

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065098.D
 Acq On : 06 Feb 2020 20:41
 Operator : VA/SY
 Sample : L1408-03RE
 Misc : 5.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:11:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	68193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	105546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	118957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	61054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	49695	85.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.48%	
35) Dibromofluoromethane	7.91	113	42059	71.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.84%	
50) Toluene-d8	10.34	98	129384	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
62) 4-Bromofluorobenzene	12.64	95	48318	65.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.12%	

Target Compounds

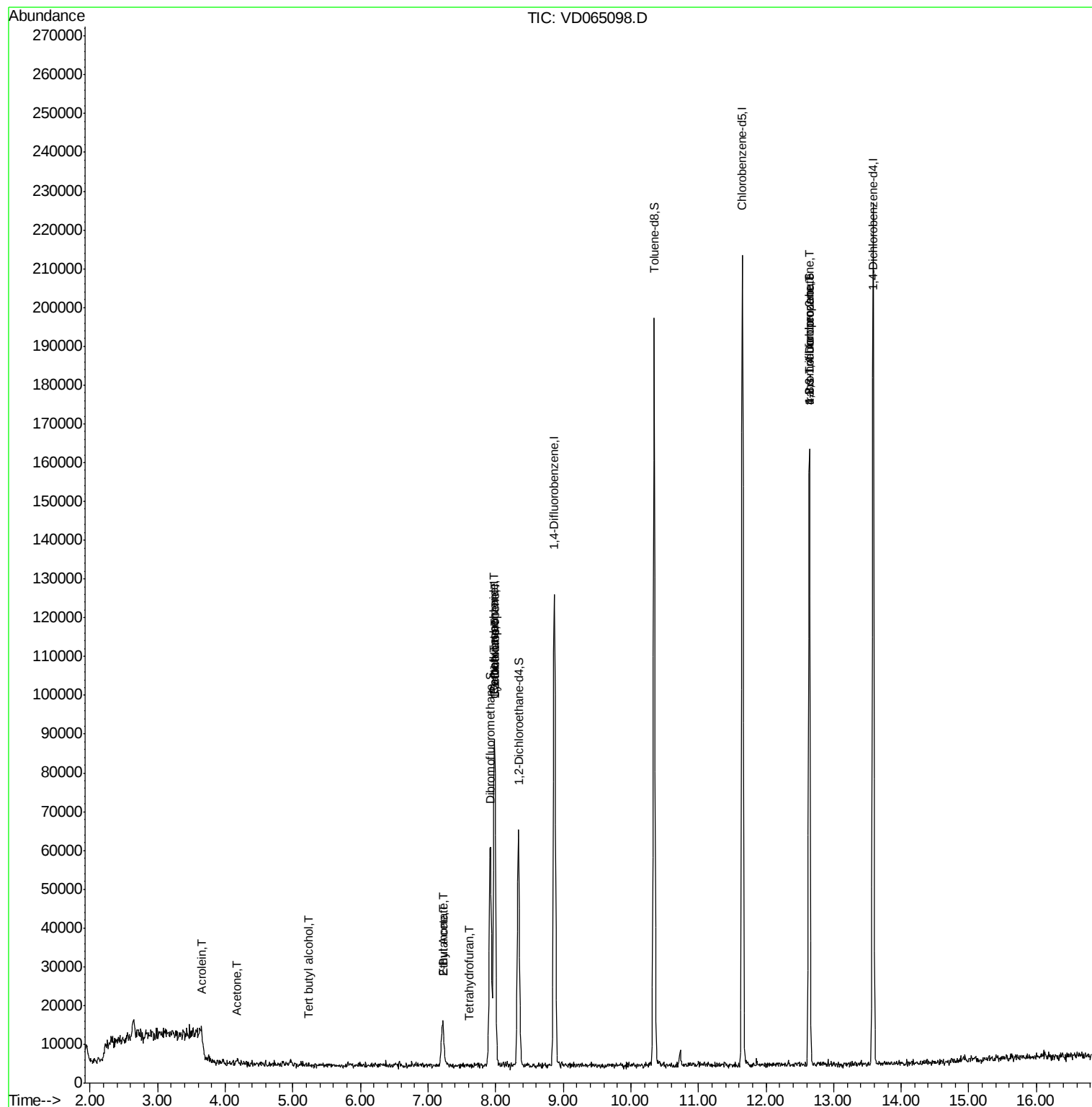
						Qvalue
11) Tert butyl alcohol	5.24	59	55	1.553	ug/l #	71
13) Acrolein	3.66	56	56	1.286	ug/l #	50
16) Acetone	4.17	43	915	6.314	ug/l #	45
20) Methylene Chloride	4.98	84	484	Below Cal	#	45
25) 2-Butanone	7.22	43	571	3.303	ug/l #	50
29) Tetrahydrofuran	7.61	42	123	1.177	ug/l #	34
31) Cyclohexane	7.99	56	1498	1.299	ug/l #	62
36) 1,1-Dichloropropene	7.99	75	5786	5.896	ug/l #	47
37) Ethyl Acetate	7.22	43	571	1.424	ug/l #	1
38) Carbon Tetrachloride	7.99	117	6807	6.791	ug/l #	11
76) 1,2,3-Trichloropropane	12.64	75	26051	56.358	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	26051	112.711	ug/l #	10

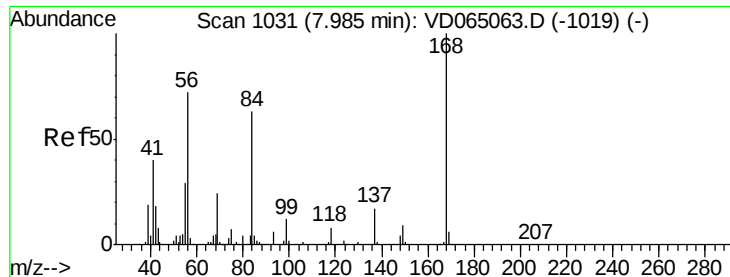
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
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: VD065098.D

Acq: 06 Feb 2020 20:41

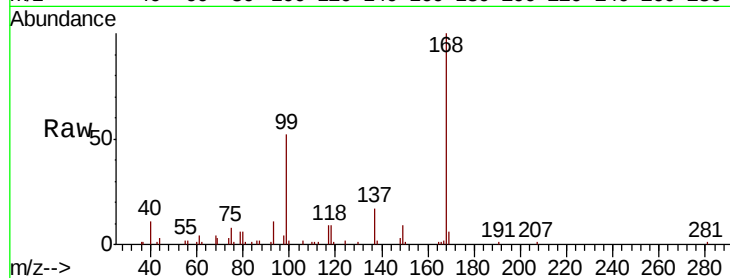
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 68193

Ion Ratio Lower Upper

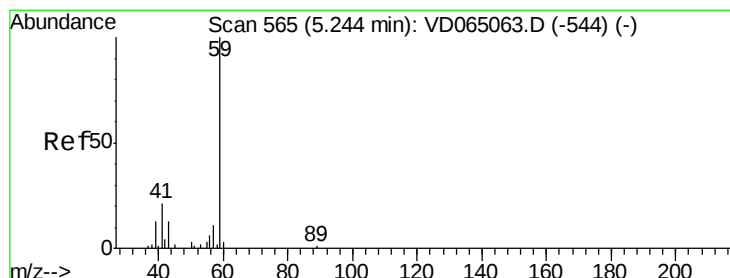
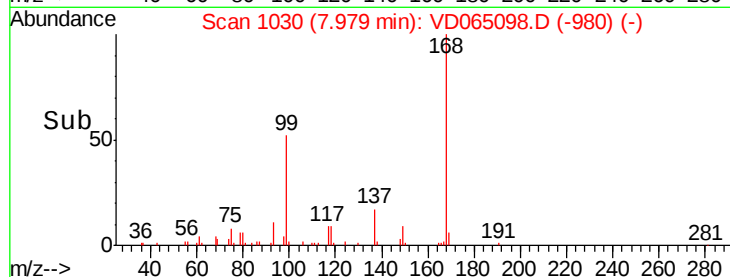
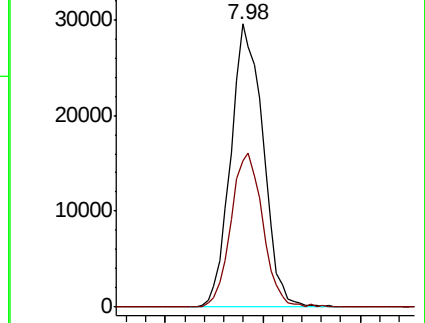
168 100

99 51.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.553 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065098.D

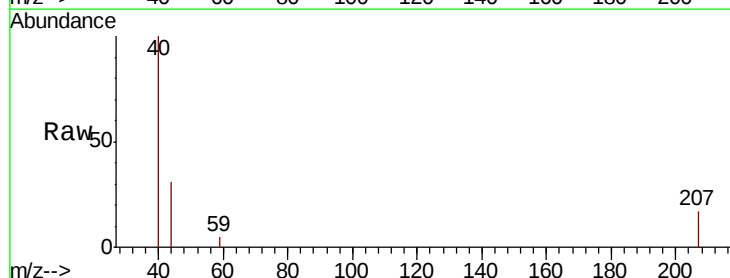
Acq: 06 Feb 2020 20:41

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

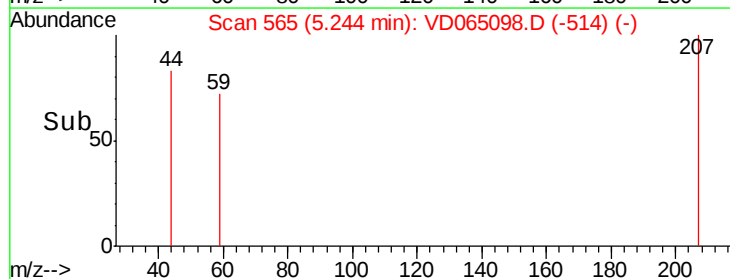
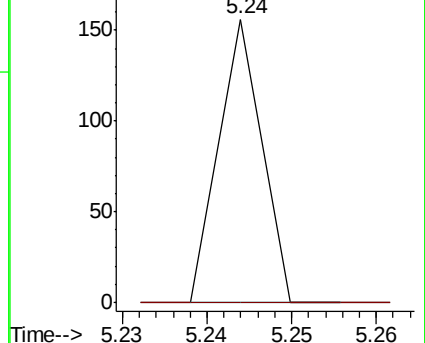
59 100

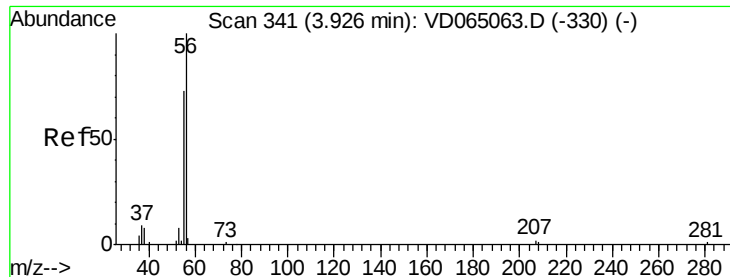
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 1.286 ug/l

RT: 3.66 min Scan# 296

Delta R.T. -0.26 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

Instrument :

MSVOA_D

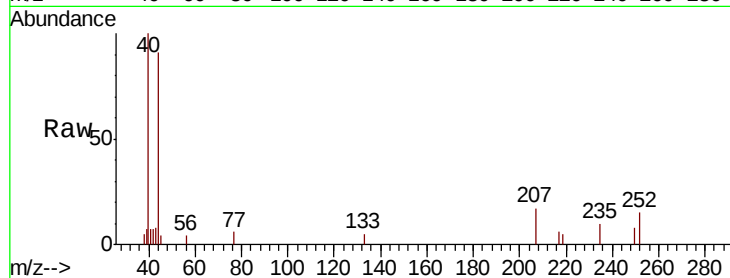
ClientSampleId :

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

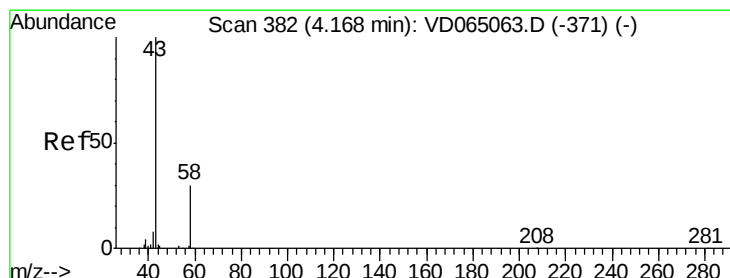
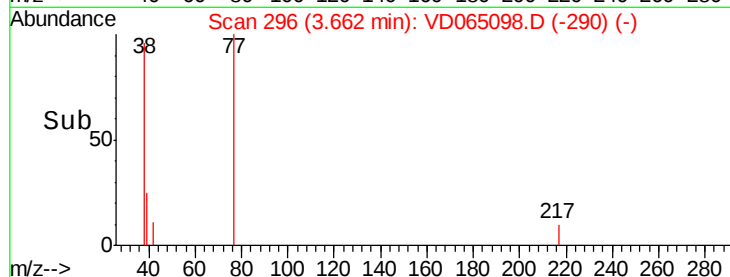
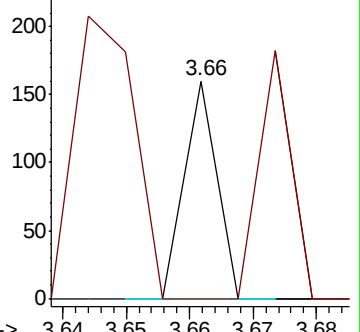
56 100

55 114.3 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 6.314 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065098.D

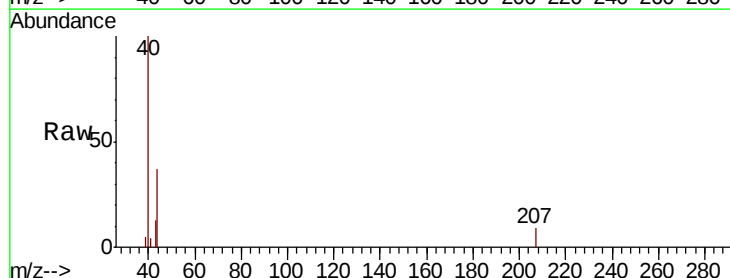
Acq: 06 Feb 2020 20:41

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

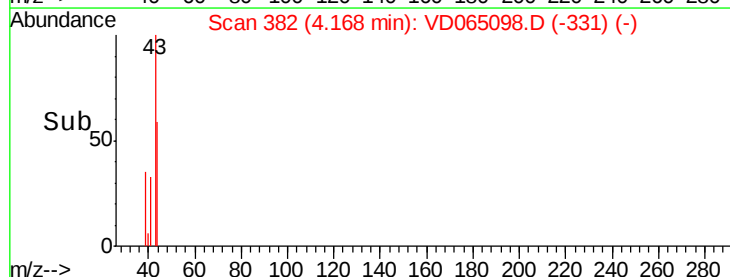
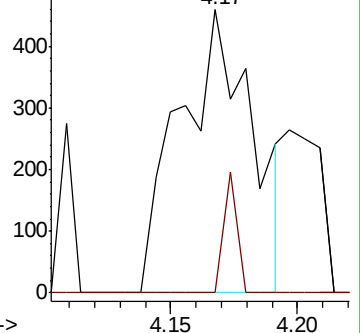
43 100

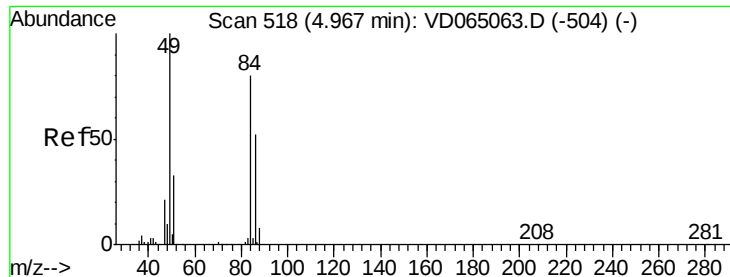
58 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

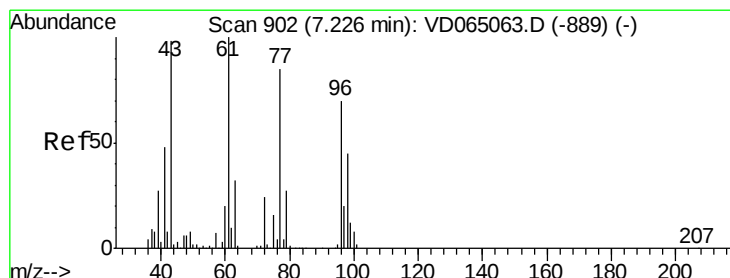
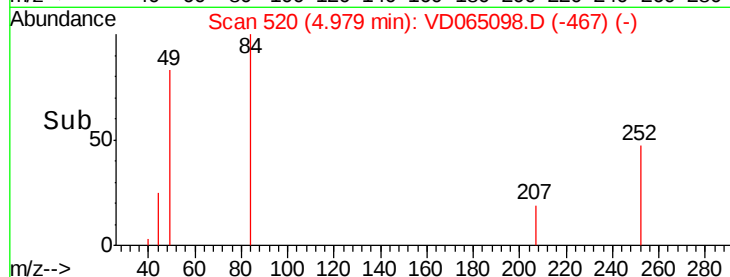
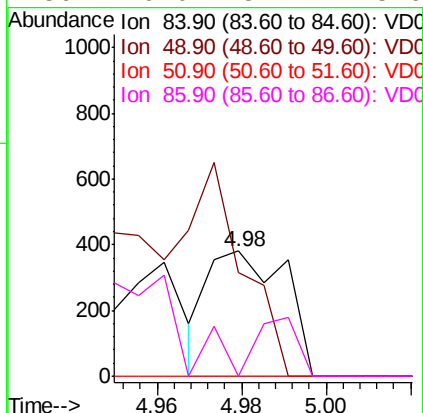
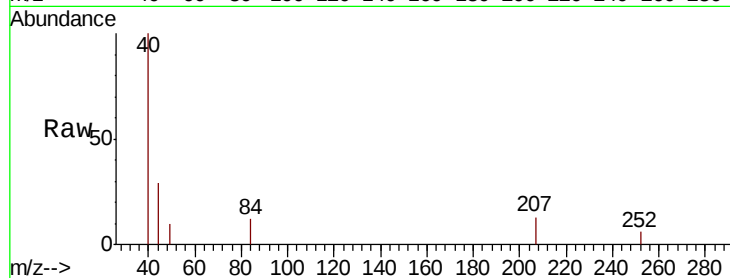




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

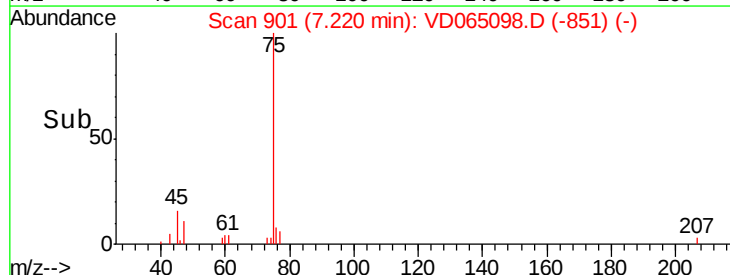
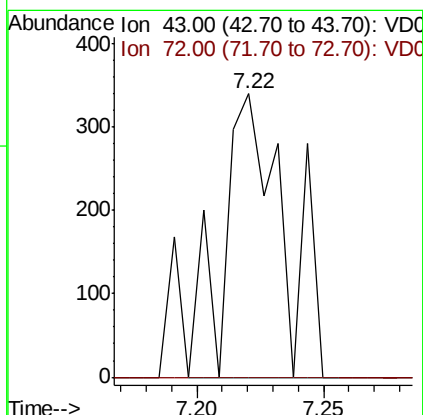
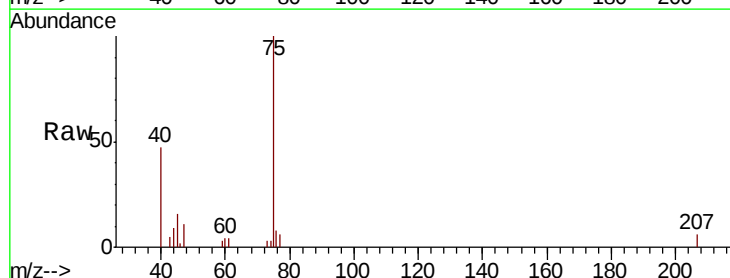
Instrument :
MSVOA_D
ClientSampled :

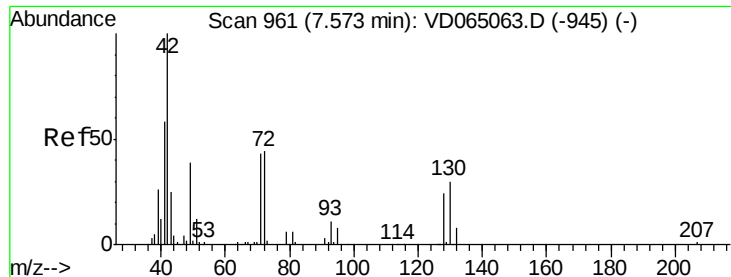
Tot Ion: 84 Resp: 484
Ion Ratio Lower Upper
84 100
49 82.9 100.4 150.6#
51 0.0 32.7 49.1#
86 0.0 52.4 78.6#



#25
2-Butanone
Concen: 3.303 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

Tgt Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

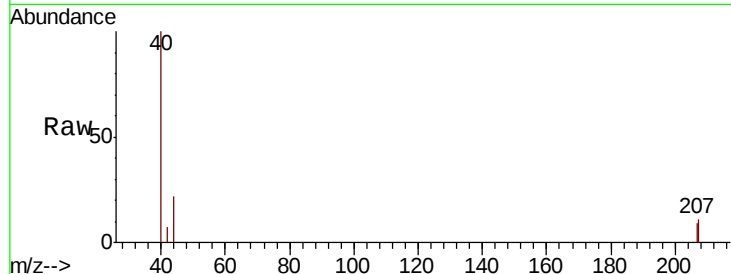




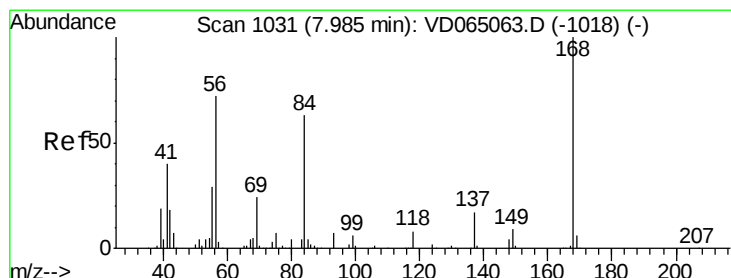
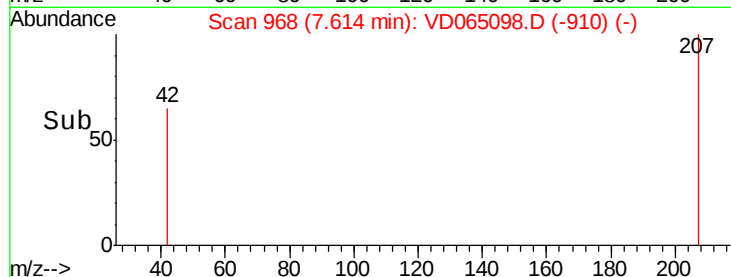
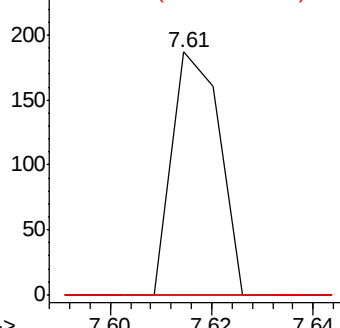
#29
Tetrahydrofuran
Concen: 1.177 ug/l
RT: 7.61 min Scan# 968
Delta R.T. 0.04 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 123
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 31.8 47.6#

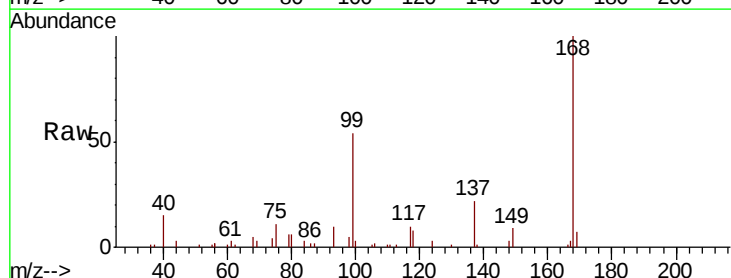


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

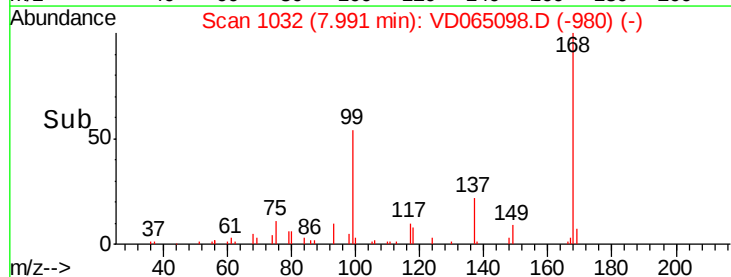
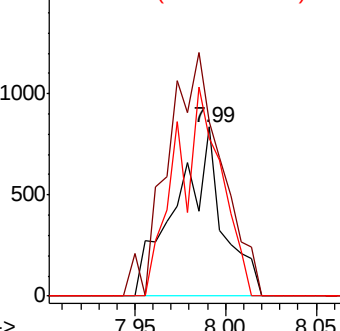


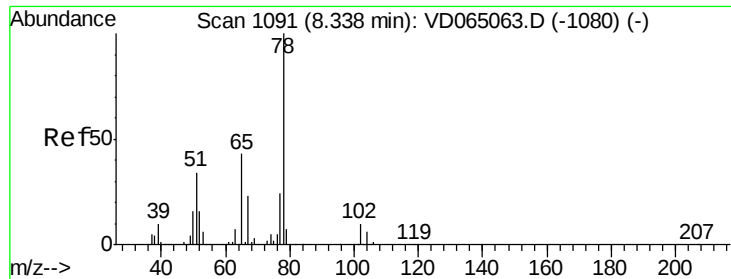
#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

Tgt Ion: 56 Resp: 1498
Ion Ratio Lower Upper
56 100
69 103.2 26.6 40.0#
84 93.2 70.6 106.0



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: 85.743 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

Instrument :

MSVOA_D

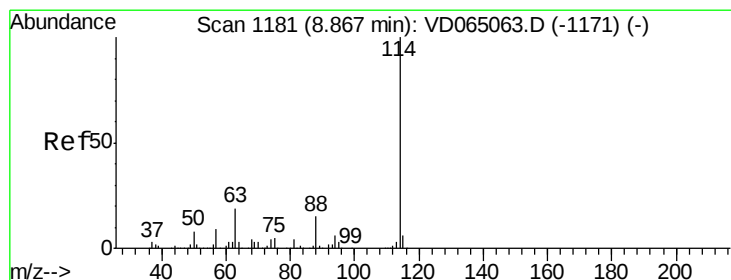
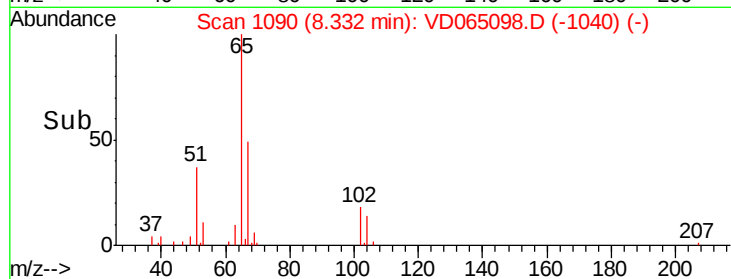
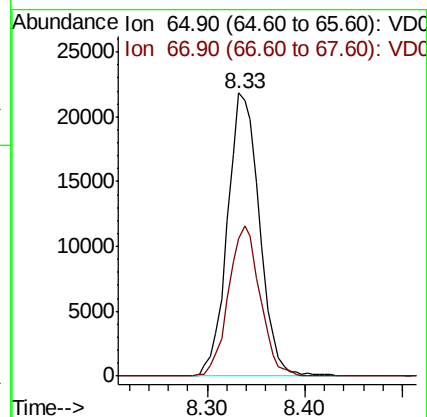
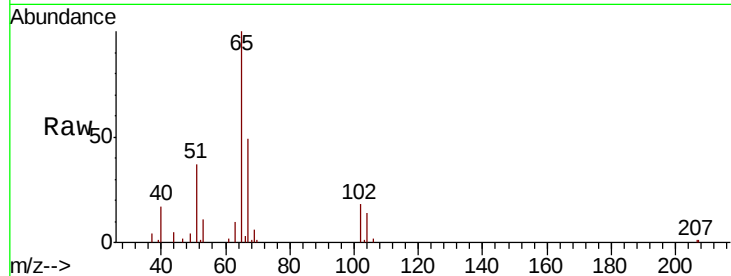
ClientSampleId :

Tot Ion: 65 Resp: 49695

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

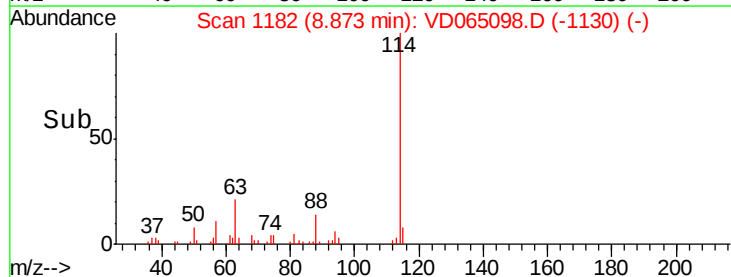
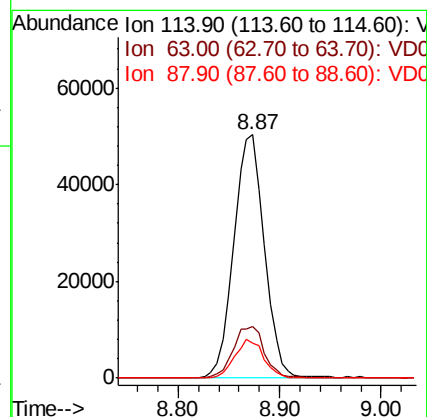
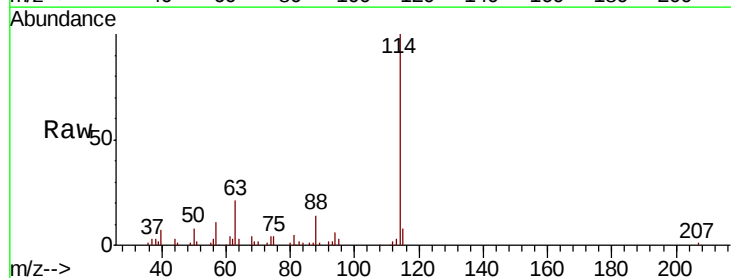
Tgt Ion: 114 Resp: 105546

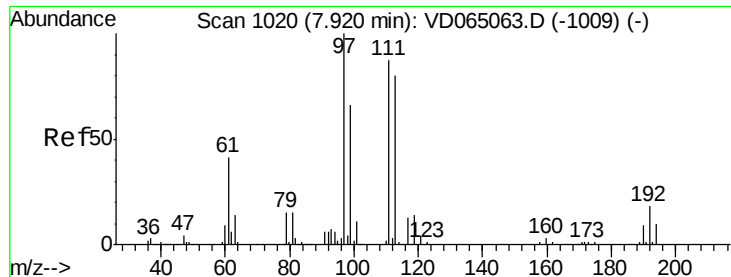
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

88 14.4 0.0 29.6

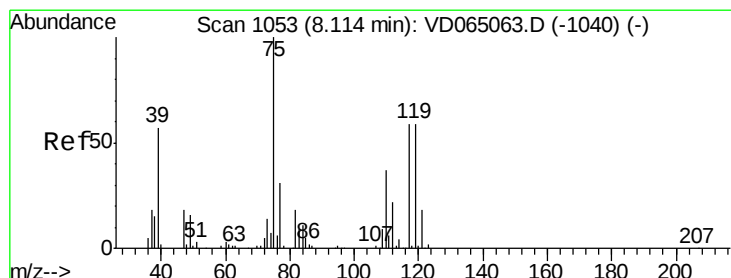
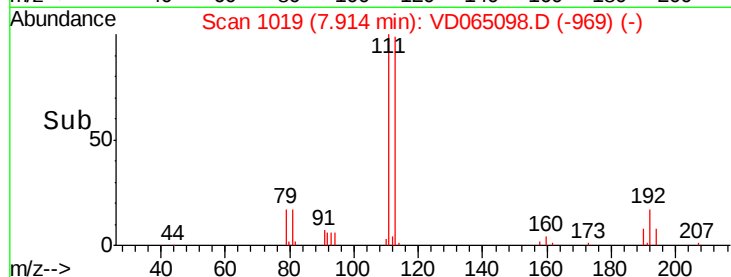
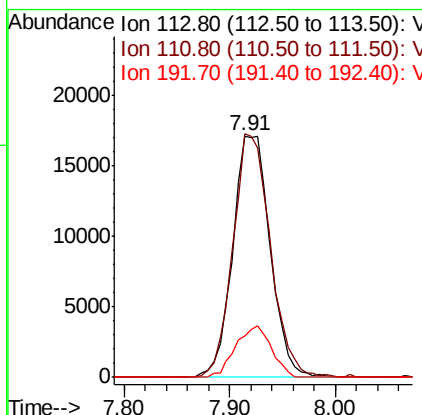
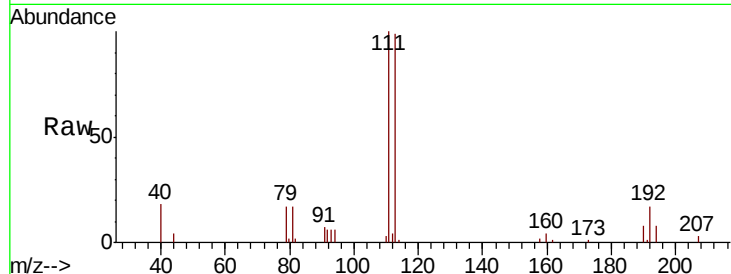




#35
 Dibromofluoromethane
 Concen: 71.422 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065098.D
 Acq: 06 Feb 2020 20:41

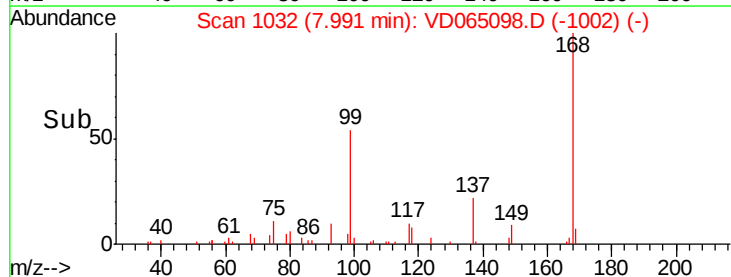
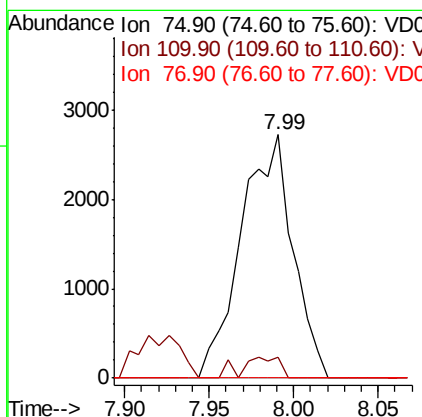
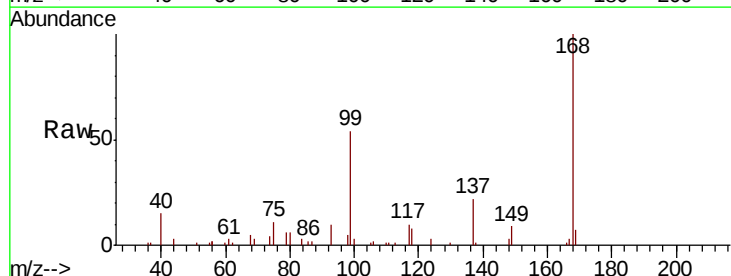
Instrument :
 MSVOA_D
 ClientSampled :

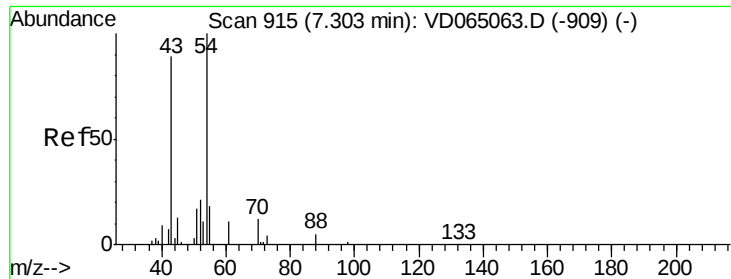
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.1	124.7
192	20.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 5.896 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD065098.D
 Acq: 06 Feb 2020 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.1	54.3#
77	0.0	24.7	37.1#

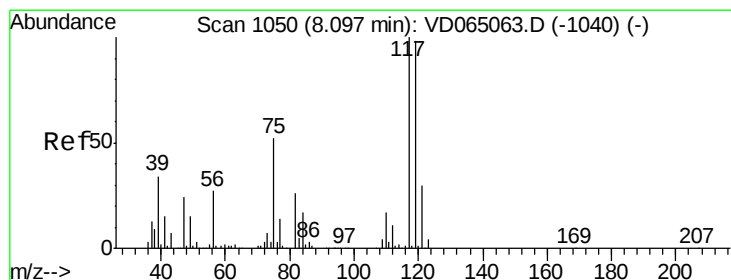
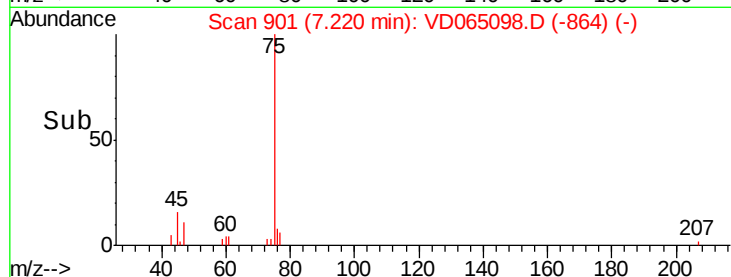
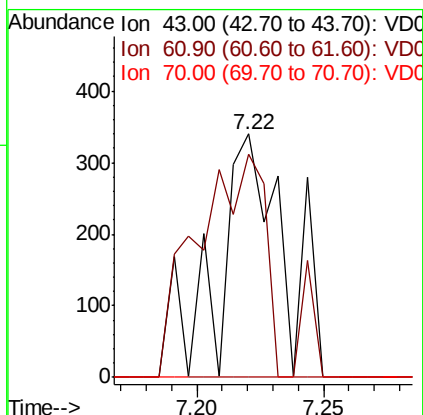
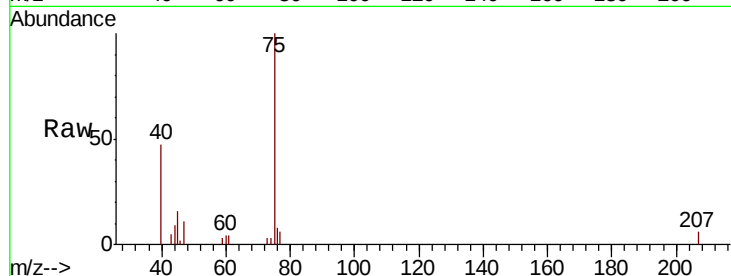




#37
Ethyl Acetate
Concen: 1.424 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

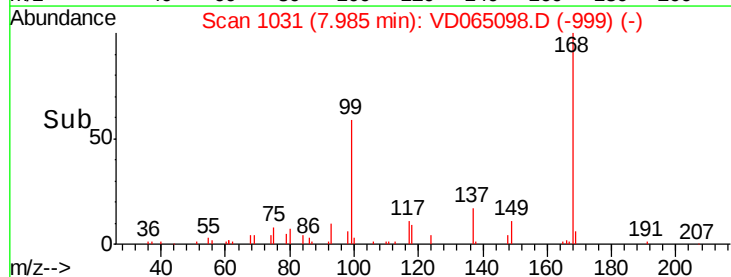
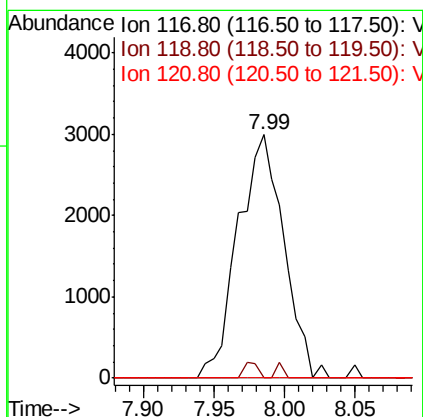
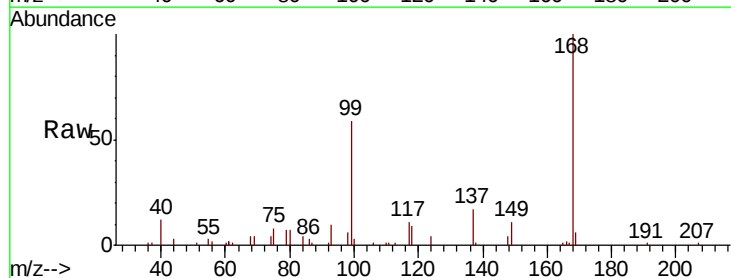
Instrument :
MSVOA_D
ClientSampleId :

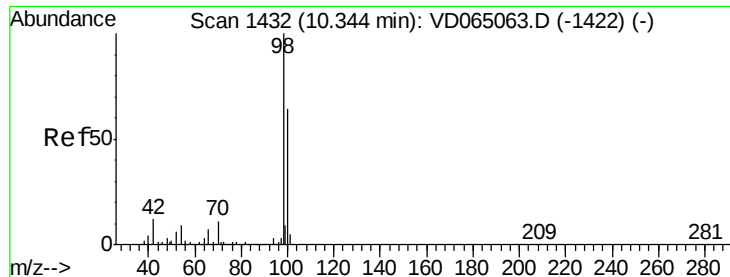
Tot Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
61 101.9 11.0 16.4#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.791 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

Tgt Ion: 117 Resp: 6807
Ion Ratio Lower Upper
117 100
119 0.0 78.5 117.7#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 55.200 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

Instrument :

MSVOA_D

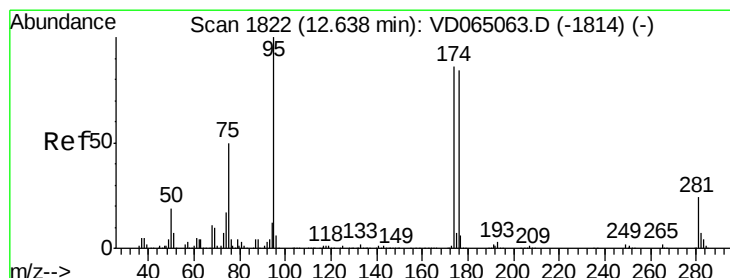
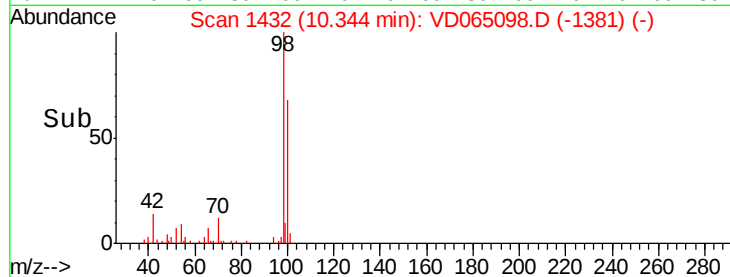
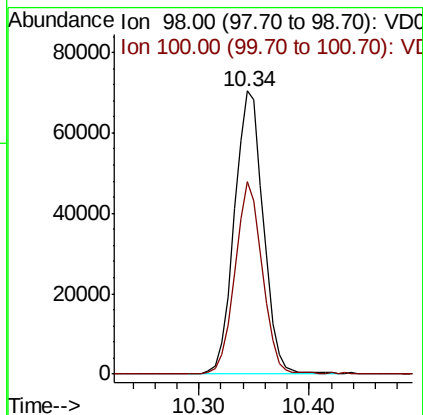
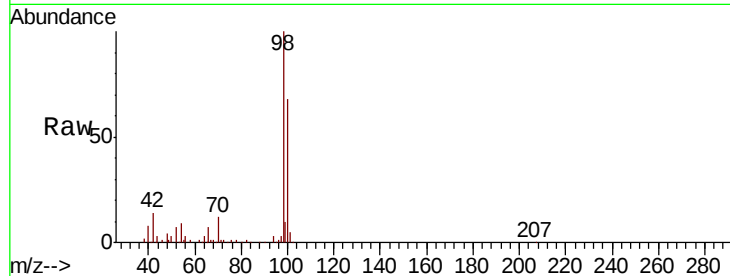
ClientSampled :

Tot Ion: 98 Resp: 129384

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 65.057 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

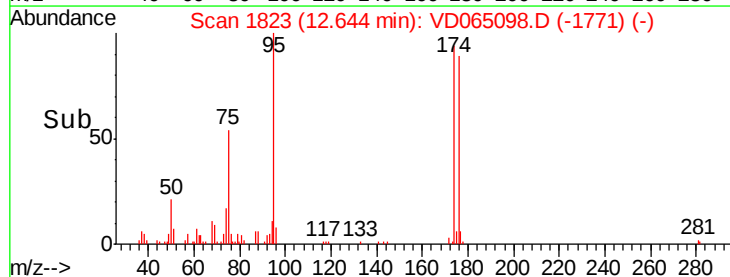
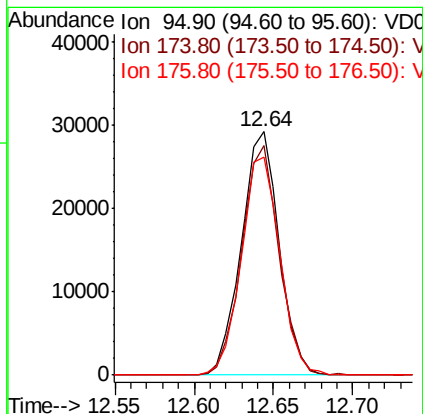
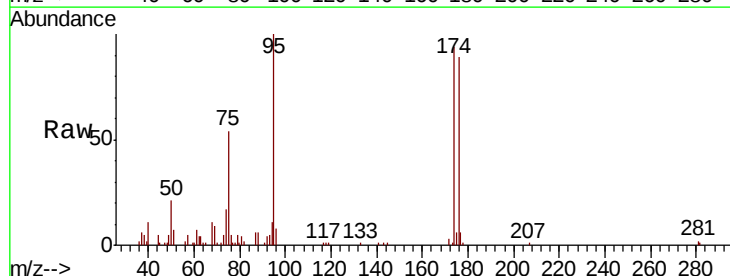
Tgt Ion: 95 Resp: 48318

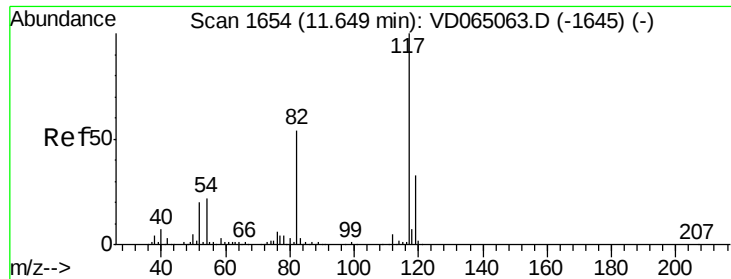
Ion Ratio Lower Upper

95 100

174 92.7 0.0 180.0

176 91.6 0.0 173.2

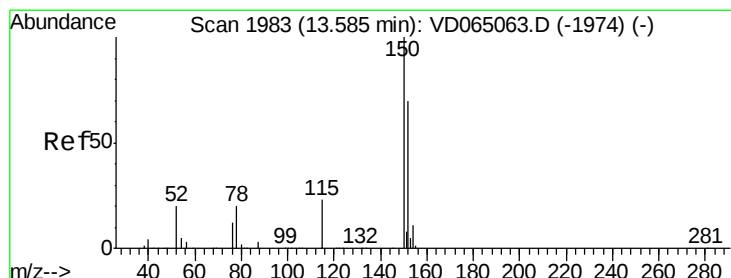
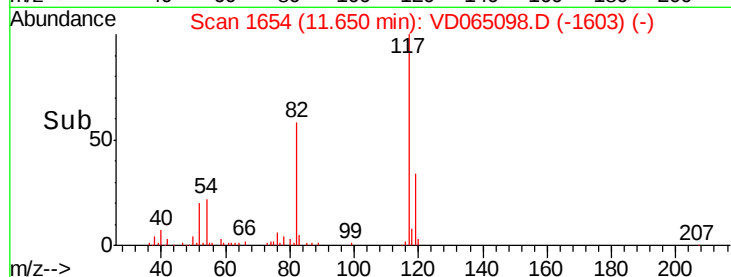
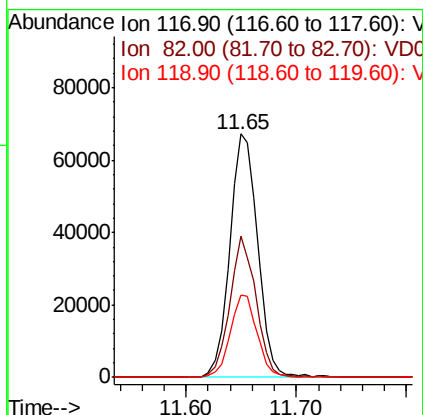
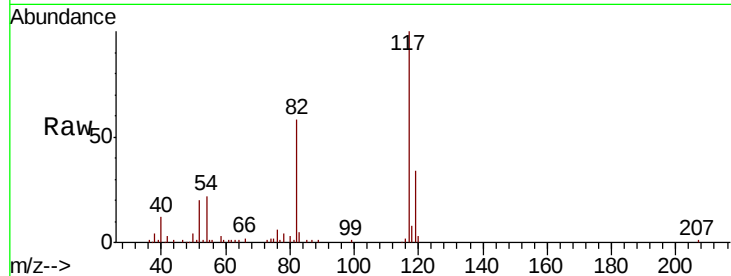




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

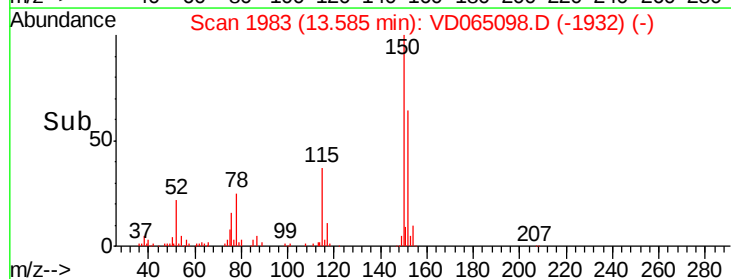
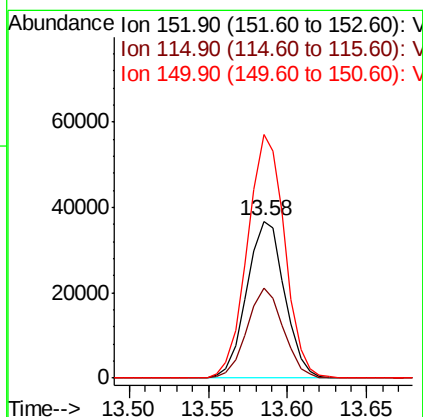
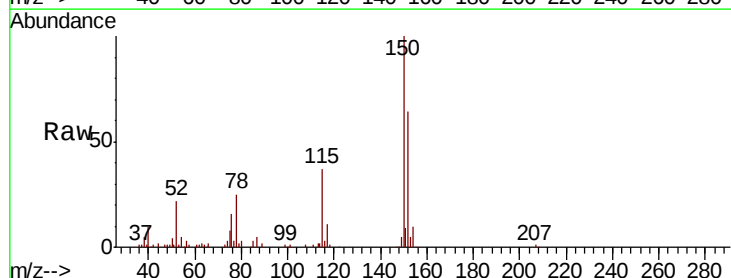
Instrument :
MSVOA_D
ClientSampleId :

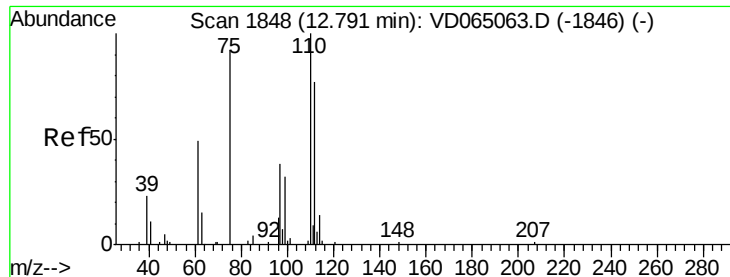
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	43.1	64.7
119	33.8	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065098.D
Acq: 06 Feb 2020 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.5	82.4
150	152.9	0.0	343.2





#76

1,2,3-Trichloropropane

Concen: 56.358 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

Instrument :

MSVOA_D

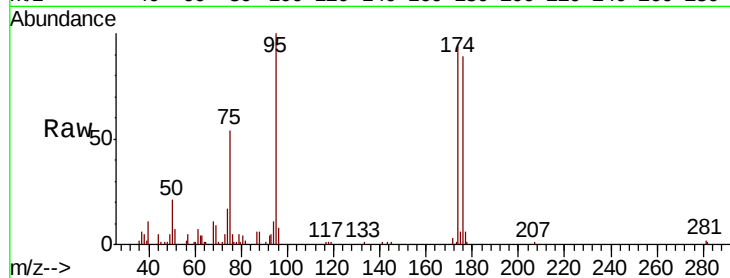
ClientSampleId :

Tot Ion: 75 Resp: 26051

Ion Ratio Lower Upper

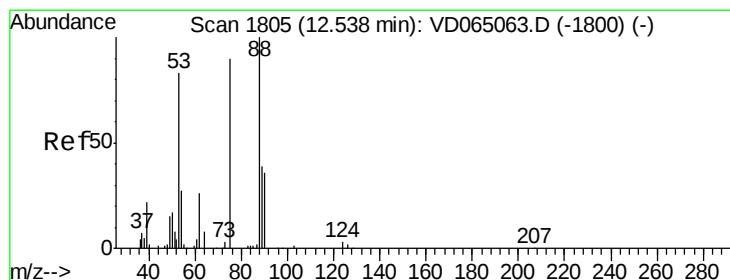
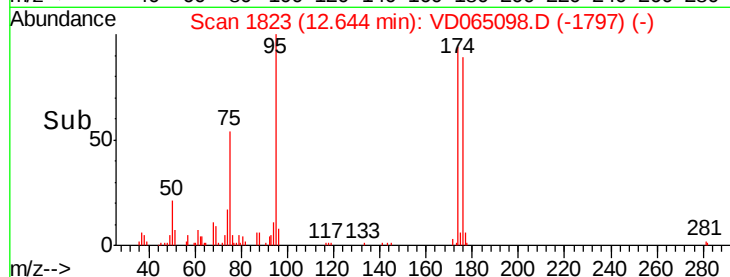
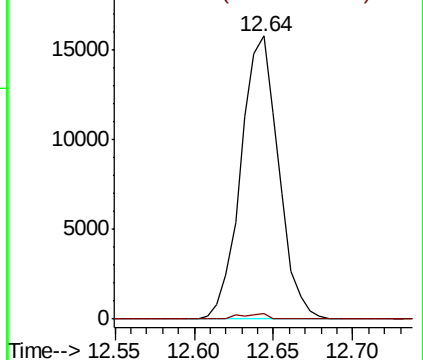
75 100

77 1.3 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: 112.711 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065098.D

Acq: 06 Feb 2020 20:41

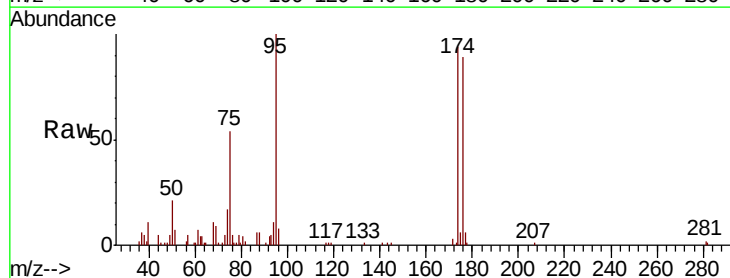
Tgt Ion: 75 Resp: 26051

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.0 55.4#



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

