

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065308.D
 Acq On : 25 Feb 2020 15:02
 Operator : VA/SY
 Sample : L1678-01
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:38:34 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

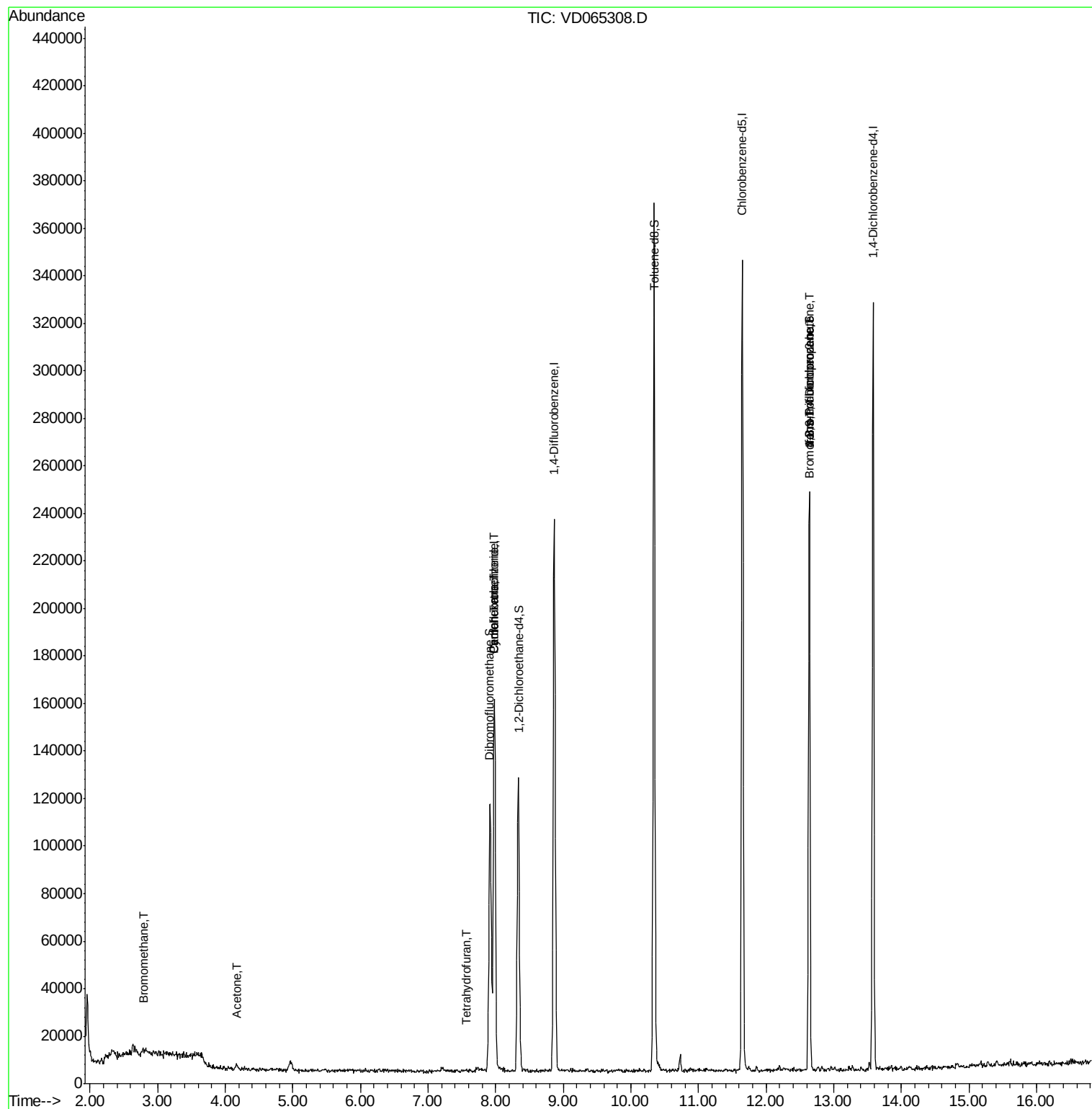
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	123336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	202256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	203836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	91919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	97286	87.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	175.36%	
35) Dibromofluoromethane	7.92	113	82376	66.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.60%	
50) Toluene-d8	10.34	98	247228	52.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.64	95	78266	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.80	94	1279	1.580	ug/l #	31
13) Acrolein	3.91	56	74	Below Cal	#	14
16) Acetone	4.17	43	3649	13.454	ug/l	96
20) Methylene Chloride	4.96	84	3051	Below Cal	#	69
29) Tetrahydrofuran	7.56	42	309	1.537	ug/l #	35
31) Cyclohexane	7.98	56	2876	1.318	ug/l #	1
38) Carbon Tetrachloride	7.98	117	11537	5.759	ug/l #	16
71) Bromoform	12.63	173	925	1.092	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	37362	47.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	37362	103.150	ug/l #	11

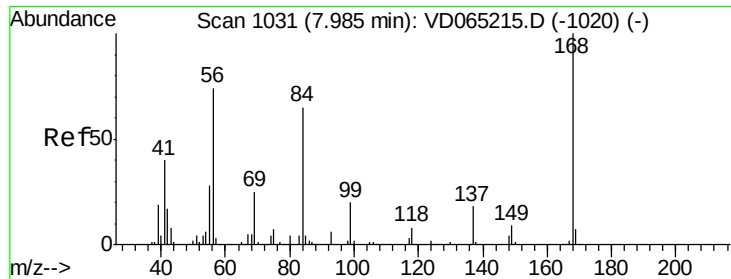
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
Data File : VD065308.D
Acq On : 25 Feb 2020 15:02
Operator : VA/SY
Sample : L1678-01
Misc : 5.87G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 25 23:38:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA_D

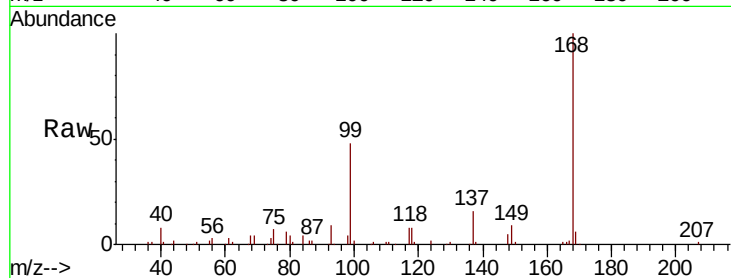
ClientSampleId :

Tot Ion:168 Resp: 123336

Ion Ratio Lower Upper

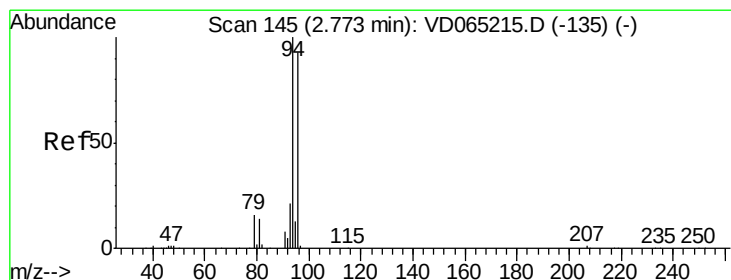
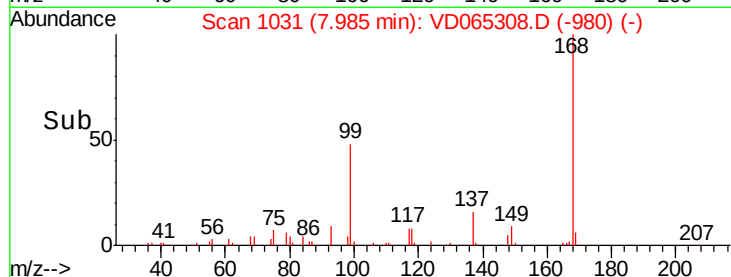
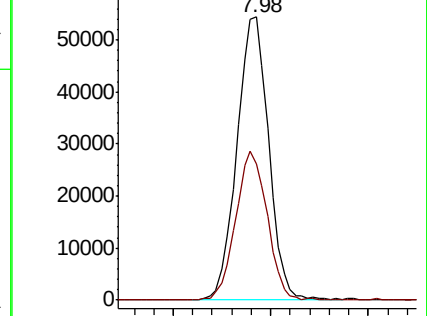
168 100

99 48.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.580 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065308.D

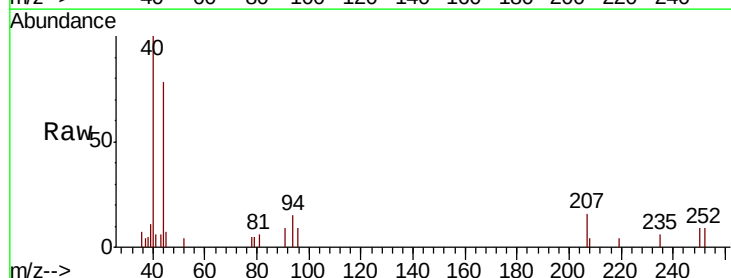
Acq: 25 Feb 2020 15:02

Tgt Ion: 94 Resp: 1279

Ion Ratio Lower Upper

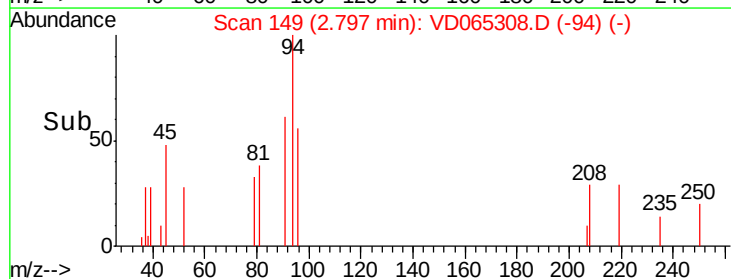
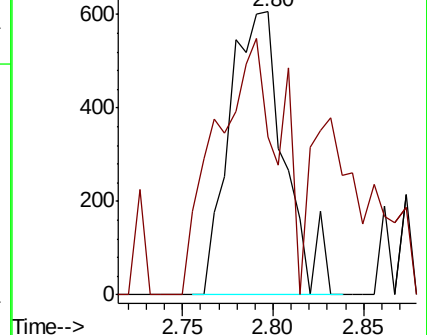
94 100

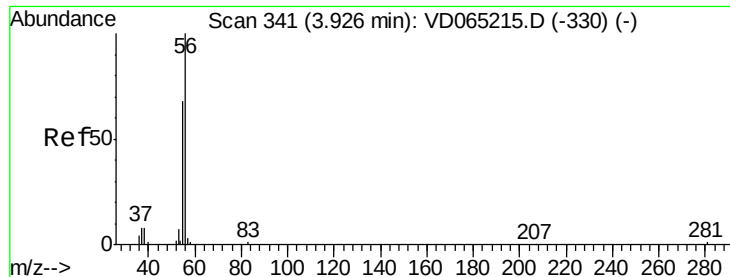
96 26.6 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA_D

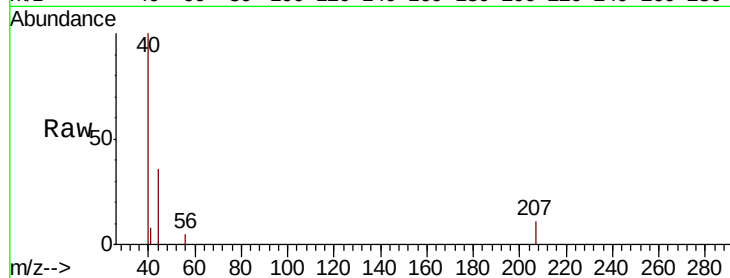
ClientSampleId :

Tot Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

200

150

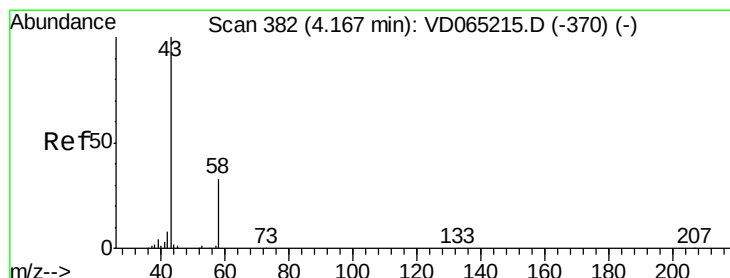
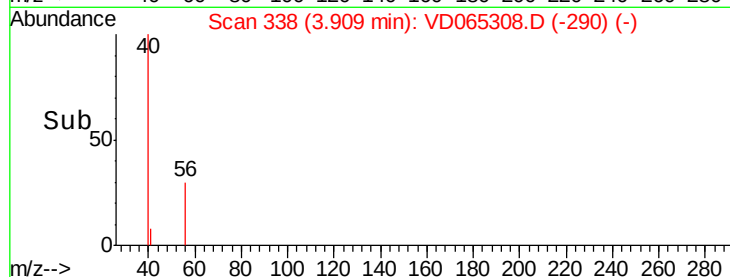
100

50

0

3.90 3.91 3.92

Time-->



#16

Acetone

Concen: 13.454 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065308.D

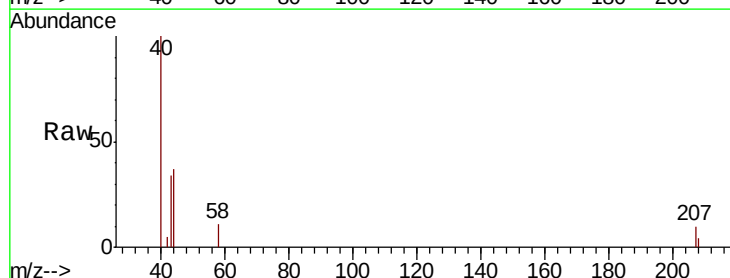
Acq: 25 Feb 2020 15:02

Tgt Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

58 30.6 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

1500

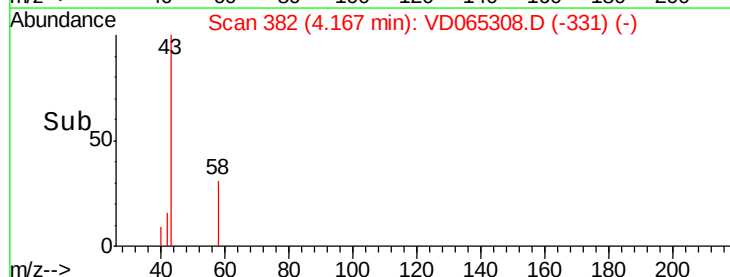
1000

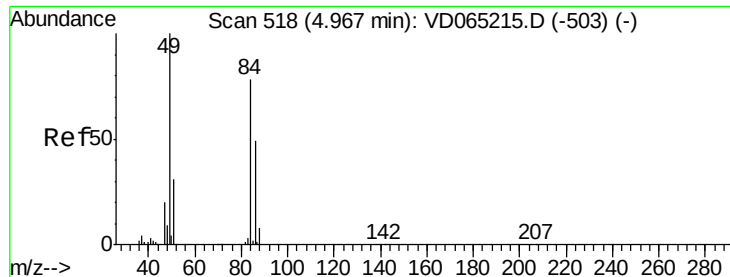
500

0

4.10 4.15 4.20 4.25

Time-->

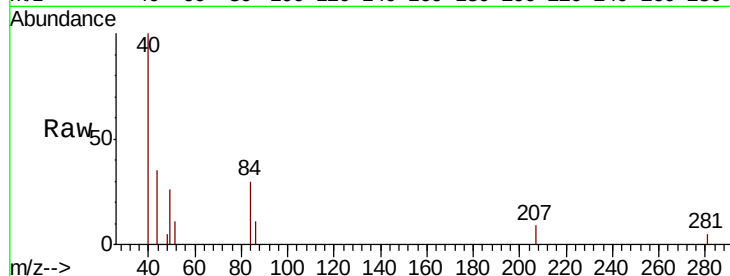




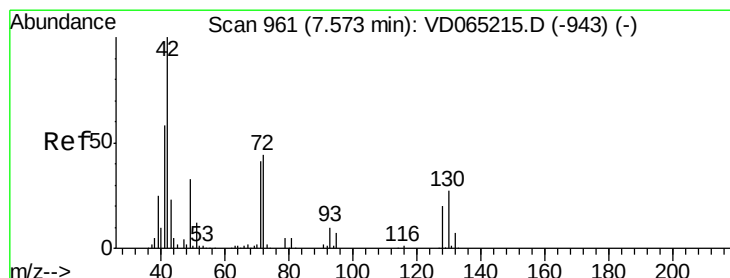
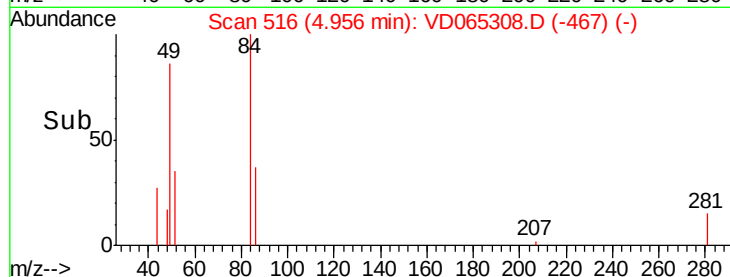
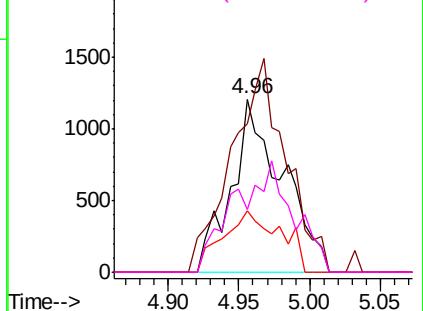
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 3051
Ion Ratio Lower Upper
84 100
49 85.7 103.1 154.7#
51 35.3 31.7 47.5
86 36.5 50.9 76.3#

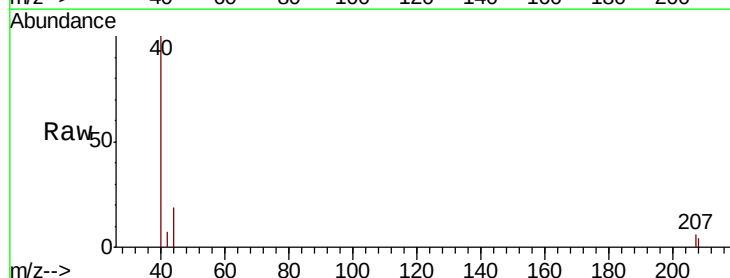


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

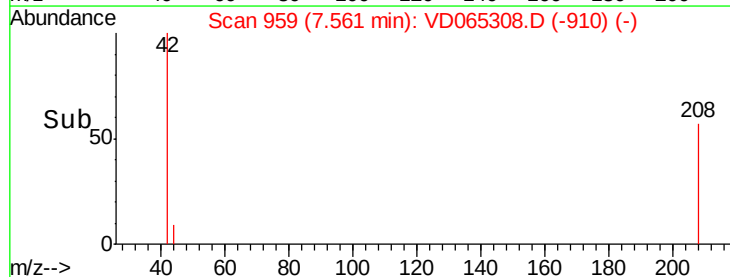
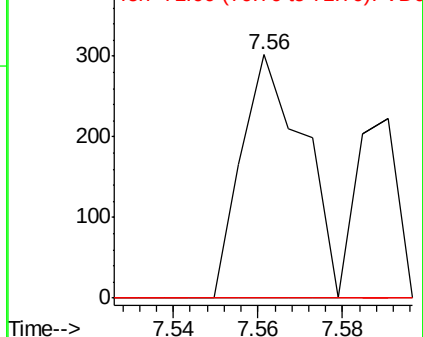


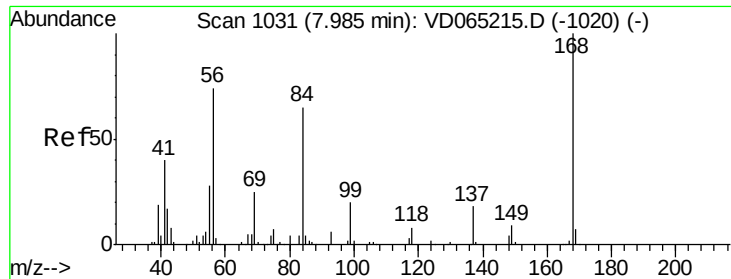
#29
Tetrahydrofuran
Concen: 1.537 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Tgt Ion: 42 Resp: 309
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#



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

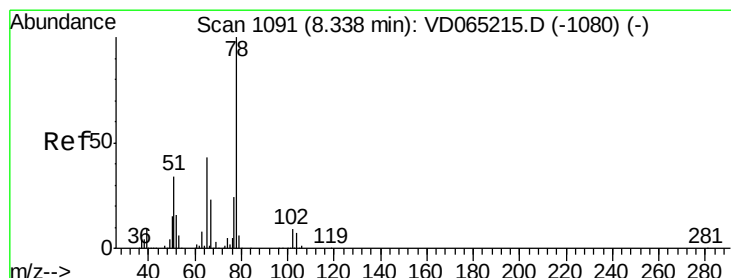
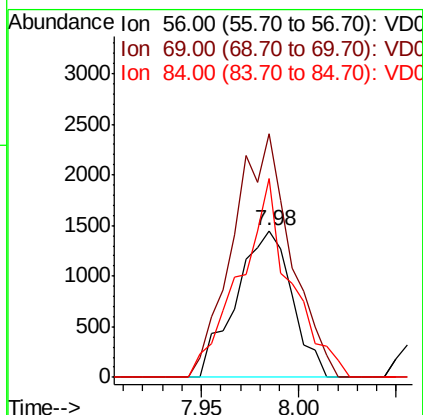
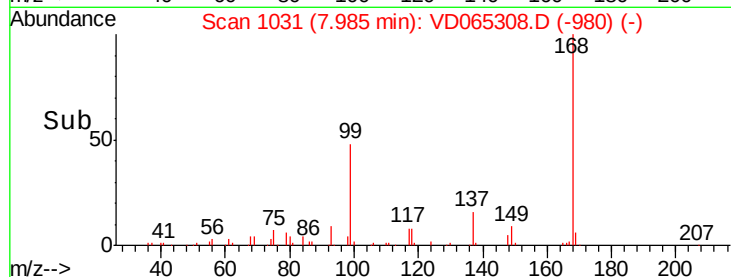
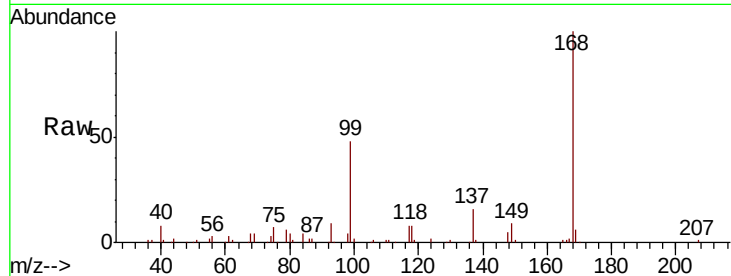




#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

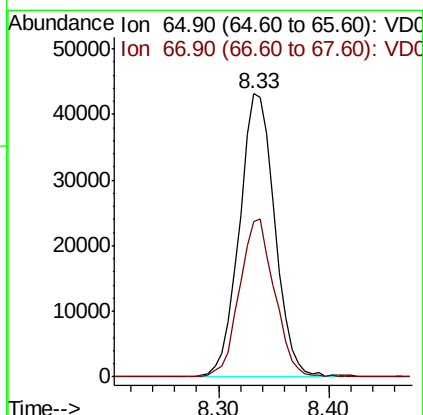
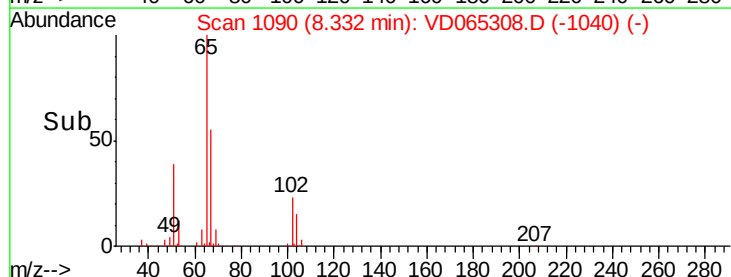
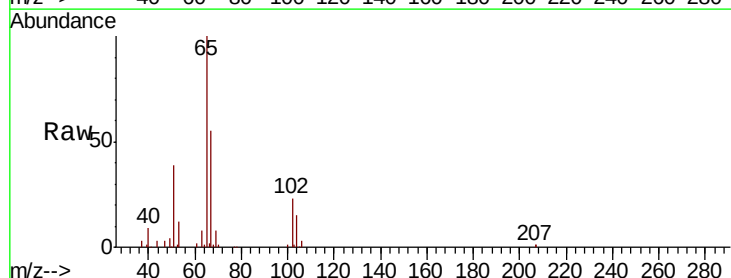
Instrument :
MSVOA_D
ClientSampled :

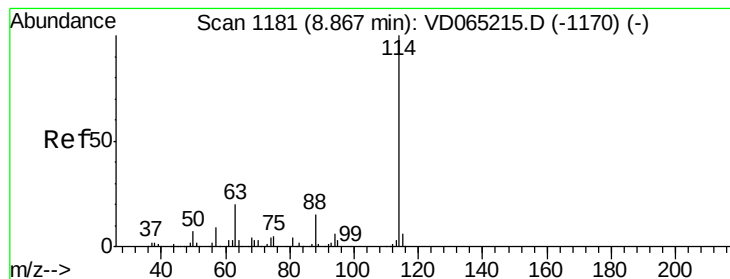
Tot Ion: 56 Resp: 2876
Ion Ratio Lower Upper
56 100
69 165.9 27.4 41.0#
84 135.2 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 87.681 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Tgt Ion: 65 Resp: 97286
Ion Ratio Lower Upper
65 100
67 54.8 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: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA_D

ClientSampled :

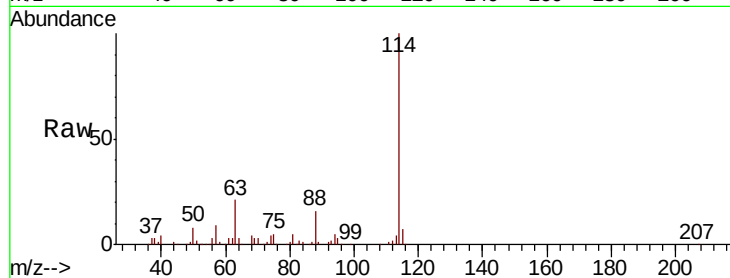
Tot Ion:114 Resp: 202256

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

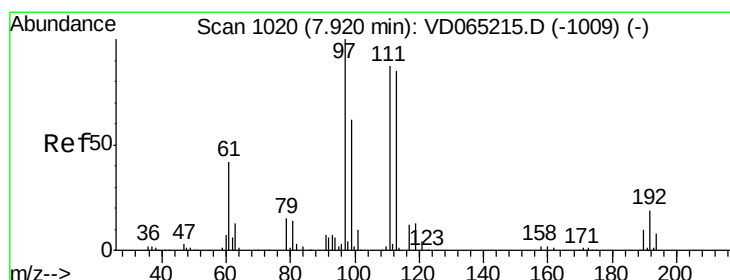
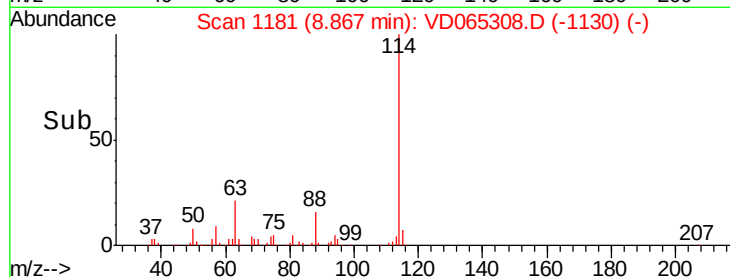
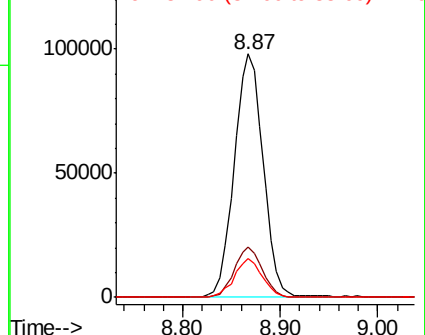
88 15.7 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 66.797 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

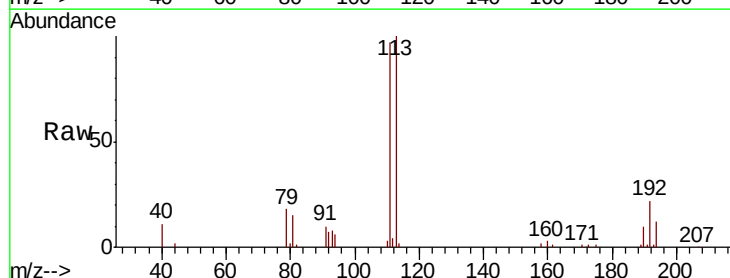
Tgt Ion:113 Resp: 82376

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

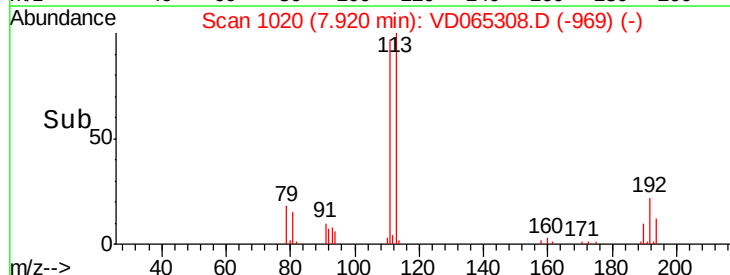
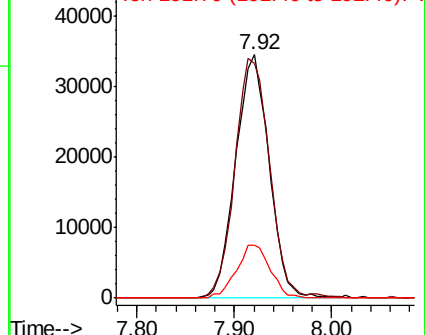
192 21.9 17.3 25.9

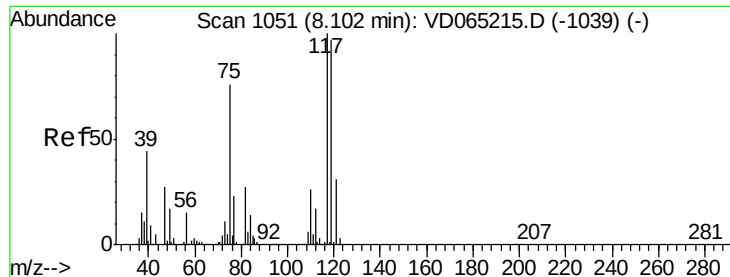


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

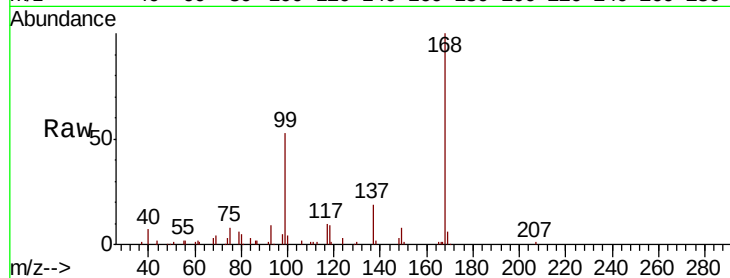




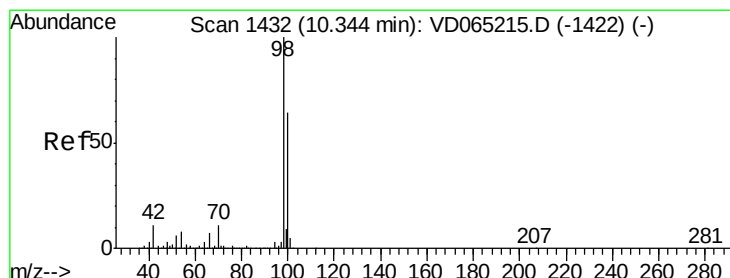
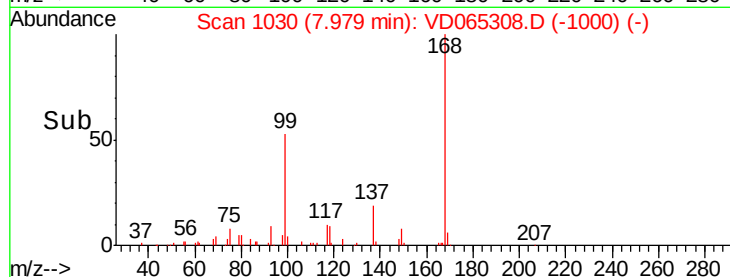
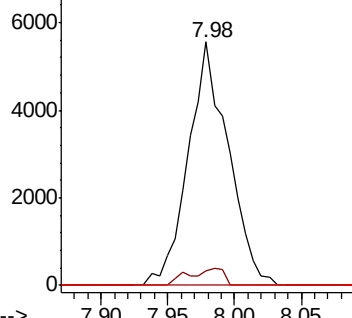
#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 11537
Ion Ratio Lower Upper
117 100
119 5.8 77.6 116.4#
121 0.0 24.8 37.2#

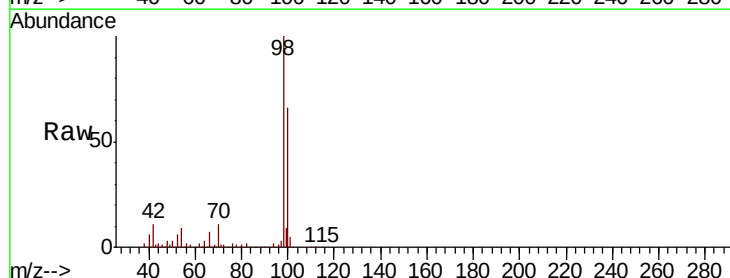


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

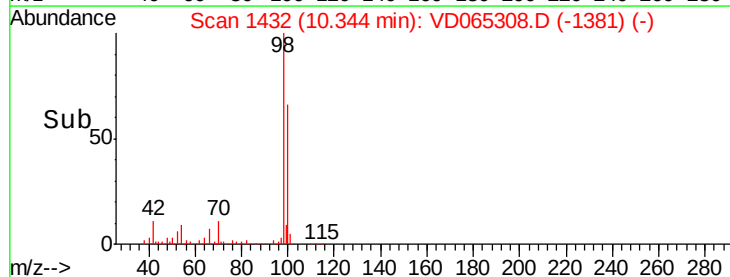
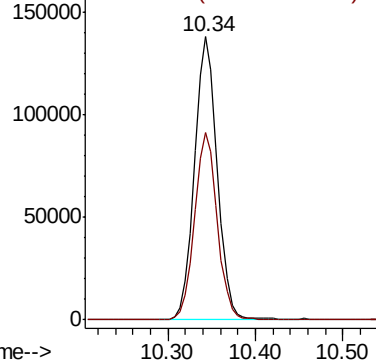


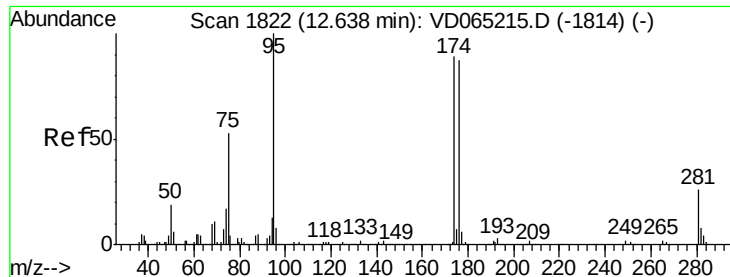
#50
Toluene-d8
Concen: 52.439 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Tgt Ion: 98 Resp: 247228
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



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

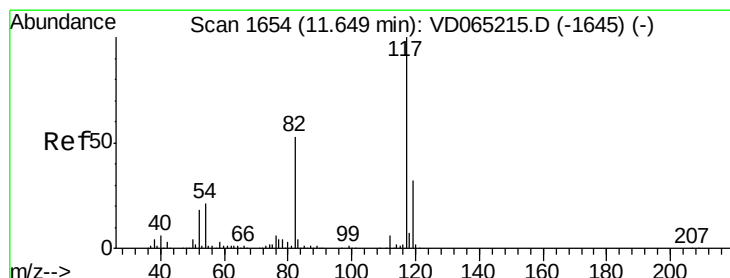
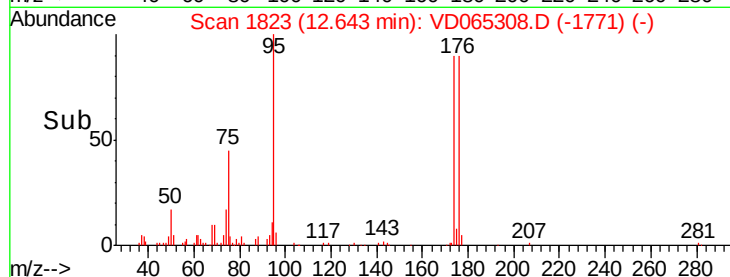
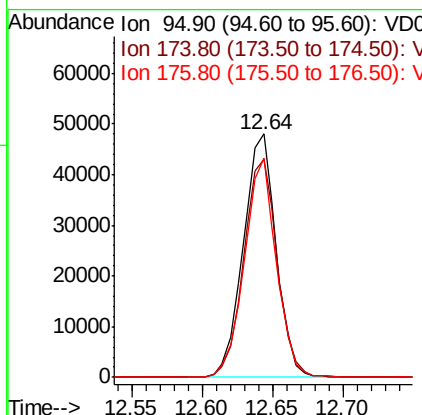
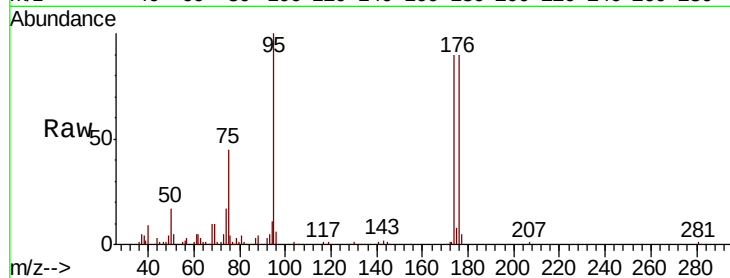




#62
4-Bromofluorobenzene
Concen: 52.403 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

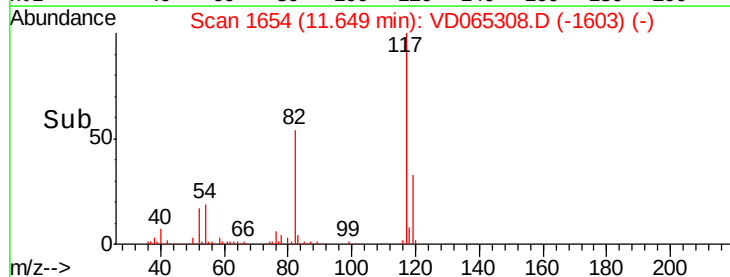
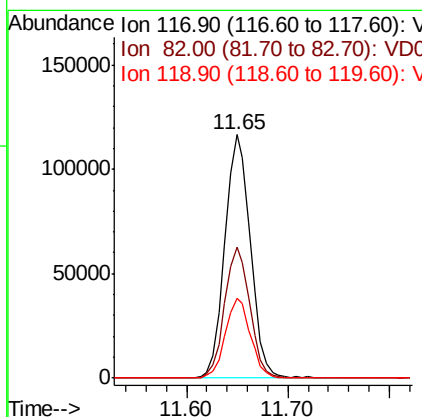
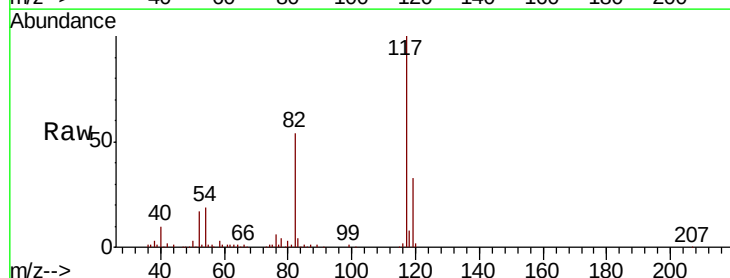
Instrument :
MSVOA_D
ClientSampleId :

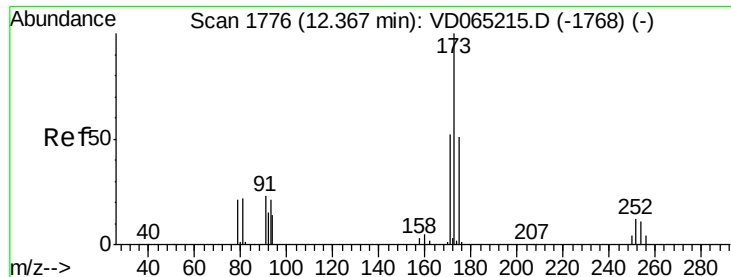
Tot Ion: 95 Resp: 78266
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.0
176 87.7 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065308.D
Acq: 25 Feb 2020 15:02

Tgt Ion: 117 Resp: 203836
Ion Ratio Lower Upper
117 100
82 54.0 42.7 64.1
119 32.6 25.5 38.3





#71

Bromoform

Concen: 1.092 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.26 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

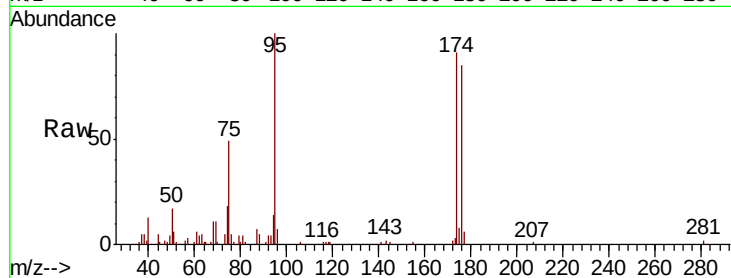
Tot Ion:173 Resp: 925

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.4#

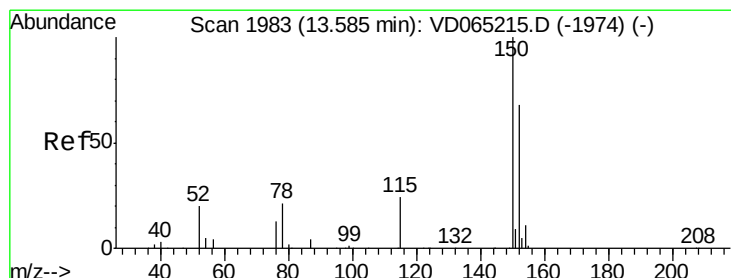
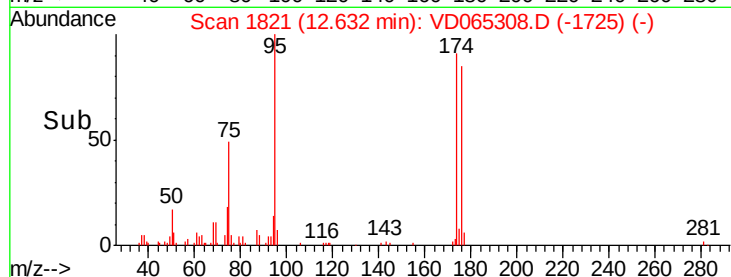
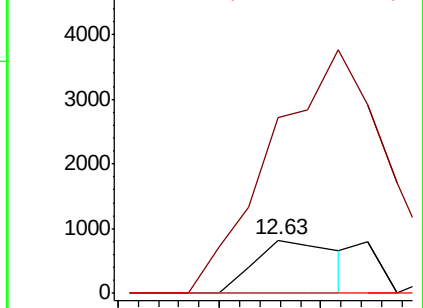
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD065308.D

Acq: 25 Feb 2020 15:02

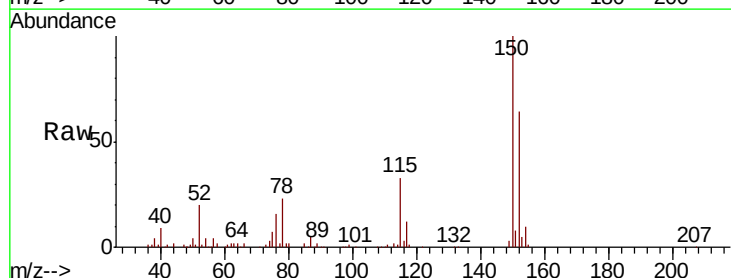
Tgt Ion:152 Resp: 91919

Ion Ratio Lower Upper

152 100

115 54.5 27.6 82.8

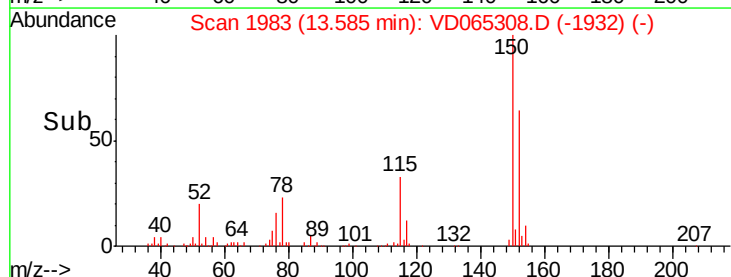
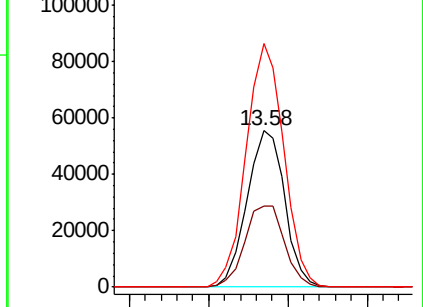
150 155.3 0.0 347.4

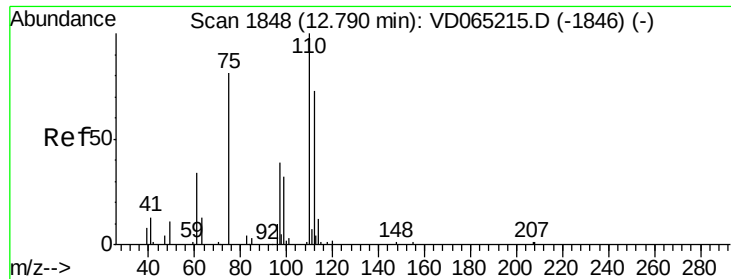


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 47.773 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA_D

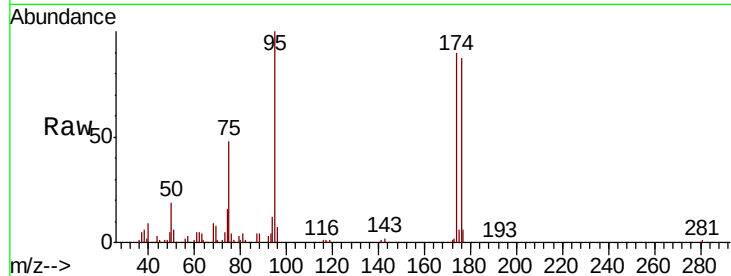
ClientSampleId :

Tot Ion: 75 Resp: 37362

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

25000

20000

15000

10000

5000

0

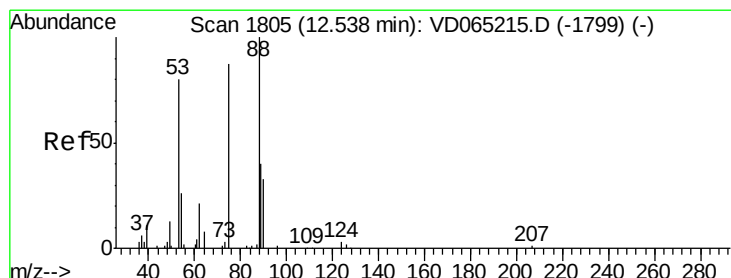
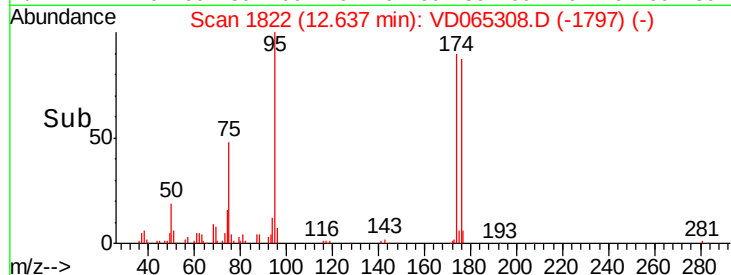
12.64

12.60

12.65

12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 103.150 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

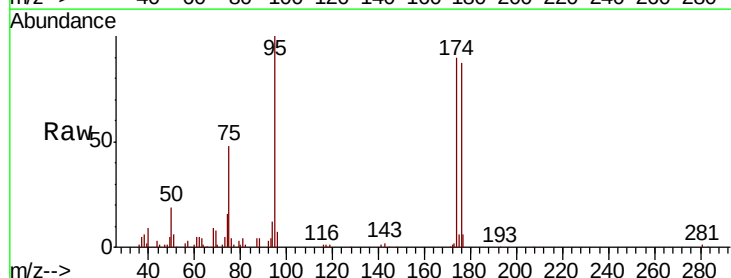
Tgt Ion: 75 Resp: 37362

Ion Ratio Lower Upper

75 100

53 0.0 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

30000

25000

20000

15000

10000

5000

0

12.64

12.60

12.65

12.70

Time-->

