

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065132.D
 Acq On : 10 Feb 2020 14:50
 Operator : VA/SY
 Sample : L1470-11
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:06:53 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

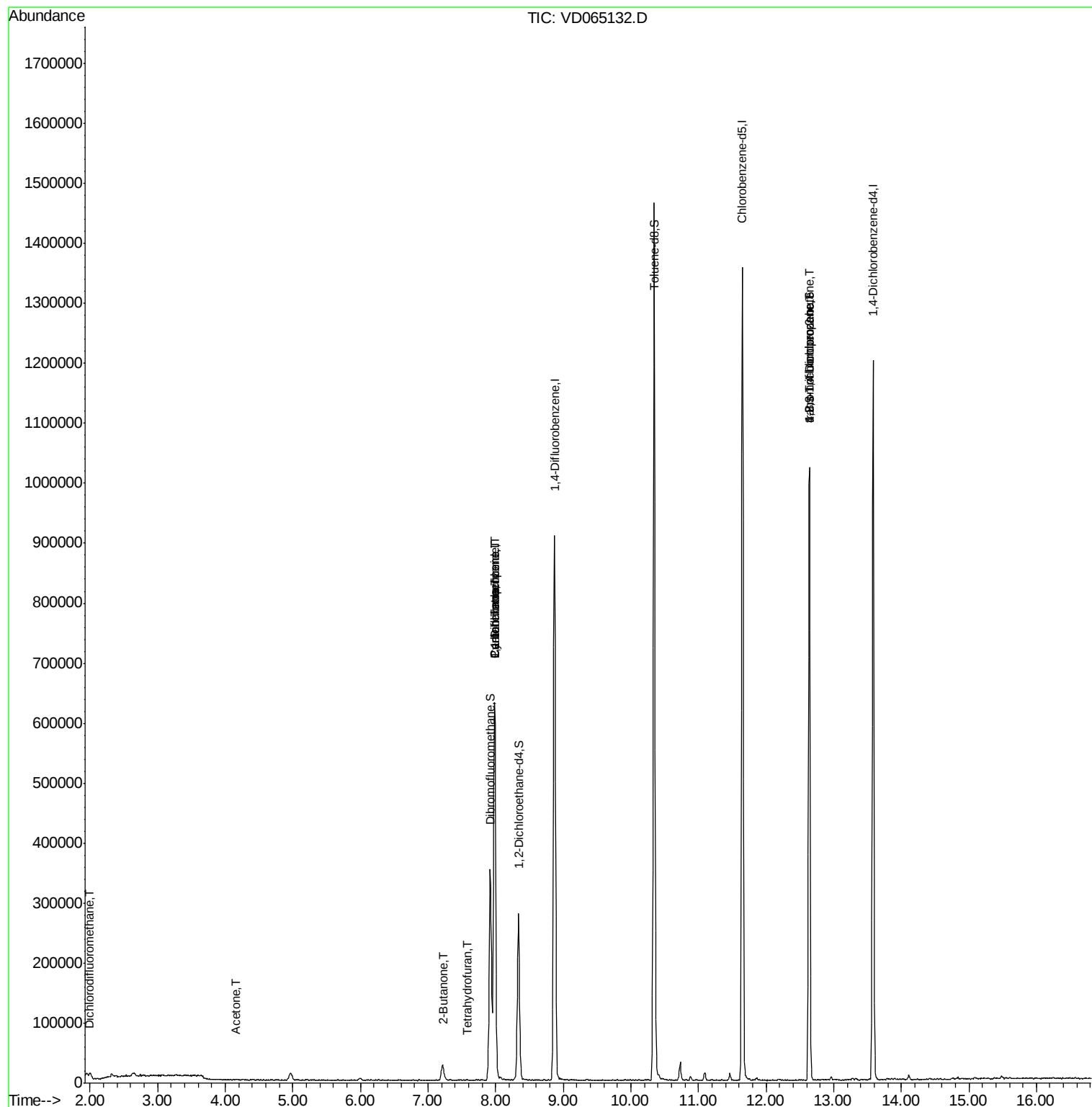
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	497856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	793643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	768490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	219251	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
35) Dibromofluoromethane	7.92	113	244145	55.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.28%	
50) Toluene-d8	10.34	98	968063	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
62) 4-Bromofluorobenzene	12.64	95	309835	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	5297	1.279	ug/l	92
16) Acetone	4.17	43	1724	1.630	ug/l #	45
20) Methylene Chloride	4.96	84	9331	Below Cal		92
25) 2-Butanone	7.24	43	2087	1.654	ug/l #	50
29) Tetrahydrofuran	7.58	42	850	1.114	ug/l #	64
31) Cyclohexane	7.98	56	10630	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38019	5.152	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47517	6.304	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	162010	68.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162010	137.781	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: VD065132.D

Acq: 10 Feb 2020 14:50

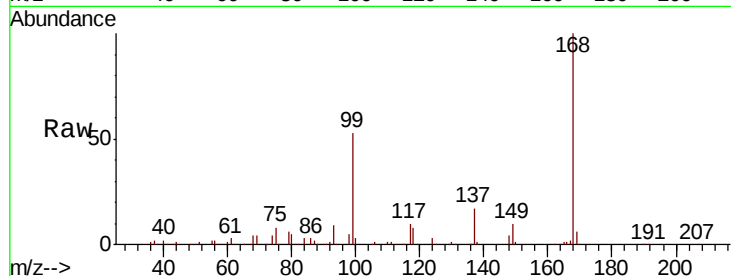
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 497856

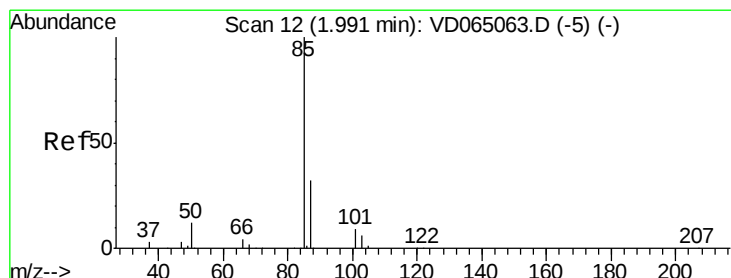
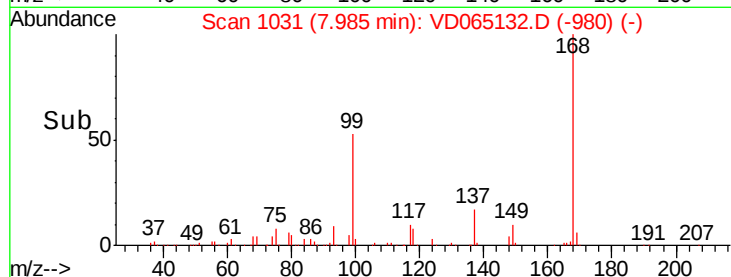
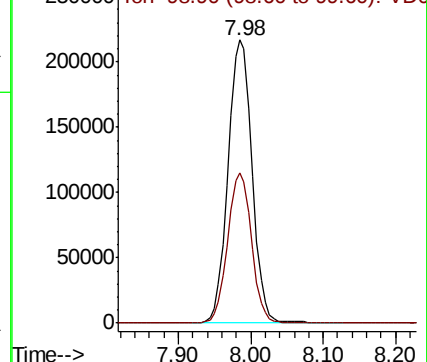
Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.279 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065132.D

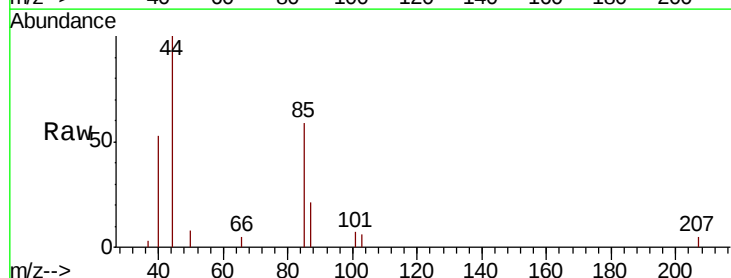
Acq: 10 Feb 2020 14:50

Tgt Ion: 85 Resp: 5297

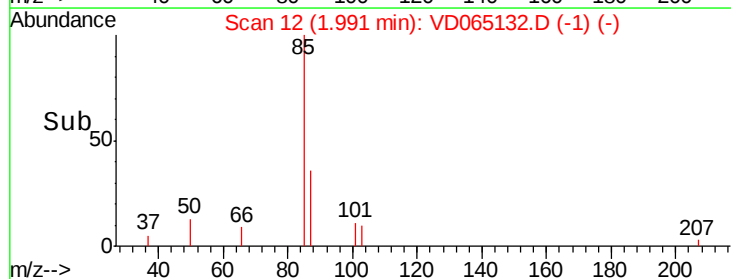
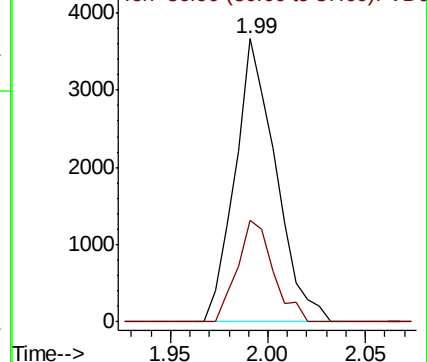
Ion Ratio Lower Upper

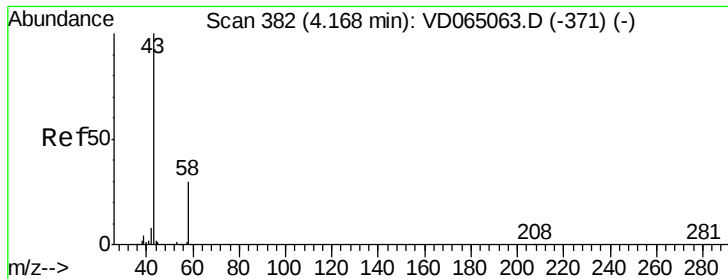
85 100

87 35.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.630 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

Instrument :

MSVOA_D

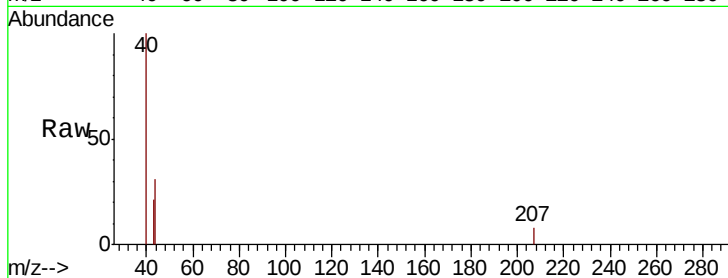
ClientSampleId :

Tot Ion: 43 Resp: 1724

Ion Ratio Lower Upper

43 100

58 0.0 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

800

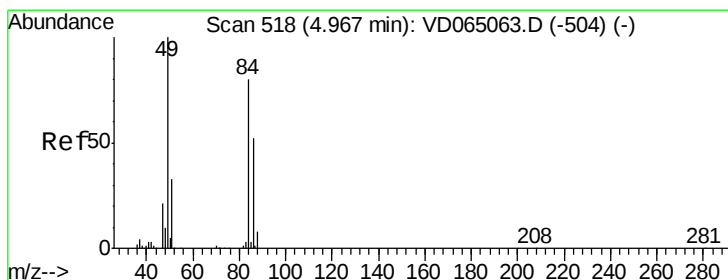
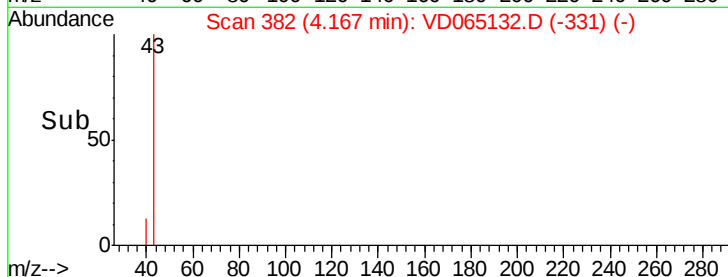
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

Tgt Ion: 84 Resp: 9331

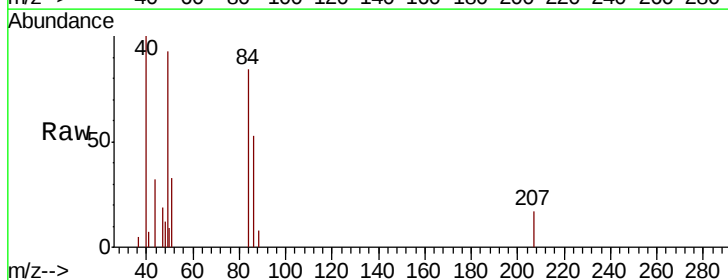
Ion Ratio Lower Upper

84 100

49 111.5 100.4 150.6

51 38.9 32.7 49.1

86 63.1 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

6000

5000

4000

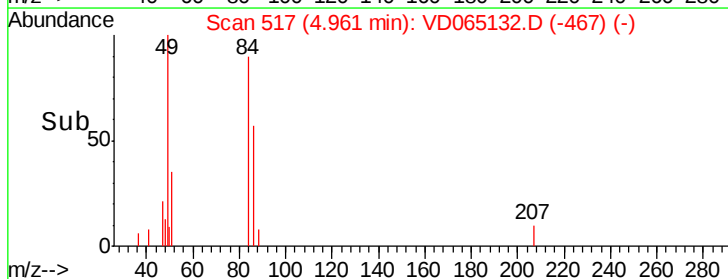
3000

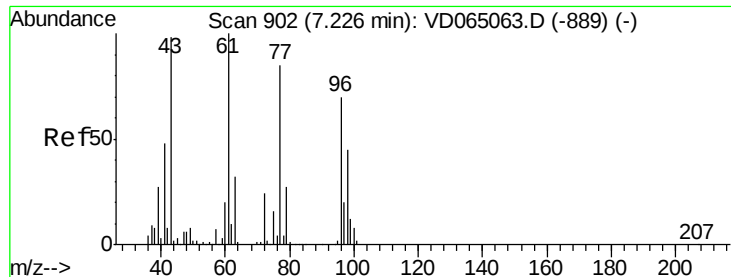
2000

1000

0

Time-->





#25

2-Butanone

Concen: 1.654 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

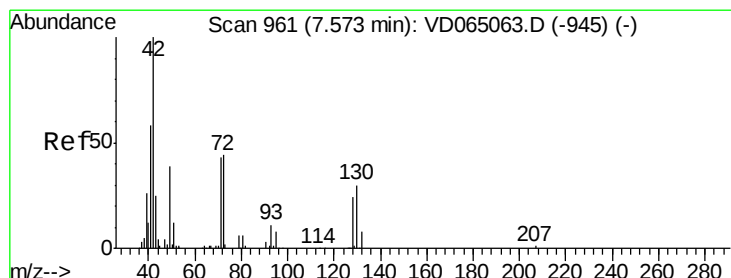
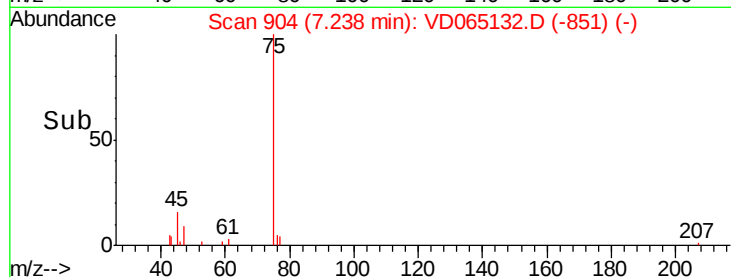
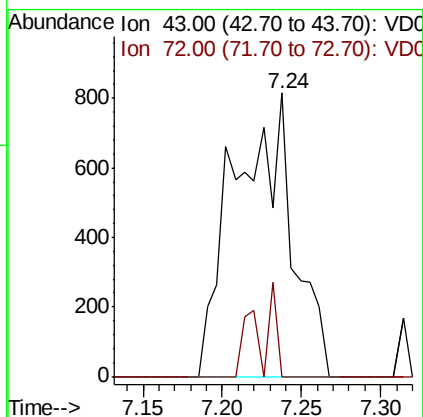
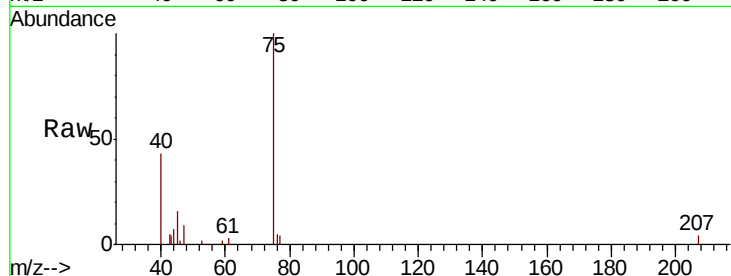
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2087

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 1.114 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

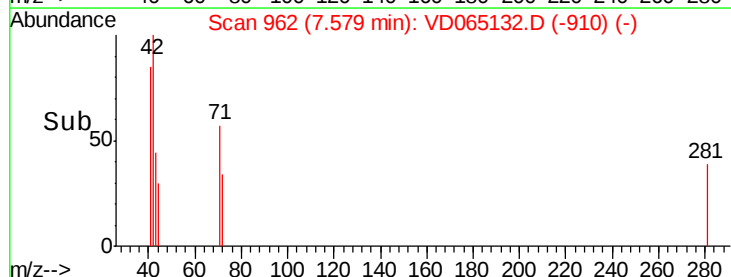
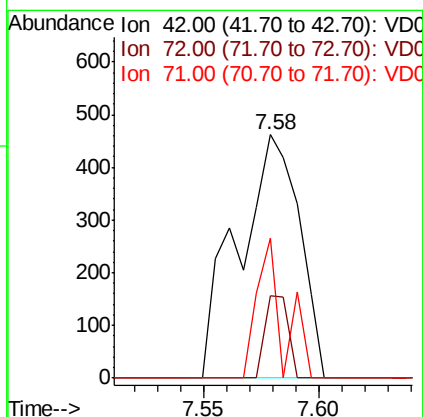
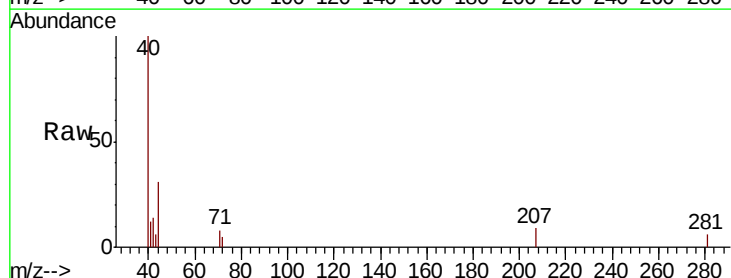
Tgt Ion: 42 Resp: 850

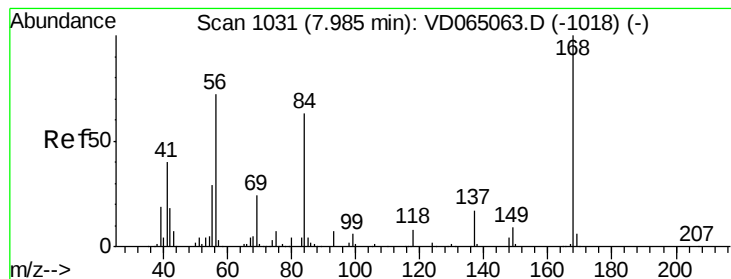
Ion Ratio Lower Upper

42 100

72 12.9 34.2 51.4#

71 24.5 31.8 47.6#





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

Instrument :
MSVOA_D
ClientSampled :

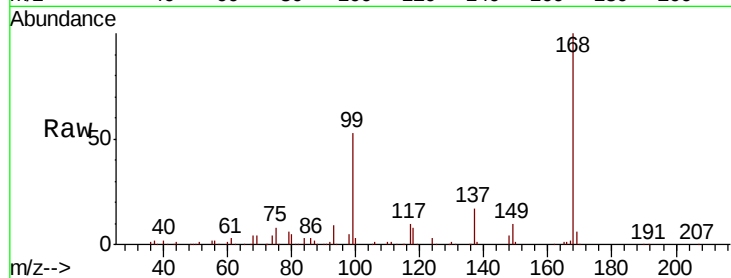
Tot Ion: 56 Resp: 10630

Ion Ratio Lower Upper

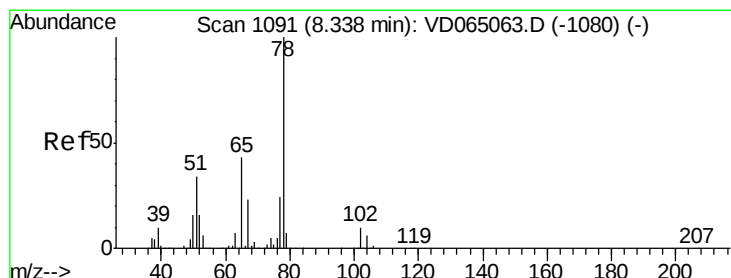
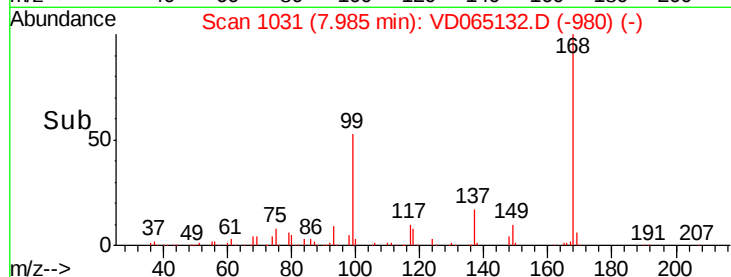
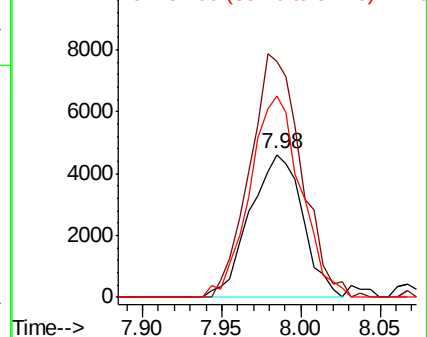
56 100

69 164.7 26.6 40.0#

84 141.1 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: 51.816 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065132.D

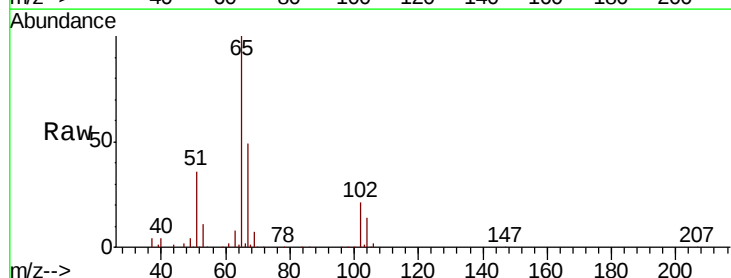
Acq: 10 Feb 2020 14:50

Tgt Ion: 65 Resp: 219251

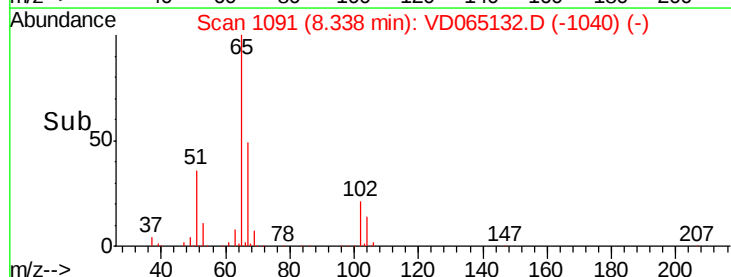
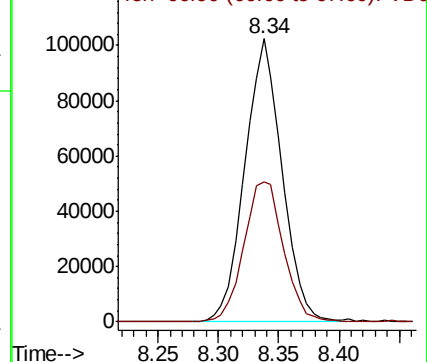
Ion Ratio Lower Upper

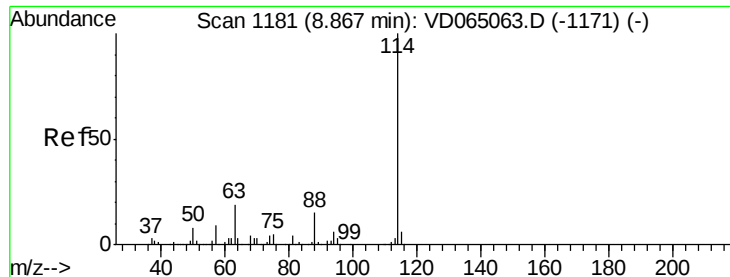
65 100

67 52.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

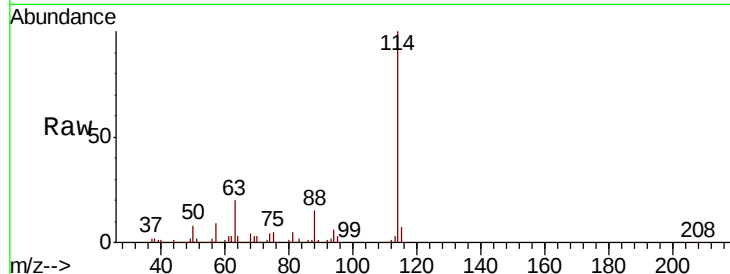




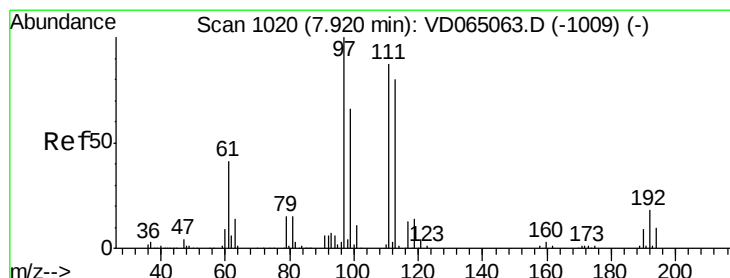
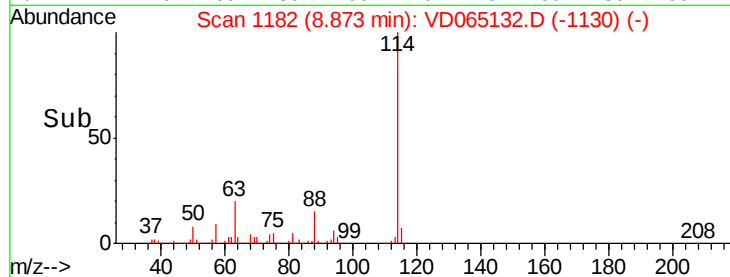
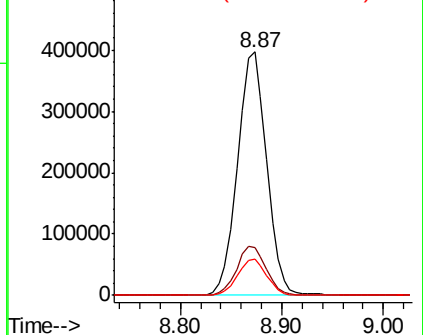
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065132.D
 Acq: 10 Feb 2020 14:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.8
88	14.9	0.0	29.6

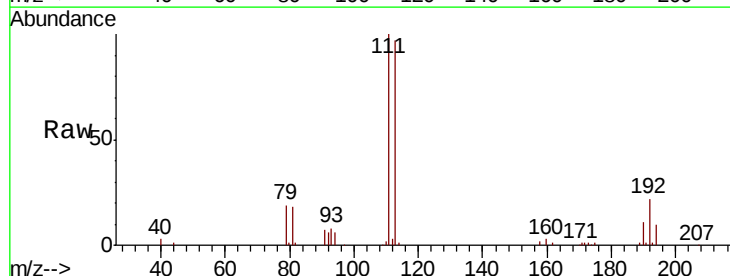


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

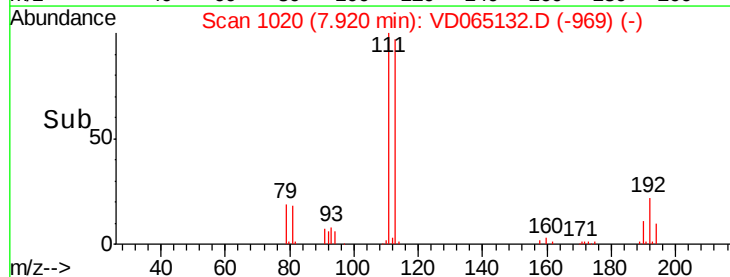
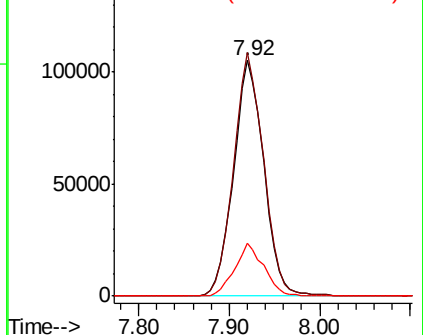


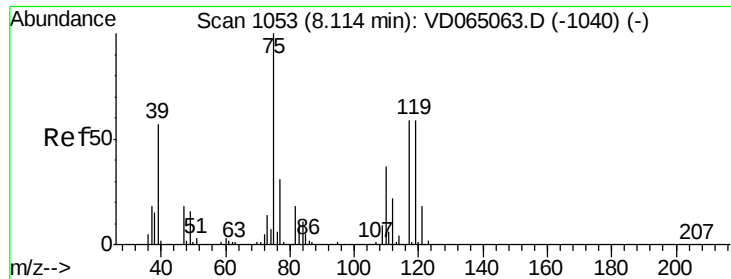
#35
 Dibromofluoromethane
 Concen: 55.136 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065132.D
 Acq: 10 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	21.4	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

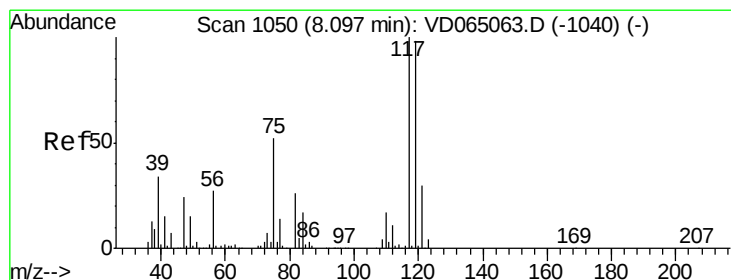
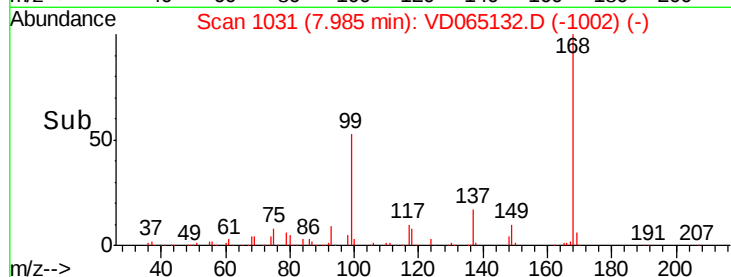
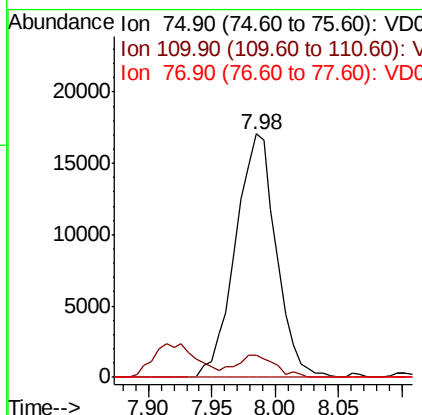
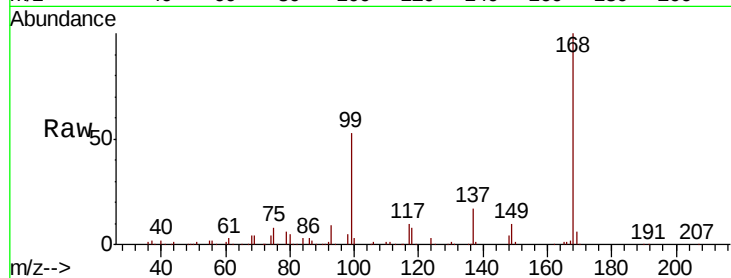




#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065132.D
 Acq: 10 Feb 2020 14:50

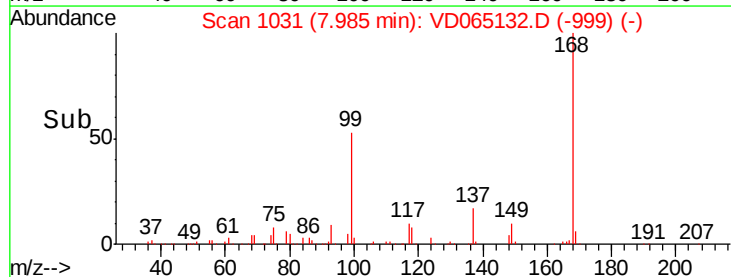
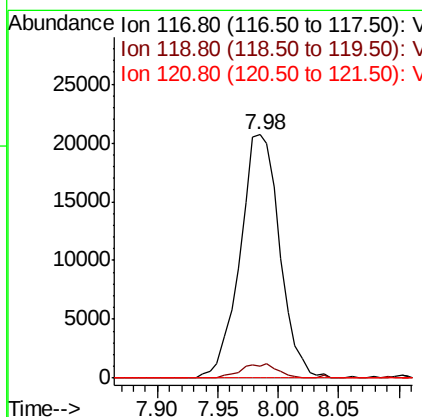
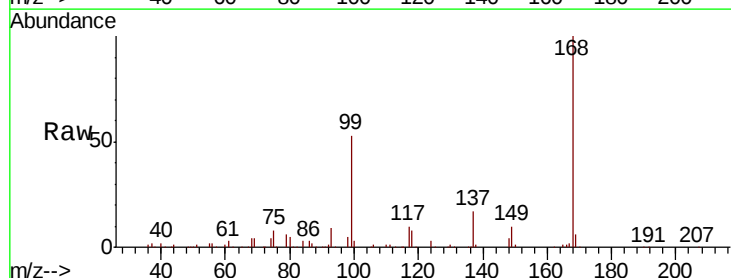
Instrument :
 MSVOA_D
 ClientSampled :

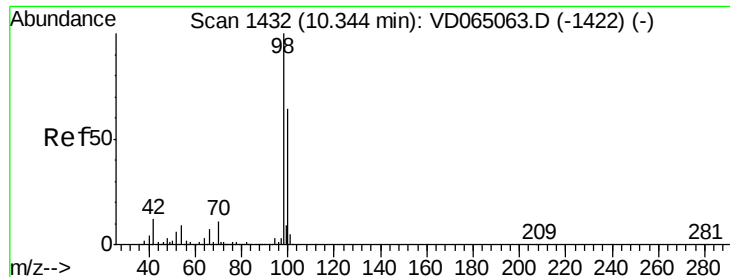
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.304 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065132.D
 Acq: 10 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.5	117.7#
121	0.0	23.8	35.6#

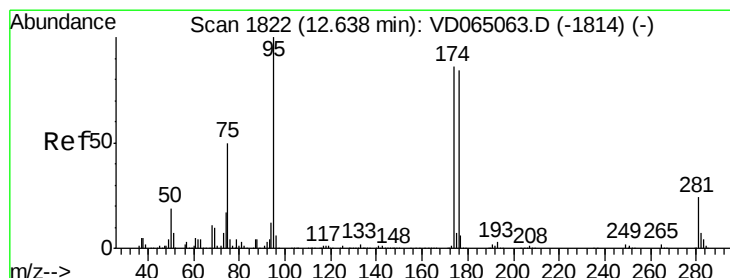
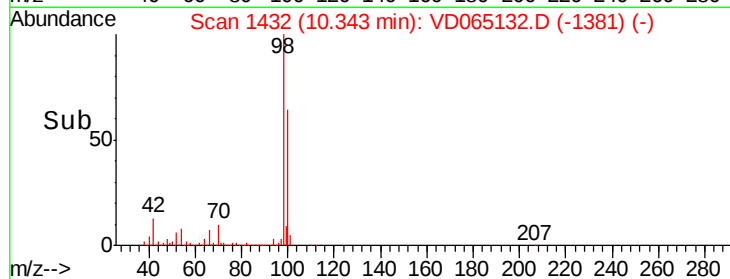
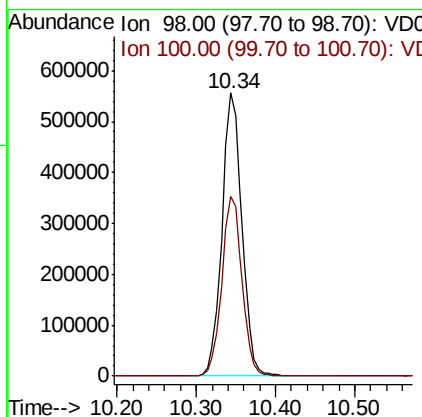
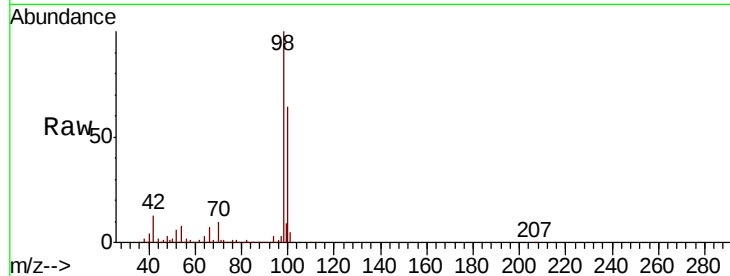




#50
Toluene-d8
Concen: 54.926 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065132.D
Acq: 10 Feb 2020 14:50

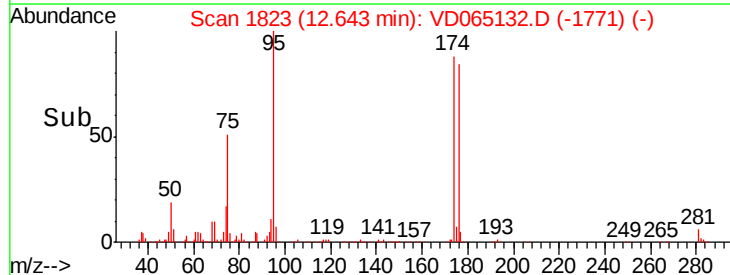
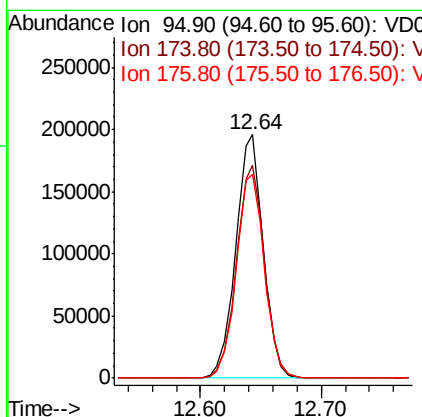
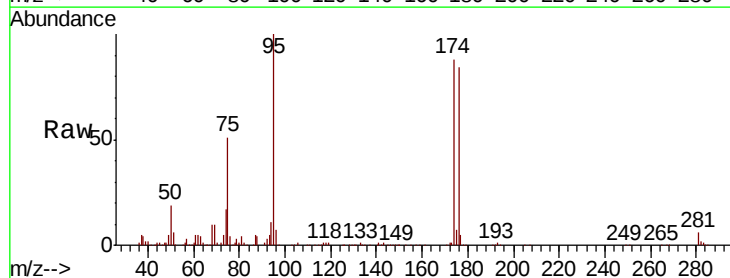
Instrument :
MSVOA_D
ClientSampleId :

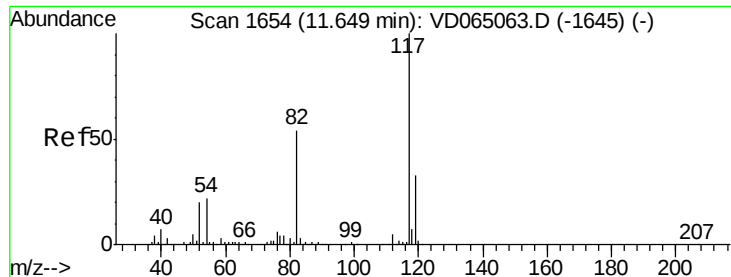
Tot Ion: 98 Resp: 968063
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 55.480 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065132.D
Acq: 10 Feb 2020 14:50

Tgt Ion: 95 Resp: 309835
Ion Ratio Lower Upper
95 100
174 89.4 0.0 180.0
176 86.1 0.0 173.2

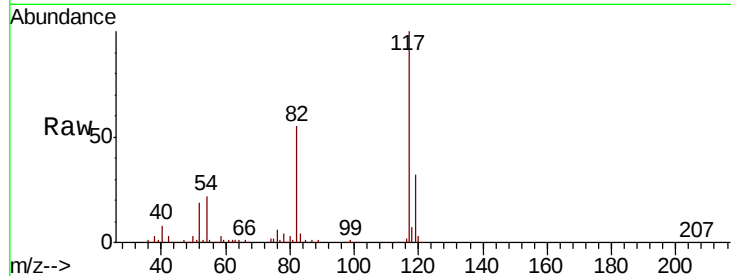




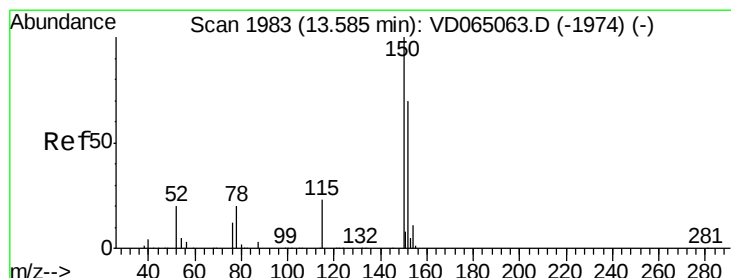
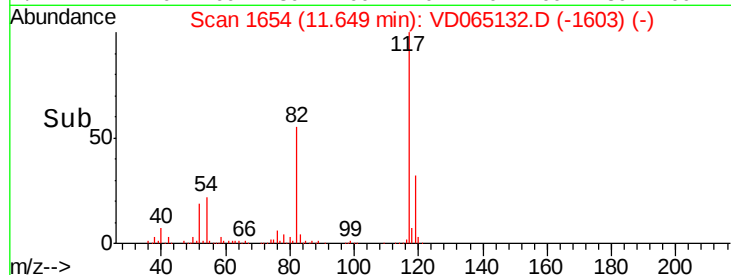
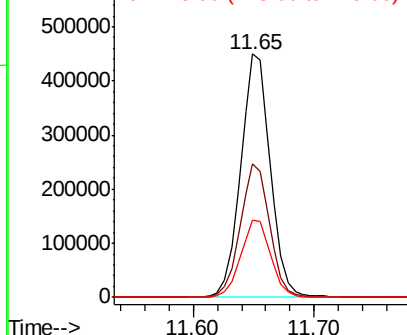
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065132.D
Acq: 10 Feb 2020 14:50

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.1	64.7
119	31.7	26.0	39.0

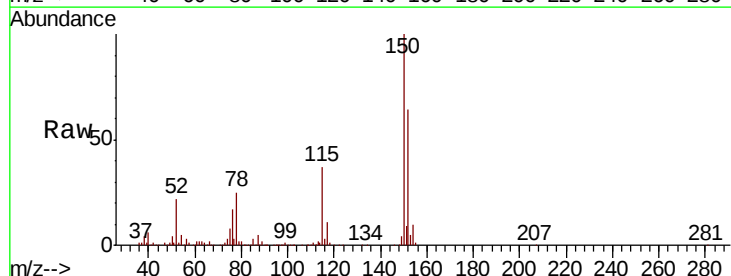


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

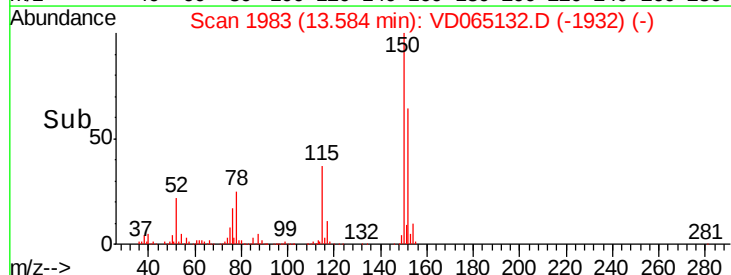
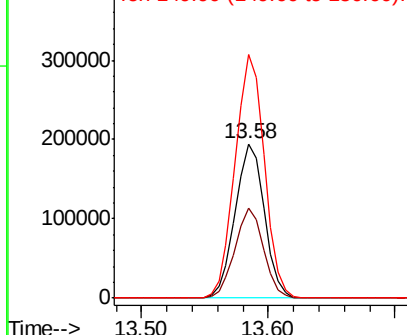


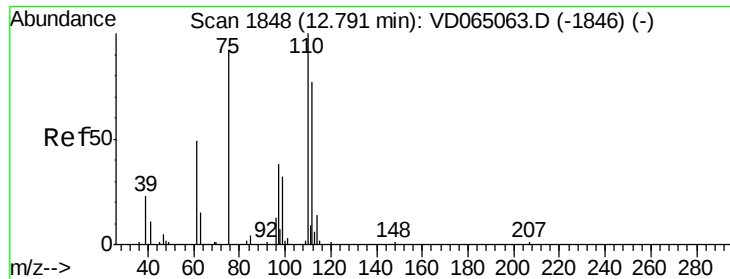
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065132.D
Acq: 10 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.5	82.4
150	157.8	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: 68.893 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

Instrument :

MSVOA_D

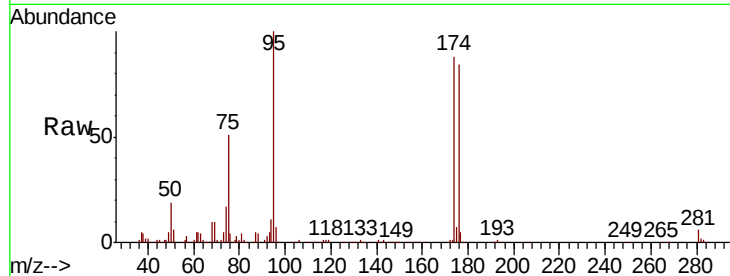
ClientSampled :

Tot Ion: 75 Resp: 162010

Ion Ratio Lower Upper

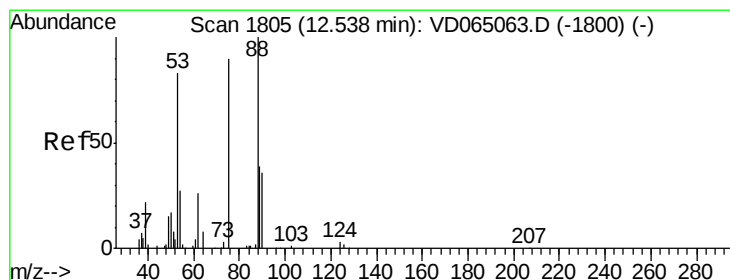
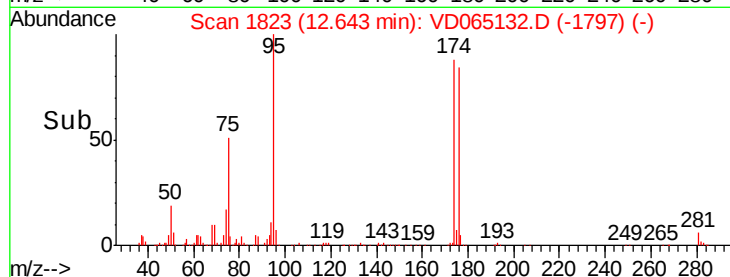
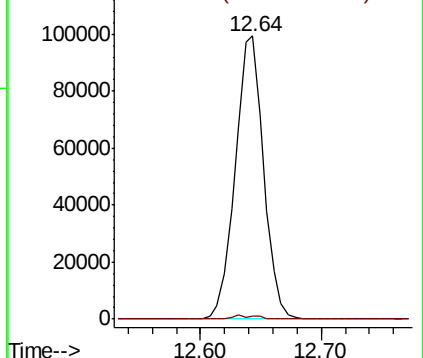
75 100

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: 137.781 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065132.D

Acq: 10 Feb 2020 14:50

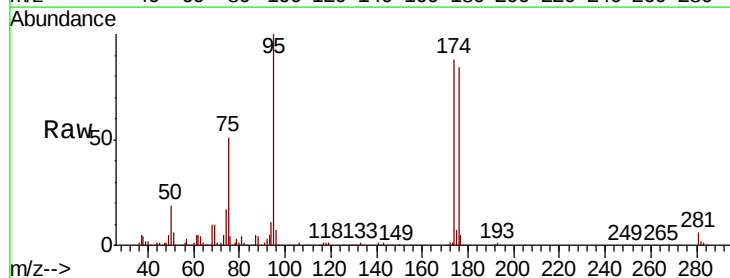
Tgt Ion: 75 Resp: 162010

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

