

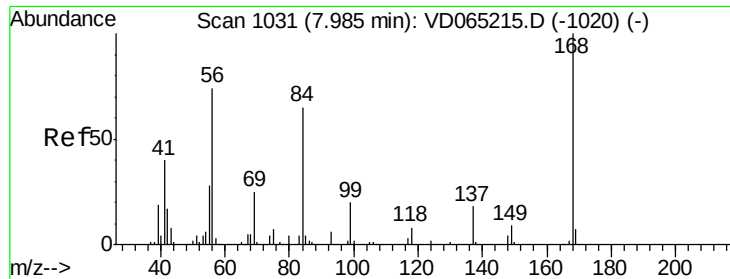
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065366.D
 Acq On : 28 Feb 2020 18:41
 Operator : VA/SY
 Sample : L1741-03
 Misc : 7.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Feb 28 21:57:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	575772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	949889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	832828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	360898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	275740	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.92	113	297348	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.34	98	1135461	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.64	95	323039	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	68634	54.206	ug/l	96
20) Methylene Chloride	4.97	84	16106	Below Cal		88
25) 2-Butanone	7.23	43	23666	14.773	ug/l	92
31) Cyclohexane	7.98	56	10587	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39858	4.312	ug/l #	49
37) Ethyl Acetate	7.23	43	23666	6.125	ug/l #	69
38) Carbon Tetrachloride	7.98	117	54757	5.820	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	4794	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	161251	52.514	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	161251	113.387	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

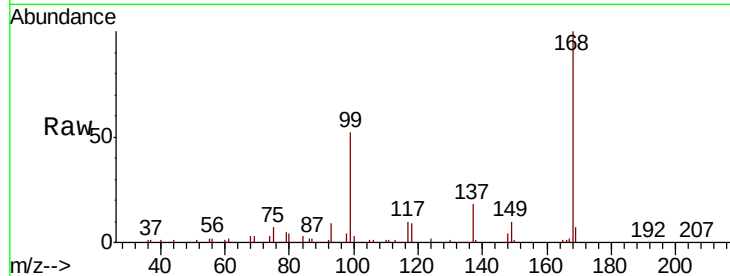
Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tot Ion:168 Resp: 575772

Ion Ratio Lower Upper

168 100

99 52.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

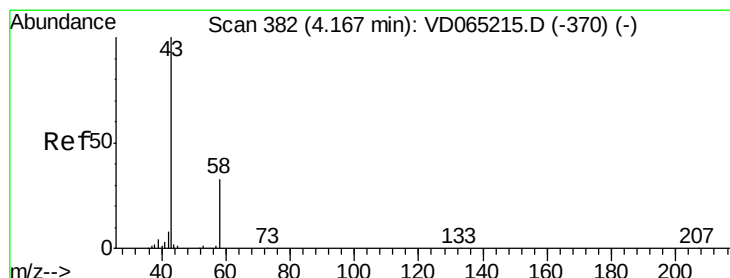
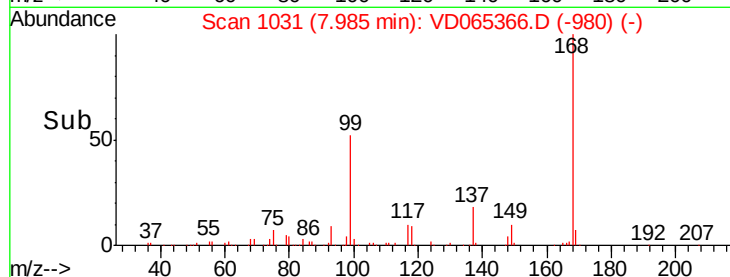
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 54.206 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065366.D

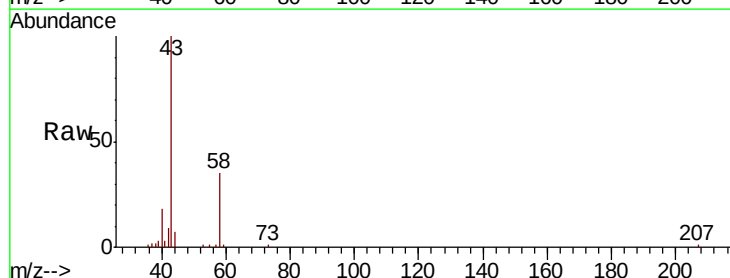
Acq: 28 Feb 2020 18:41

Tgt Ion: 43 Resp: 68634

Ion Ratio Lower Upper

43 100

58 35.1 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

25000

20000

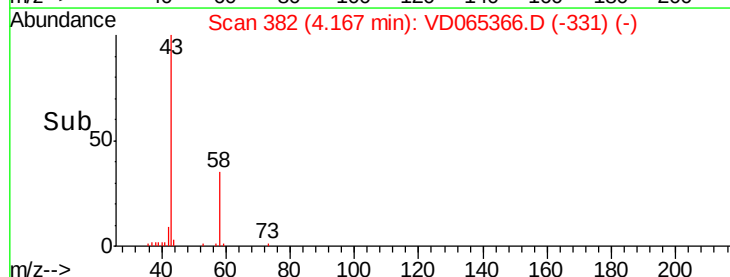
15000

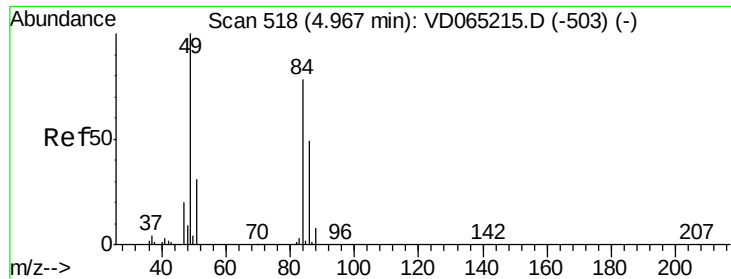
10000

5000

0

Time-->

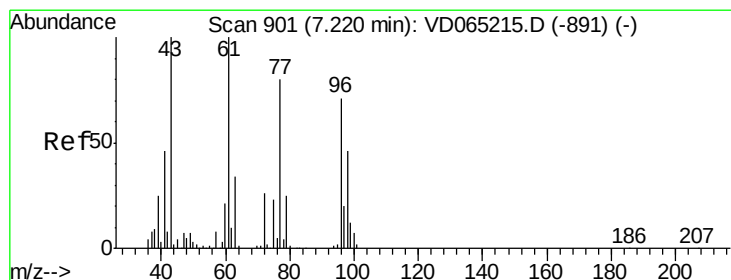
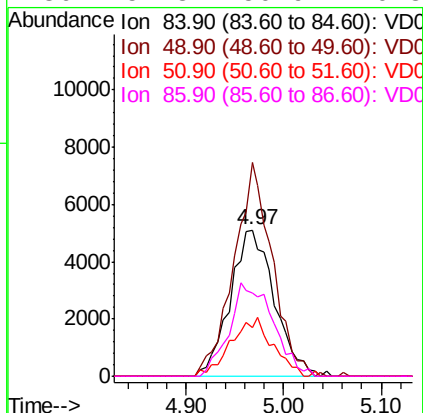
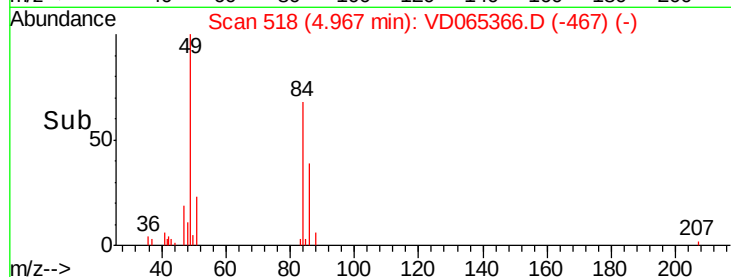
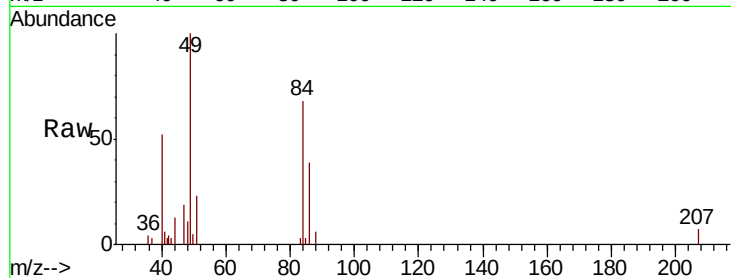




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

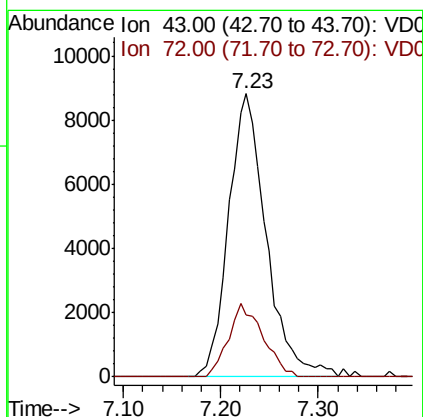
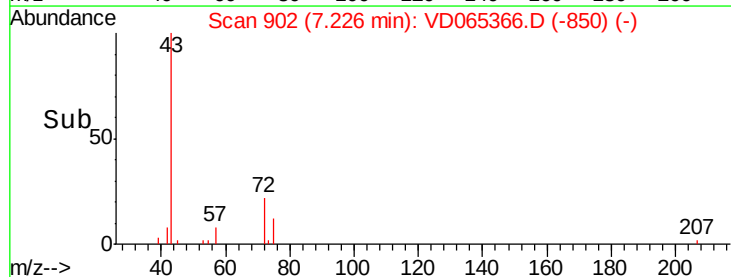
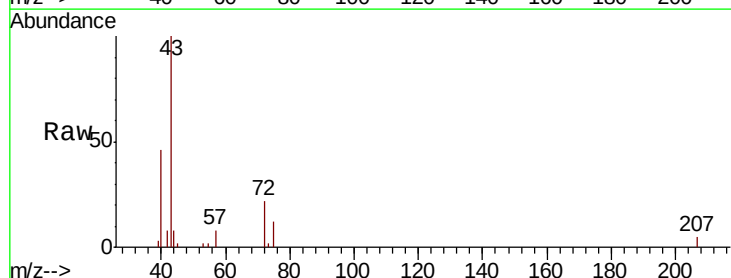
Instrument :
MSVOA_D
ClientSampleId :
TP-2

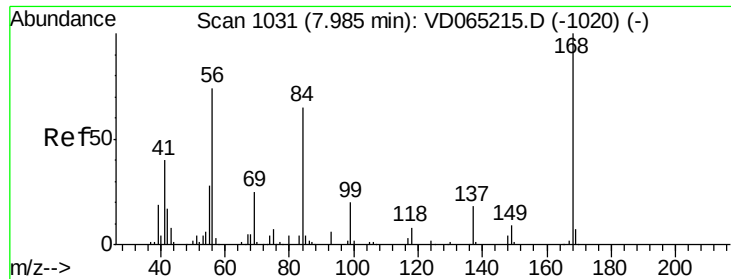
Tot Ion: 84 Resp: 16106
Ion Ratio Lower Upper
84 100
49 146.2 103.1 154.7
51 33.6 31.7 47.5
86 57.3 50.9 76.3



#25
2-Butanone
Concen: 14.773 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

Tgt Ion: 43 Resp: 23666
Ion Ratio Lower Upper
43 100
72 22.0 20.9 31.3

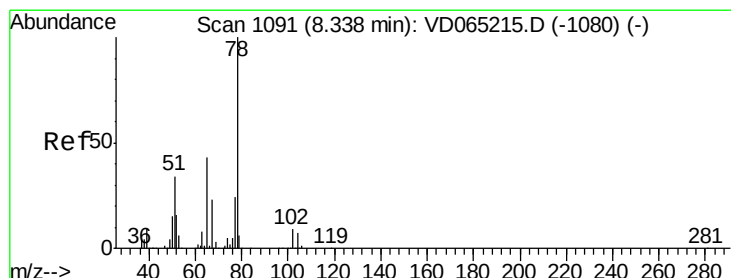
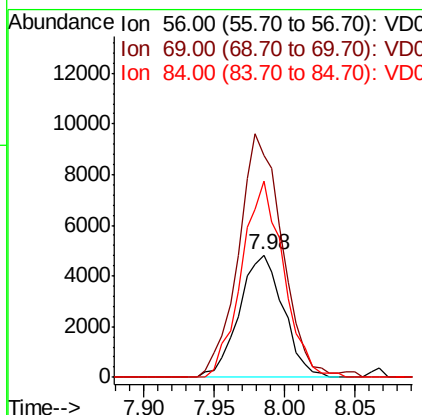
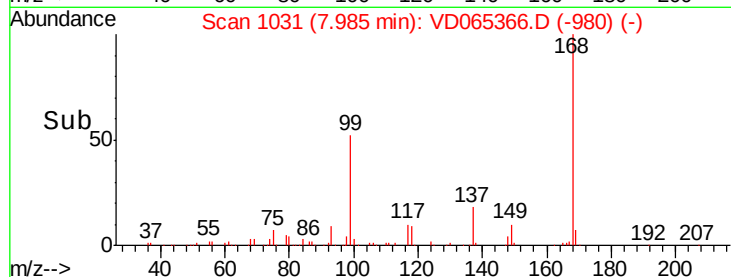
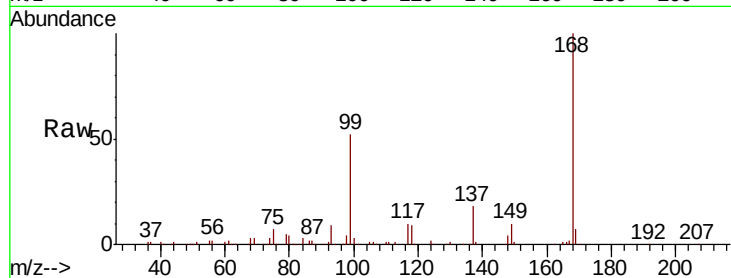




#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

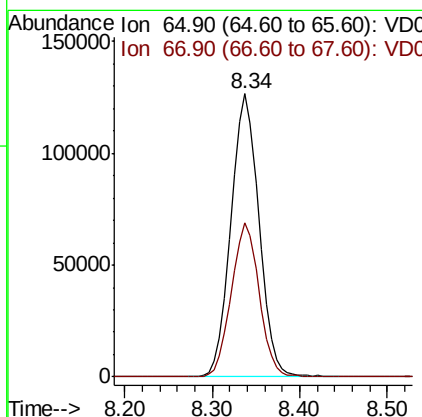
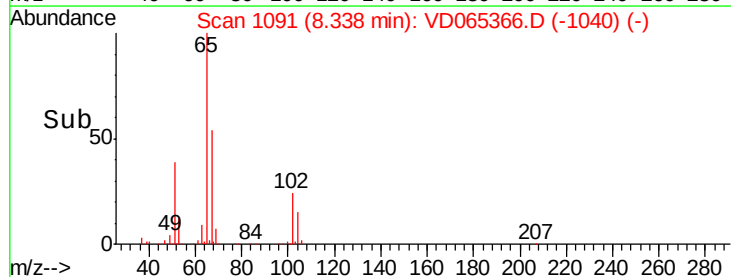
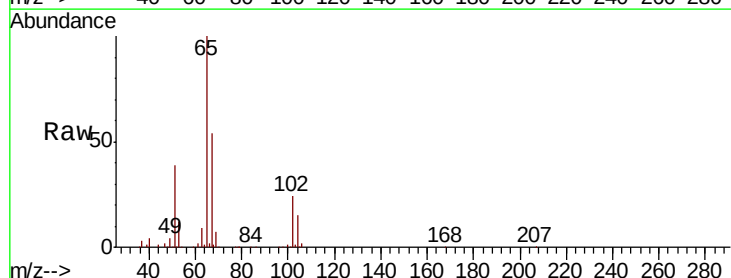
Instrument :
MSVOA_D
ClientSampled :
TP-2

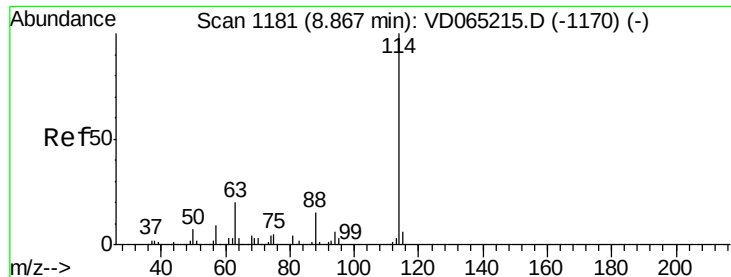
Tot Ion: 56 Resp: 10587
Ion Ratio Lower Upper
56 100
69 182.4 27.4 41.0#
84 160.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.235 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

Tgt Ion: 65 Resp: 275740
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

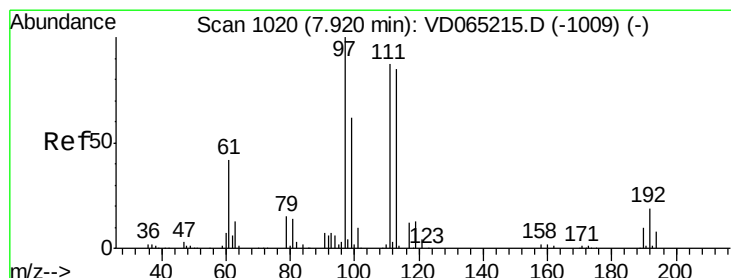
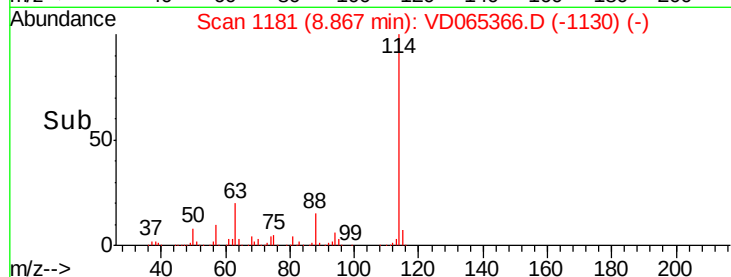
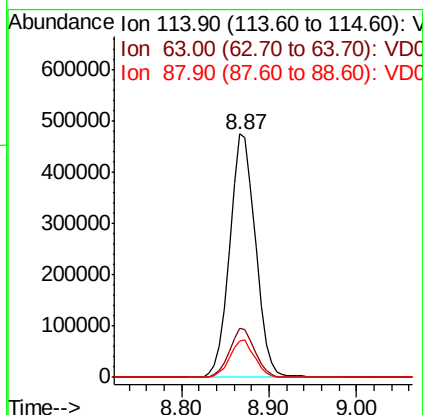
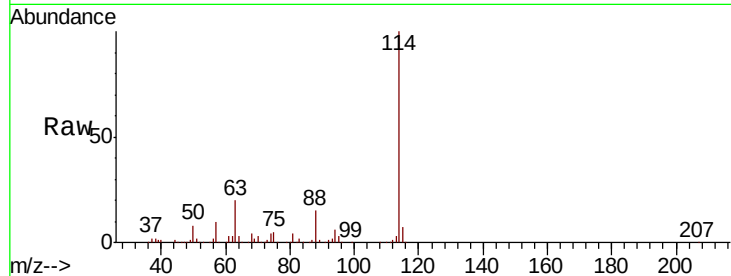




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065366.D
 Acq: 28 Feb 2020 18:41

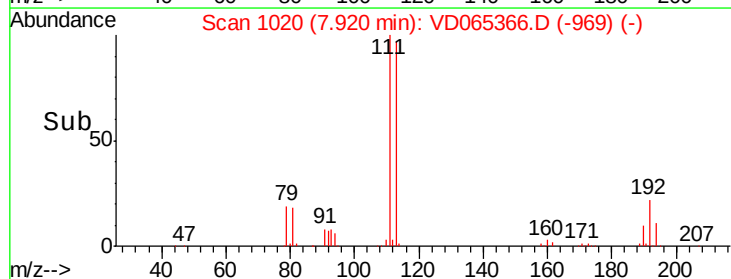
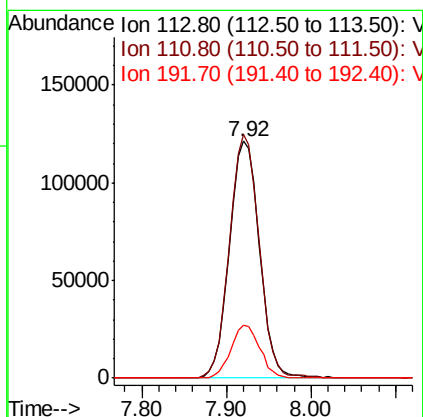
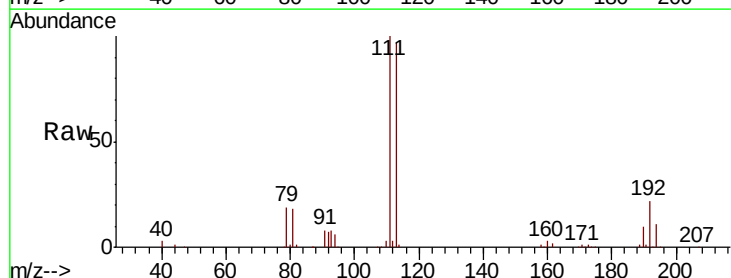
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

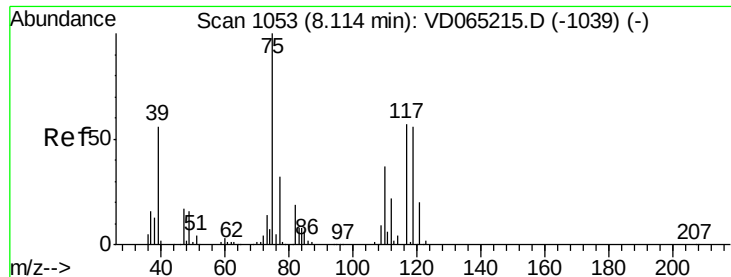
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.4
88	14.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.339 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065366.D
 Acq: 28 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	21.4	17.3	25.9

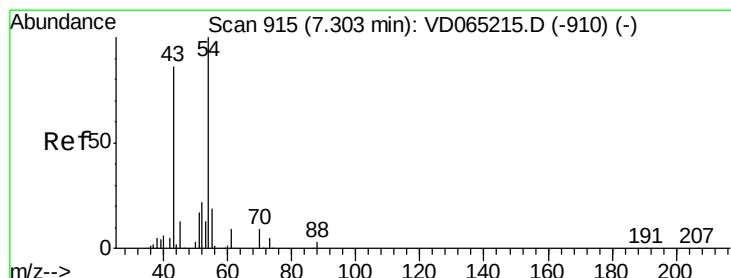
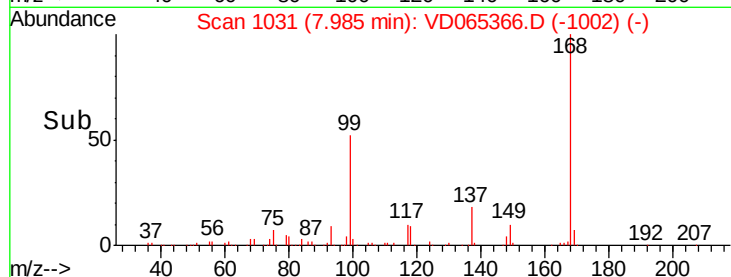
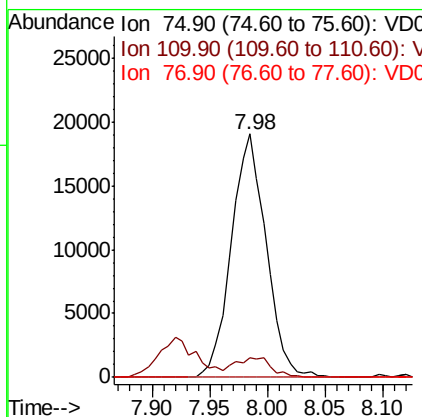
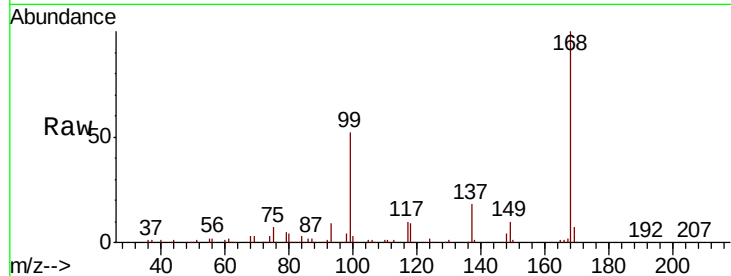




#36
 1,1-Dichloropropene
 Concen: 4.312 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065366.D
 Acq: 28 Feb 2020 18:41

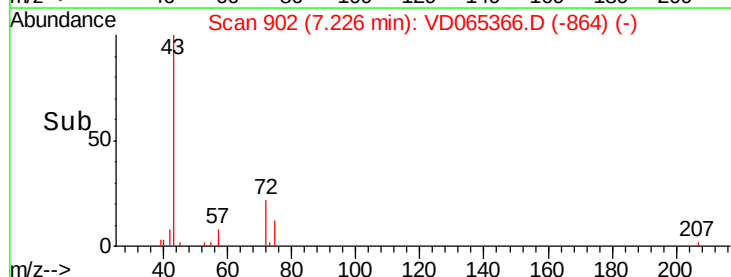
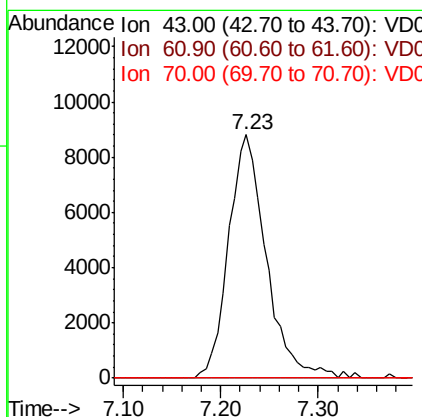
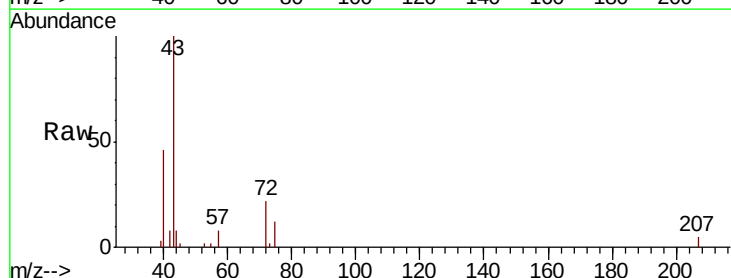
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-2

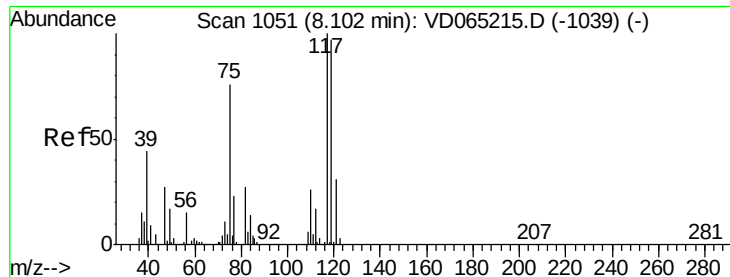
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.7#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 6.125 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065366.D
 Acq: 28 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.2	12.2#

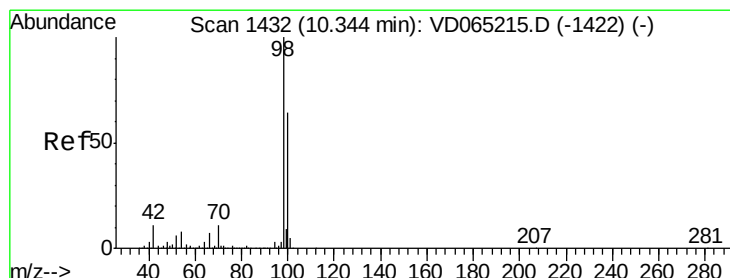
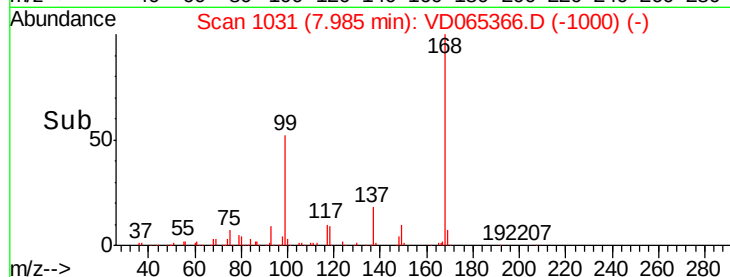
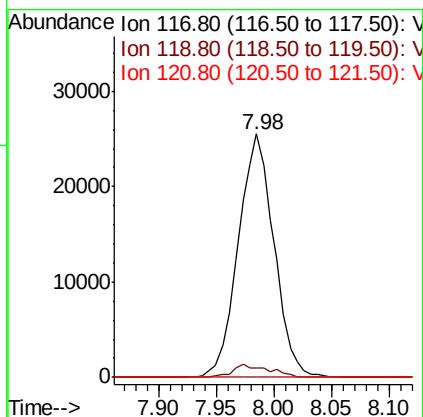
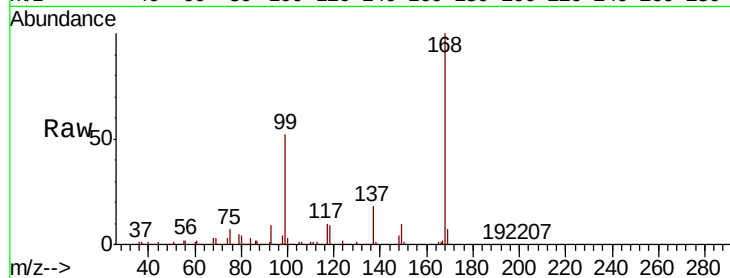




#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

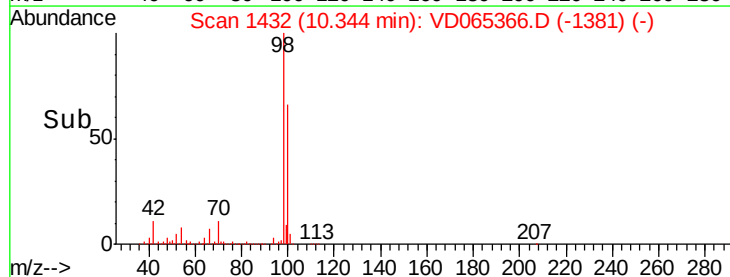
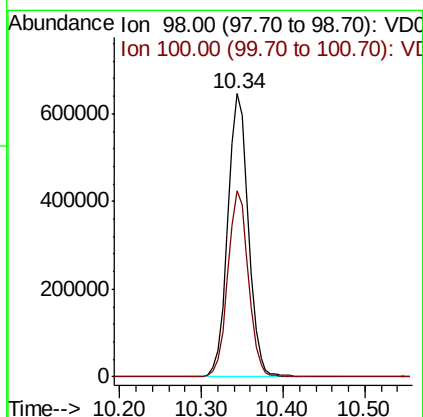
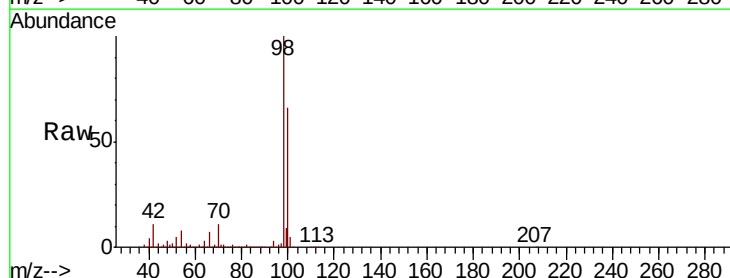
Instrument :
MSVOA_D
ClientSampleId :
TP-2

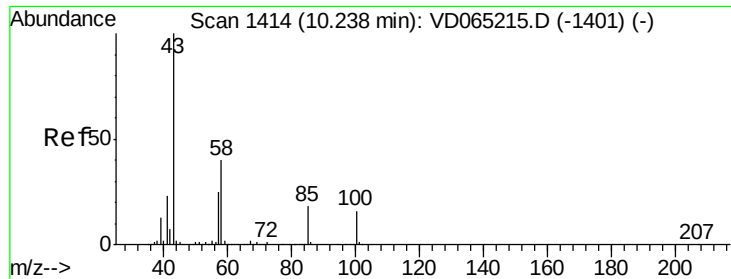
Tot Ion:117 Resp: 54757
Ion Ratio Lower Upper
117 100
119 4.0 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.281 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065366.D
Acq: 28 Feb 2020 18:41

Tgt Ion: 98 Resp: 1135461
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.343 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

Instrument :

MSVOA_D

ClientSampleID :

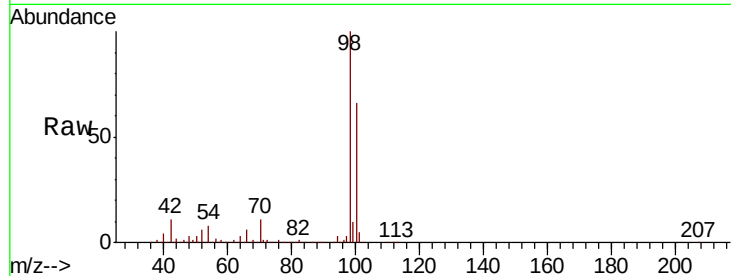
TP-2

Tot Ion: 43 Resp: 4794

Ion Ratio Lower Upper

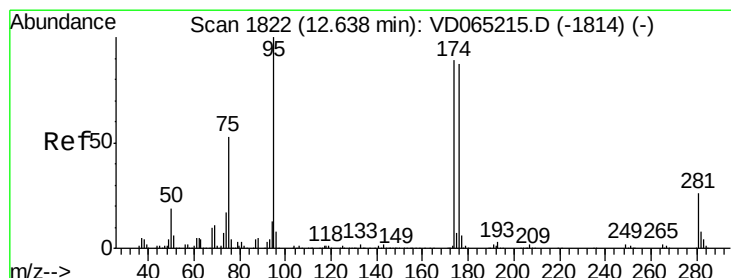
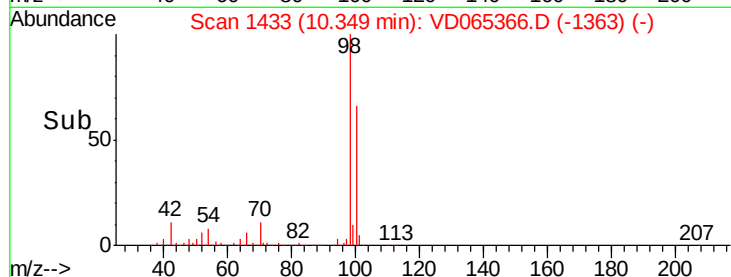
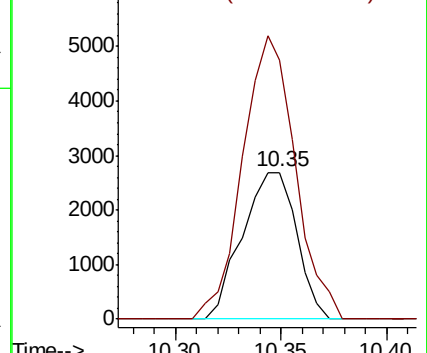
43 100

58 186.9 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.054 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

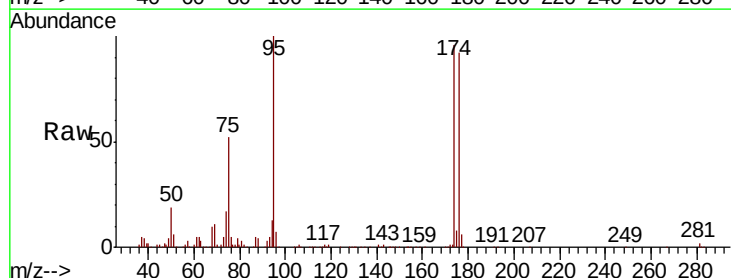
Tgt Ion: 95 Resp: 323039

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.0

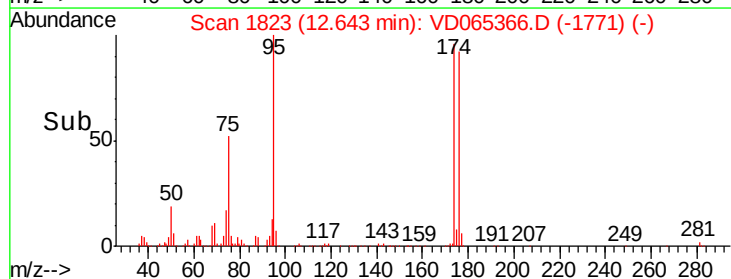
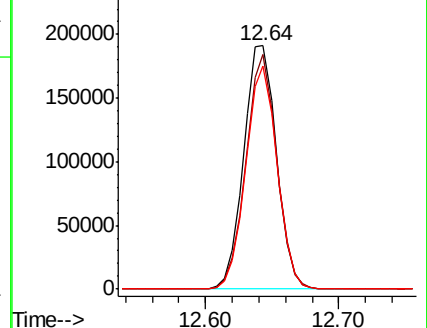
176 87.6 0.0 174.4

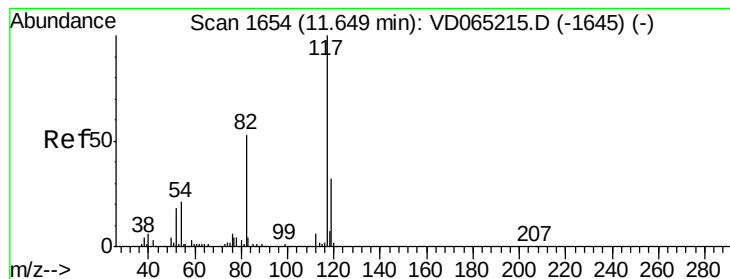


Abundance Ion 94.90 (94.60 to 95.60): VDC

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. -0.00 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

TP-2

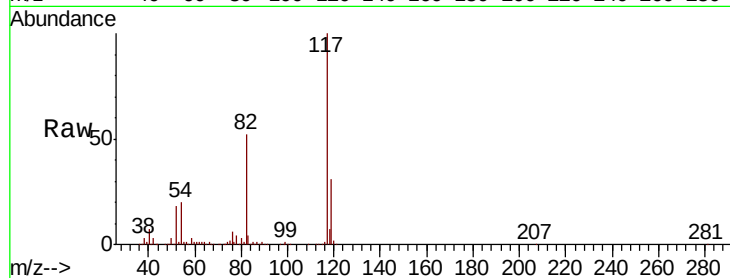
Tot Ion:117 Resp: 832828

Ion Ratio Lower Upper

117 100

82 52.1 42.7 64.1

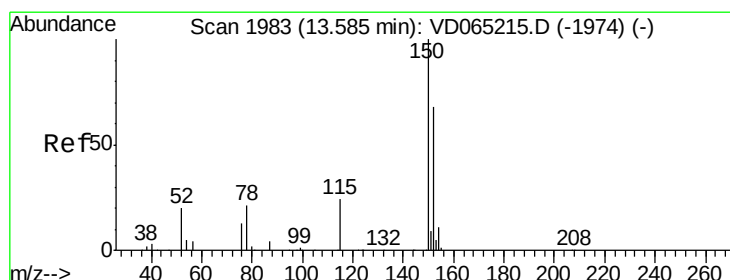
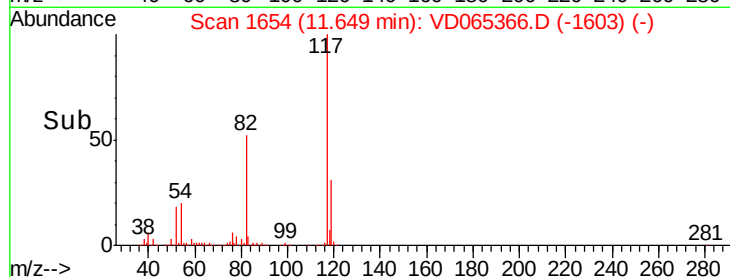
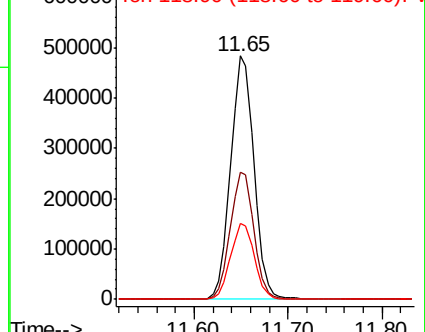
119 31.4 25.5 38.3



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# 1983

Delta R.T. 0.00 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

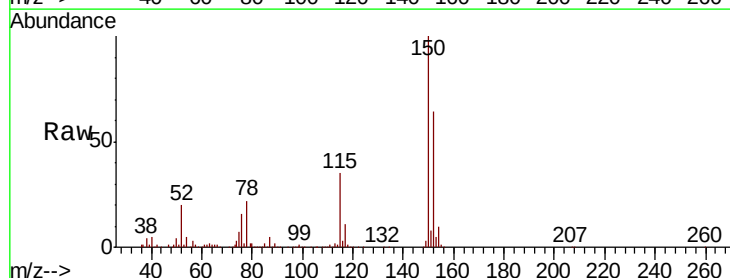
Tgt Ion:152 Resp: 360898

Ion Ratio Lower Upper

152 100

115 55.5 27.6 82.8

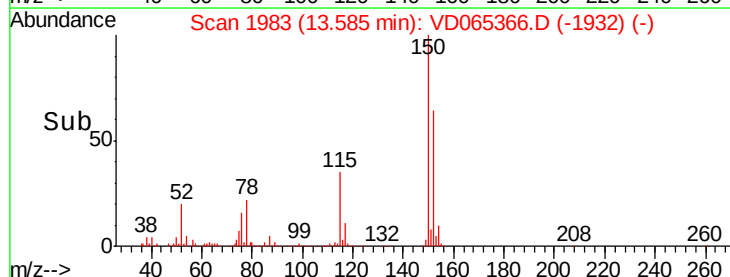
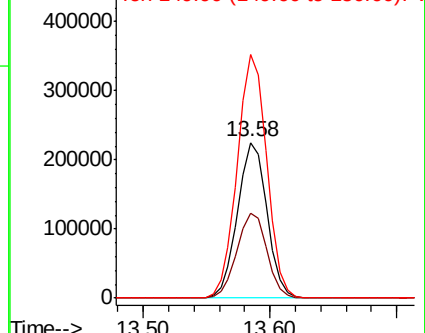
150 157.2 0.0 347.4

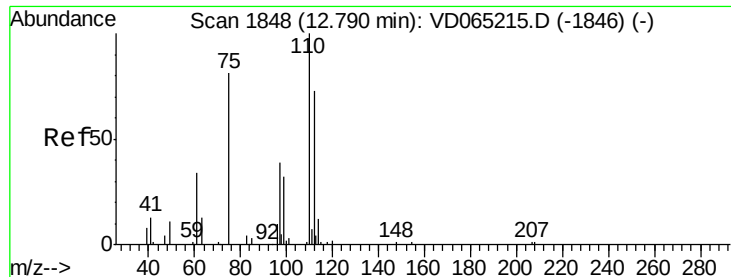


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.514 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

Instrument :

MSVOA_D

ClientSampled :

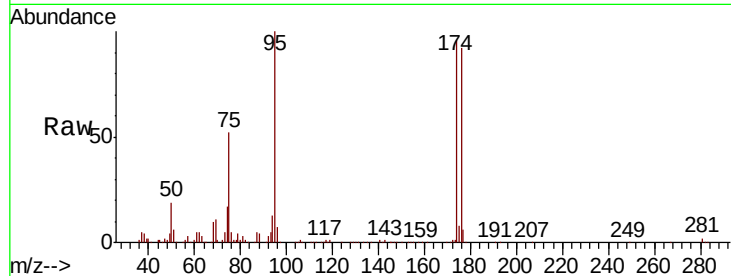
TP-2

Tot Ion: 75 Resp: 161251

Ion Ratio Lower Upper

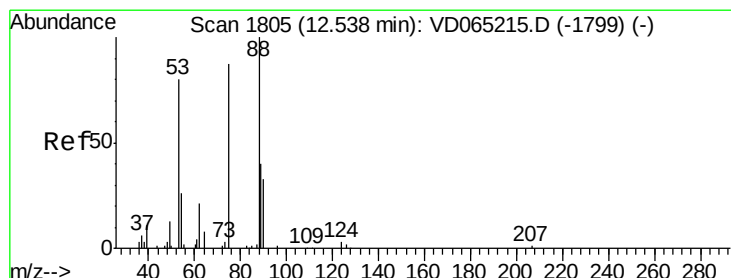
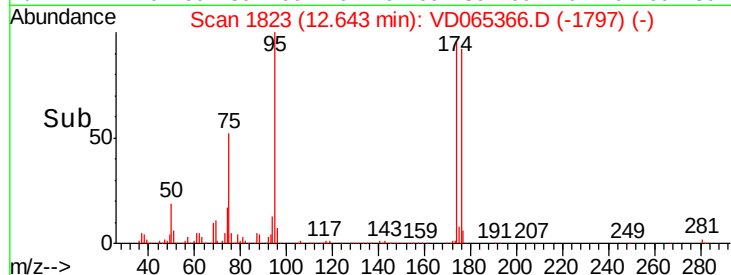
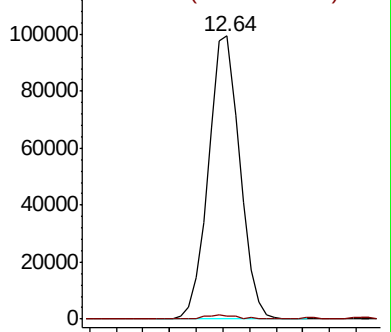
75 100

77 1.5 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: 113.387 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065366.D

Acq: 28 Feb 2020 18:41

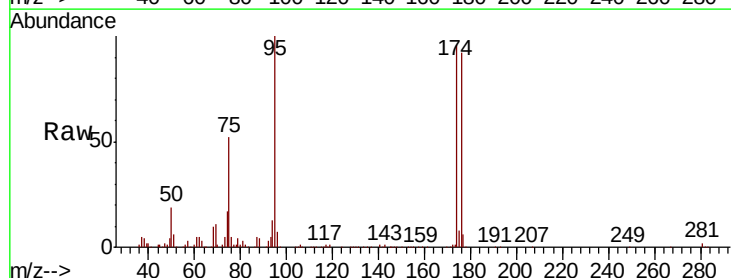
Tgt Ion: 75 Resp: 161251

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#



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

