

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065233.D
 Acq On : 19 Feb 2020 12:25
 Operator : VA/SY
 Sample : VD0219SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:39:53 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	563381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	913725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	887452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	412914	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	254567	50.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.46%	
35) Dibromofluoromethane	7.92	113	283931	50.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.92%	
50) Toluene-d8	10.34	98	1105588	51.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	374296	55.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.94%	

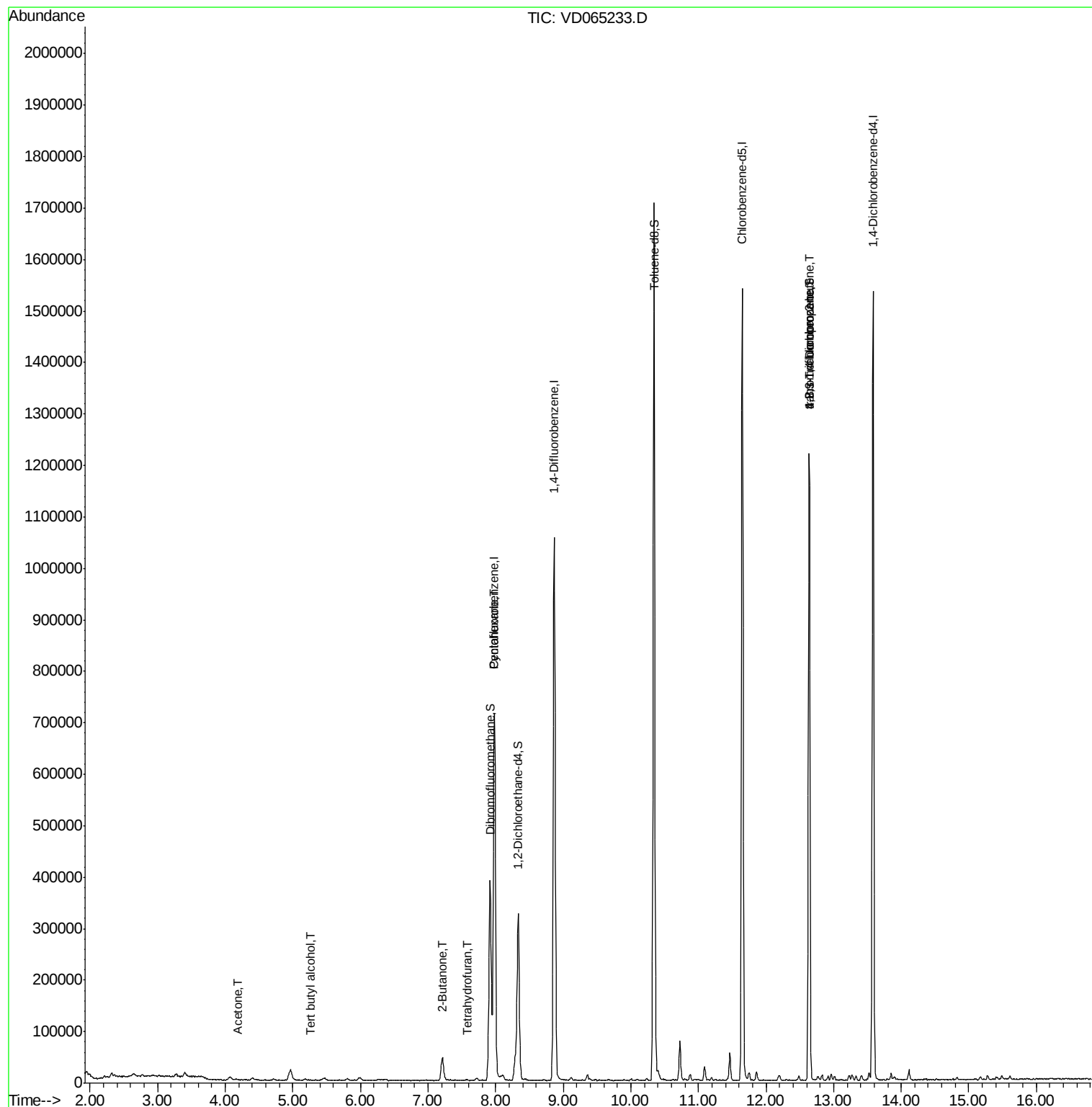
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	377	1.245	ug/l #	72
13) Acrolein	3.92	56	482	Below Cal		92
16) Acetone	4.17	43	4078	3.292	ug/l #	88
20) Methylene Chloride	4.97	84	15139	Below Cal		92
25) 2-Butanone	7.21	43	3842	2.451	ug/l	92
29) Tetrahydrofuran	7.58	42	944	1.028	ug/l #	40
31) Cyclohexane	7.99	56	14529	1.458	ug/l #	6
76) 1,2,3-Trichloropropane	12.64	75	183456	52.219	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	183456	112.750	ug/l #	11

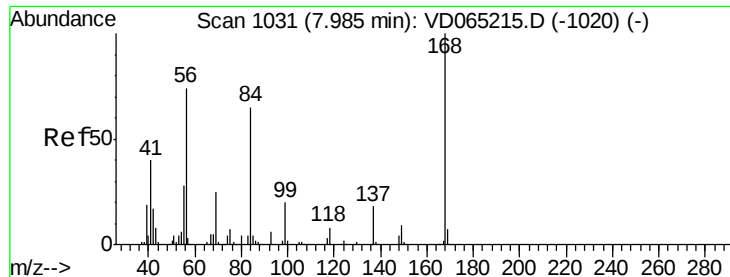
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021920\
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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Feb 20 03:39:53 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# 1030

Delta R.T. -0.01 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :

MSVOA_D

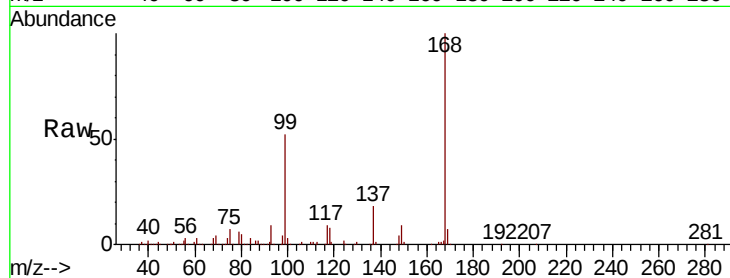
ClientSampleId :

Tot Ion:168 Resp: 563381

Ion Ratio Lower Upper

168 100

99 51.8 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

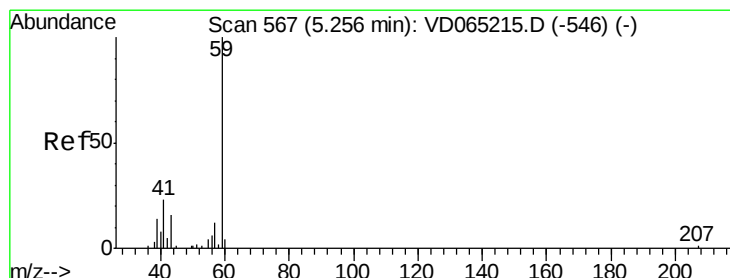
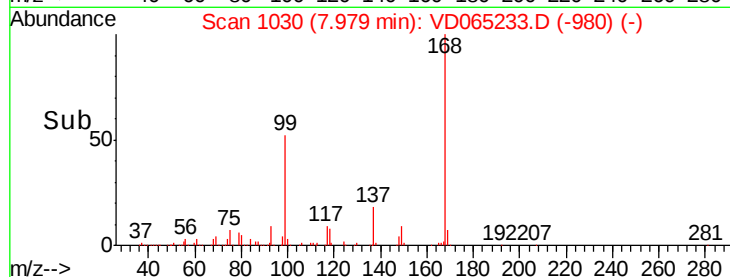
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.245 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065233.D

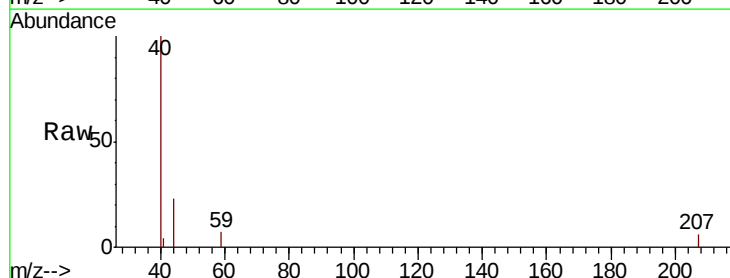
Acq: 19 Feb 2020 12:25

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

500

400

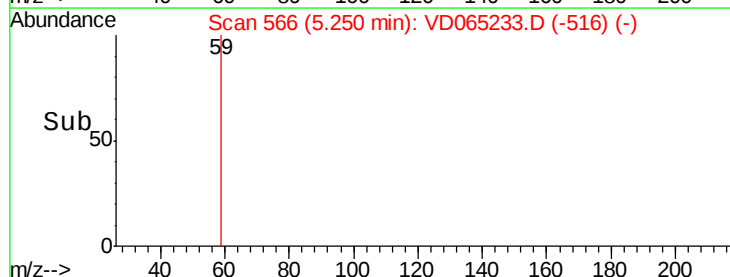
300

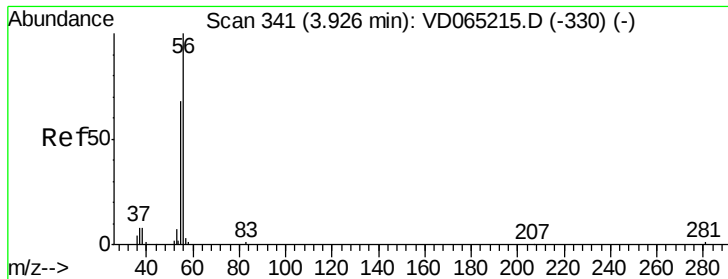
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :

MSVOA_D

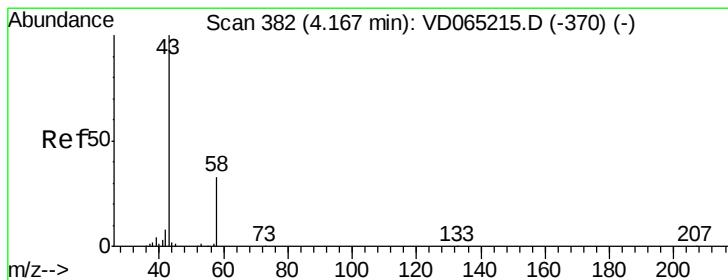
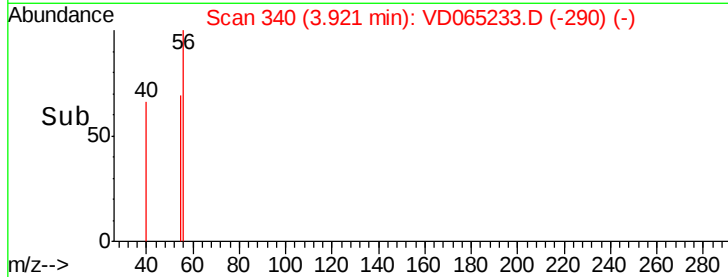
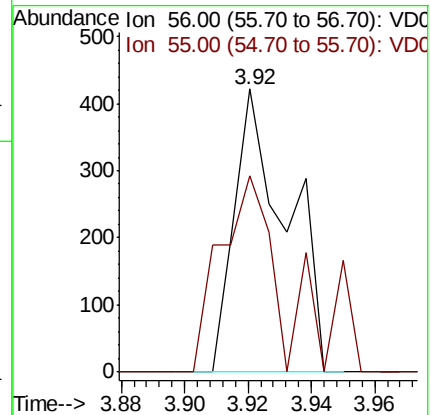
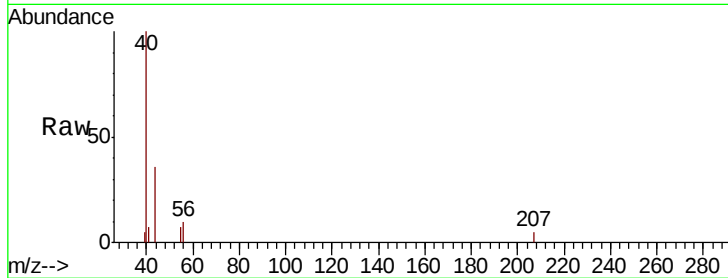
ClientSampleId :

Tot Ion: 56 Resp: 482

Ion Ratio Lower Upper

56 100

55 64.5 56.6 85.0



#16

Acetone

Concen: 3.292 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065233.D

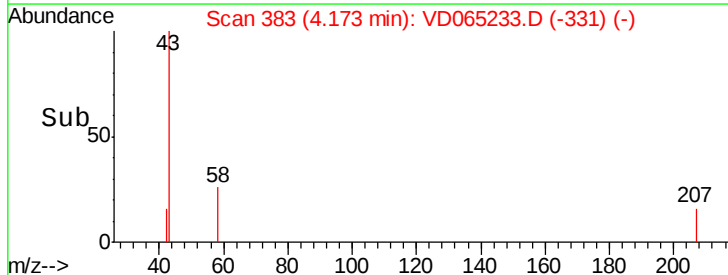
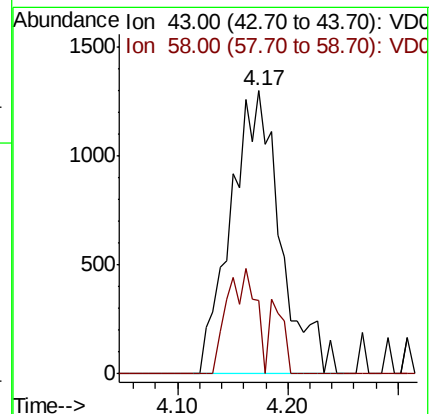
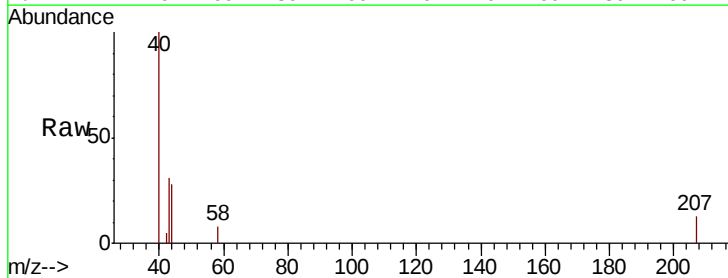
Acq: 19 Feb 2020 12:25

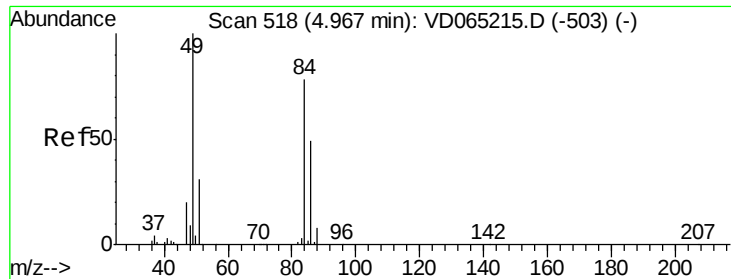
Tgt Ion: 43 Resp: 4078

Ion Ratio Lower Upper

43 100

58 25.8 26.2 39.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 15139

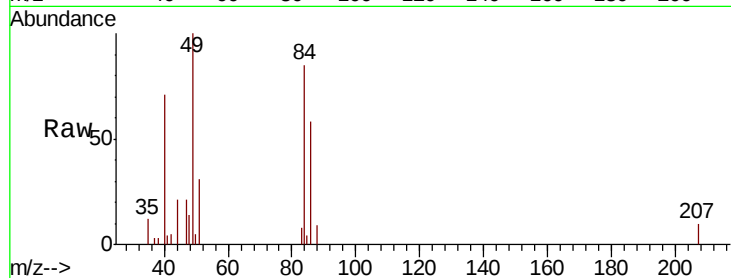
Ion Ratio Lower Upper

84 100

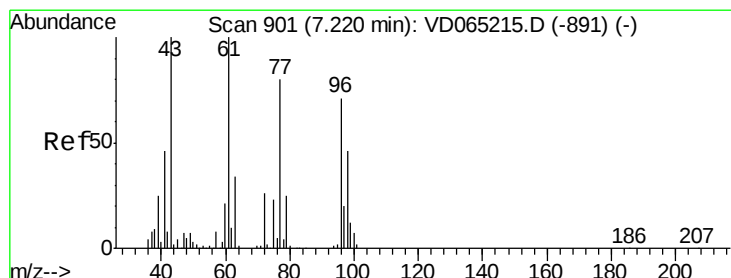
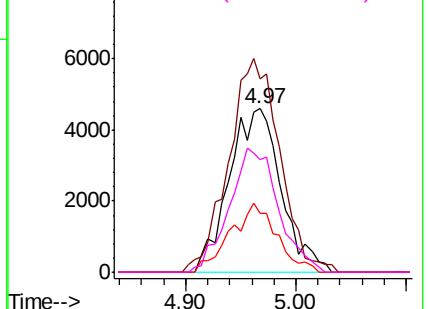
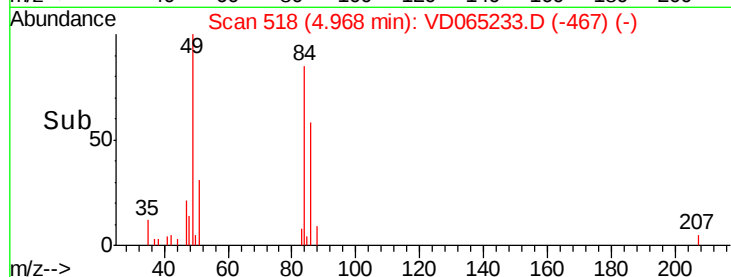
49 118.2 103.1 154.7

51 36.2 31.7 47.5

86 69.0 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



#25

2-Butanone

Concen: 2.451 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065233.D

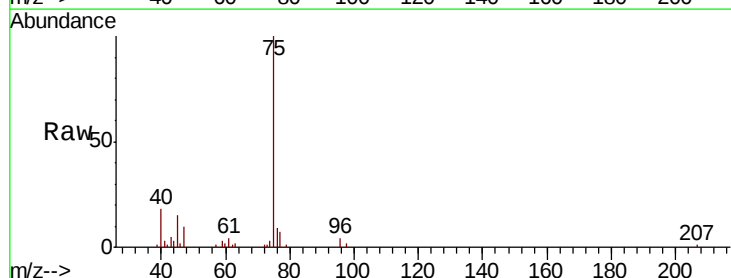
Acq: 19 Feb 2020 12:25

Tgt Ion: 43 Resp: 3842

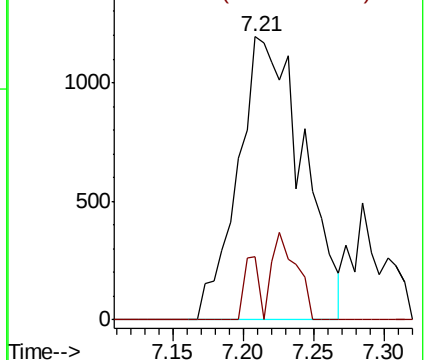
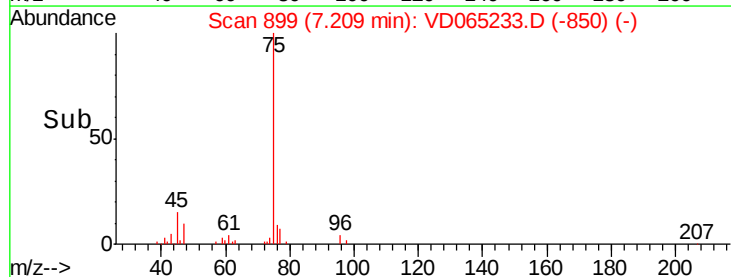
Ion Ratio Lower Upper

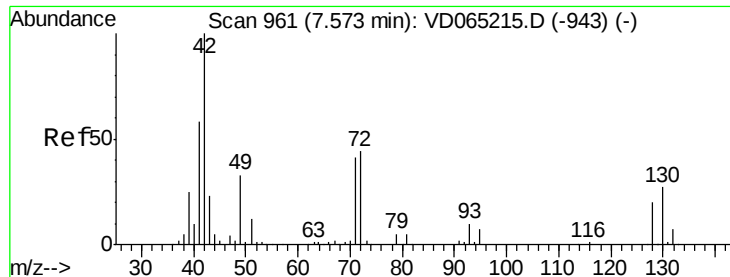
43 100

72 22.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

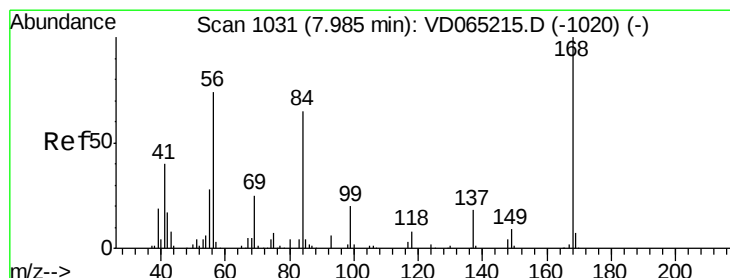
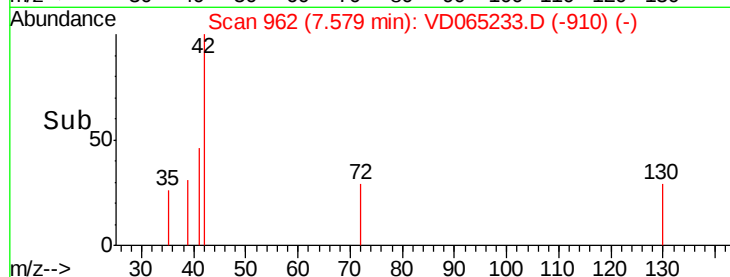
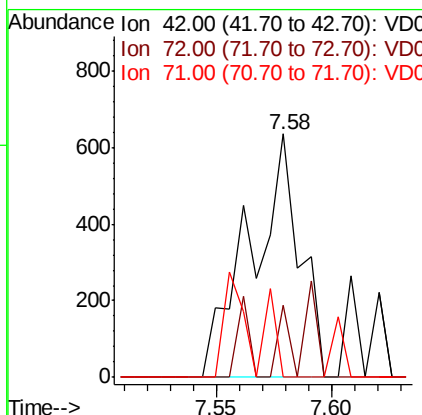
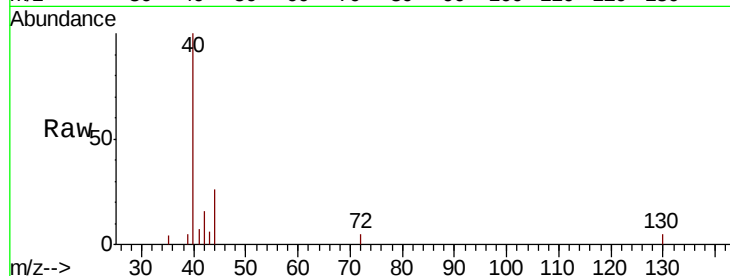




#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065233.D
Acq: 19 Feb 2020 12:25

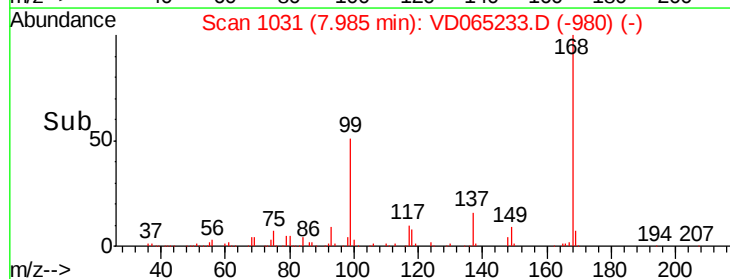
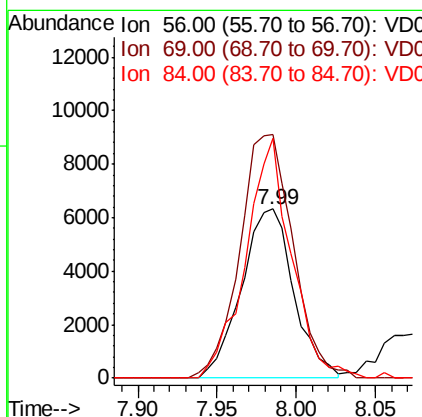
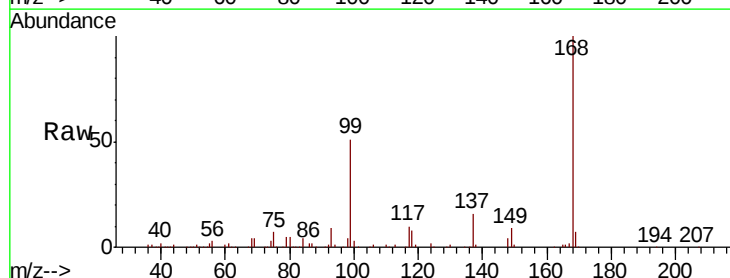
Instrument :
MSVOA_D
ClientSampled :

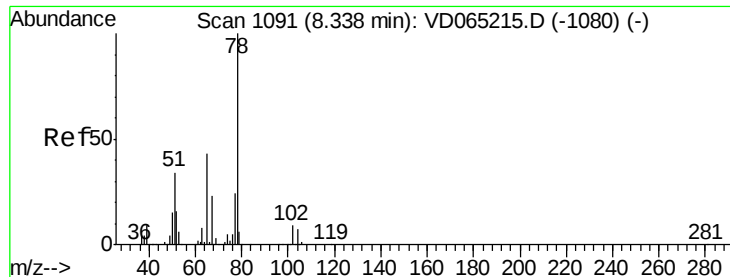
Tot Ion: 42 Resp: 944
Ion Ratio Lower Upper
42 100
72 7.0 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065233.D
Acq: 19 Feb 2020 12:25

Tgt Ion: 56 Resp: 14529
Ion Ratio Lower Upper
56 100
69 143.9 27.4 41.0#
84 141.8 71.1 106.7#

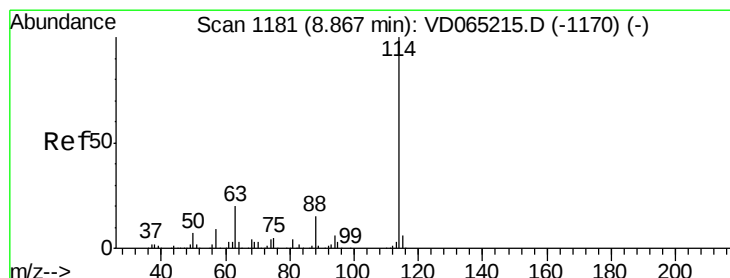
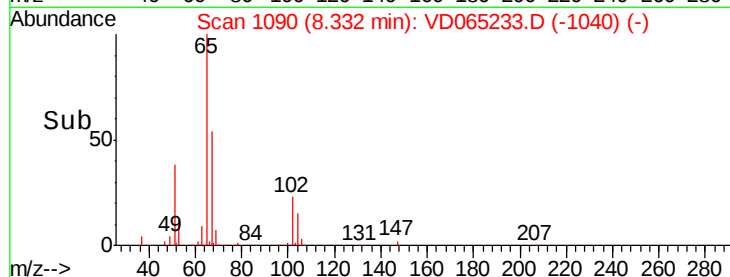
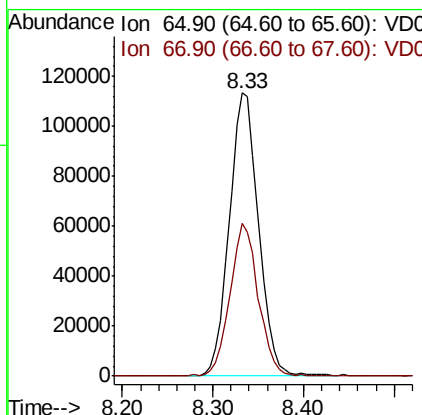
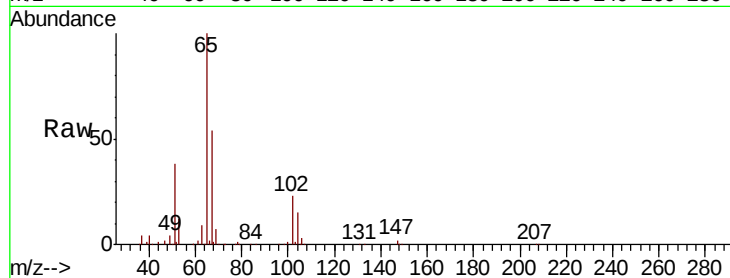




#33
 1,2-Dichloroethane-d4
 Concen: 50.228 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065233.D
 Acq: 19 Feb 2020 12:25

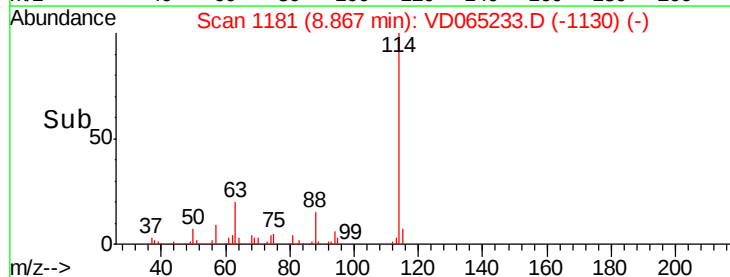
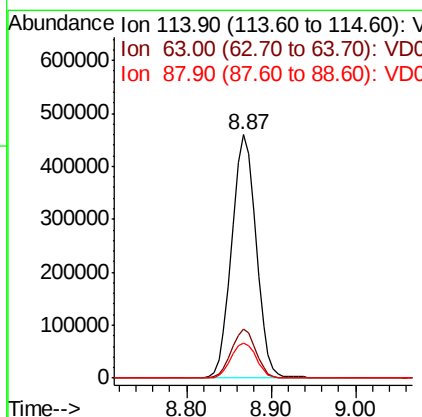
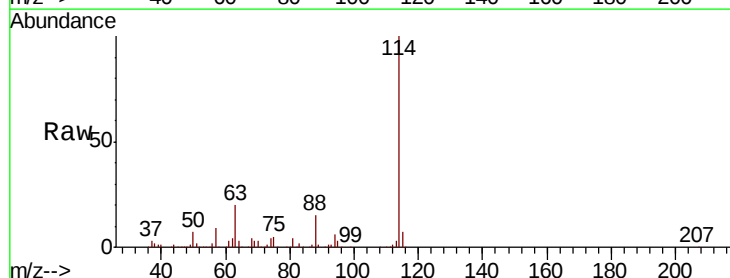
Instrument :
 MSVOA_D
 ClientSampleId :

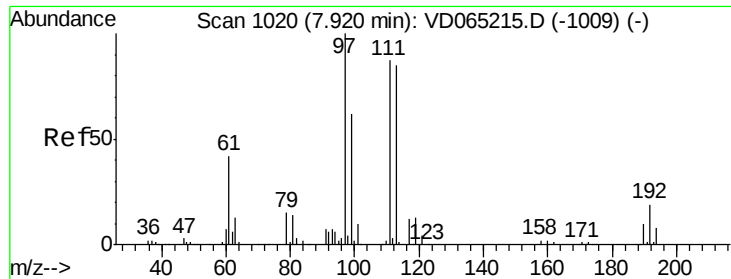
Tot Ion: 65 Resp: 254567
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065233.D
 Acq: 19 Feb 2020 12:25

Tgt Ion: 114 Resp: 913725
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 14.6 0.0 30.4

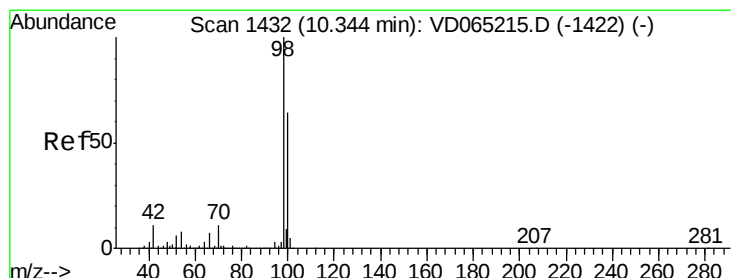
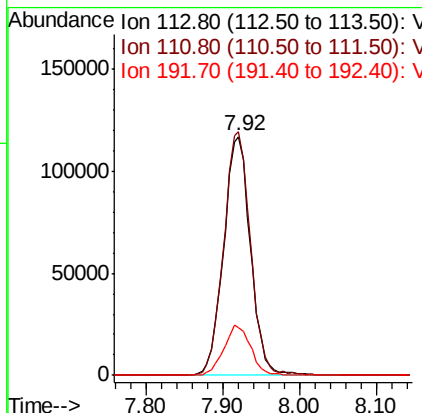
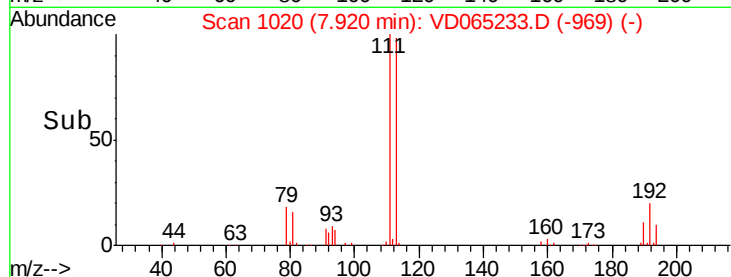
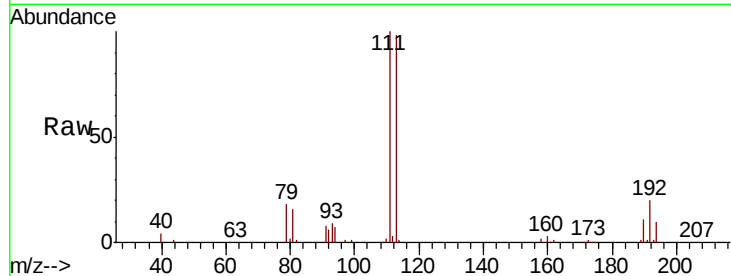




#35
 Dibromofluoromethane
 Concen: 50.963 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065233.D
 Acq: 19 Feb 2020 12:25

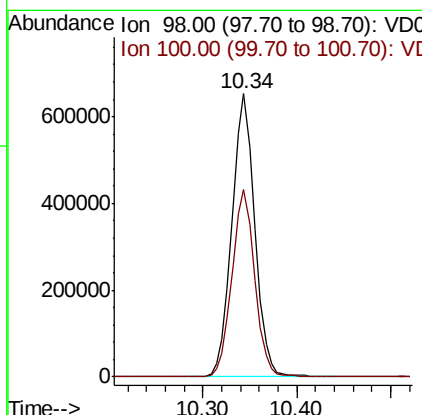
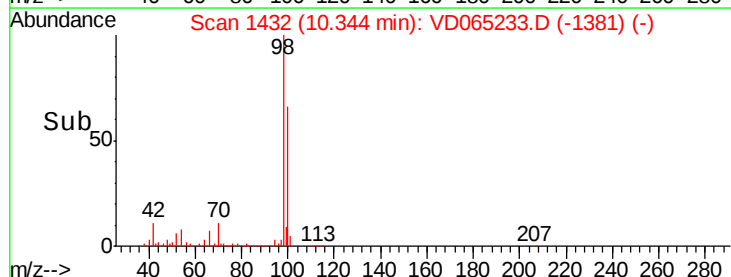
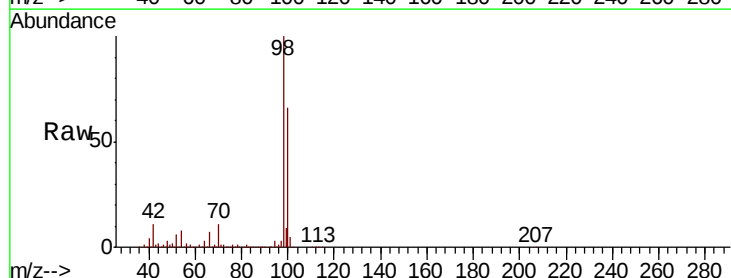
Instrument :
 MSVOA_D
 ClientSampleId :

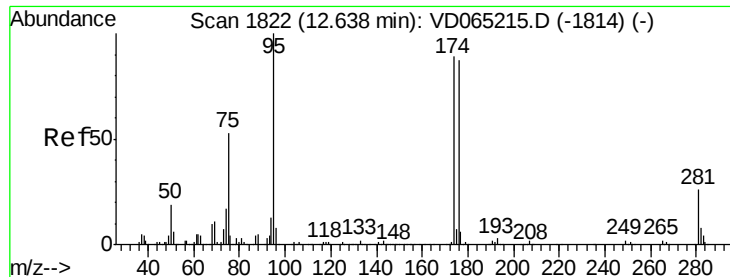
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	20.8	17.3	25.9



#50
 Toluene-d8
 Concen: 51.909 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065233.D
 Acq: 19 Feb 2020 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





#62

4-Bromofluorobenzene

Concen: 55.474 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :

MSVOA_D

ClientSampleId :

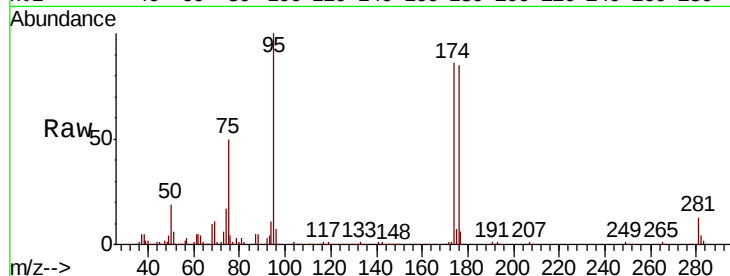
Tot Ion: 95 Resp: 374296

Ion Ratio Lower Upper

95 100

174 86.8 0.0 178.0

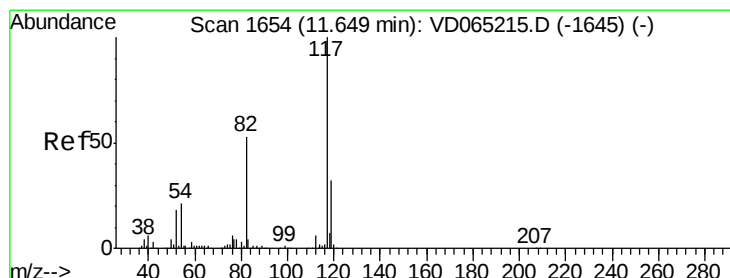
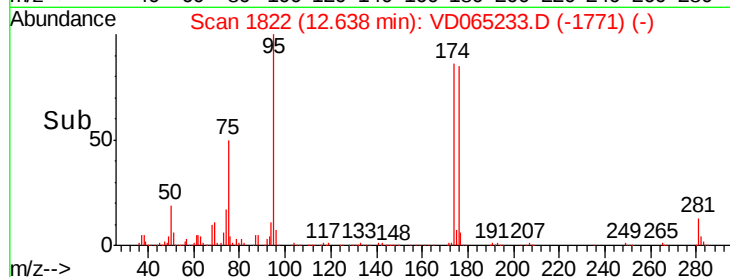
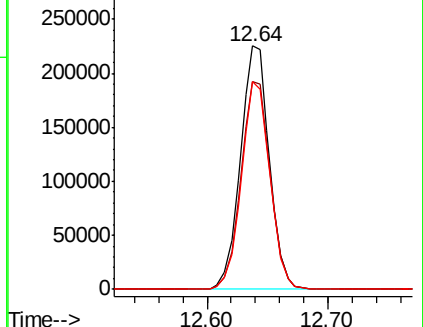
176 84.3 0.0 174.4



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. 0.00 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

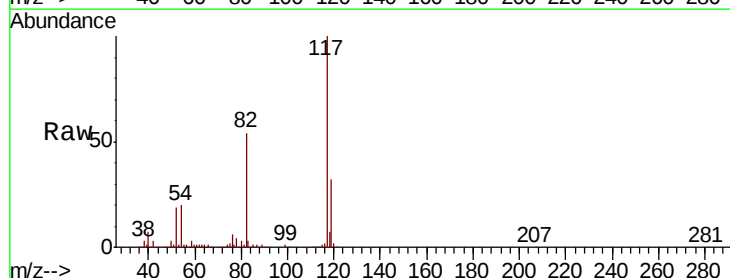
Tgt Ion: 117 Resp: 887452

Ion Ratio Lower Upper

117 100

82 53.7 42.7 64.1

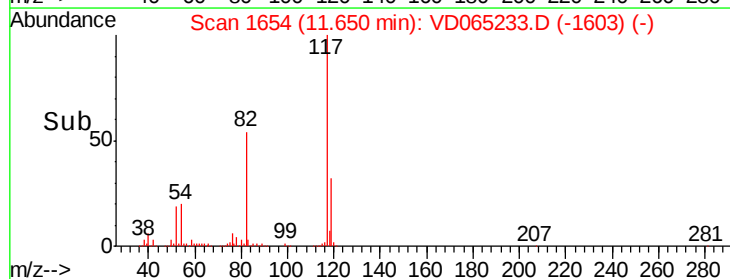
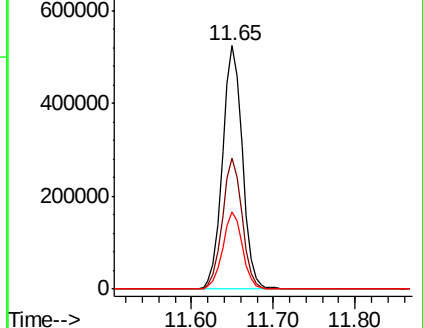
119 31.7 25.5 38.3

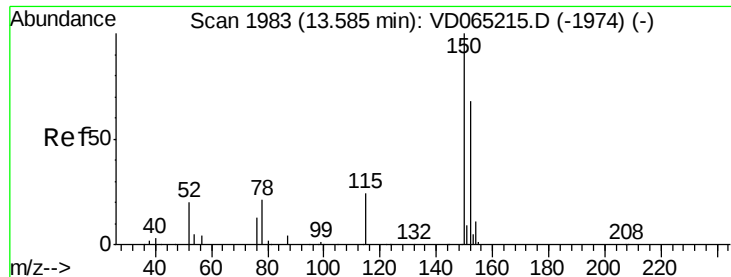


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :

MSVOA_D

ClientSampleId :

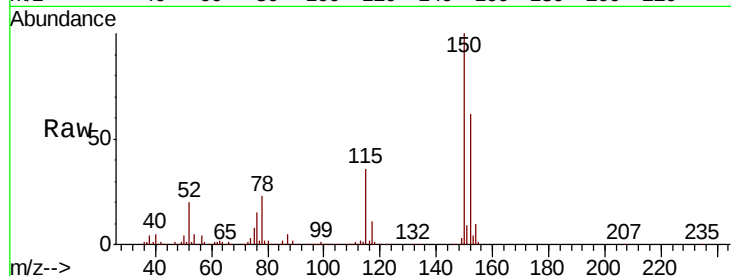
Tot Ion:152 Resp: 412914

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

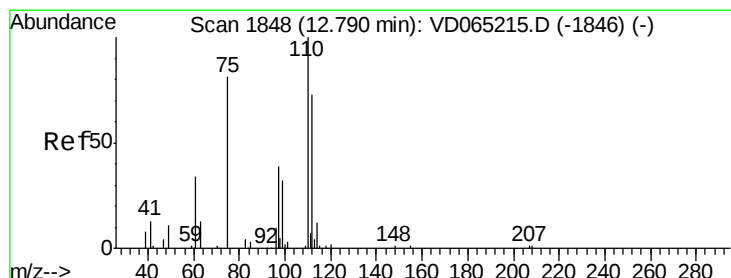
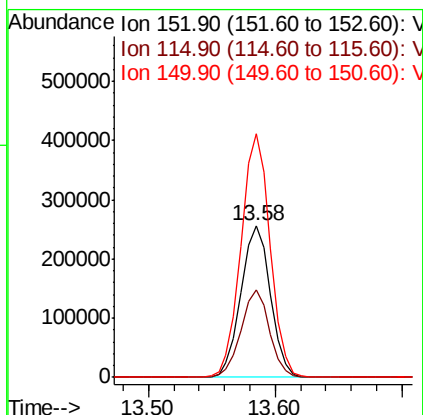
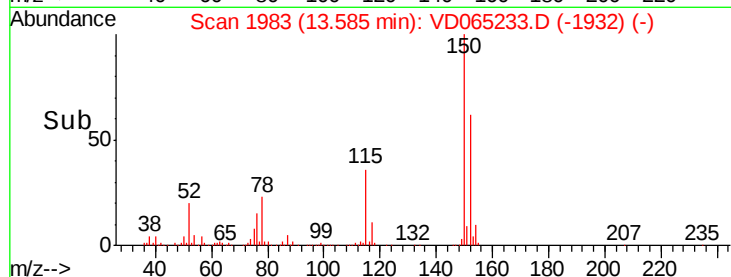
150 158.6 0.0 347.4



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: 52.219 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065233.D

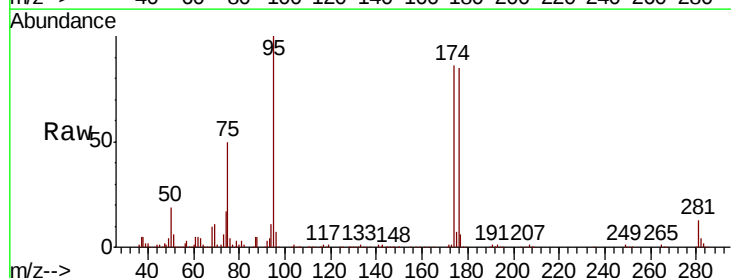
Acq: 19 Feb 2020 12:25

Tgt Ion: 75 Resp: 183456

Ion Ratio Lower Upper

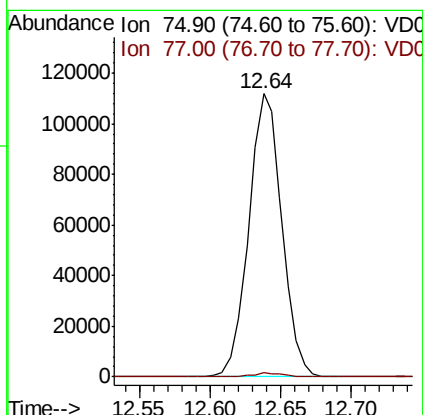
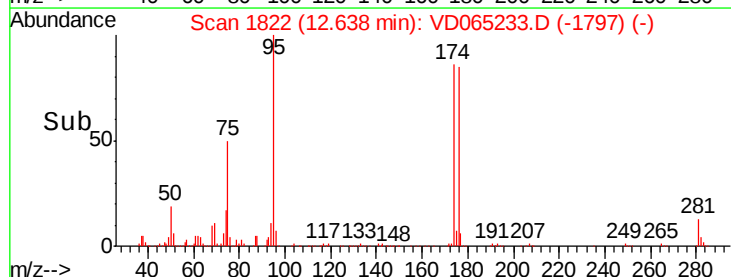
75 100

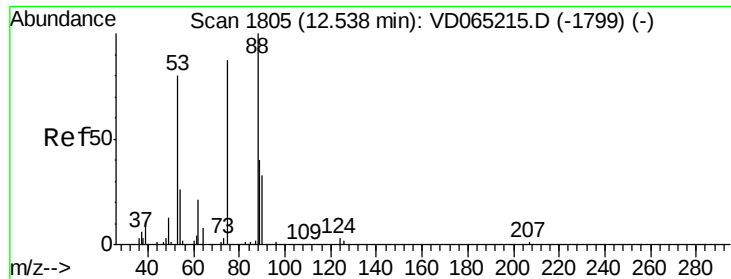
77 1.3 0.0 0.0#



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: 112.750 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065233.D

Acq: 19 Feb 2020 12:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 183456

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.1 37.2 55.8#

