

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065131.D
 Acq On : 10 Feb 2020 14:22
 Operator : VA/SY
 Sample : L1470-08
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:06:43 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

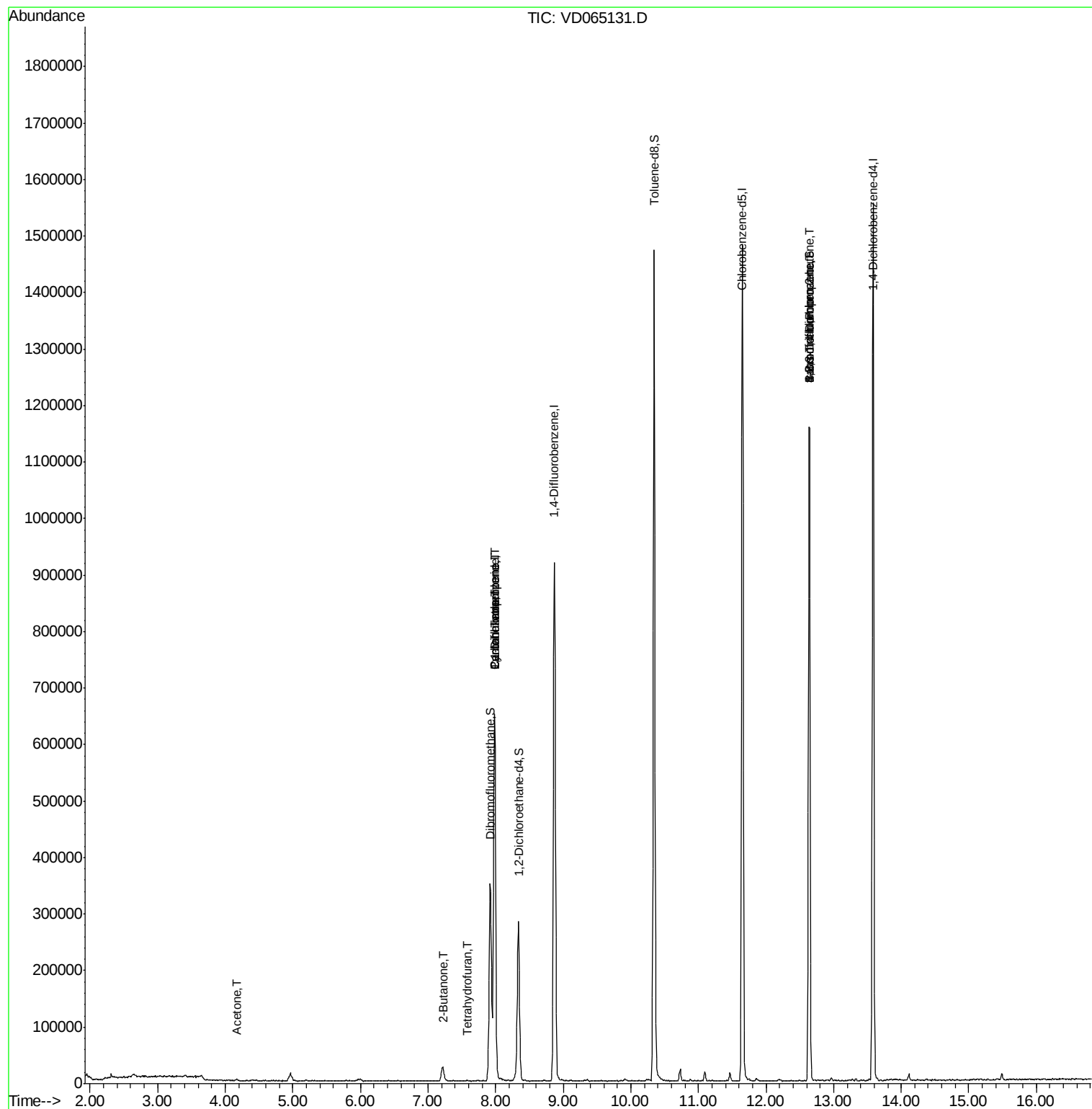
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	500813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	802764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	839216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	404491	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	229963	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.92	113	249018	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
50) Toluene-d8	10.34	98	981486	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
62) 4-Bromofluorobenzene	12.64	95	362522	64.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.36%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3698	3.475	ug/l	96
20) Methylene Chloride	4.96	84	8879	Below Cal	#	89
25) 2-Butanone	7.23	43	2716	2.140	ug/l #	77
29) Tetrahydrofuran	7.58	42	914	1.191	ug/l #	44
31) Cyclohexane	7.99	56	10971	1.296	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	37693	5.050	ug/l #	49
38) Carbon Tetrachloride	7.98	117	46890	6.151	ug/l #	15
71) Bromoform	12.64	173	3262	1.012	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	188951	61.700	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	188951	123.395	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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# 1031

Delta R.T. 0.00 min

Lab File: VD065131.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_D

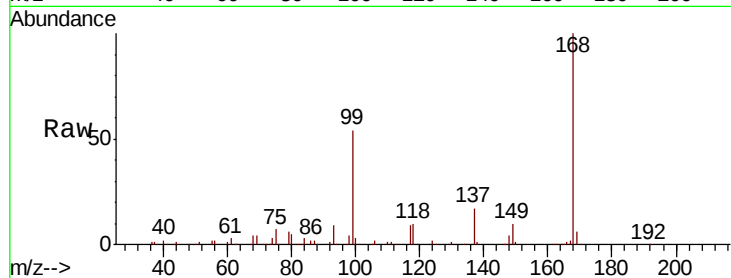
ClientSampleId :

Tot Ion:168 Resp: 500813

Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

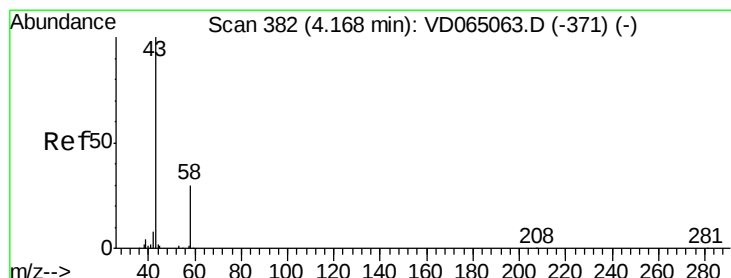
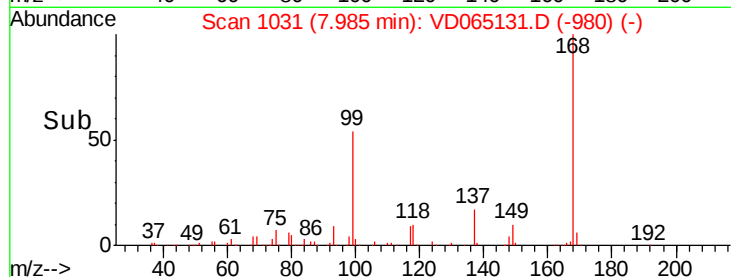
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.475 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065131.D

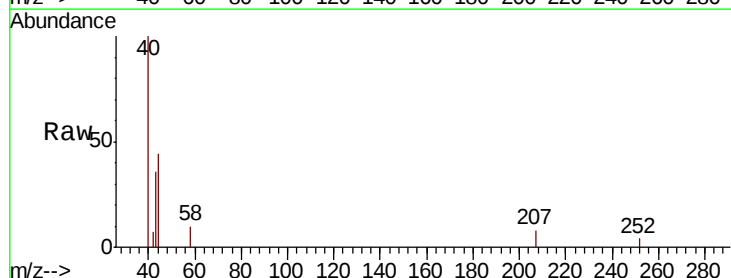
Acq: 10 Feb 2020 14:22

Tgt Ion: 43 Resp: 3698

Ion Ratio Lower Upper

43 100

58 27.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

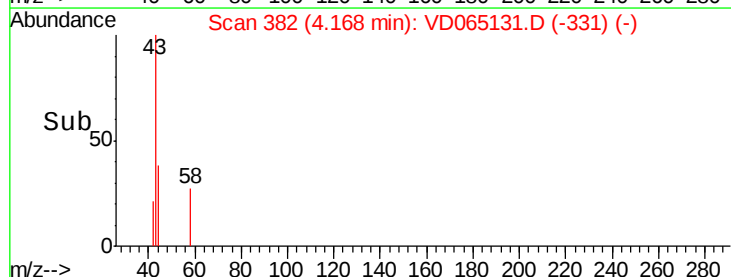
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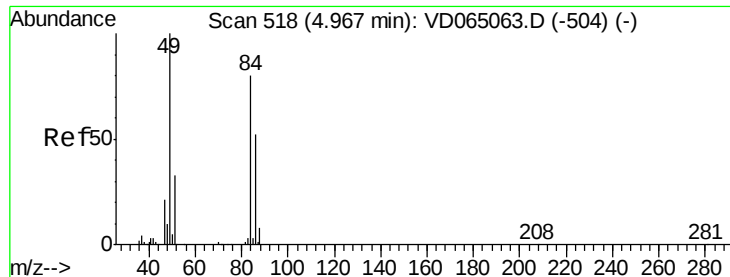
1000

500

0

Time-->

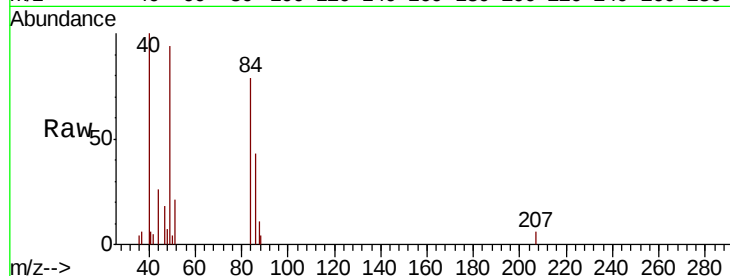




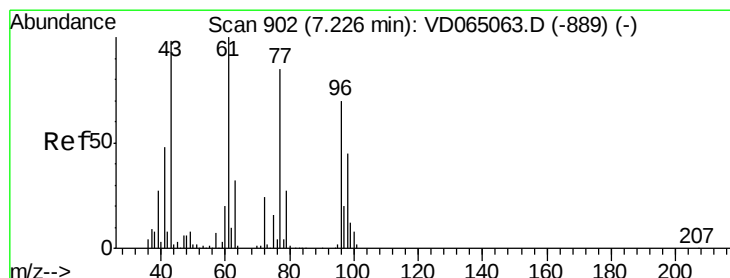
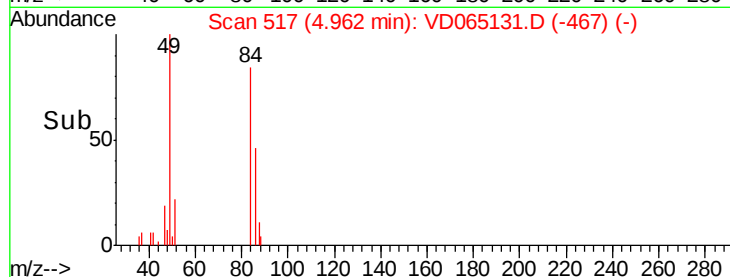
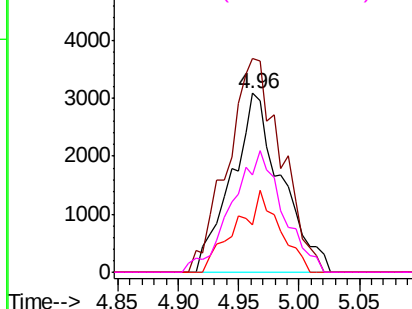
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 8879
Ion Ratio Lower Upper
84 100
49 119.6 100.4 150.6
51 26.5 32.7 49.1#
86 54.6 52.4 78.6

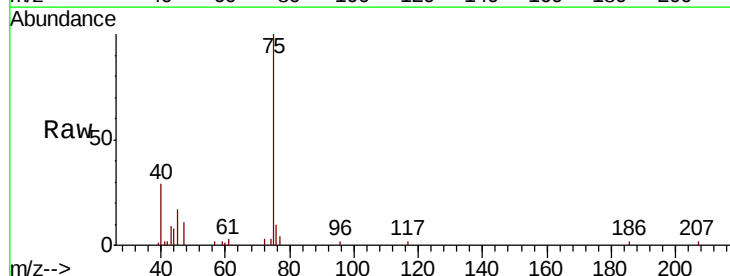


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

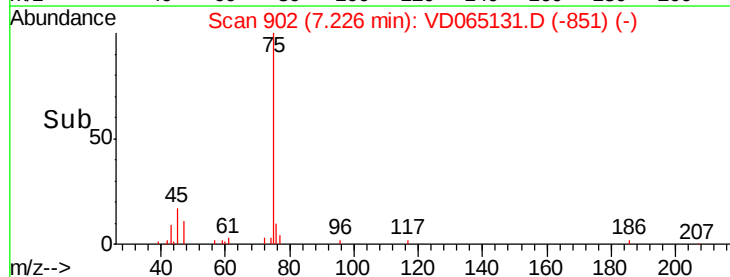
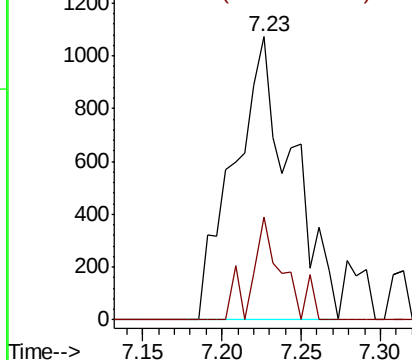


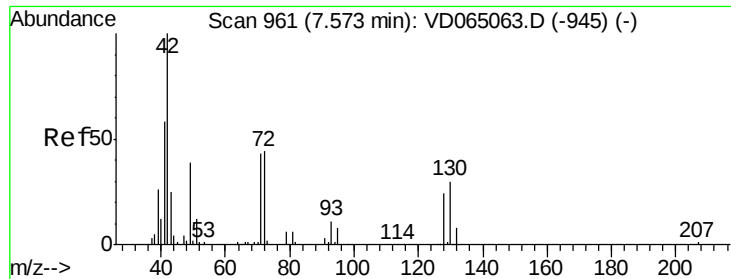
#25
2-Butanone
Concen: 2.140 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
72 36.3 19.9 29.9#



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

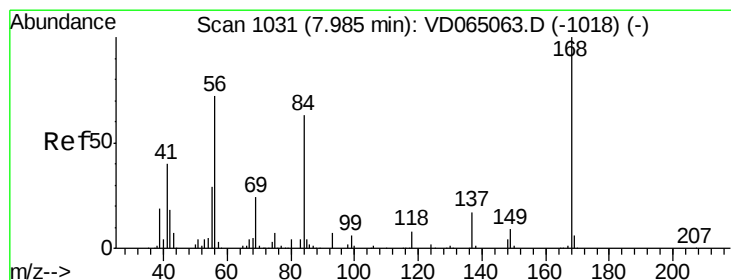
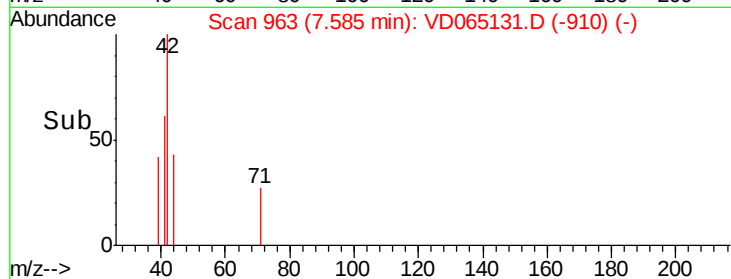
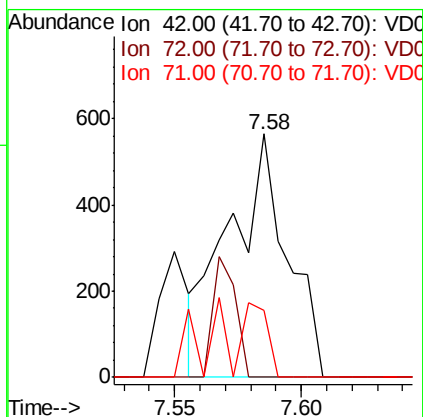
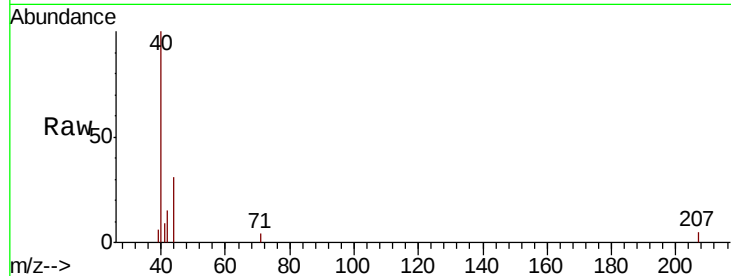




#29
Tetrahydrofuran
Concen: 1.191 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

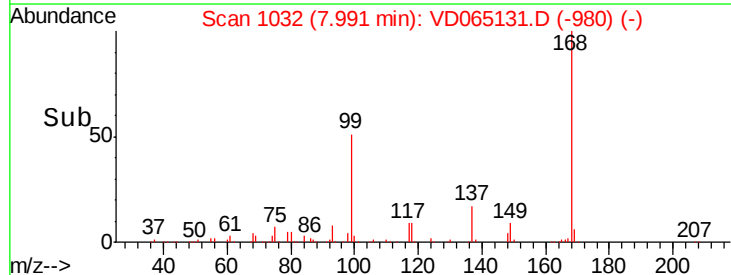
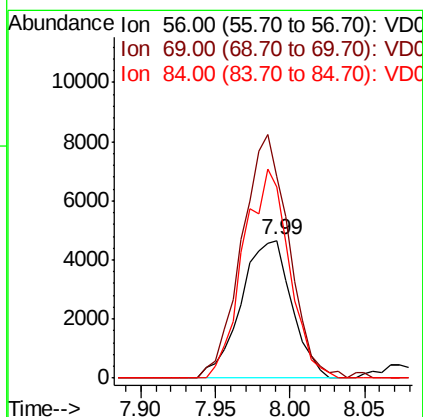
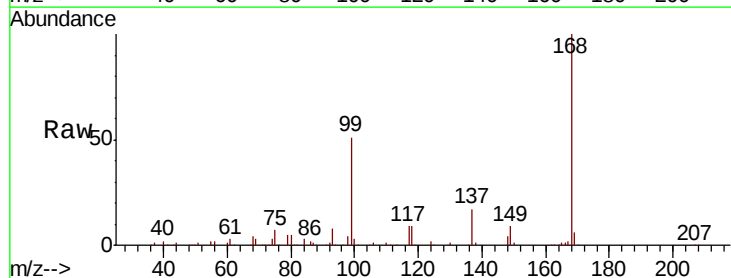
Instrument :
MSVOA_D
ClientSampleId :

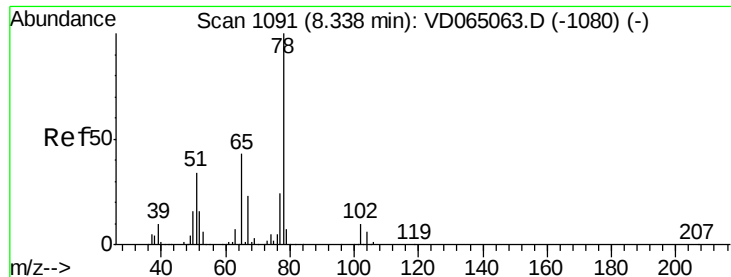
Tot Ion: 42 Resp: 914
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 12.7 31.8 47.6#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 56 Resp: 10971
Ion Ratio Lower Upper
56 100
69 145.9 26.6 40.0#
84 139.1 70.6 106.0#

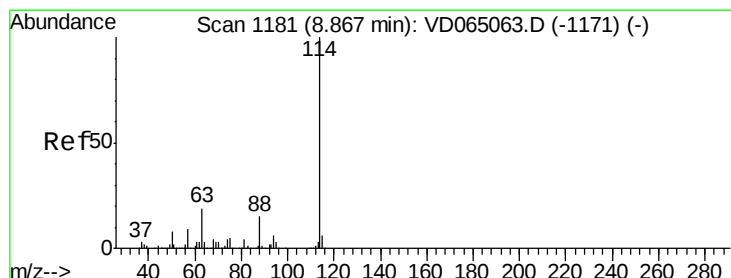
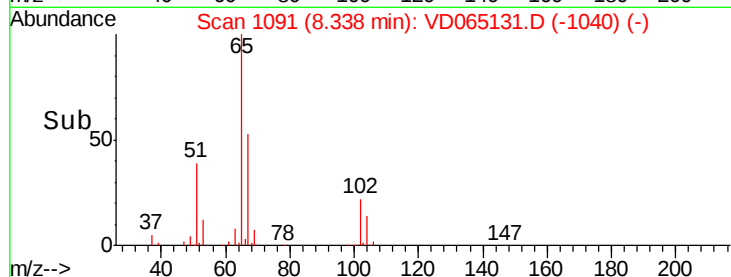
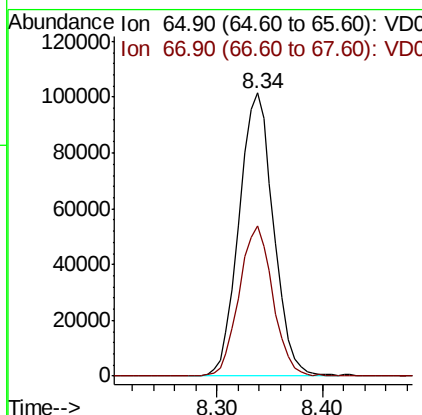
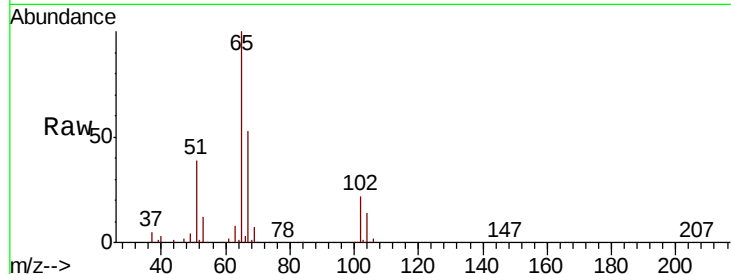




#33
 1,2-Dichloroethane-d4
 Concen: 54.027 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065131.D
 Acq: 10 Feb 2020 14:22

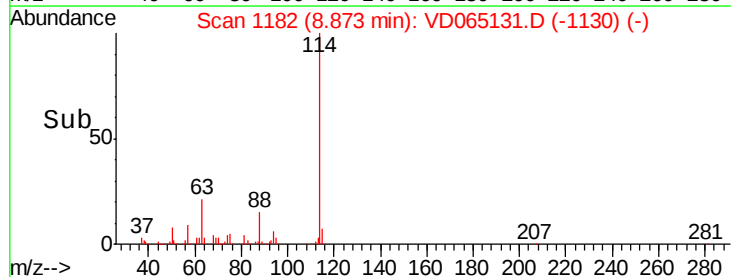
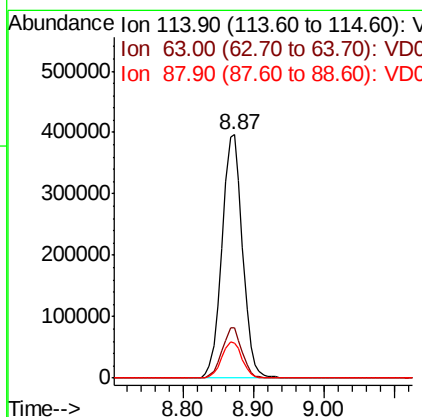
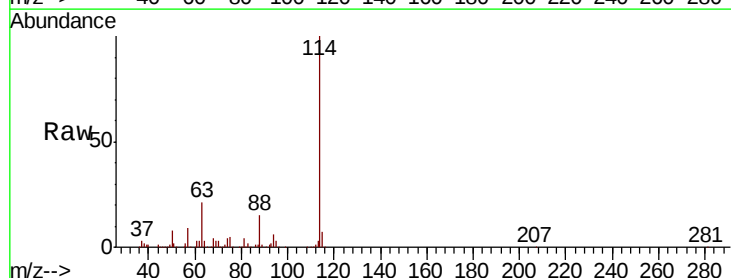
Instrument :
 MSVOA_D
 ClientSampled :

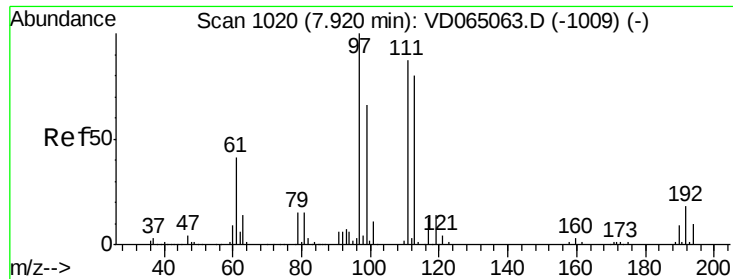
Tot Ion: 65 Resp: 229963
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065131.D
 Acq: 10 Feb 2020 14:22

Tgt Ion: 114 Resp: 802764
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 14.6 0.0 29.6

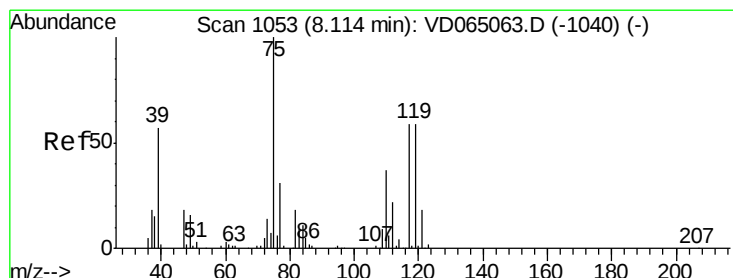
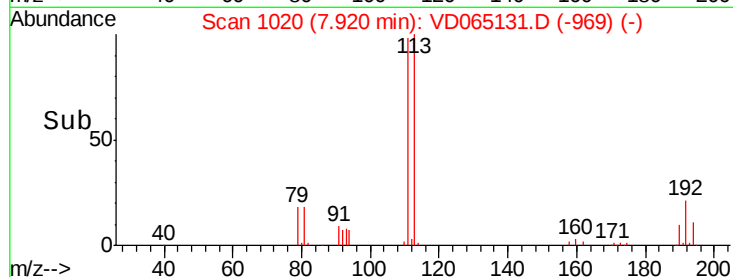
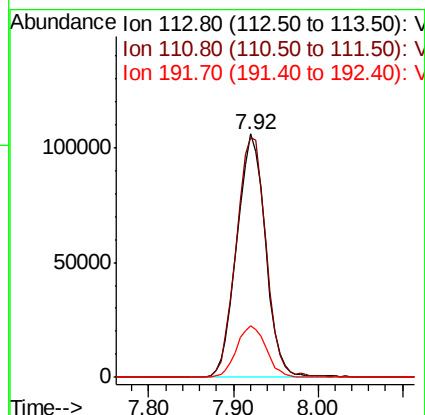
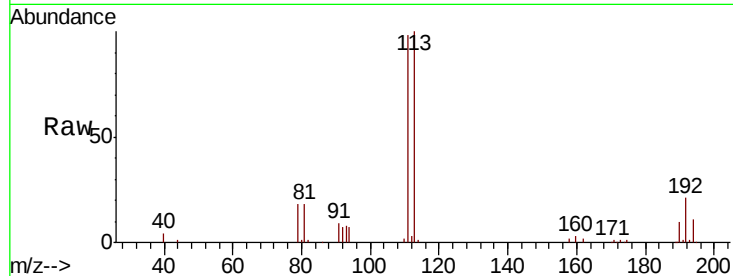




#35
 Dibromofluoromethane
 Concen: 55.598 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065131.D
 Acq: 10 Feb 2020 14:22

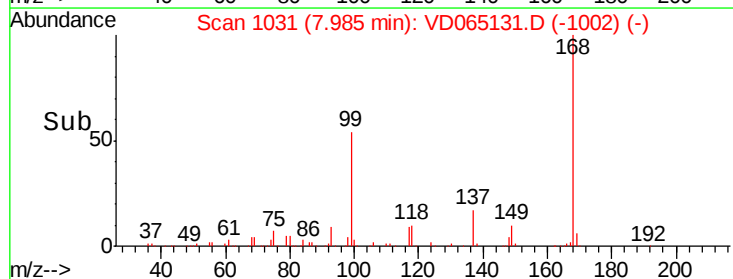
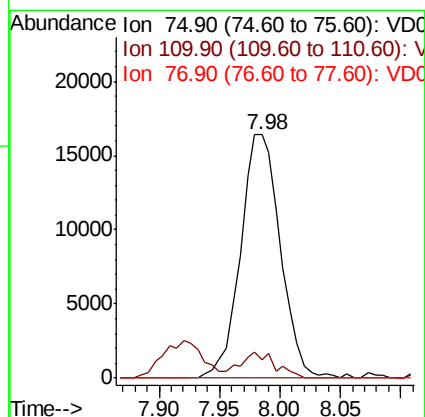
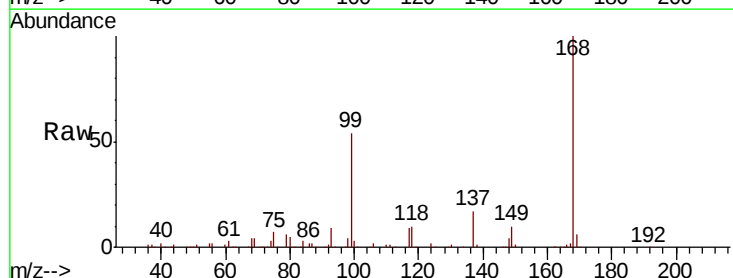
Instrument :
 MSVOA_D
 ClientSampled :

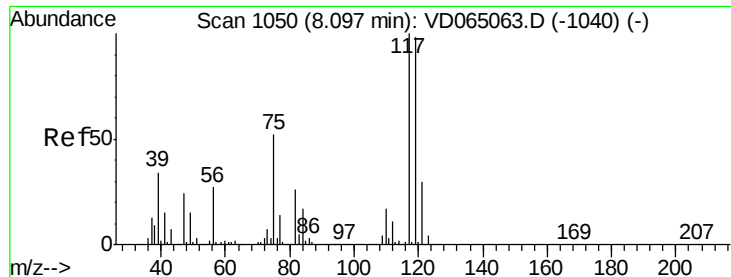
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	21.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065131.D
 Acq: 10 Feb 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065131.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

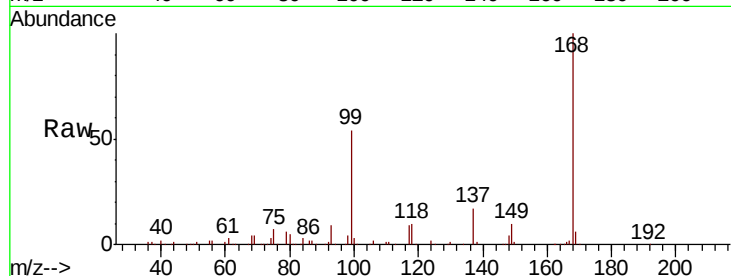
Tot Ion:117 Resp: 46890

Ion Ratio Lower Upper

117 100

119 5.2 78.5 117.7#

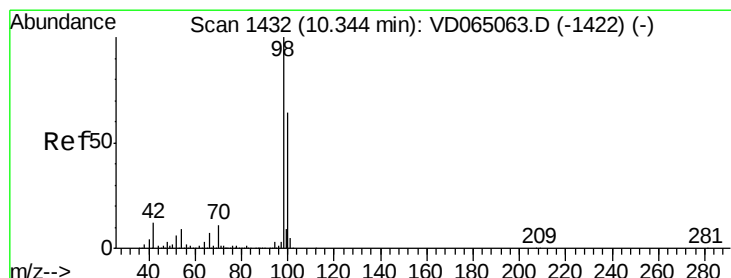
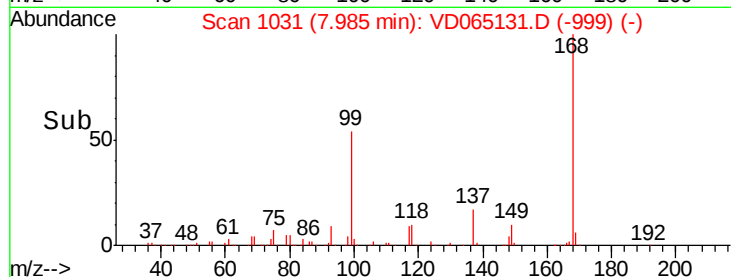
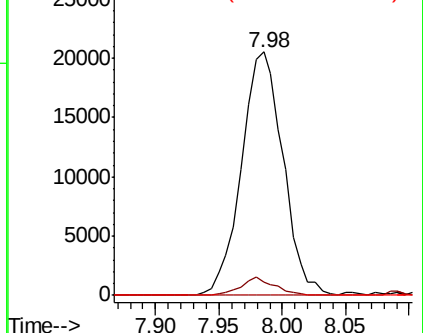
121 0.0 23.8 35.6#



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: 55.055 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065131.D

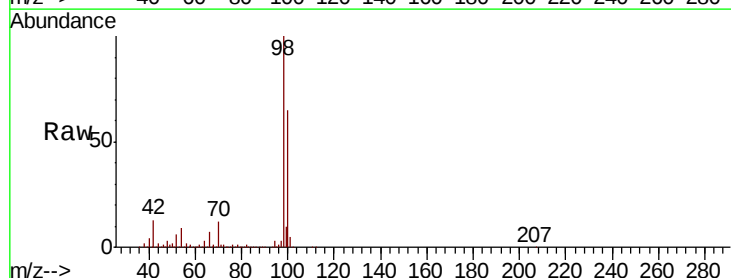
Acq: 10 Feb 2020 14:22

Tgt Ion: 98 Resp: 981486

Ion Ratio Lower Upper

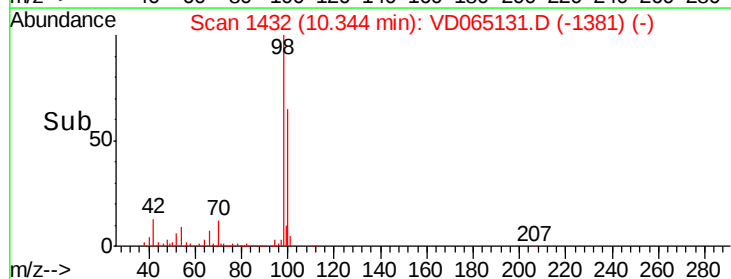
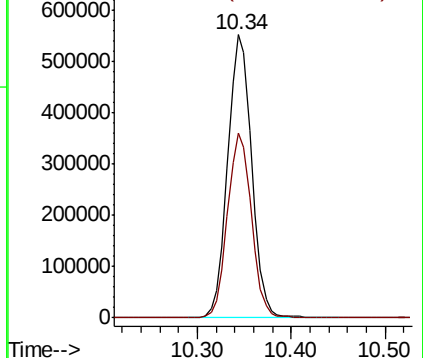
98 100

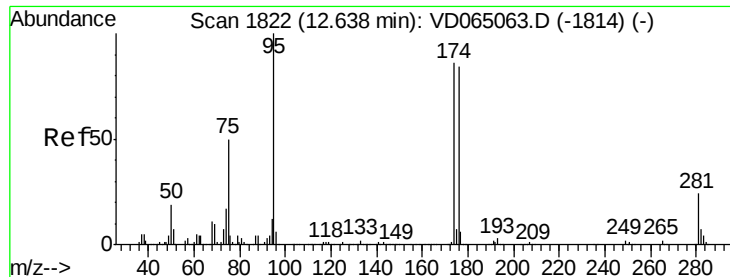
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 64.176 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065131.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

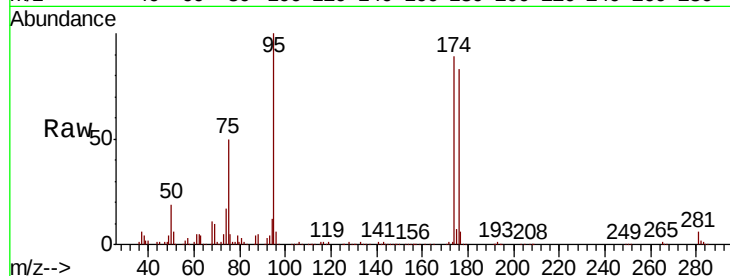
Tot Ion: 95 Resp: 362522

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

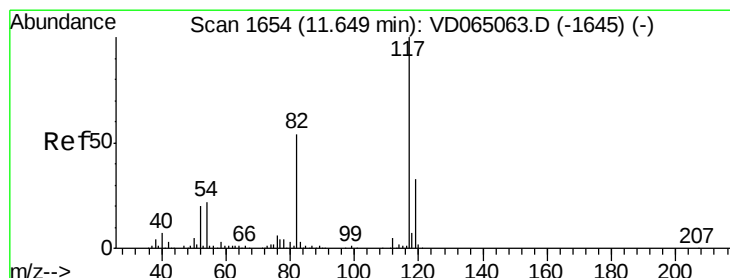
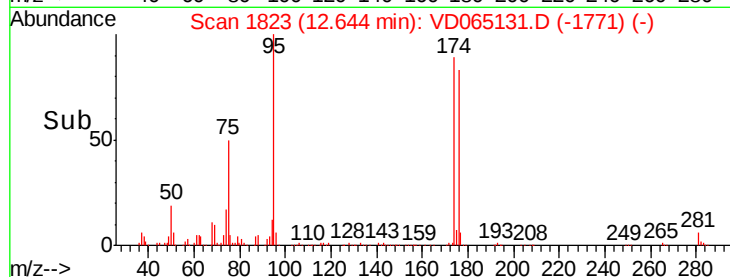
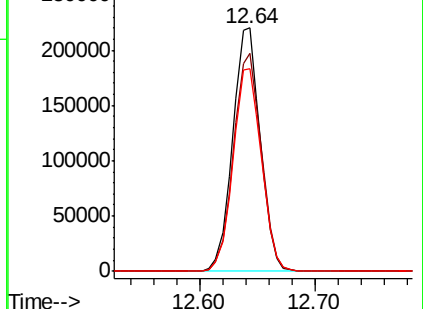
176 85.6 0.0 173.2



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: VD065131.D

Acq: 10 Feb 2020 14:22

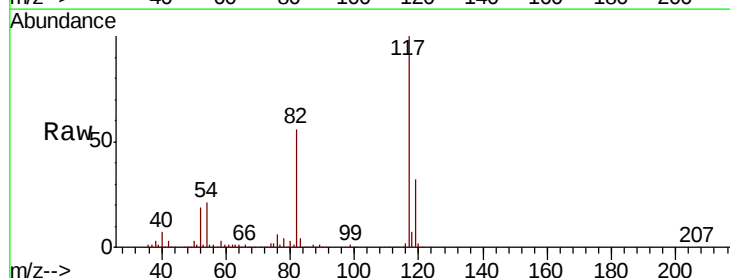
Tgt Ion: 117 Resp: 839216

Ion Ratio Lower Upper

117 100

82 55.7 43.1 64.7

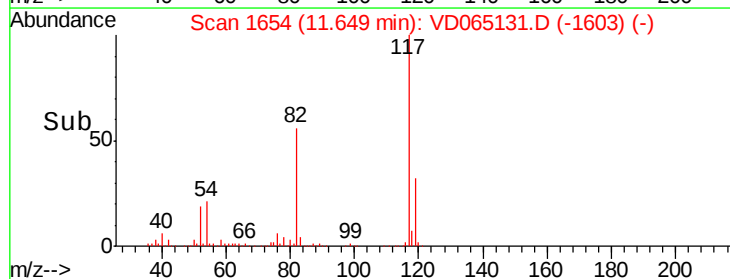
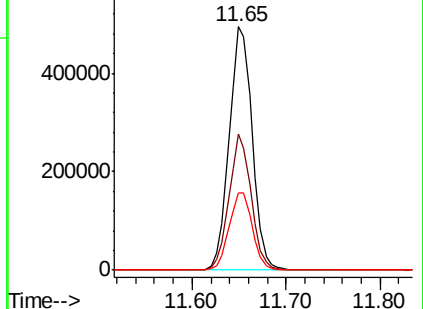
119 31.6 26.0 39.0

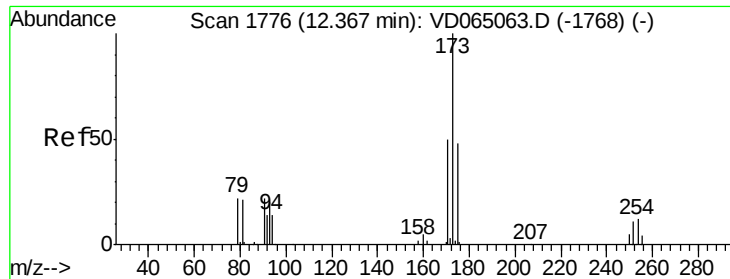


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

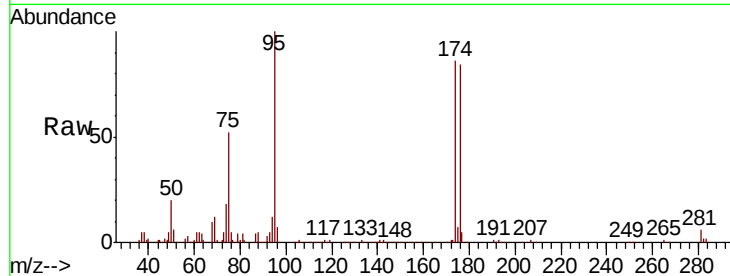




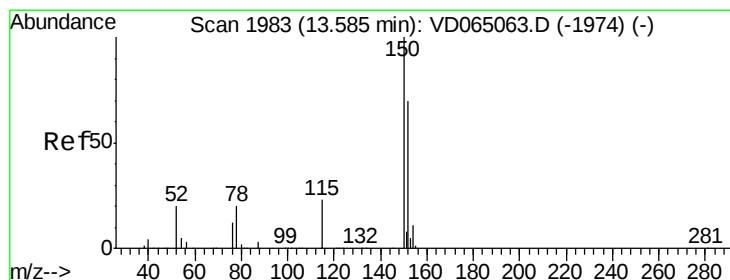
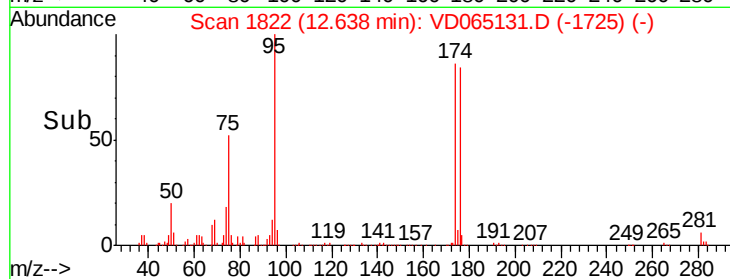
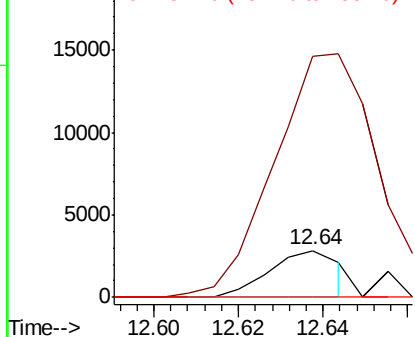
#71
Bromoform
Concen: 1.012 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 3262
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.1 0.1#

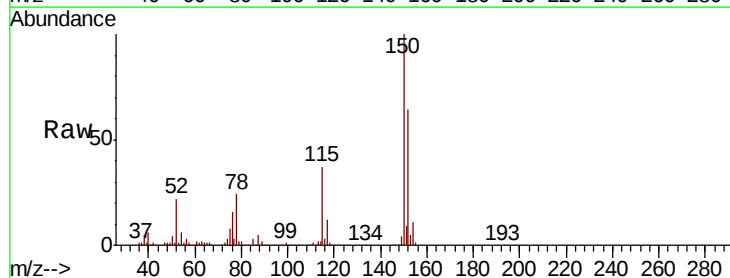


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

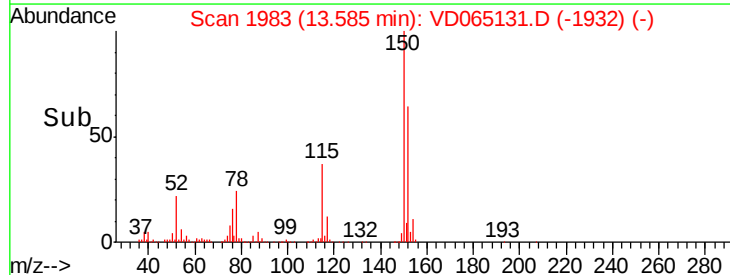
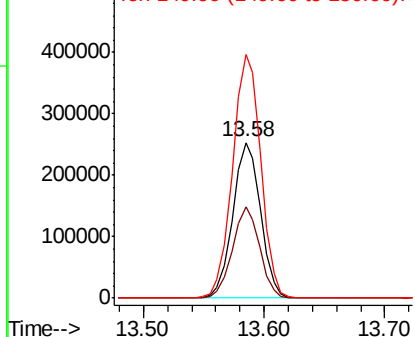


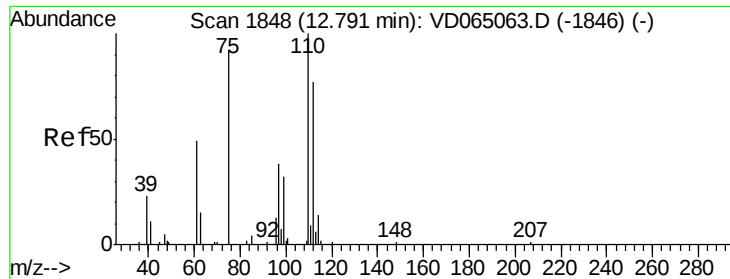
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065131.D
Acq: 10 Feb 2020 14:22

Tgt Ion:152 Resp: 404491
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.4
150 159.2 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: 61.700 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065131.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_D

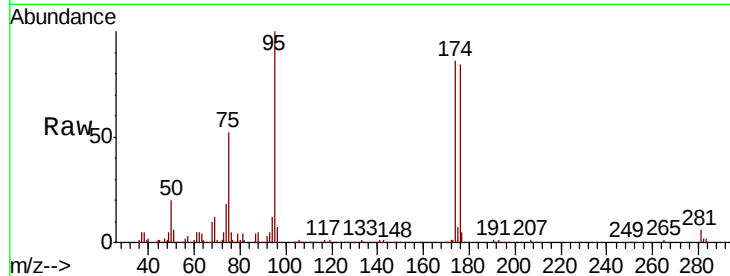
ClientSampleId :

Tot Ion: 75 Resp: 188951

Ion Ratio Lower Upper

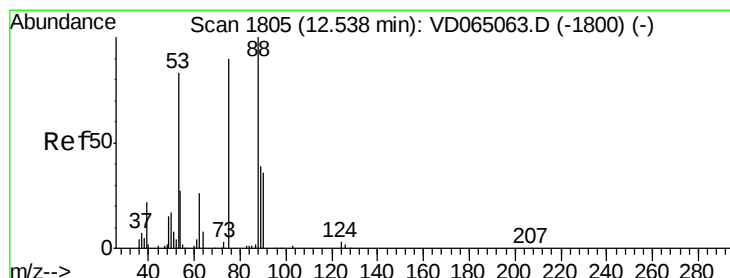
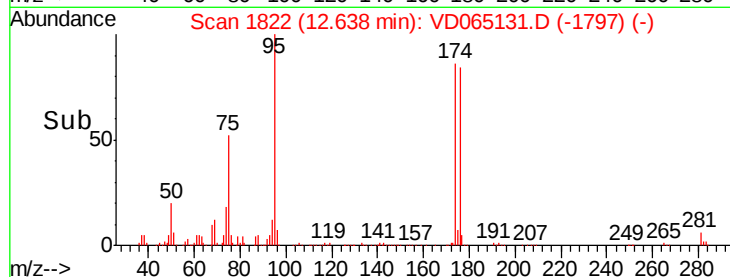
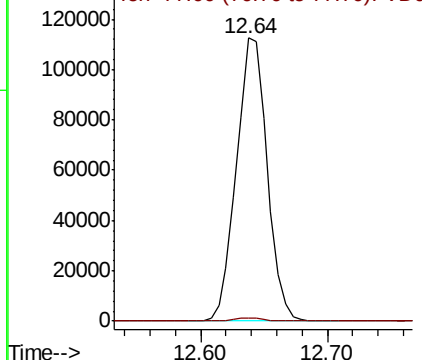
75 100

77 1.2 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: 123.395 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065131.D

Acq: 10 Feb 2020 14:22

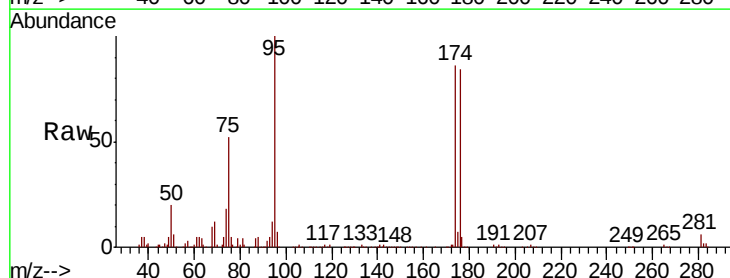
Tgt Ion: 75 Resp: 188951

Ion Ratio Lower Upper

75 100

53 0.0 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

