

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065138.D
 Acq On : 10 Feb 2020 17:43
 Operator : VA/SY
 Sample : L1470-06
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:07:47 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	7.99	168	460784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	792532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395478	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	219023	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
35) Dibromofluoromethane	7.92	113	232545	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
50) Toluene-d8	10.34	98	935541	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.64	95	348755	64.68	ug/l	0.00
Spiked Amount			Recovery	=	129.36%	

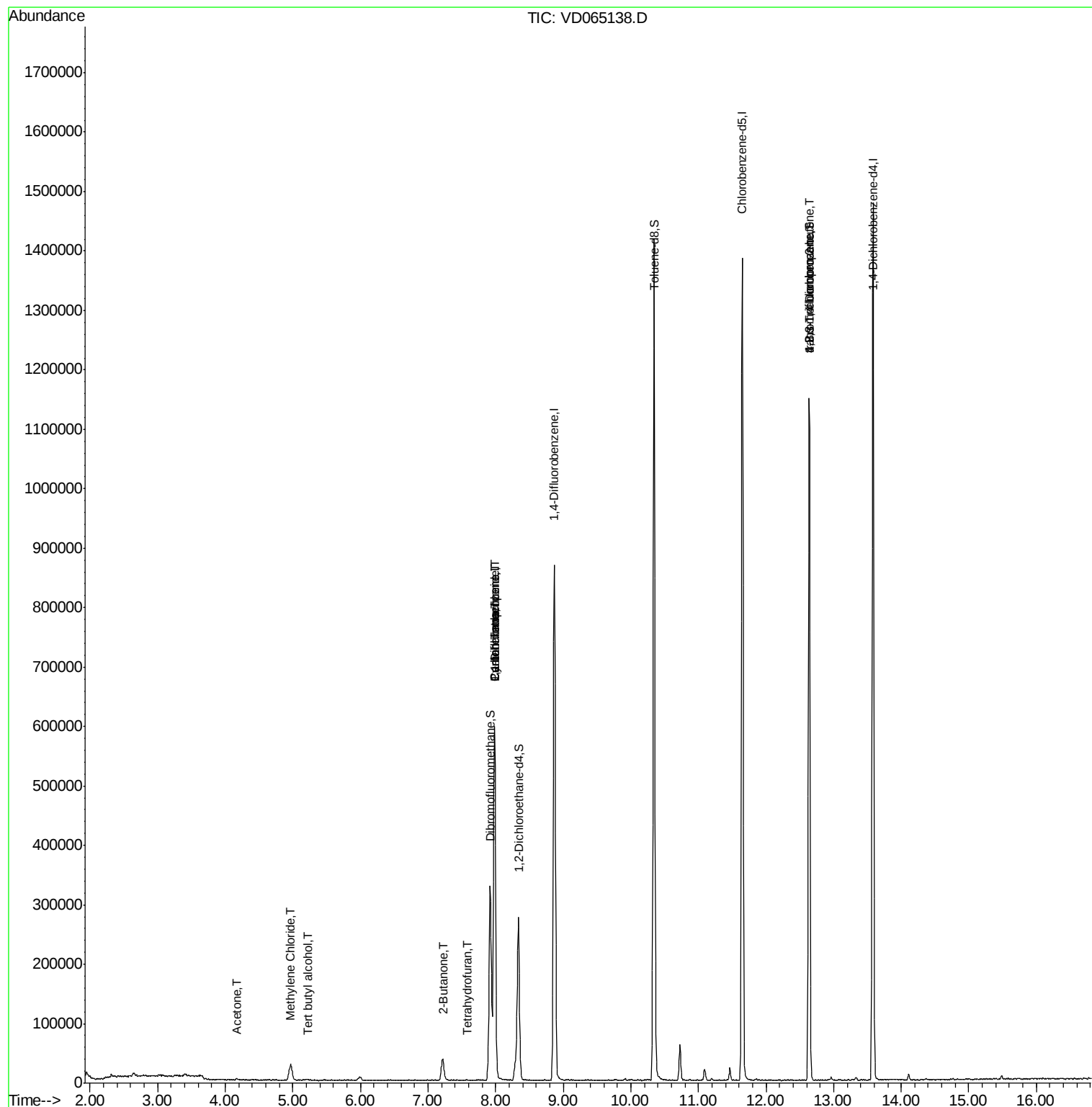
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	345	1.442	ug/l #	71
16) Acetone	4.17	43	4182	4.271	ug/l #	71
20) Methylene Chloride	4.96	84	21298	1.085	ug/l	88
25) 2-Butanone	7.23	43	3331	2.852	ug/l #	50
29) Tetrahydrofuran	7.57	42	1074	1.521	ug/l #	43
31) Cyclohexane	7.98	56	10037	1.288	ug/l #	25
36) 1,1-Dichloropropene	7.99	75	34271	4.810	ug/l #	49
38) Carbon Tetrachloride	7.99	117	45015	6.186	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	178380	59.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178380	119.146	ug/l #	10

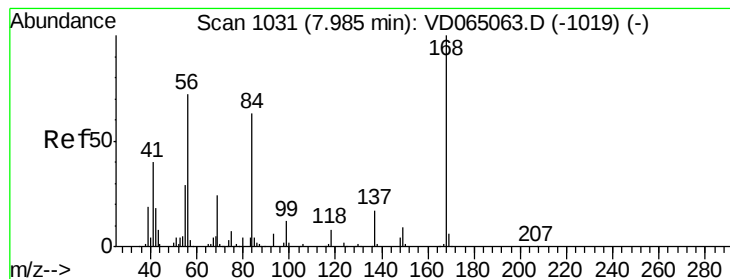
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

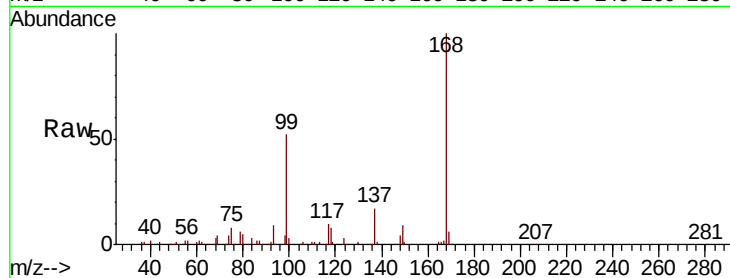
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 460784

Ion Ratio Lower Upper

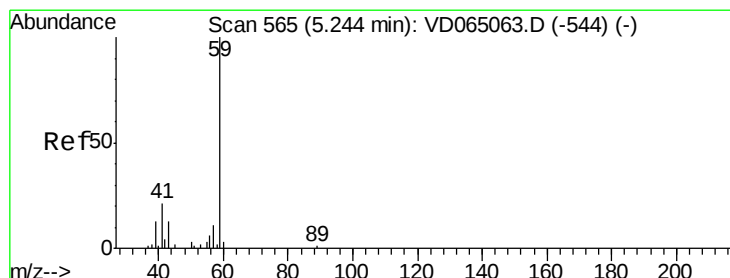
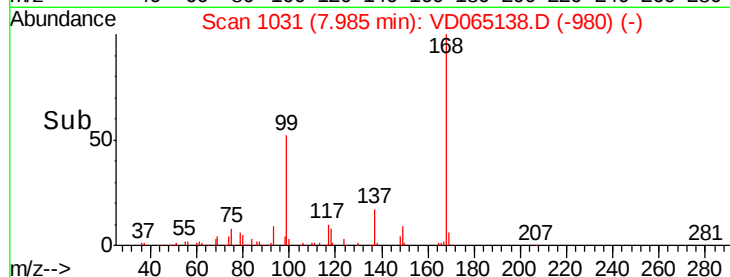
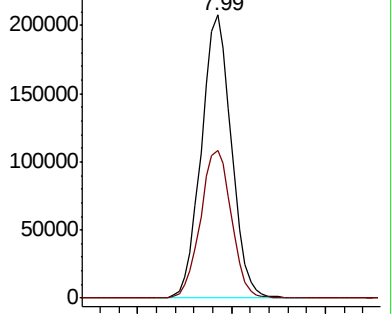
168 100

99 52.0 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: 1.442 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD065138.D

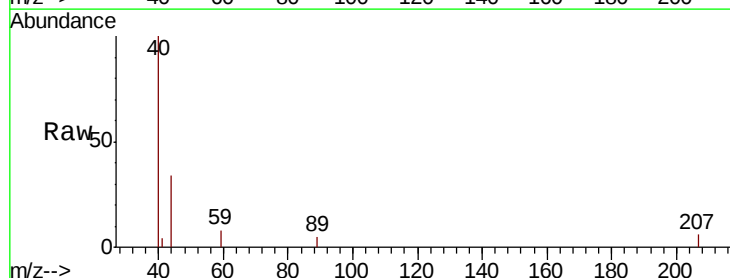
Acq: 10 Feb 2020 17:43

Tgt Ion: 59 Resp: 345

Ion Ratio Lower Upper

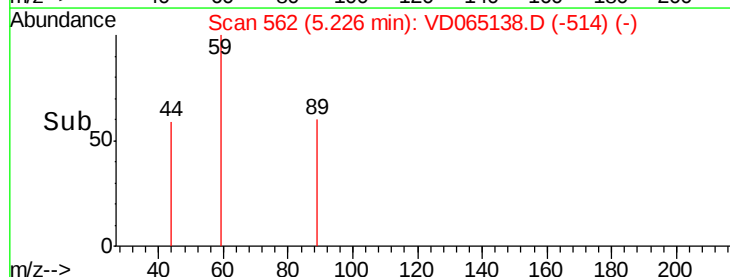
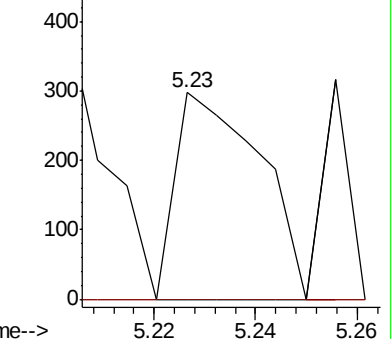
59 100

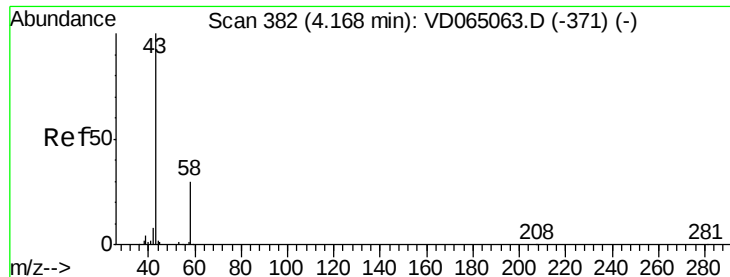
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.271 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

Instrument :

MSVOA_D

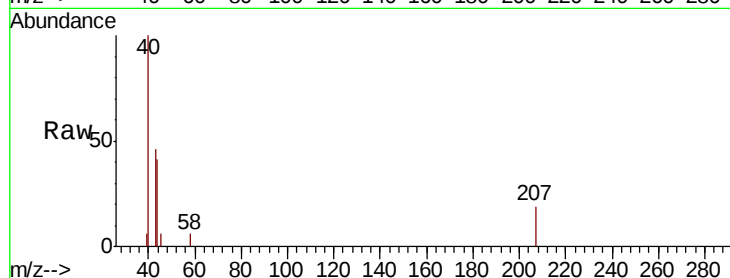
ClientSampleId :

Tot Ion: 43 Resp: 4182

Ion Ratio Lower Upper

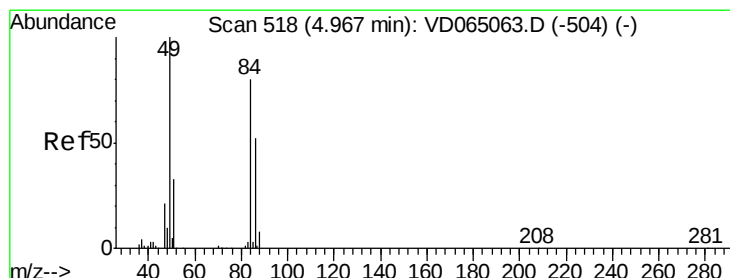
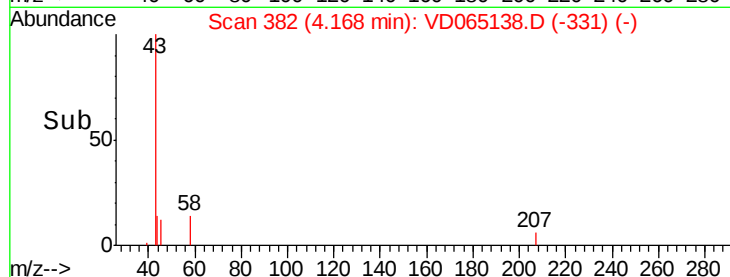
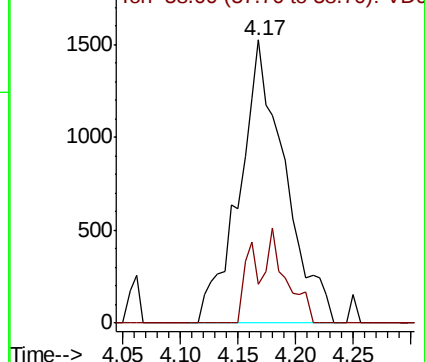
43 100

58 13.9 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.085 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

Tgt Ion: 84 Resp: 21298

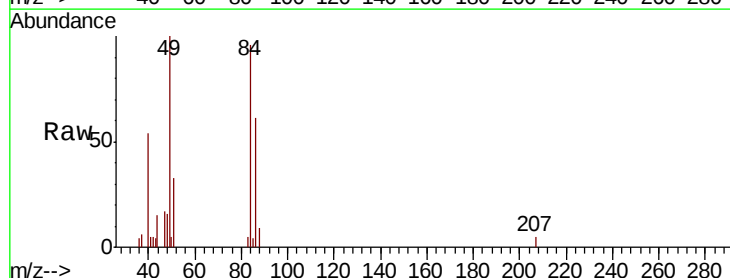
Ion Ratio Lower Upper

84 100

49 104.6 100.4 150.6

51 34.0 32.7 49.1

86 63.9 52.4 78.6

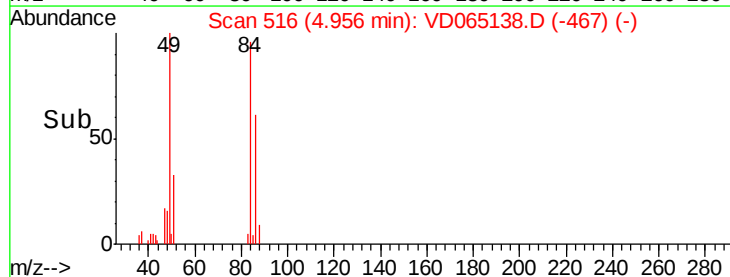
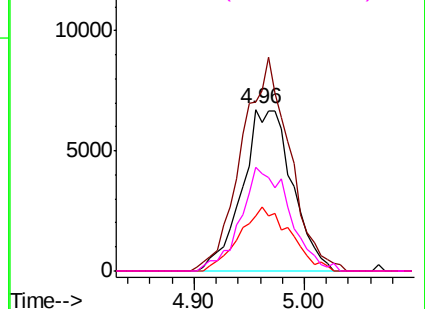


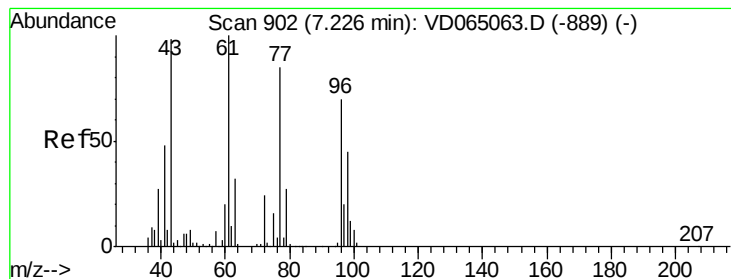
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.852 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

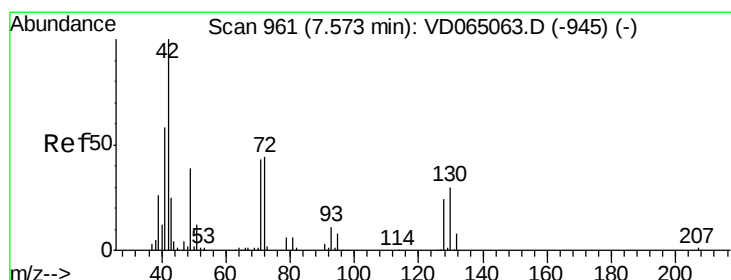
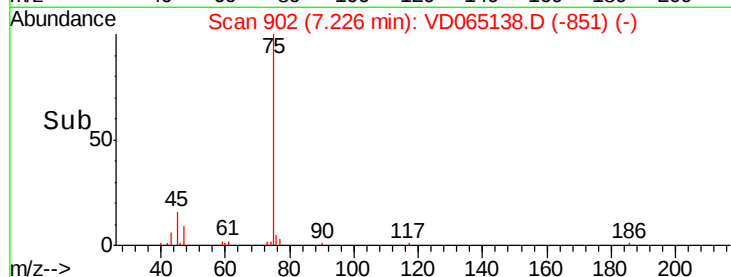
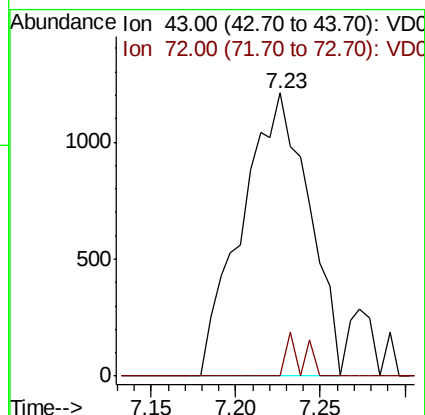
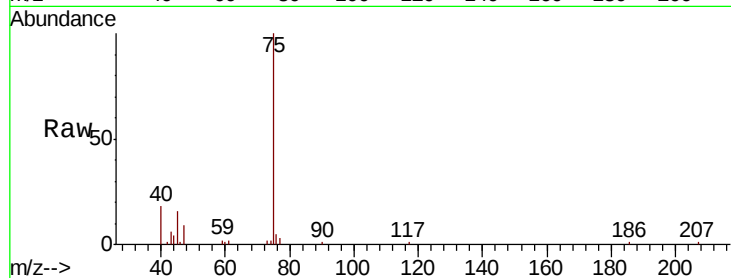
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 1.521 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

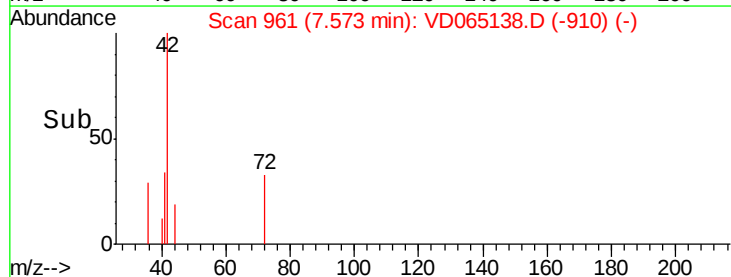
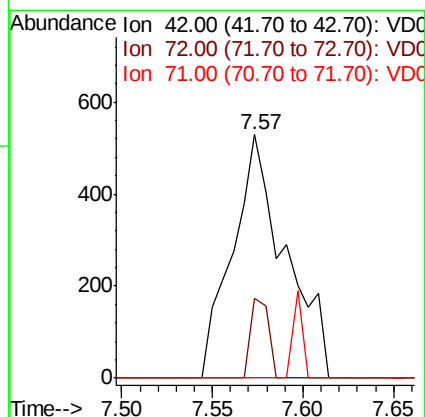
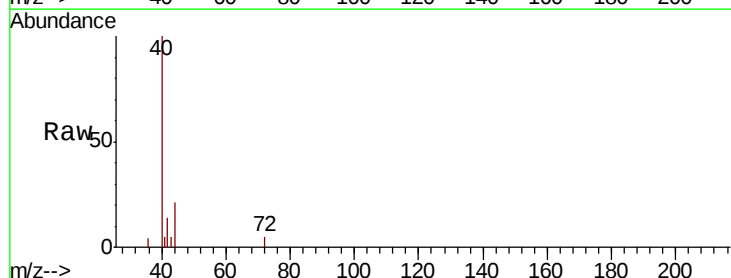
Tgt Ion: 42 Resp: 1074

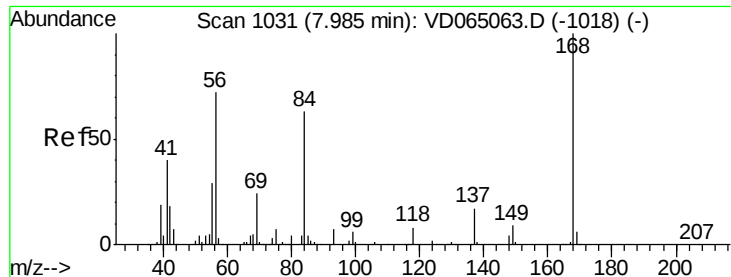
Ion Ratio Lower Upper

42 100

72 10.8 34.2 51.4#

71 0.0 31.8 47.6#

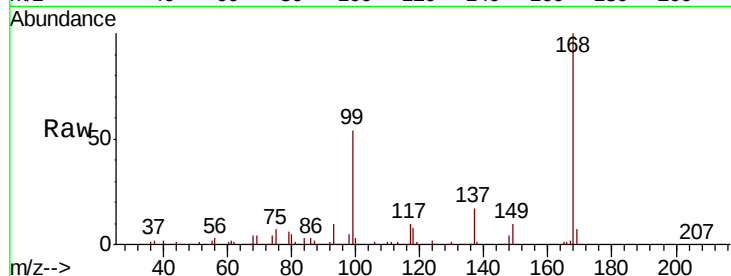




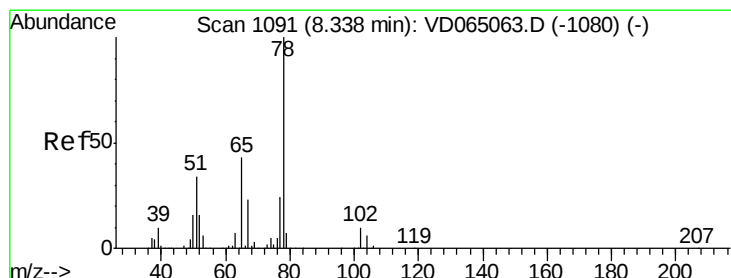
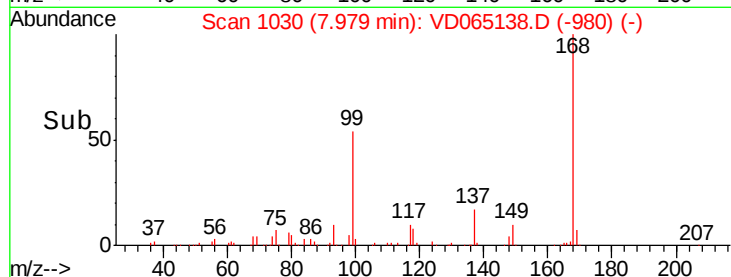
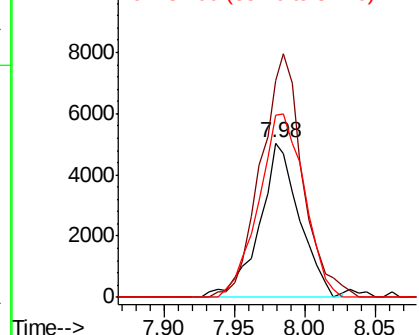
#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065138.D
Acq: 10 Feb 2020 17:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 10037
Ion Ratio Lower Upper
56 100
69 140.5 26.6 40.0#
84 118.1 70.6 106.0#

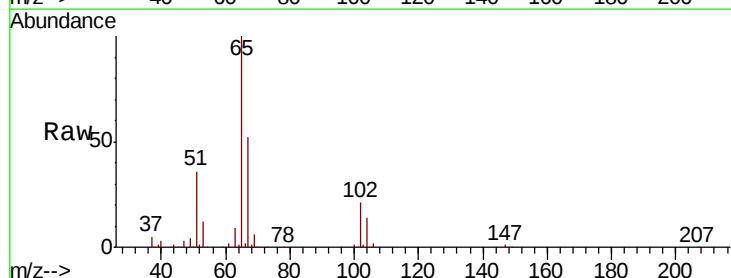


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

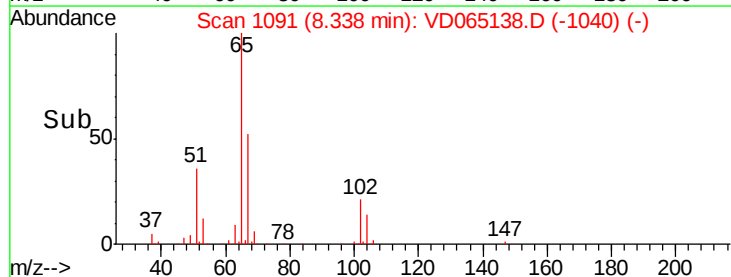
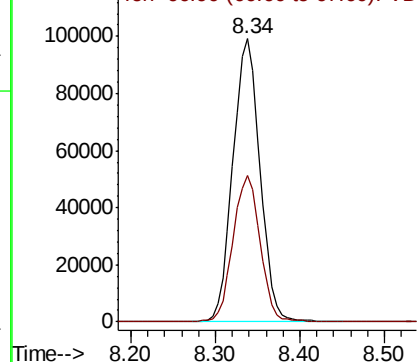


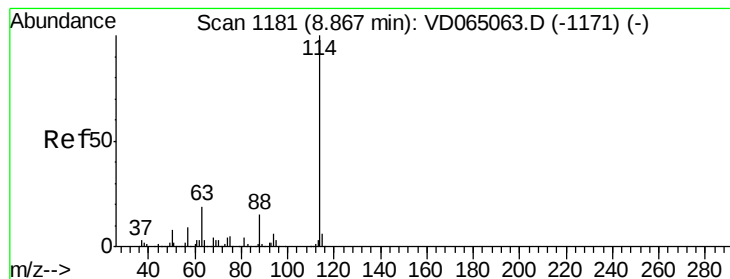
#33
1,2-Dichloroethane-d4
Concen: 55.926 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065138.D
Acq: 10 Feb 2020 17:43

Tgt Ion: 65 Resp: 219023
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8



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# 1182

Delta R.T. 0.01 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

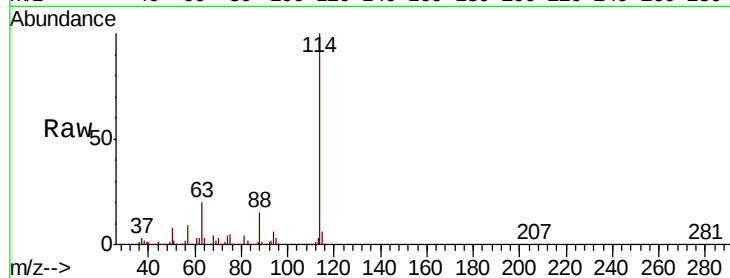
Tot Ion:114 Resp: 766272

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 15.1 0.0 29.6



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

500000

400000

300000

200000

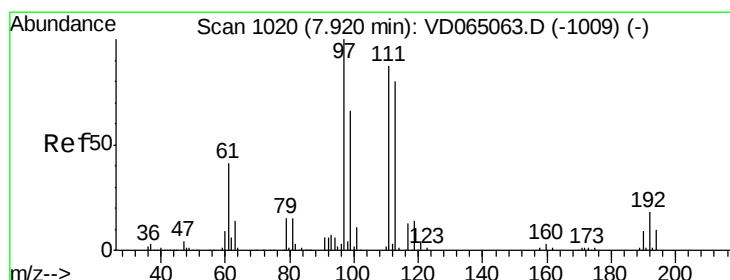
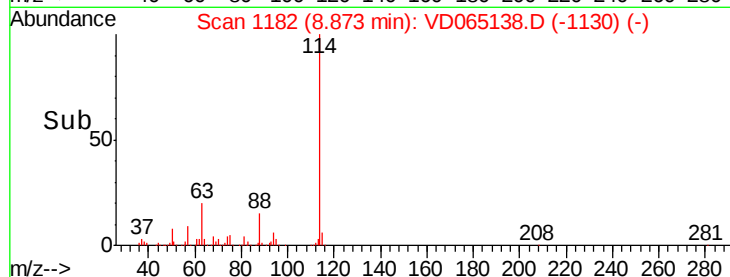
100000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 54.392 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

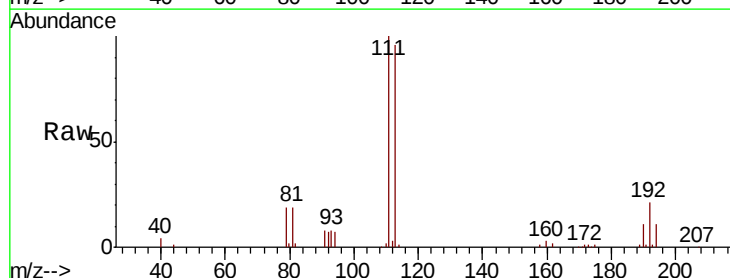
Tgt Ion:113 Resp: 232545

Ion Ratio Lower Upper

113 100

111 103.7 83.1 124.7

192 21.5 18.1 27.1



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

100000

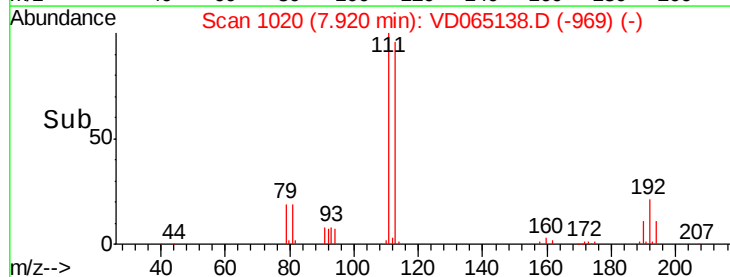
50000

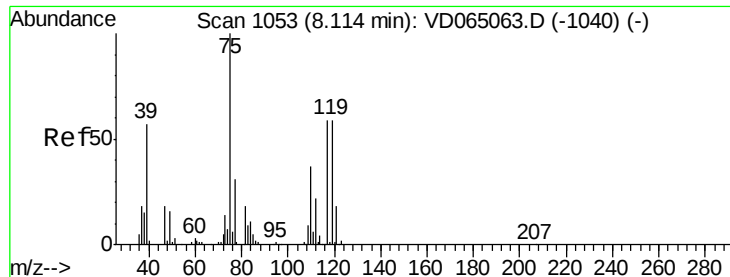
0

7.92

7.80 7.90 8.00

Time-->

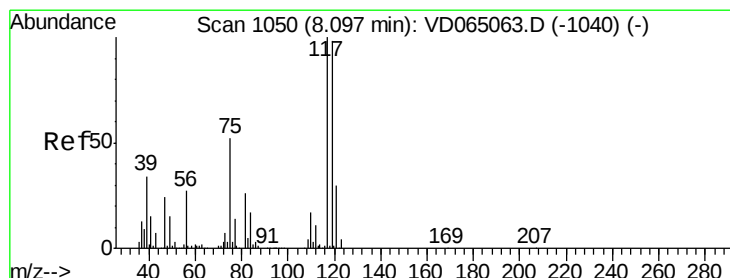
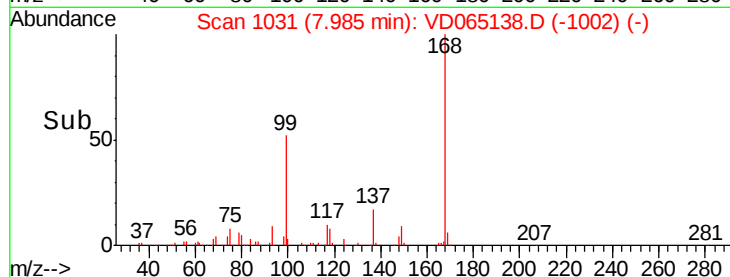
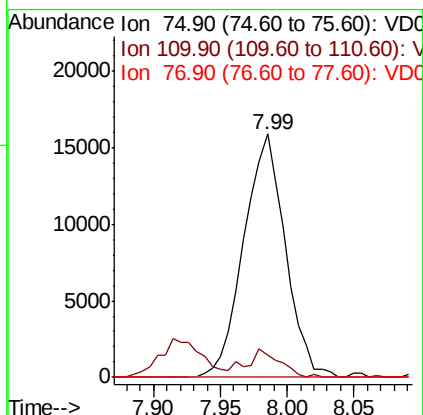
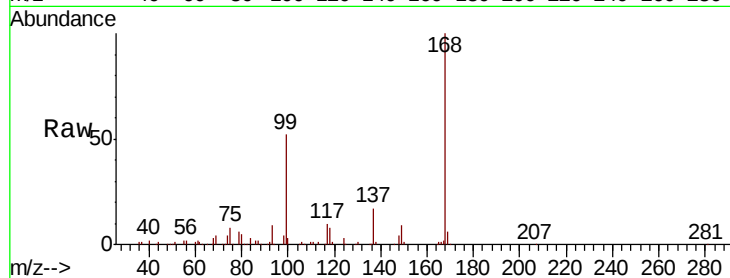




#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065138.D
 Acq: 10 Feb 2020 17:43

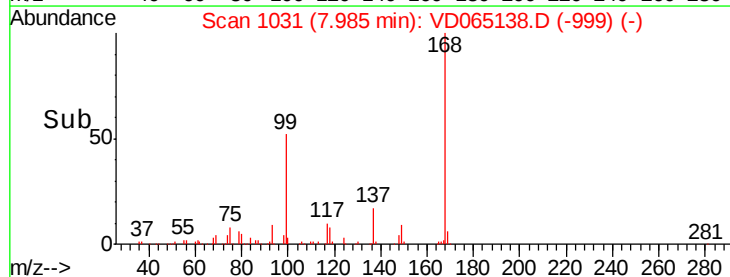
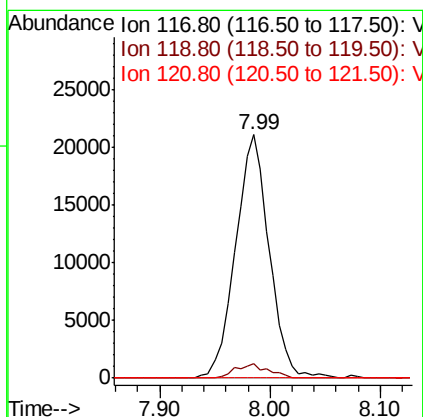
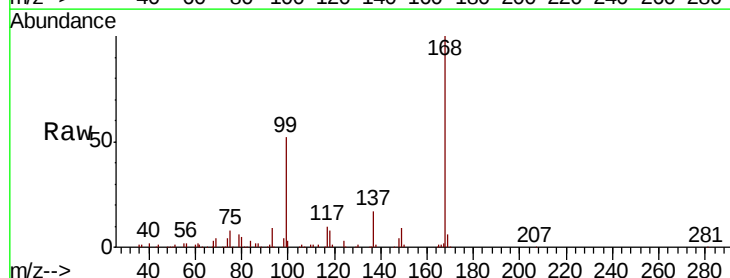
Instrument :
 MSVOA_D
 ClientSampleId :

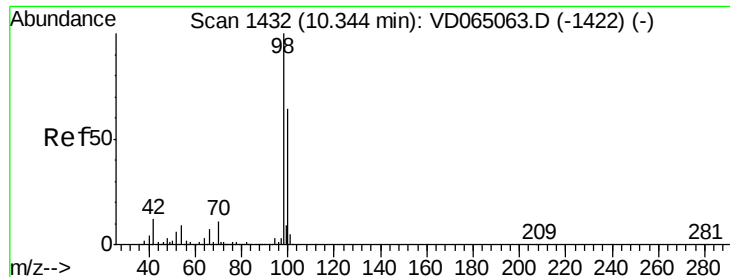
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065138.D
 Acq: 10 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.5	117.7#
121	0.0	23.8	35.6#

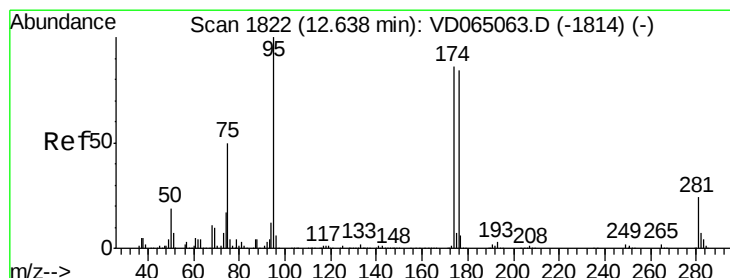
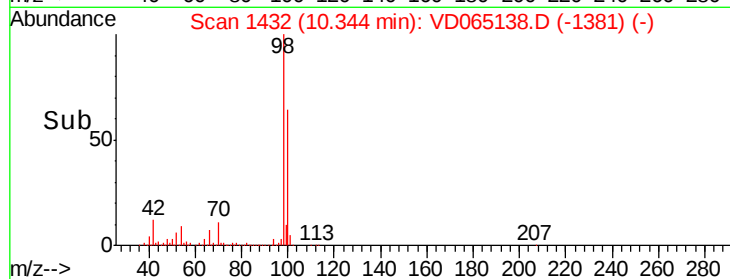
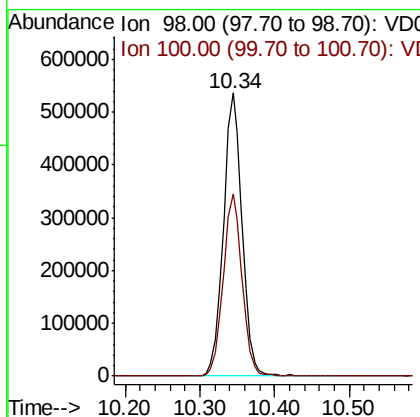
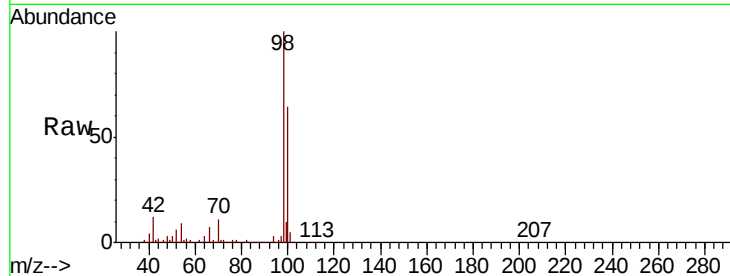




#50
Toluene-d8
Concen: 54.977 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065138.D
Acq: 10 Feb 2020 17:43

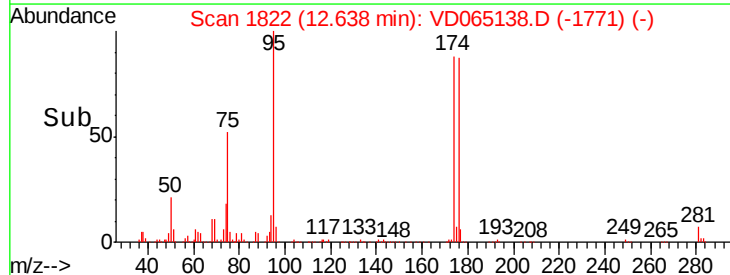
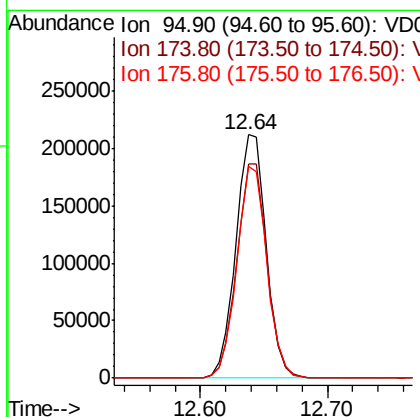
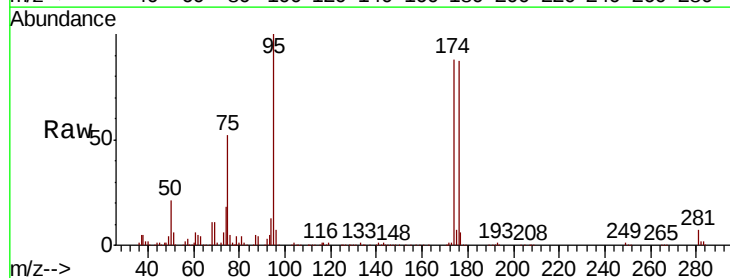
Instrument :
MSVOA_D
ClientSampleId :

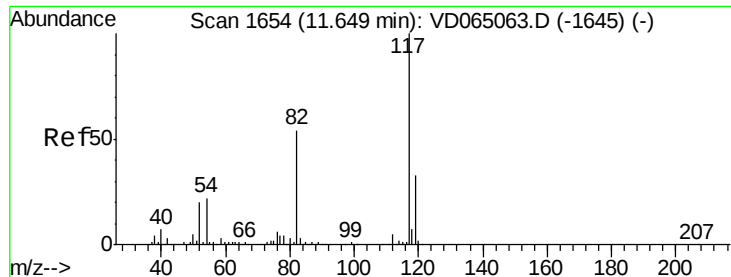
Tot Ion: 98 Resp: 93541
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 64.679 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065138.D
Acq: 10 Feb 2020 17:43

Tgt Ion: 95 Resp: 348755
Ion Ratio Lower Upper
95 100
174 88.2 0.0 180.0
176 86.2 0.0 173.2

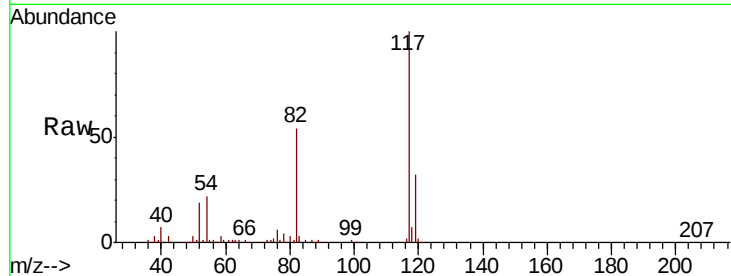




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065138.D
Acq: 10 Feb 2020 17:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.1	64.7
119	32.3	26.0	39.0

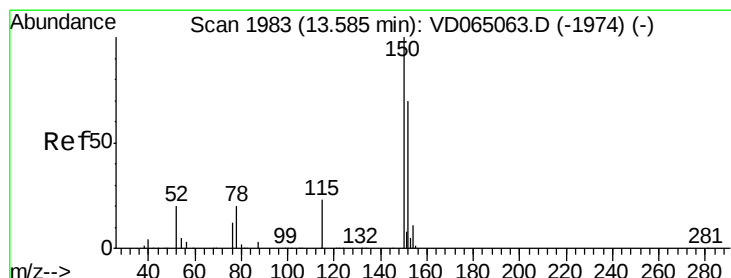
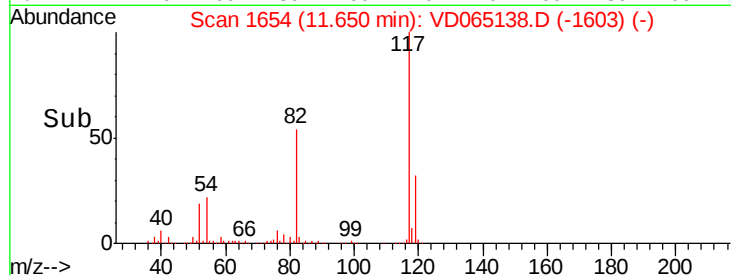
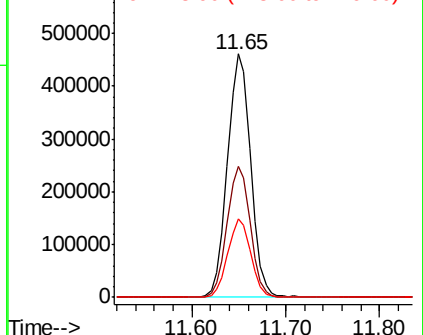


Abundance

Ion 116.90 (116.60 to 117.60): V

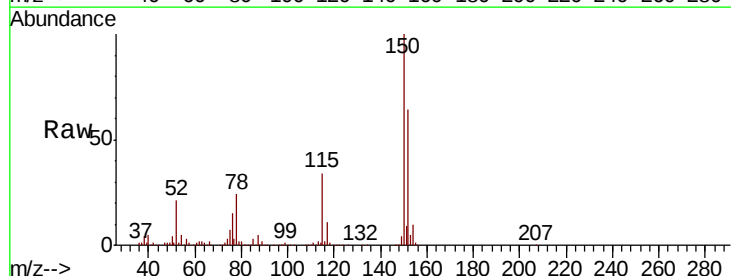
Ion 82.00 (81.70 to 82.70): V

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: VD065138.D
Acq: 10 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.5	82.4
150	154.8	0.0	343.2

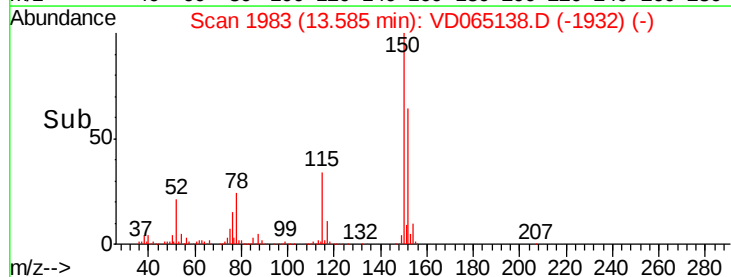
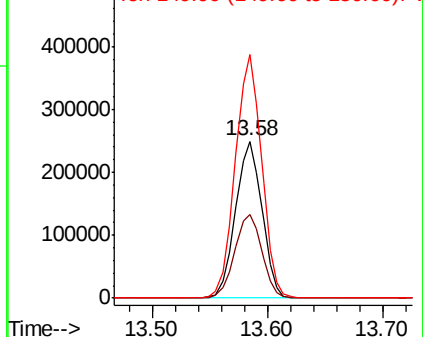


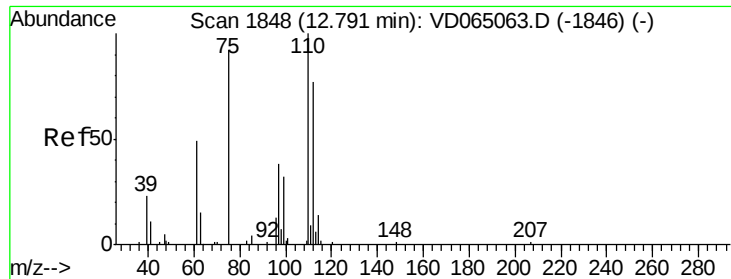
Abundance

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: 59.575 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

Instrument :

MSVOA_D

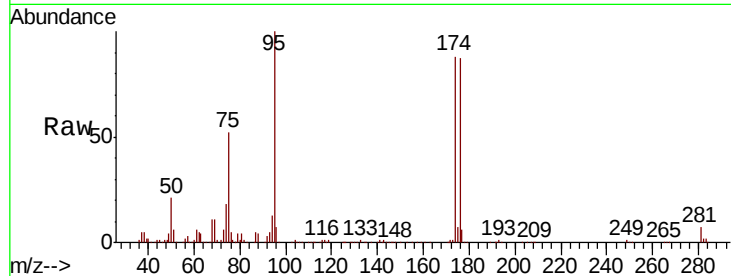
ClientSampleId :

Tot Ion: 75 Resp: 178380

Ion Ratio Lower Upper

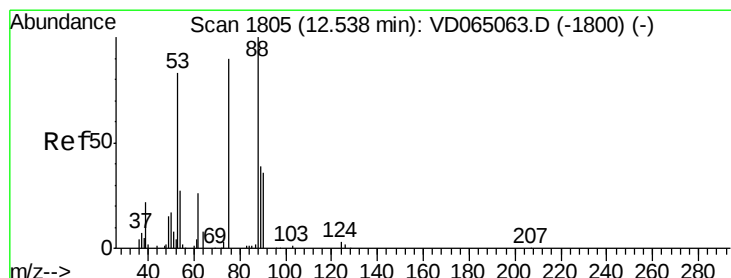
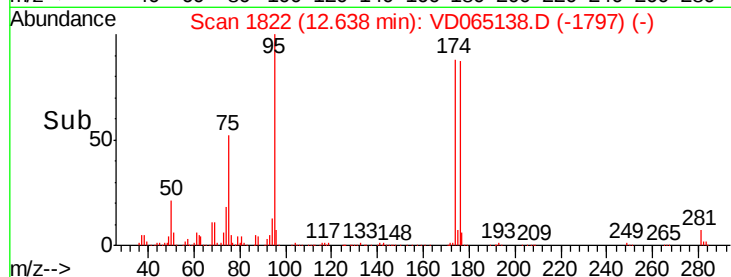
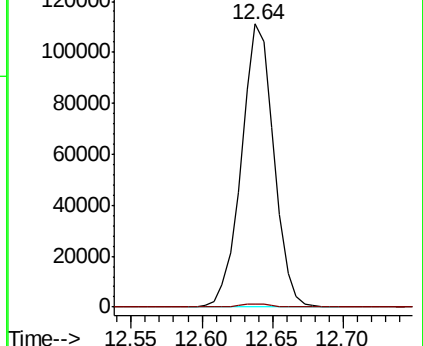
75 100

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: 119.146 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065138.D

Acq: 10 Feb 2020 17:43

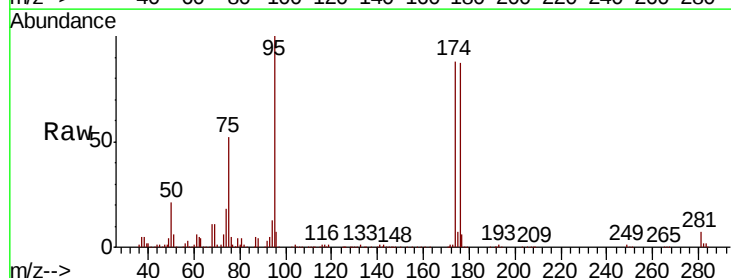
Tgt Ion: 75 Resp: 178380

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 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

