

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065148.D
 Acq On : 11 Feb 2020 17:06
 Operator : VA/SY
 Sample : L1491-03
 Misc : 5.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:58:26 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

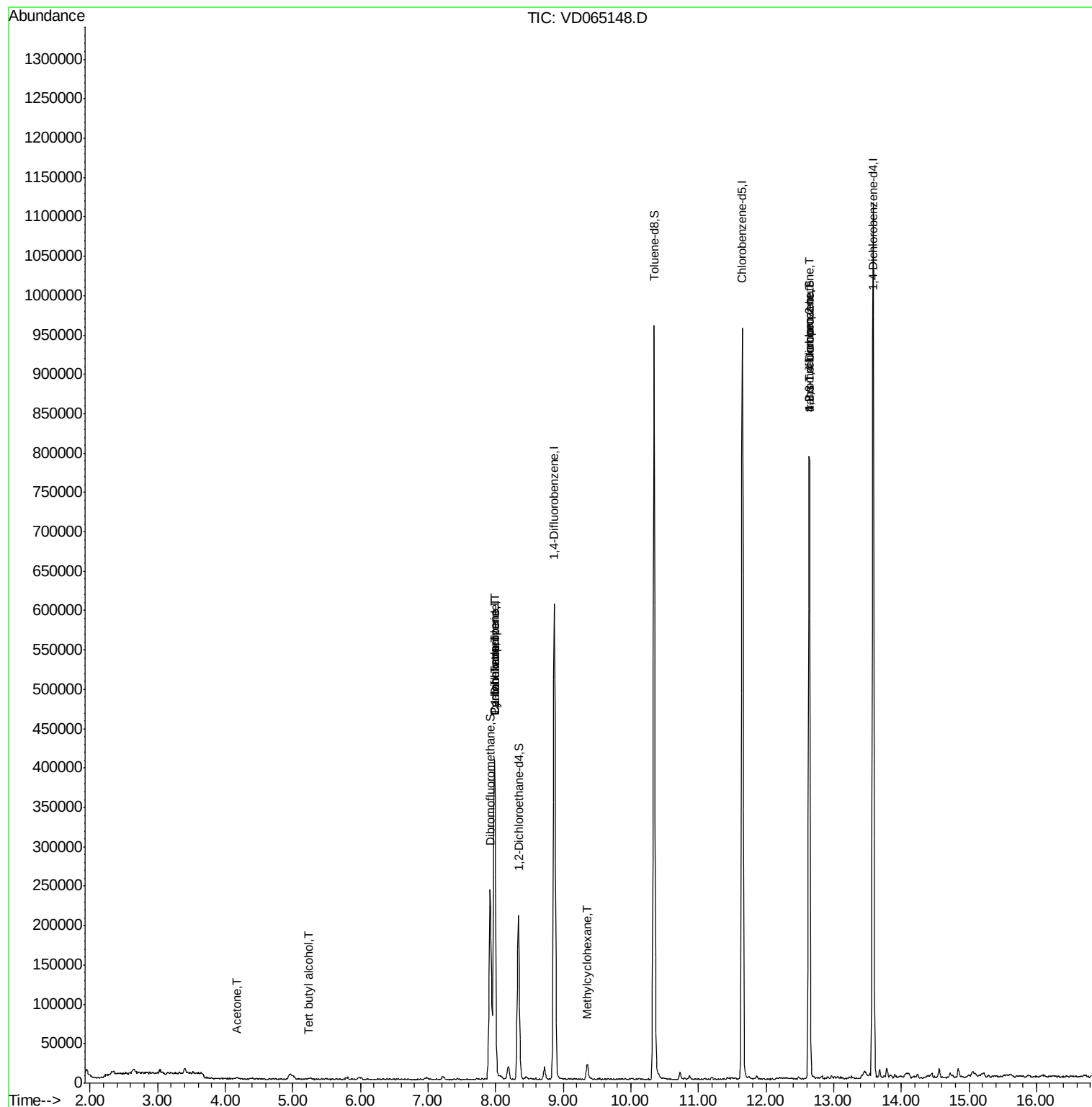
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	310833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	514576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	558647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294312	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	168781	63.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.78%	
35) Dibromofluoromethane	7.92	113	166950	58.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.30%	
50) Toluene-d8	10.34	98	637792	55.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.62%	
62) 4-Bromofluorobenzene	12.64	95	252633	69.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	1137	7.044	ug/l #	71
16) Acetone	4.17	43	3113	4.713	ug/l #	75
20) Methylene Chloride	4.96	84	4495	Below Cal	#	78
31) Cyclohexane	7.98	56	8799	1.674	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	22395	4.680	ug/l #	49
38) Carbon Tetrachloride	7.98	117	30116	6.163	ug/l #	17
39) Methylcyclohexane	9.36	83	7626	1.291	ug/l #	83
76) 1,2,3-Trichloropropane	12.64	75	130073	58.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130073	116.744	ug/l #	10

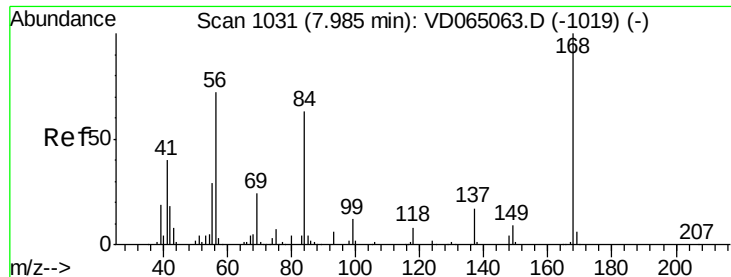
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

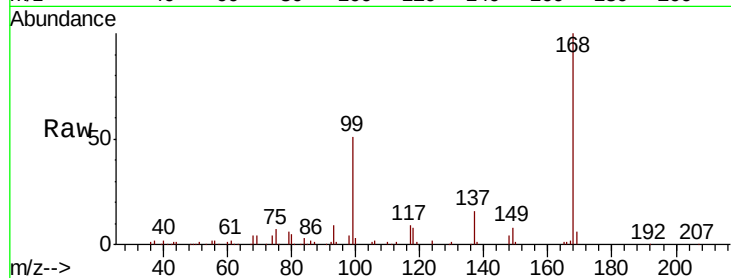
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 310833

Ion Ratio Lower Upper

168 100

99 50.5 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

150000

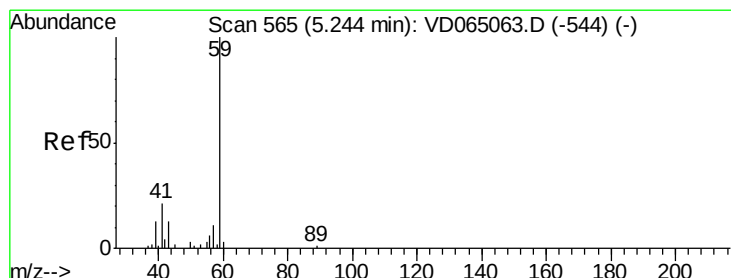
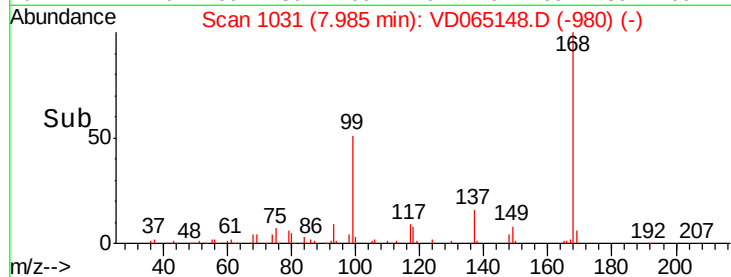
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 7.044 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065148.D

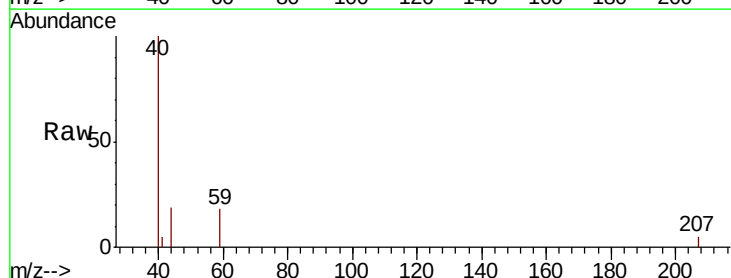
Acq: 11 Feb 2020 17:06

Tgt Ion: 59 Resp: 1137

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

5.24

800

600

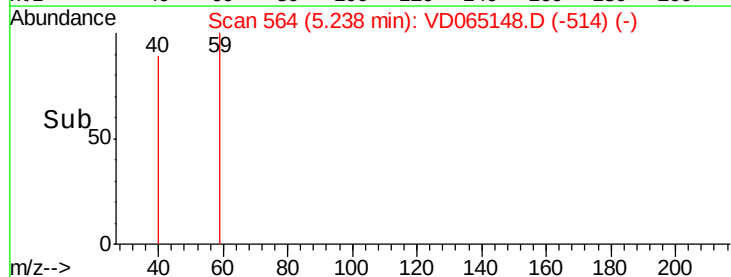
400

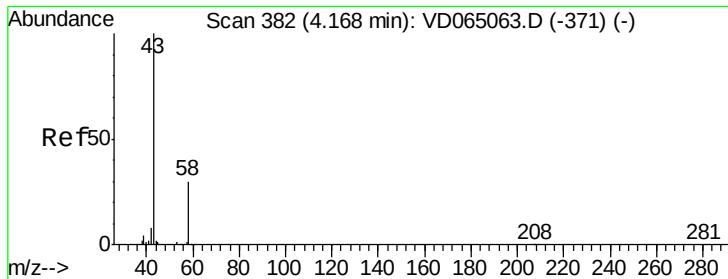
200

0

Time-->

5.20 5.22 5.24 5.26





#16

Acetone

Concen: 4.713 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_D

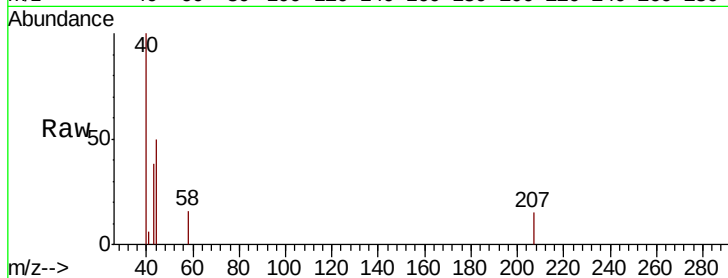
ClientSampleId :

Tot Ion: 43 Resp: 3113

Ion Ratio Lower Upper

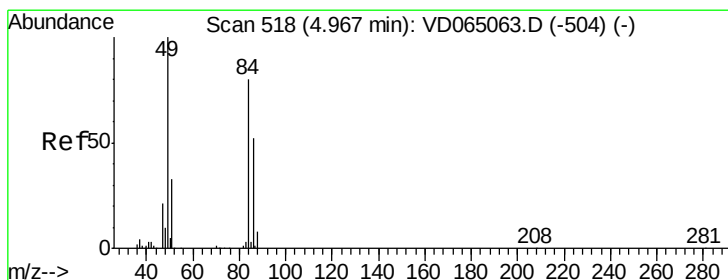
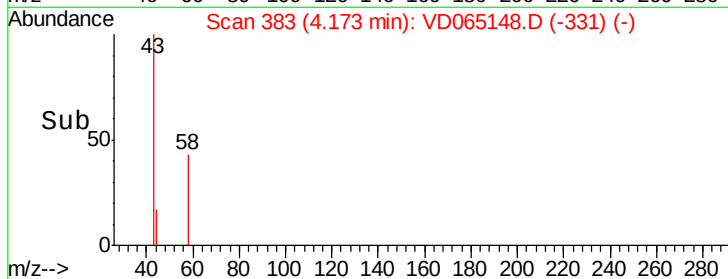
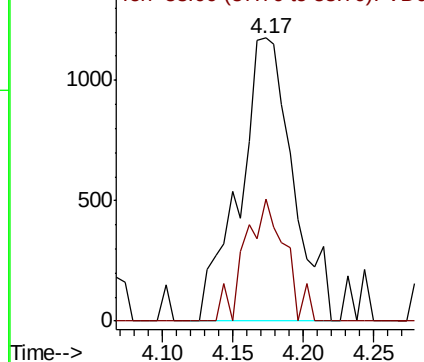
43 100

58 43.1 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: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

Tgt Ion: 84 Resp: 4495

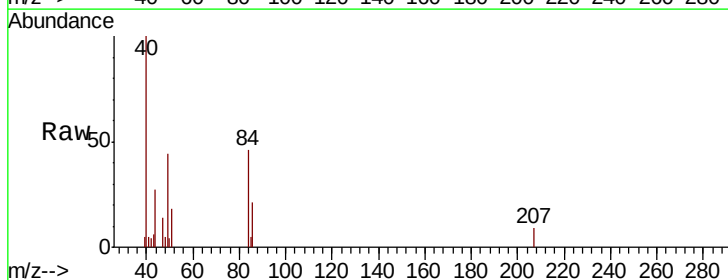
Ion Ratio Lower Upper

84 100

49 95.9 100.4 150.6#

51 39.4 32.7 49.1

86 45.4 52.4 78.6#

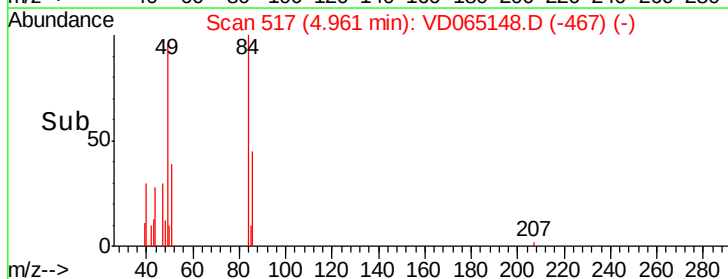
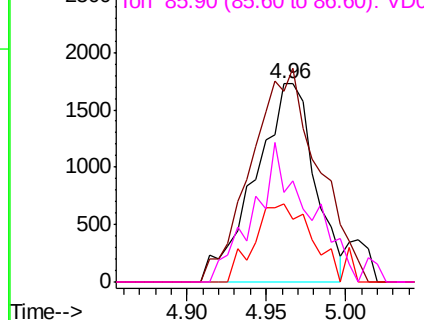


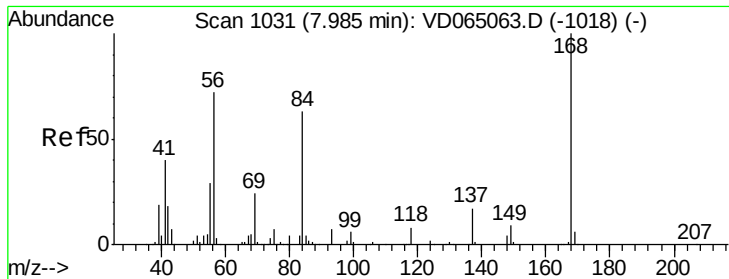
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

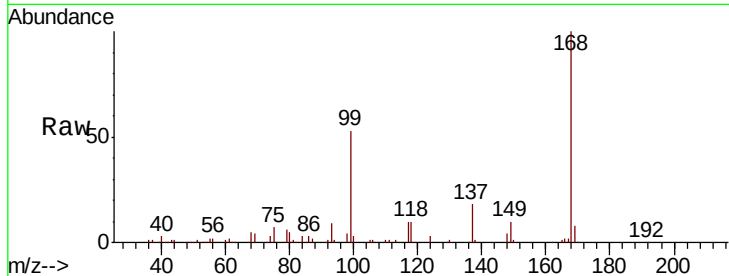




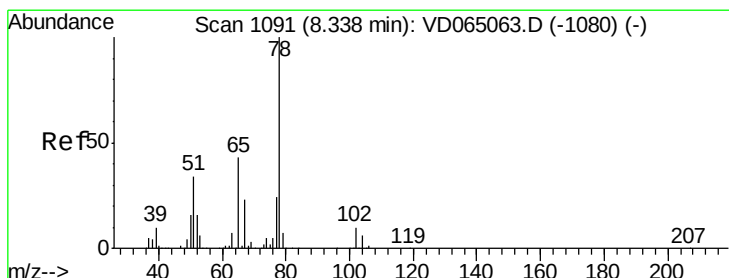
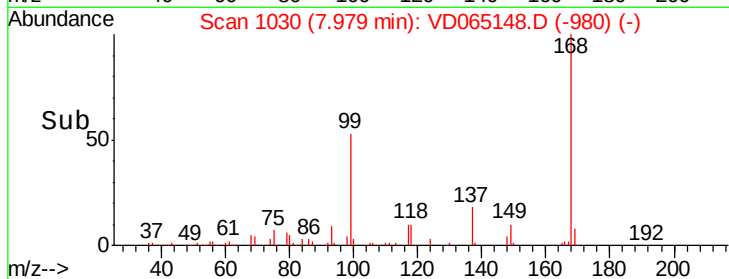
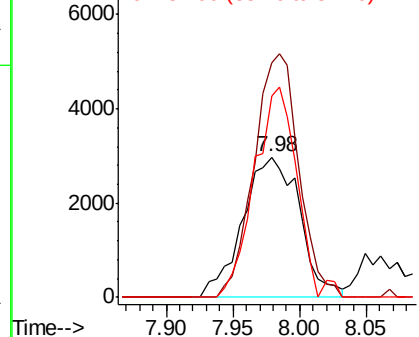
#31
Cyclohexane
Concen: 1.674 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8799
Ion Ratio Lower Upper
56 100
69 167.3 26.6 40.0#
84 143.1 70.6 106.0#

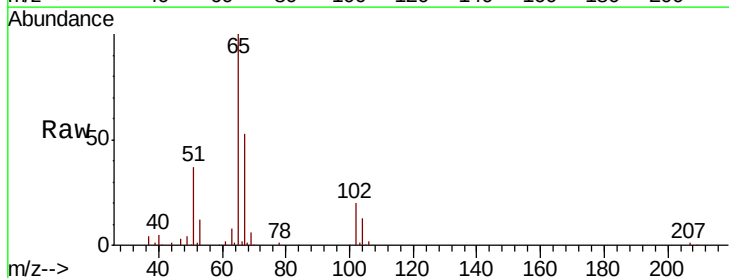


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

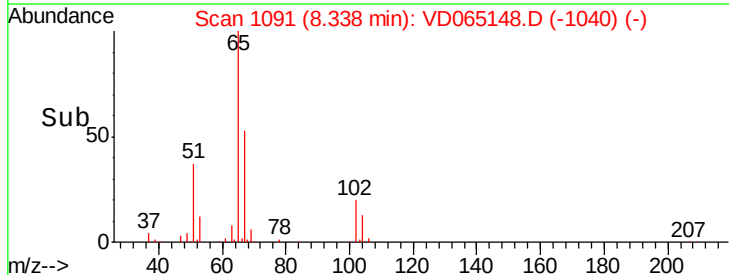
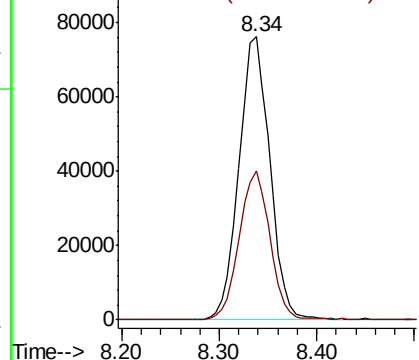


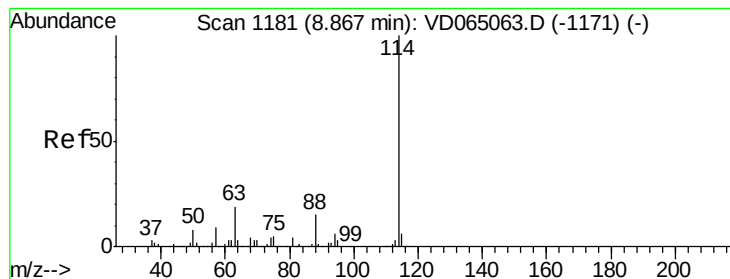
#33
1,2-Dichloroethane-d4
Concen: 63.888 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

Tgt Ion: 65 Resp: 168781
Ion Ratio Lower Upper
65 100
67 52.2 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# 1181

Delta R.T. -0.00 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

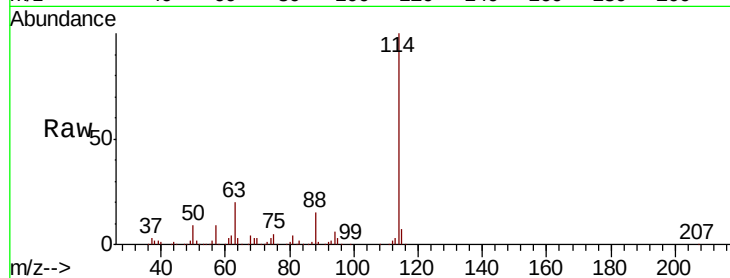
Tot Ion:114 Resp: 514576

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

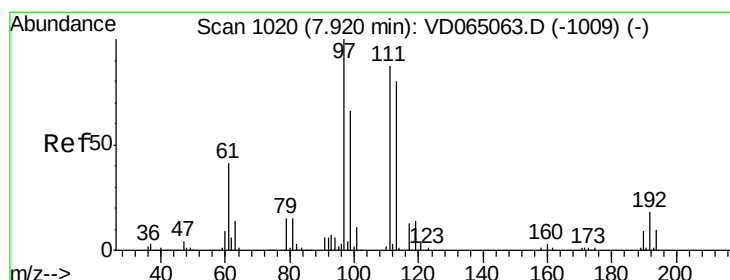
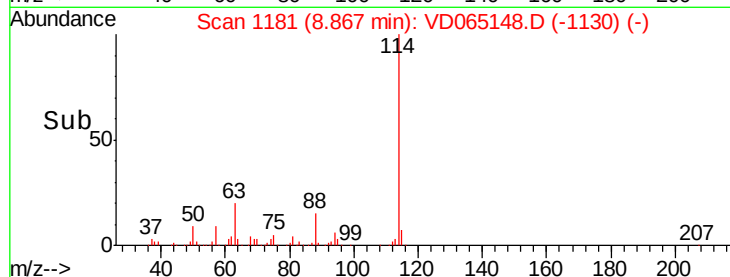
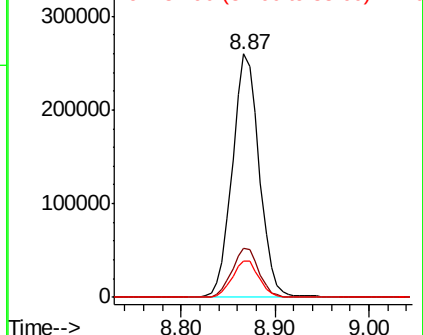
88 15.0 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 58.150 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

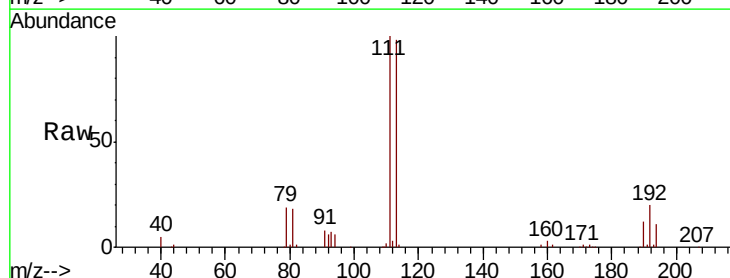
Tgt Ion:113 Resp: 166950

Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

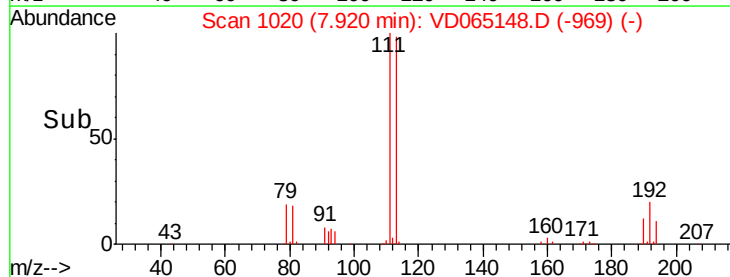
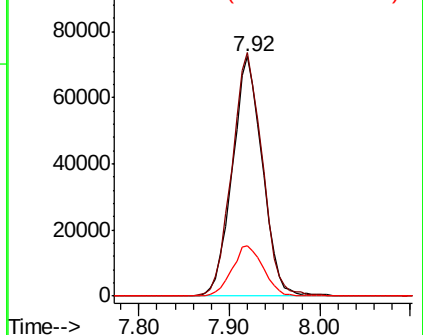
192 21.8 18.1 27.1

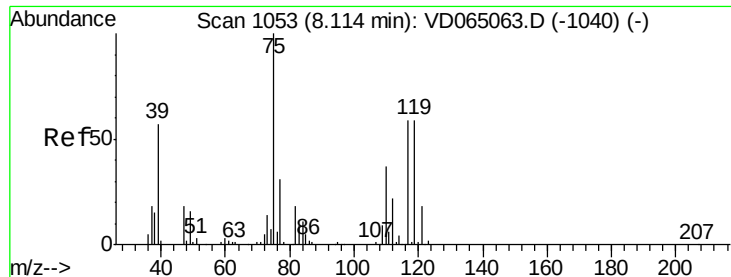


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

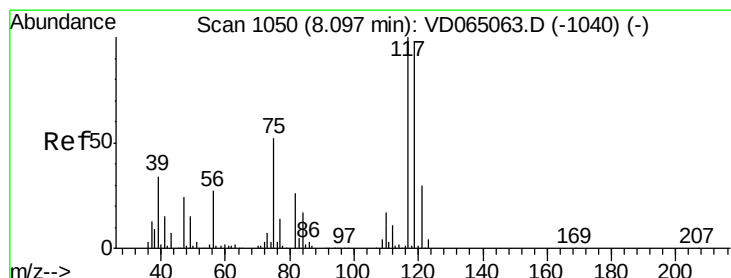
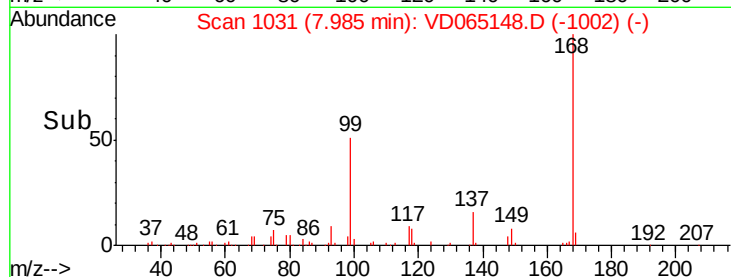
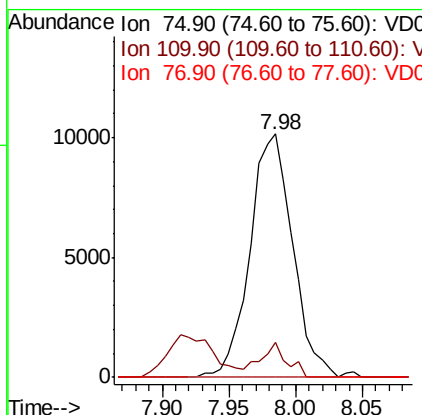
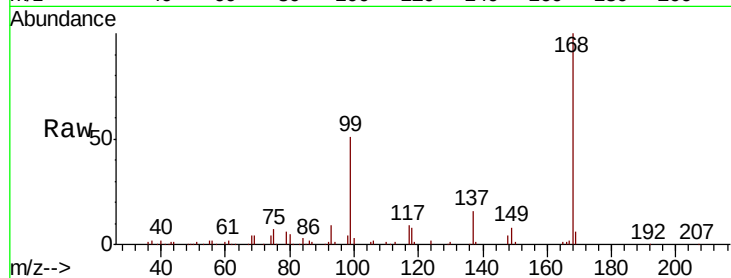




#36
 1,1-Dichloropropene
 Concen: 4.680 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065148.D
 Acq: 11 Feb 2020 17:06

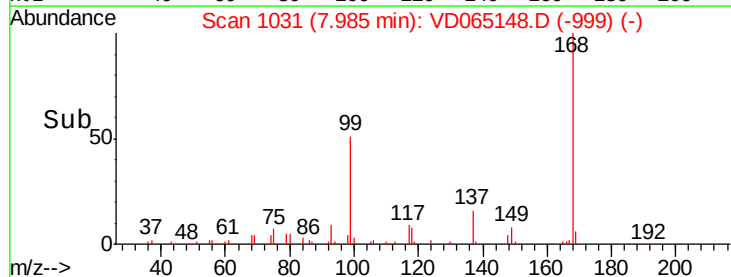
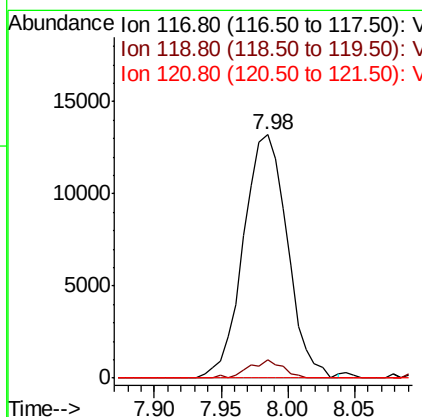
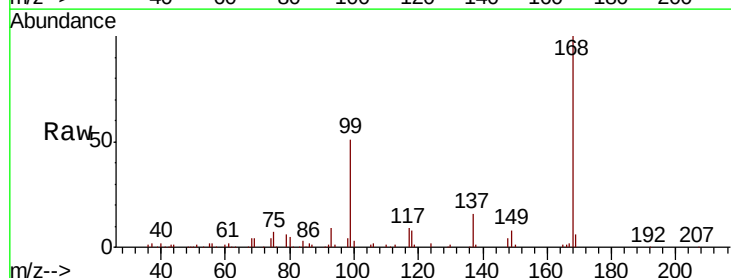
Instrument :
 MSVOA_D
 ClientSampled :

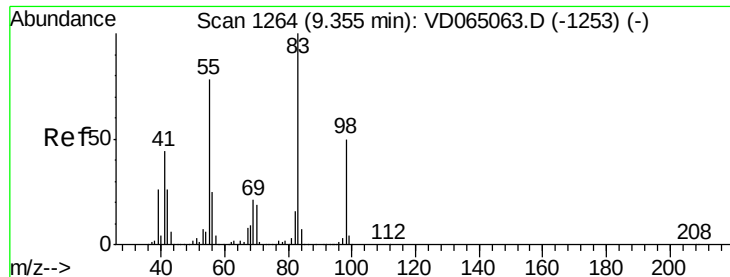
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.163 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065148.D
 Acq: 11 Feb 2020 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	78.5	117.7#
121	0.0	23.8	35.6#

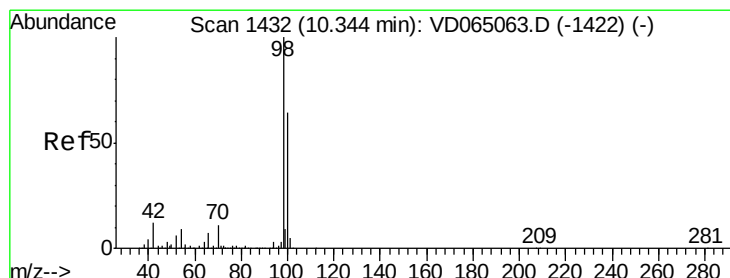
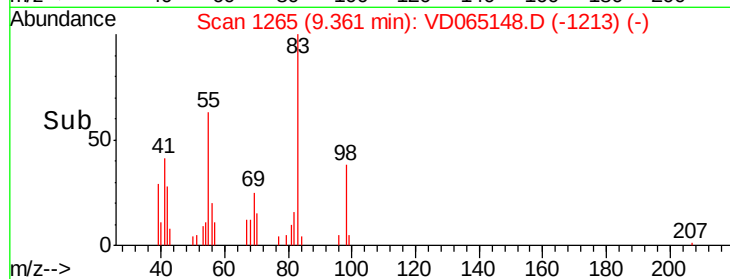
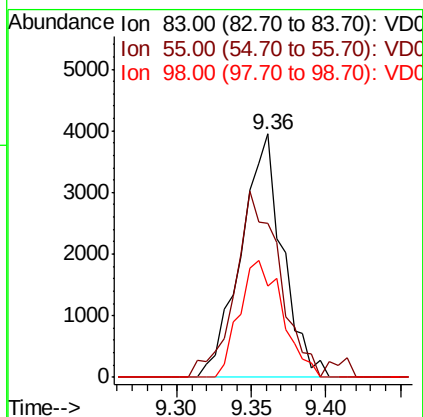
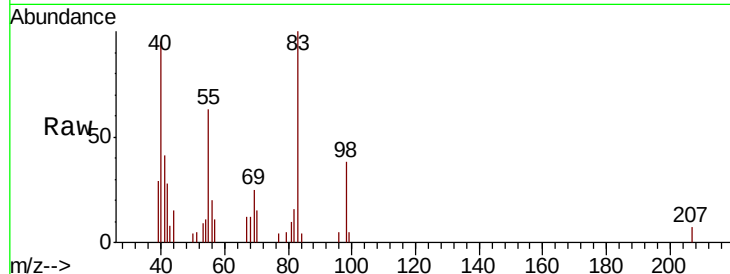




#39
Methylcyclohexane
Concen: 1.291 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

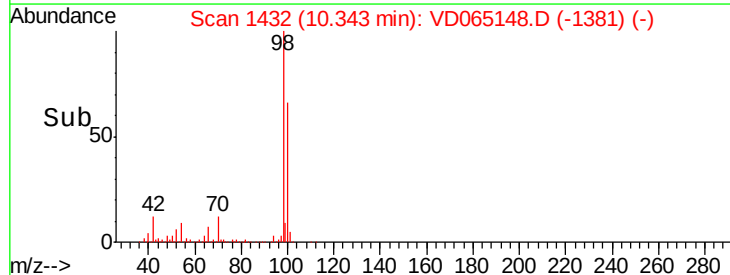
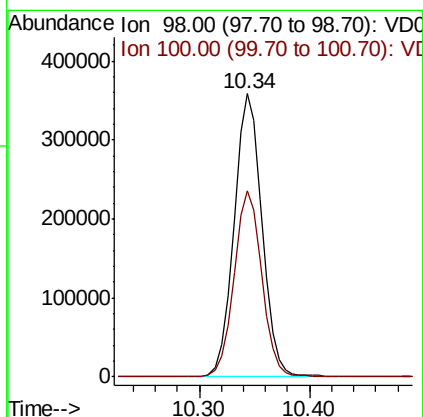
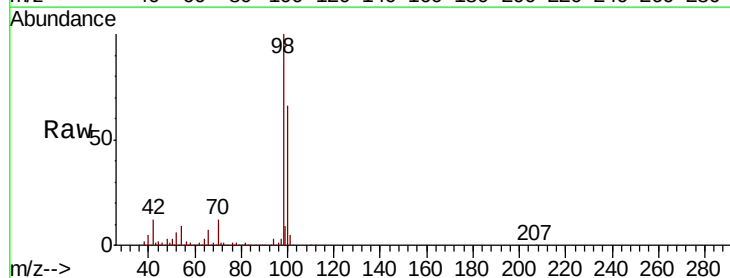
Instrument :
MSVOA_D
ClientSampleId :

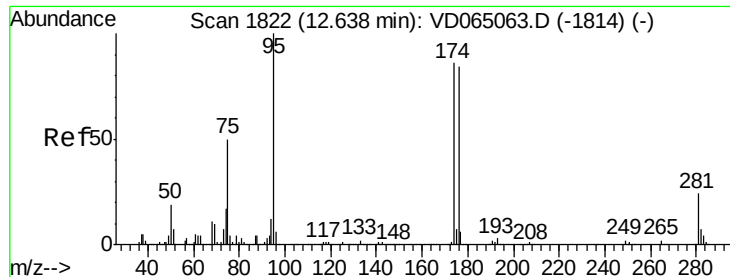
Tot Ion: 83 Resp: 7626
Ion Ratio Lower Upper
83 100
55 63.5 62.0 93.0
98 37.6 39.9 59.9#



#50
Toluene-d8
Concen: 55.812 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

Tgt Ion: 98 Resp: 637792
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

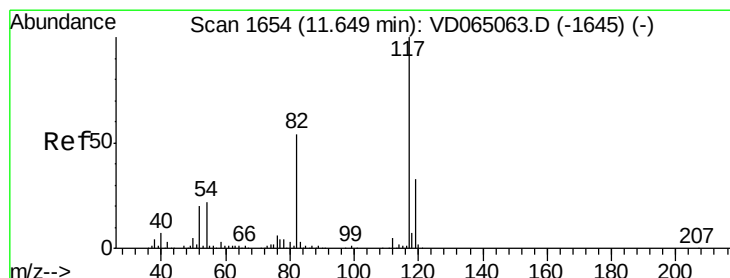
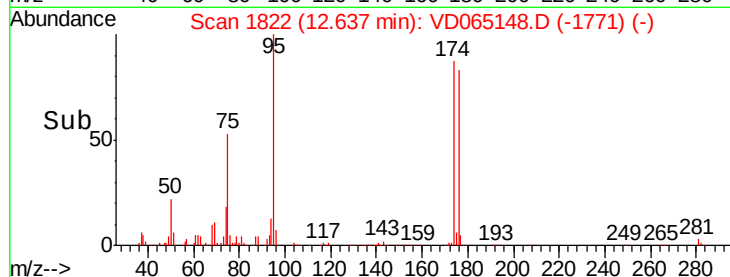
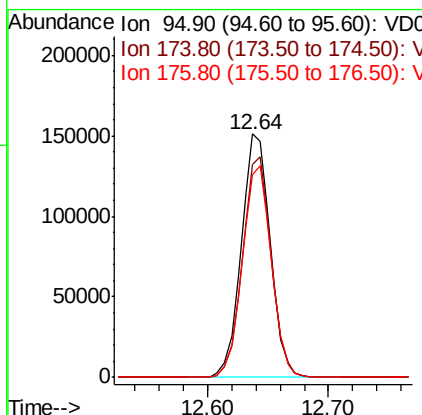
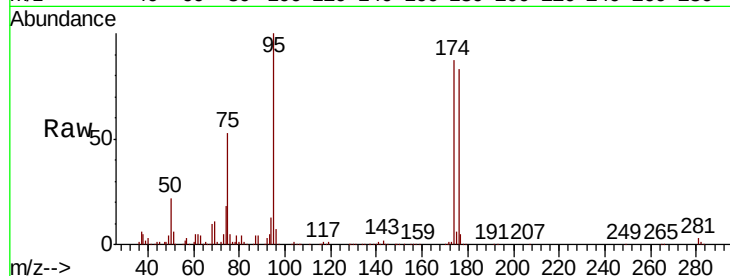




#62
4-Bromofluorobenzene
Concen: 69.770 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

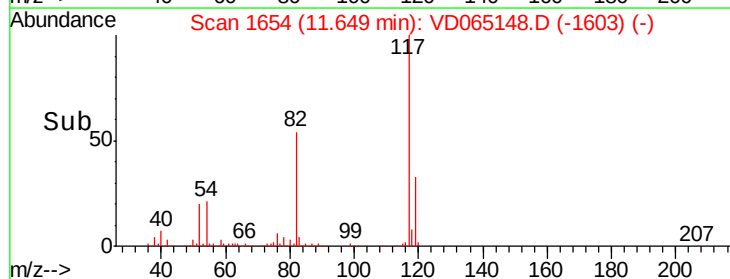
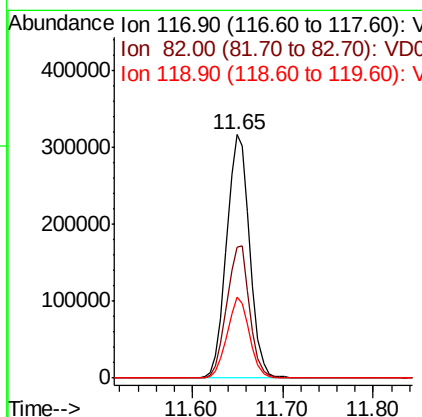
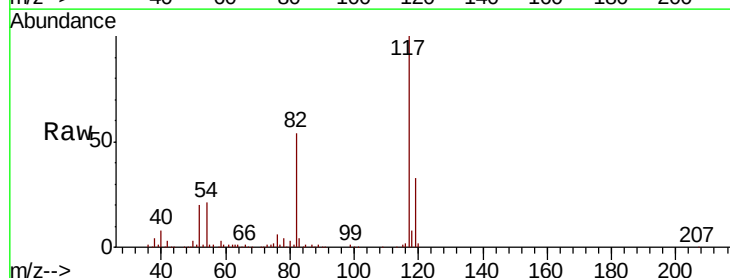
Instrument :
MSVOA_D
ClientSampleId :

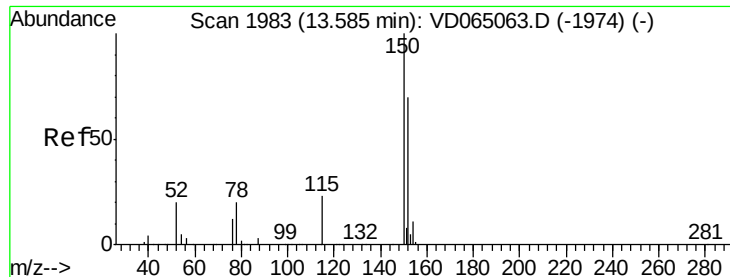
Tot Ion: 95 Resp: 252633
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.0
176 86.9 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065148.D
Acq: 11 Feb 2020 17:06

Tgt Ion: 117 Resp: 558647
Ion Ratio Lower Upper
117 100
82 53.6 43.1 64.7
119 33.1 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: VD065148.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

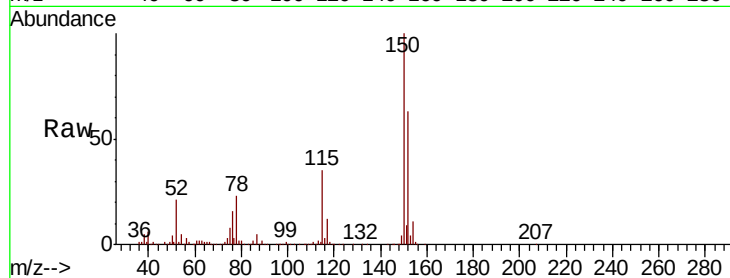
Tot Ion:152 Resp: 294312

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.4

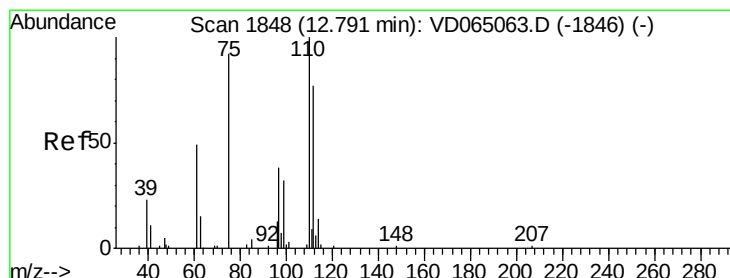
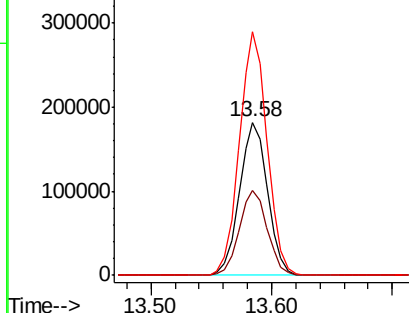
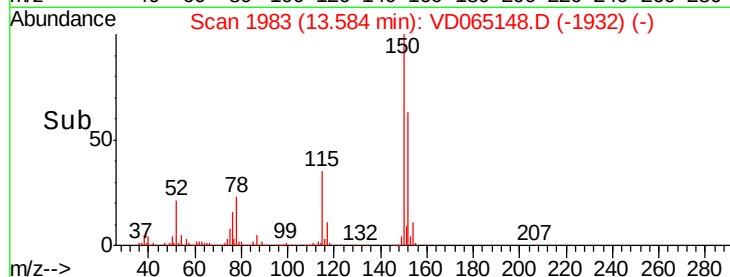
150 156.7 0.0 343.2



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: 58.374 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065148.D

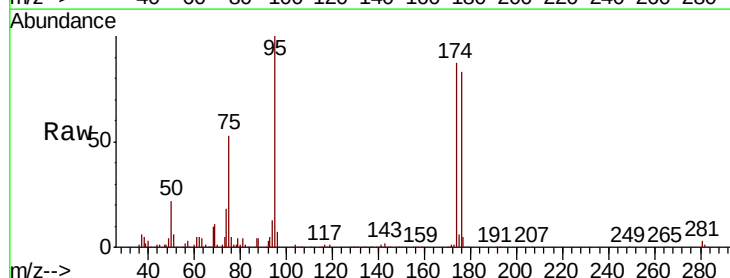
Acq: 11 Feb 2020 17:06

Tgt Ion: 75 Resp: 130073

Ion Ratio Lower Upper

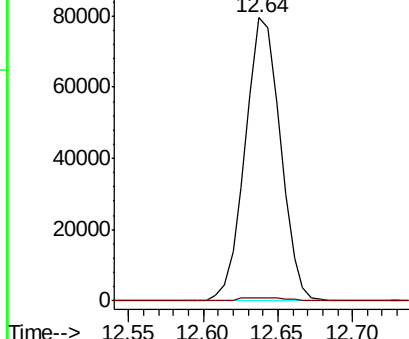
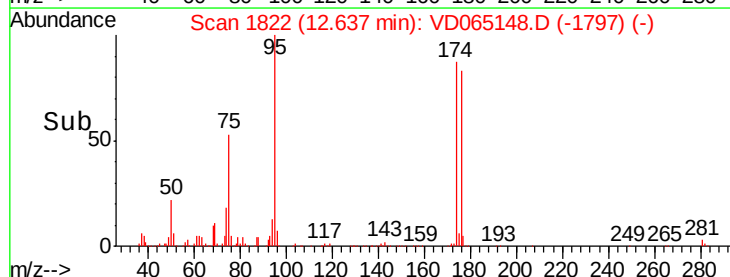
75 100

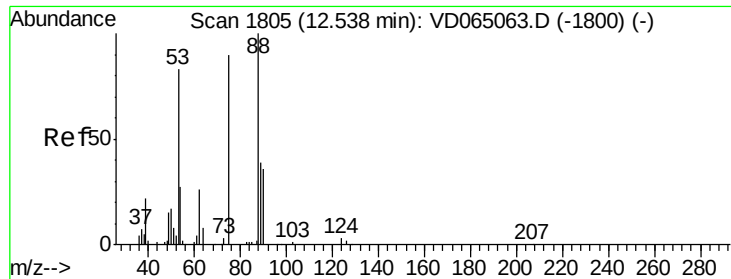
77 1.6 0.0 0.0#



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: 116.744 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065148.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 130073

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.0 55.4#

