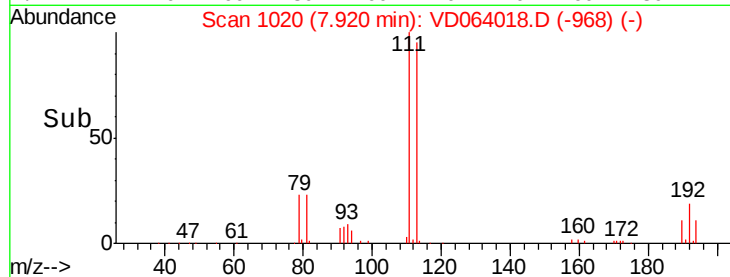
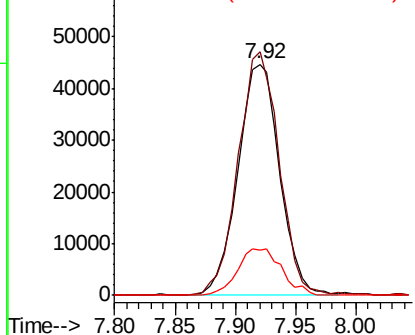
#35
Dibromofluoromethane
Concen: 49.836 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064018.D
Acq: 23 Oct 2019 13:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 107868
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 21.2 17.1 25.7

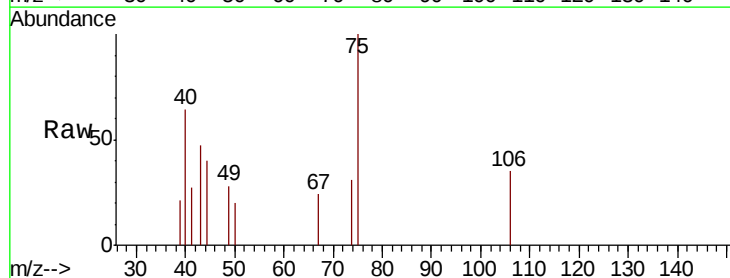


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

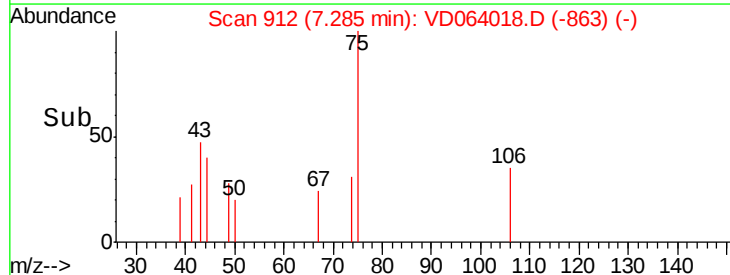
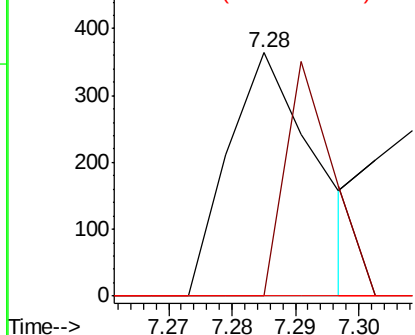


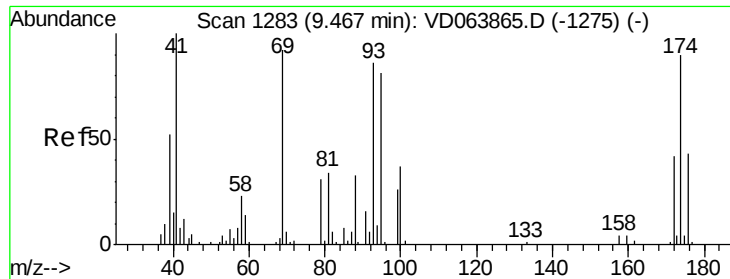
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD064018.D
Acq: 23 Oct 2019 13:51

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
61 53.1 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

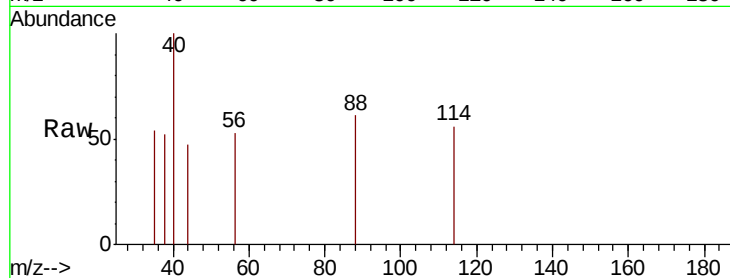




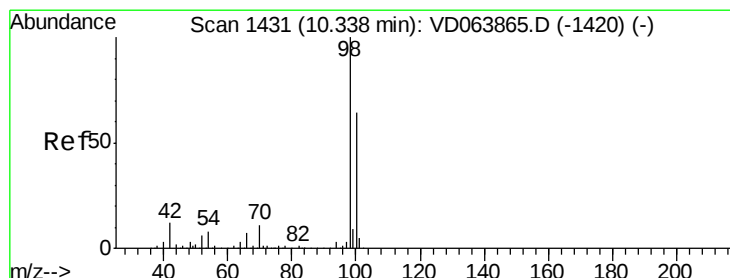
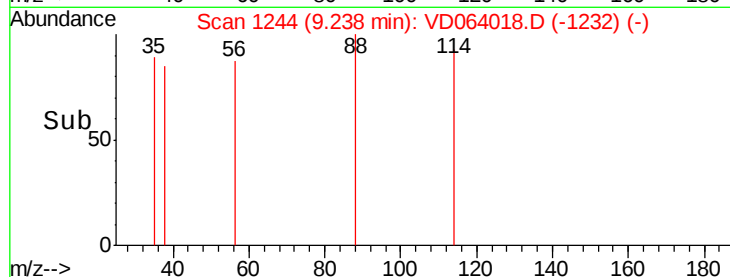
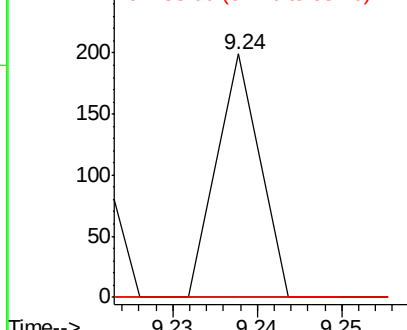
#49
 1,4-Dioxane
 Concen: 3.964 ug/l
 RT: 9.24 min Scan# 1244
 Delta R.T. -0.23 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 70
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.6 41.4#
 58 0.0 54.1 81.1#

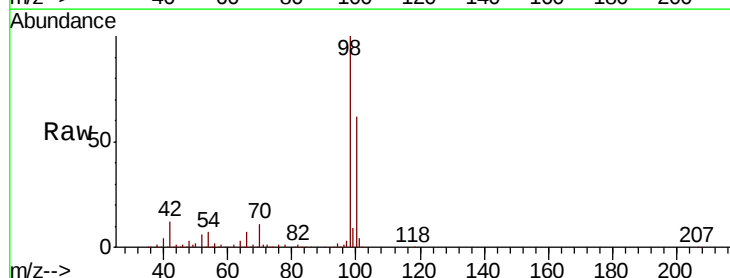


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

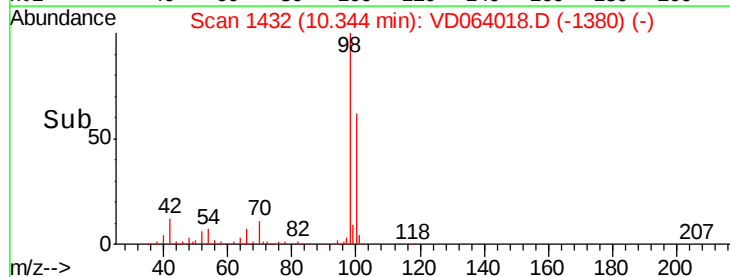
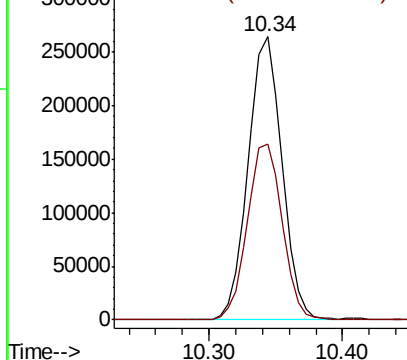


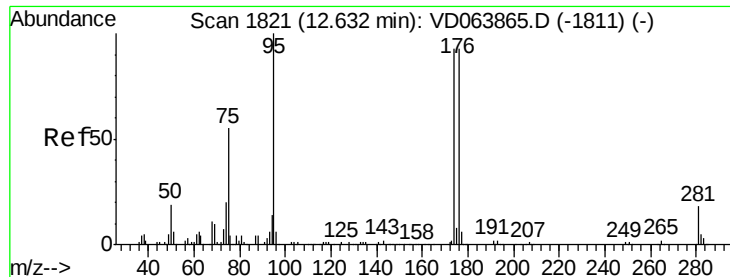
#50
 Toluene-d8
 Concen: 52.714 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064018.D
 Acq: 23 Oct 2019 13:51

Tgt Ion: 98 Resp: 463103
 Ion Ratio Lower Upper
 98 100
 100 64.1 52.1 78.1



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

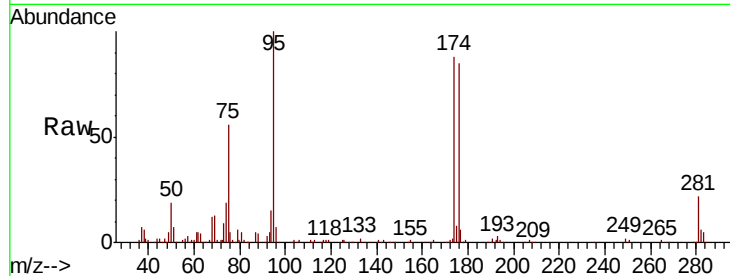




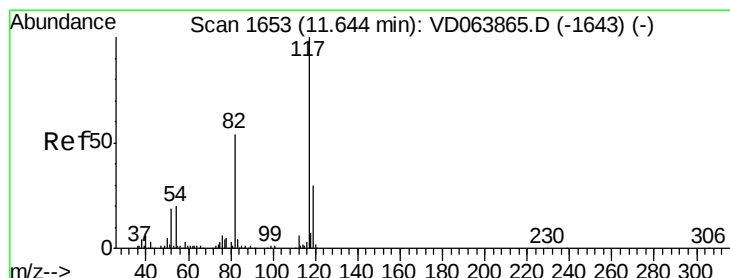
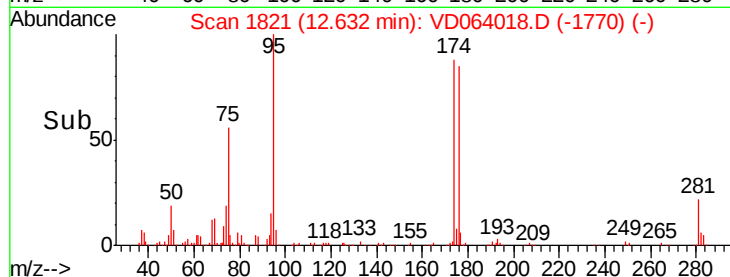
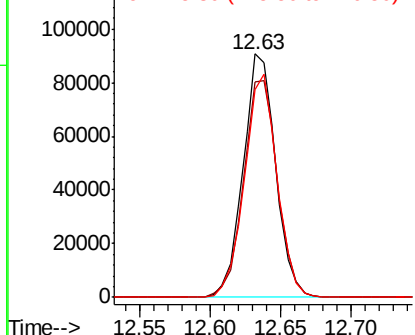
#62
4-Bromofluorobenzene
Concen: 47.837 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD064018.D
Acq: 23 Oct 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 146040
Ion Ratio Lower Upper
95 100
174 93.0 0.0 186.4
176 92.0 0.0 184.2

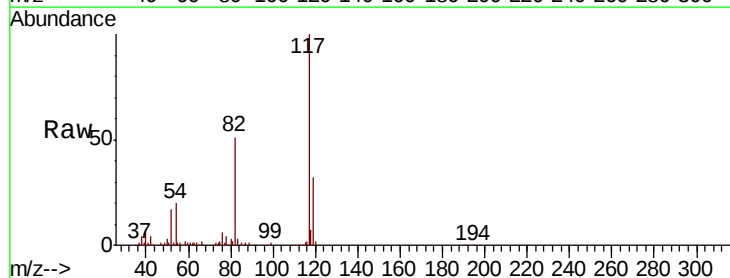


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

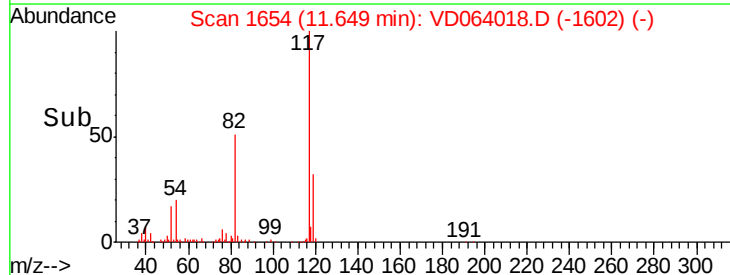
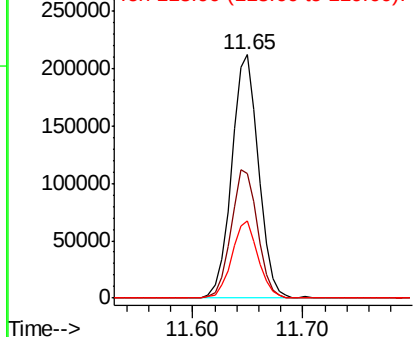


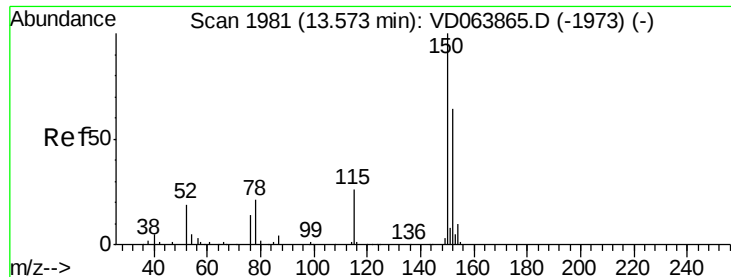
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064018.D
Acq: 23 Oct 2019 13:51

Tgt Ion: 117 Resp: 360908
Ion Ratio Lower Upper
117 100
82 51.1 42.8 64.2
119 31.6 24.4 36.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

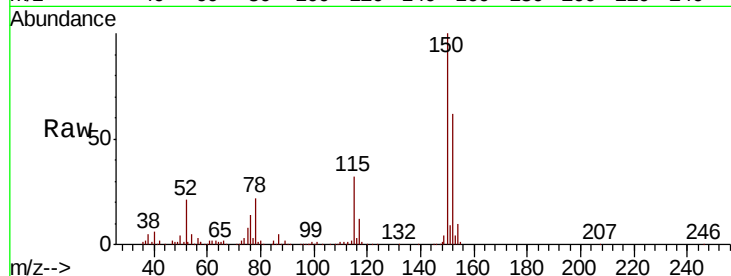
Tot Ion:152 Resp: 174464

Ion Ratio Lower Upper

152 100

115 55.1 25.9 77.7

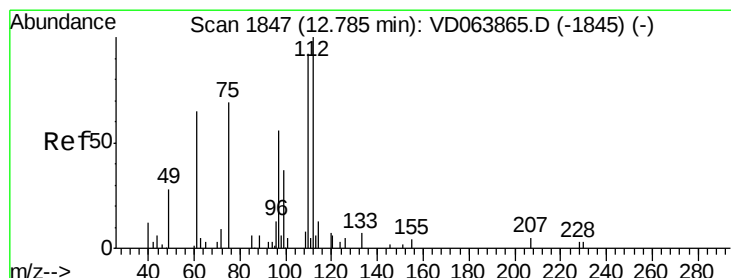
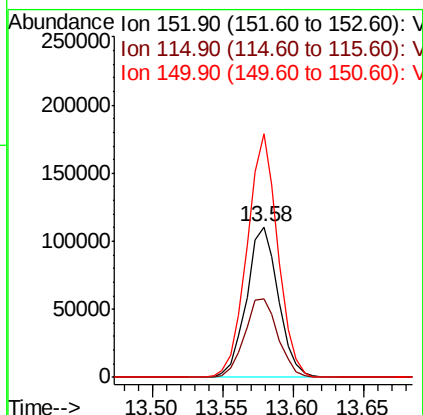
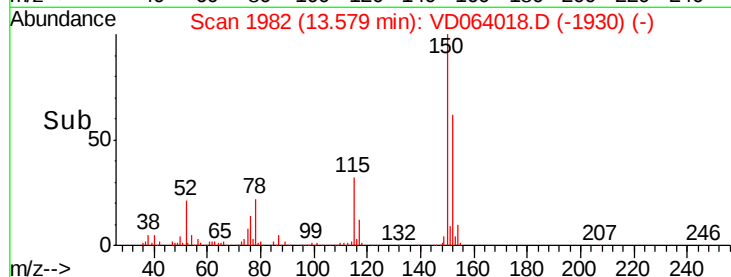
150 156.4 0.0 344.2



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: 69.958 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064018.D

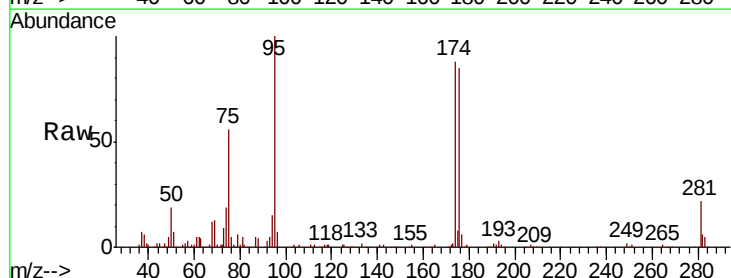
Acq: 23 Oct 2019 13:51

Tgt Ion: 75 Resp: 81747

Ion Ratio Lower Upper

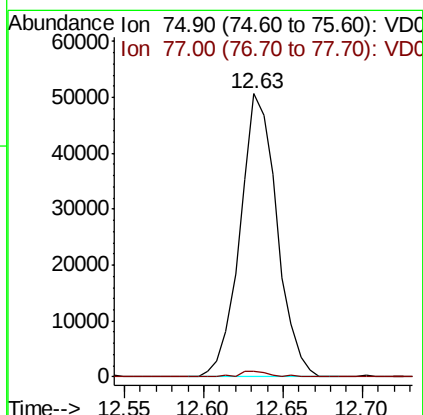
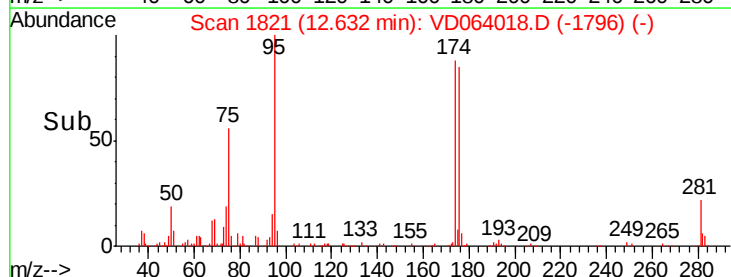
75 100

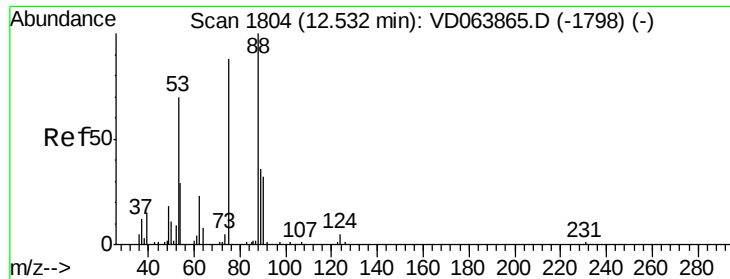
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 123.798 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

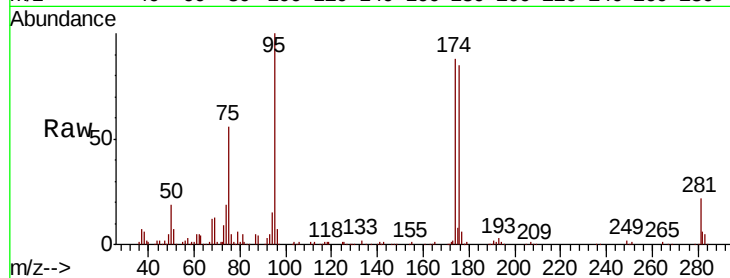
Tot Ion: 75 Resp: 81747

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

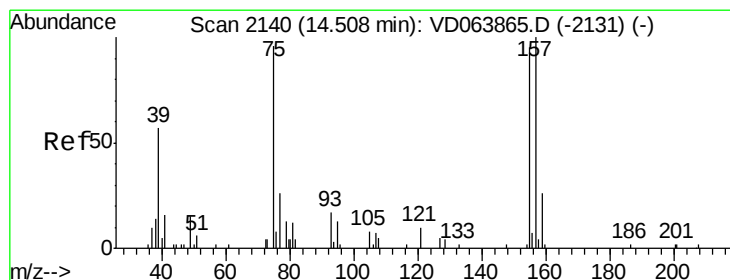
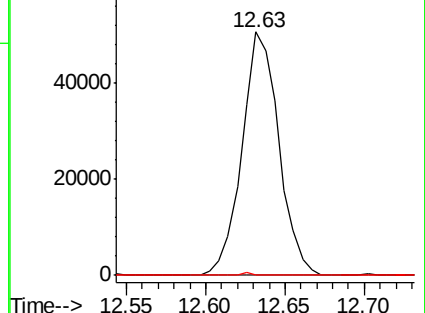
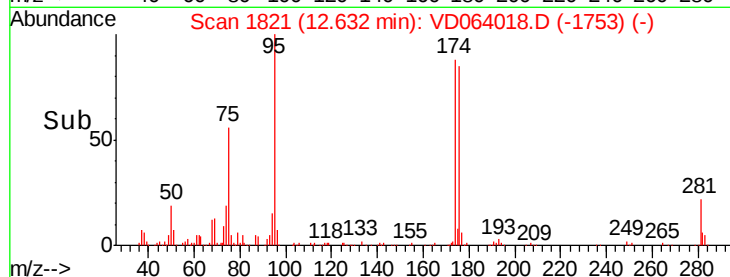
89 0.3 38.2 57.4#



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# 2140

Delta R.T. 0.00 min

Lab File: VD064018.D

Acq: 23 Oct 2019 13:51

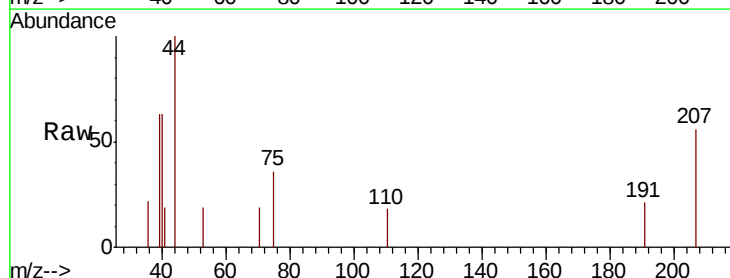
Tgt Ion: 75 Resp: 241

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

