

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065311.D
 Acq On : 25 Feb 2020 16:28
 Operator : VA/SY
 Sample : L1678-01RE
 Misc : 6.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:39:13 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	332021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	215622	72.19	ug/l	0.00
Spiked Amount						
			Recovery	=	144.38%	
35) Dibromofluoromethane	7.92	113	198113	57.49	ug/l	0.00
Spiked Amount						
			Recovery	=	114.98%	
50) Toluene-d8	10.34	98	697803	52.97	ug/l	0.00
Spiked Amount						
			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	208447	49.95	ug/l	0.00
Spiked Amount						
			Recovery	=	99.90%	

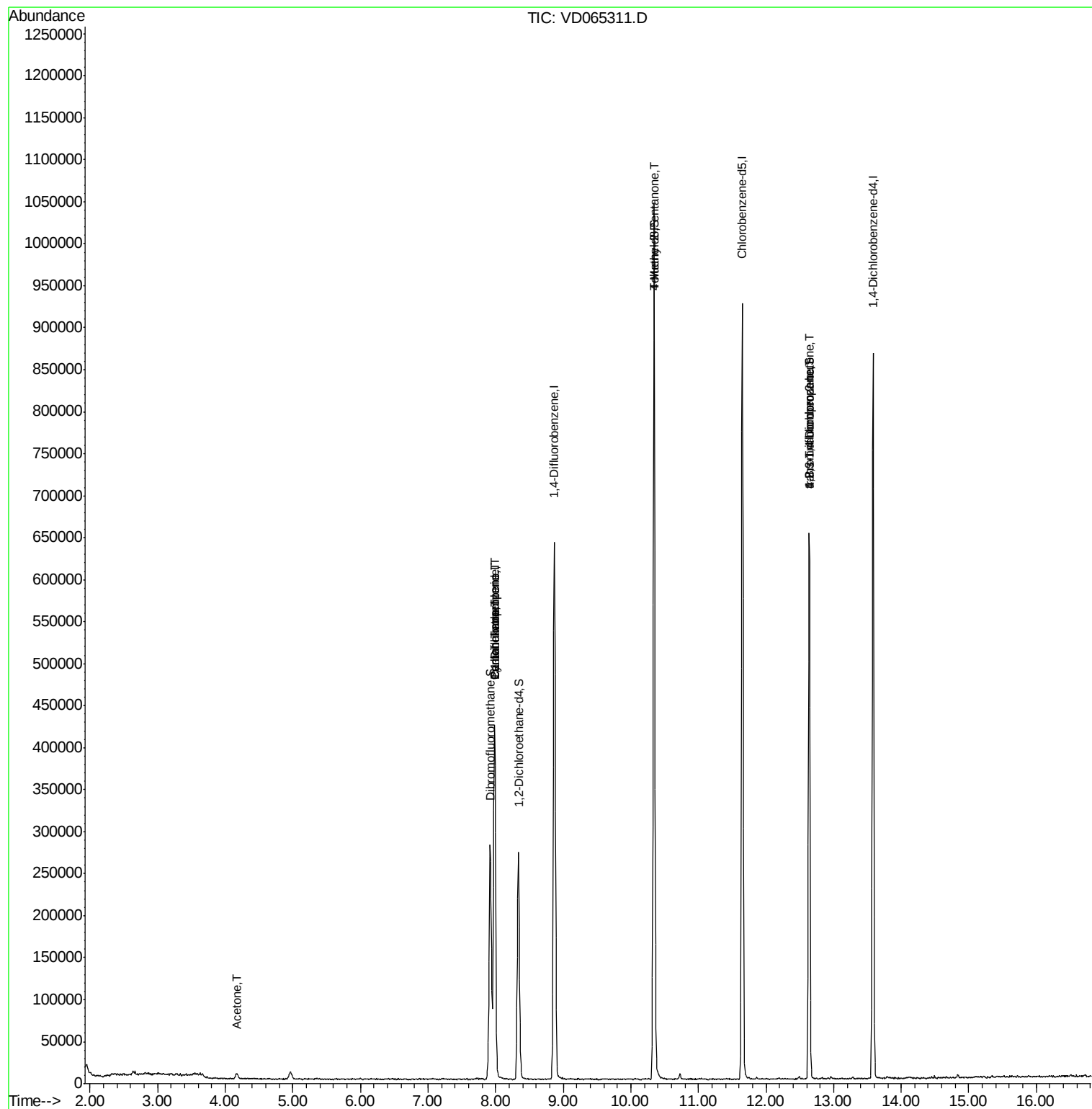
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	131	Below Cal	#	14
16) Acetone	4.17	43	11548	15.816	ug/l	91
20) Methylene Chloride	4.98	84	6666	Below Cal	#	73
31) Cyclohexane	7.99	56	6532	1.112	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	24191	4.399	ug/l #	47
38) Carbon Tetrachloride	7.98	117	30618	5.470	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3032	1.428	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	102223	52.033	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	102223	112.348	ug/l #	11

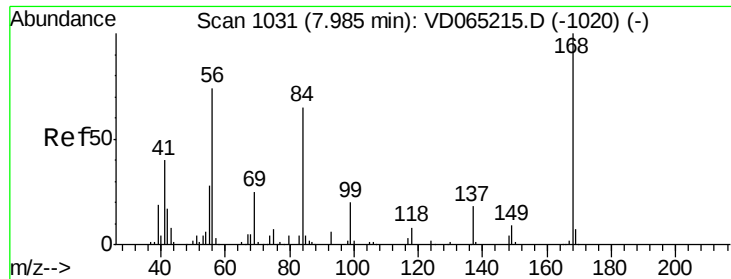
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065311.D

Acq: 25 Feb 2020 16:28

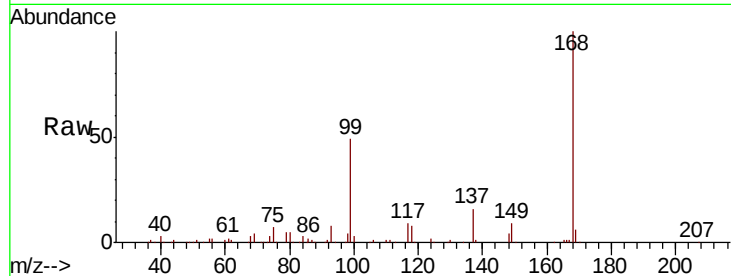
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 332021

Ion Ratio Lower Upper

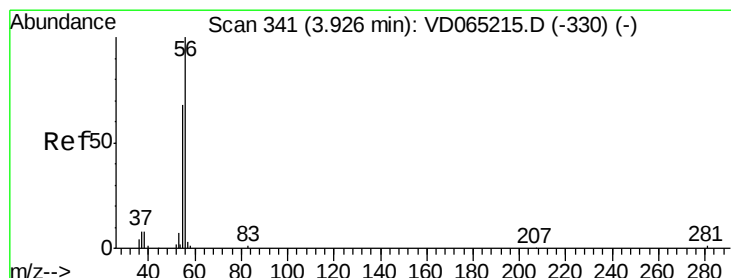
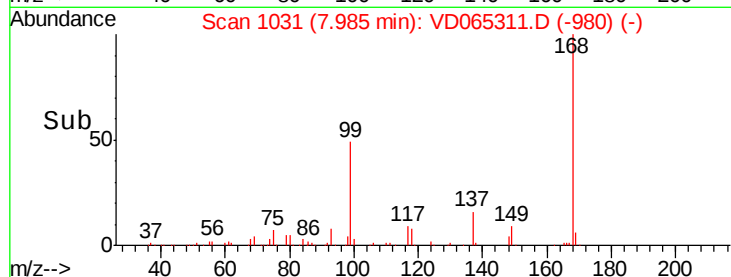
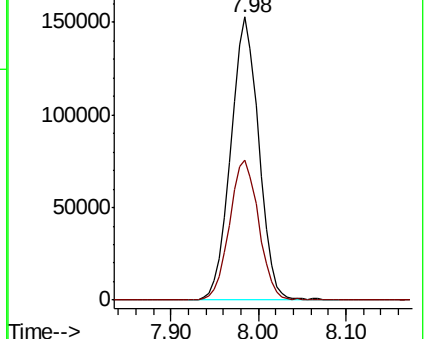
168 100

99 49.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065311.D

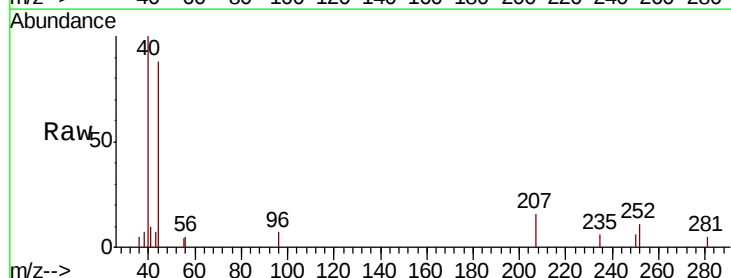
Acq: 25 Feb 2020 16:28

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

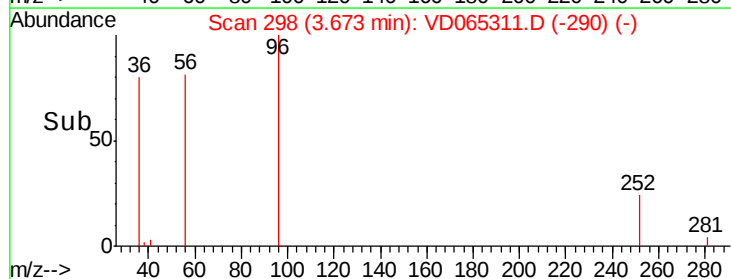
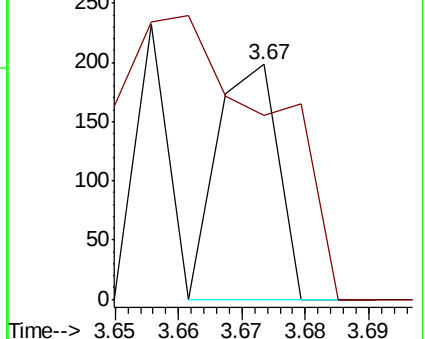
56 100

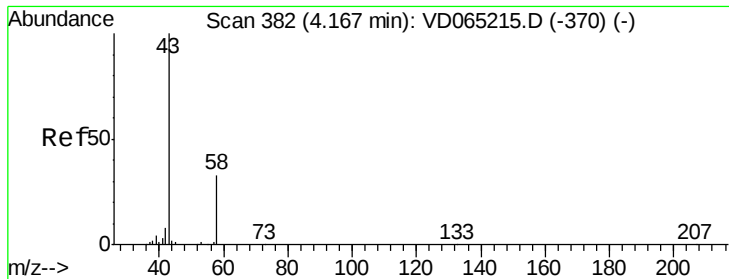
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 15.816 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065311.D

Acq: 25 Feb 2020 16:28

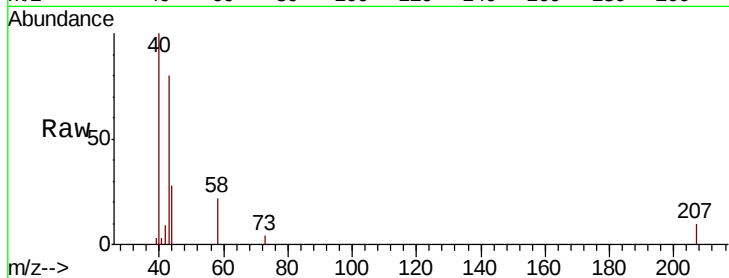
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 11548

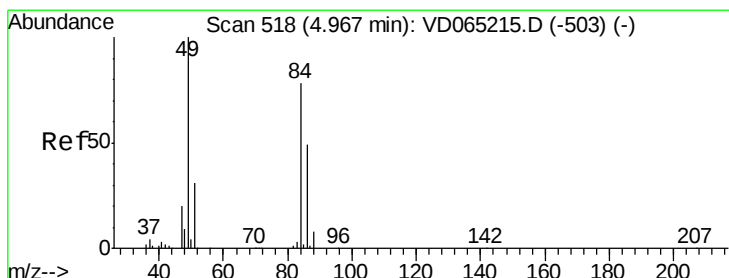
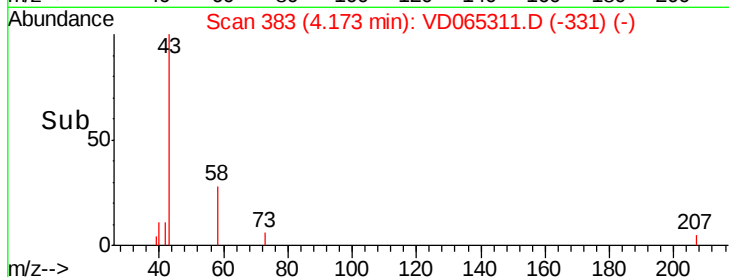
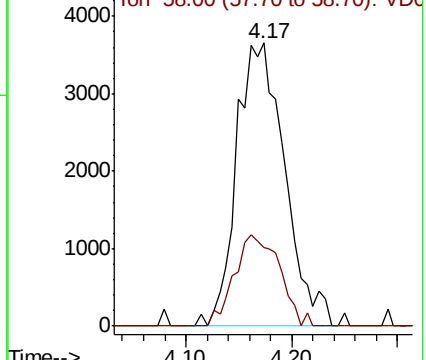
Ion Ratio Lower Upper

43 100

58 27.7 26.2 39.2



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: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD065311.D

Acq: 25 Feb 2020 16:28

Tgt Ion: 84 Resp: 6666

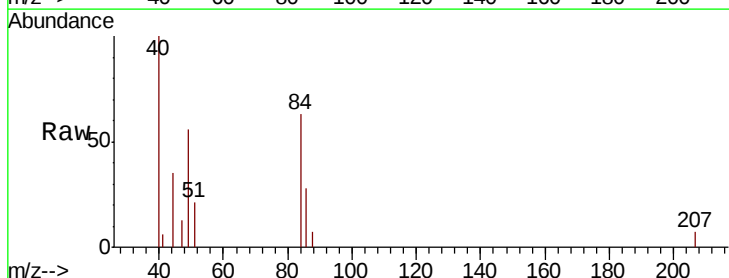
Ion Ratio Lower Upper

84 100

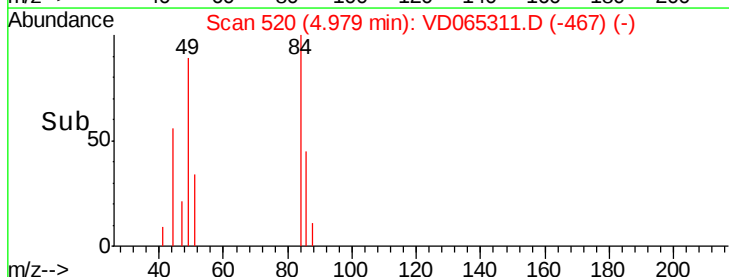
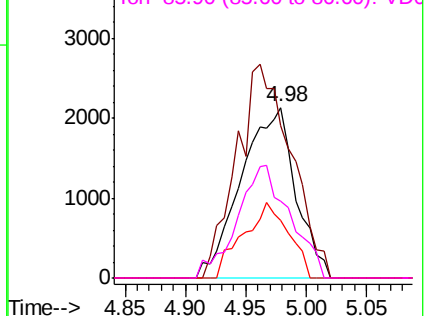
49 89.3 103.1 154.7#

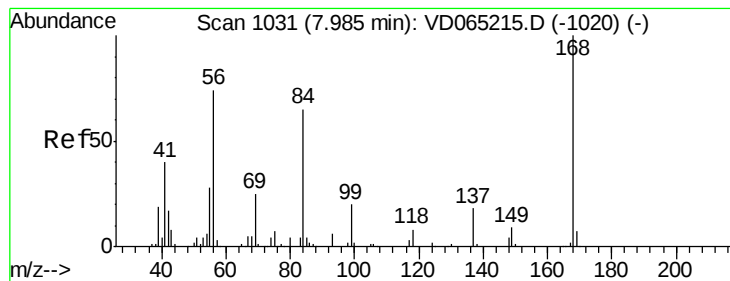
51 33.9 31.7 47.5

86 45.1 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





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065311.D

Acq: 25 Feb 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

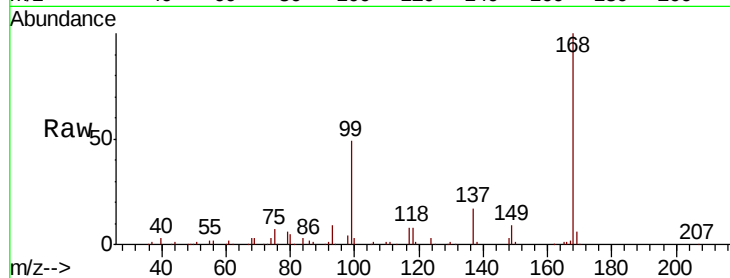
Tot Ion: 56 Resp: 6532

Ion Ratio Lower Upper

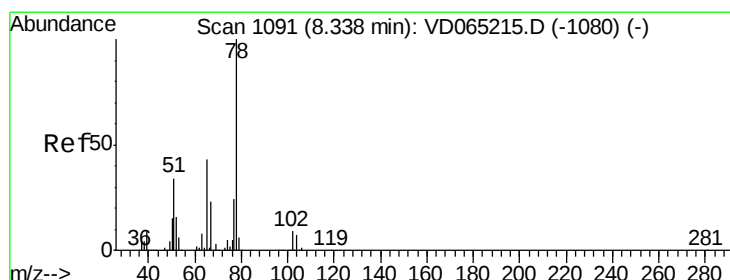
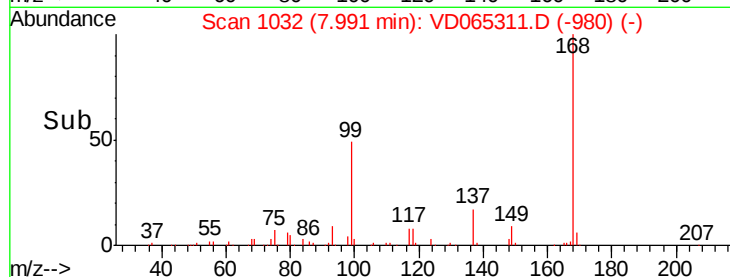
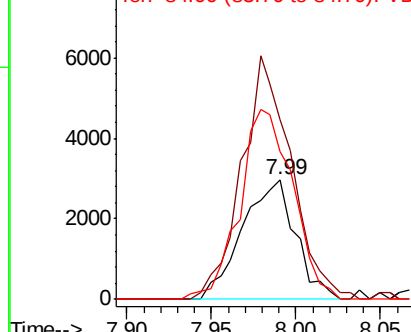
56 100

69 149.4 27.4 41.0#

84 122.9 71.1 106.7#



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: 72.189 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065311.D

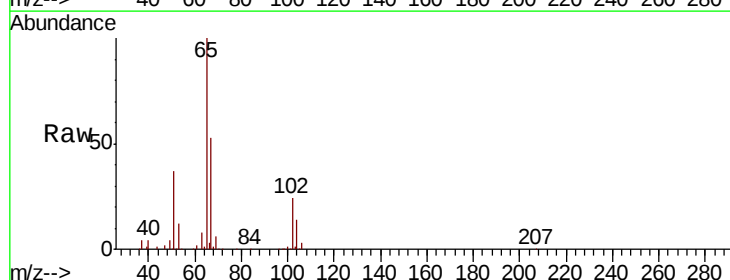
Acq: 25 Feb 2020 16:28

Tgt Ion: 65 Resp: 215622

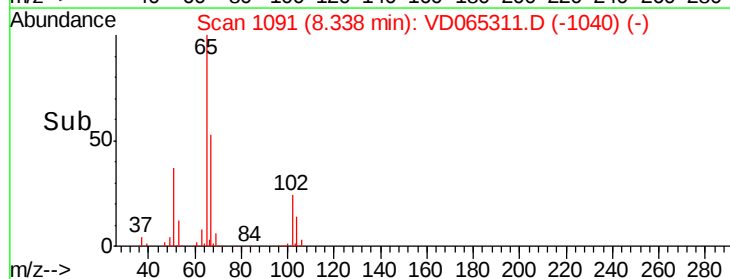
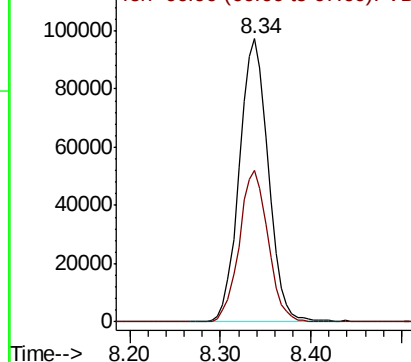
Ion Ratio Lower Upper

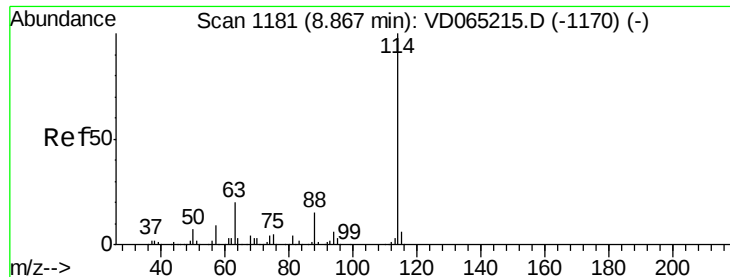
65 100

67 53.3 0.0 106.8



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

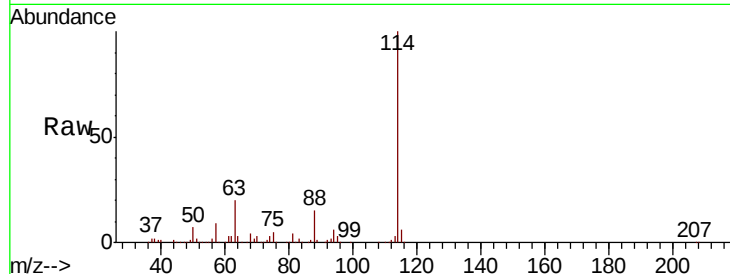




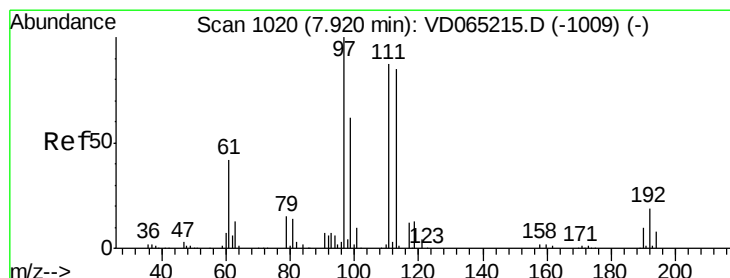
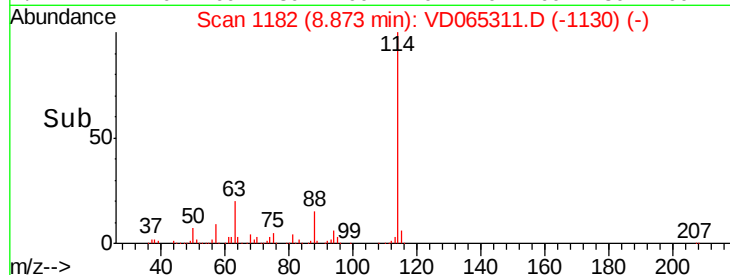
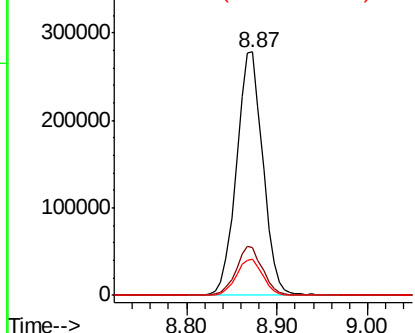
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065311.D
 Acq: 25 Feb 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.4
88	15.1	0.0	30.4

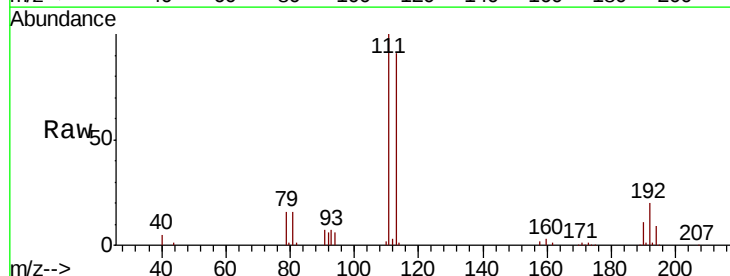


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

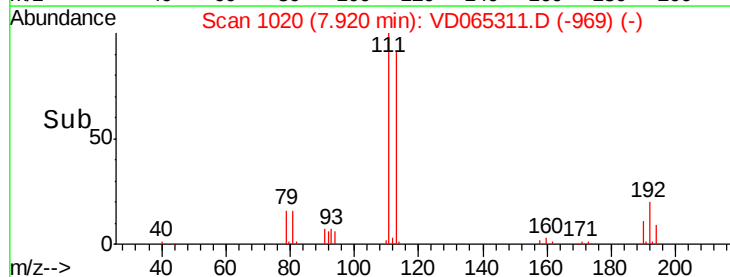
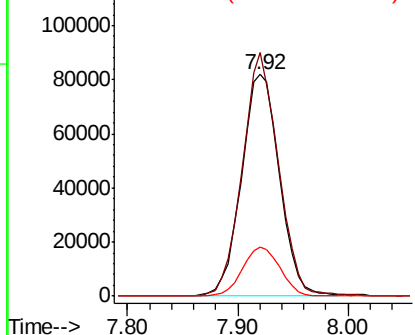


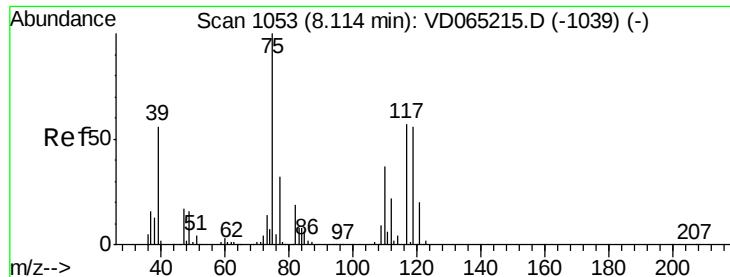
#35
 Dibromofluoromethane
 Concen: 57.495 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065311.D
 Acq: 25 Feb 2020 16:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	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

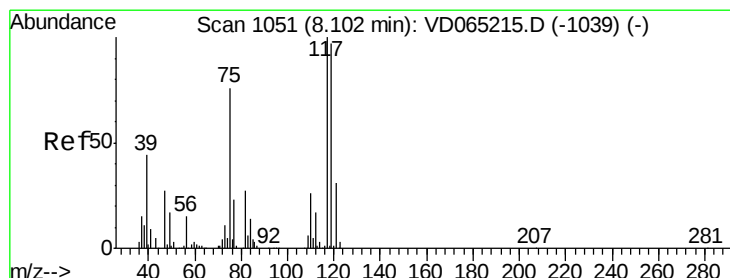
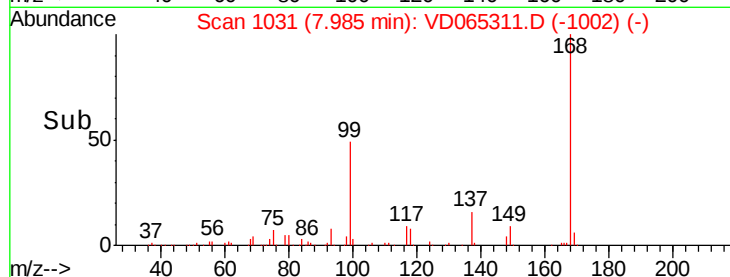
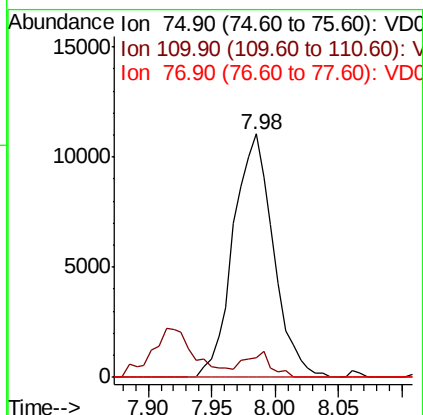
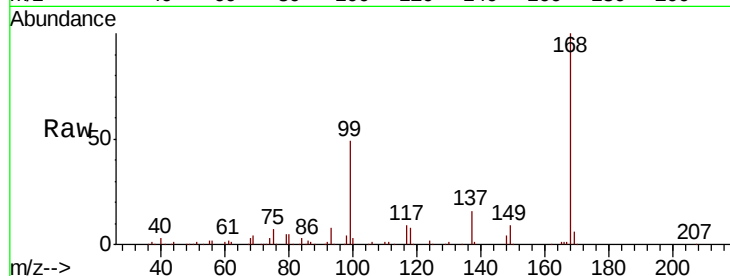




#36
 1,1-Dichloropropene
 Concen: 4.399 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065311.D
 Acq: 25 Feb 2020 16:28

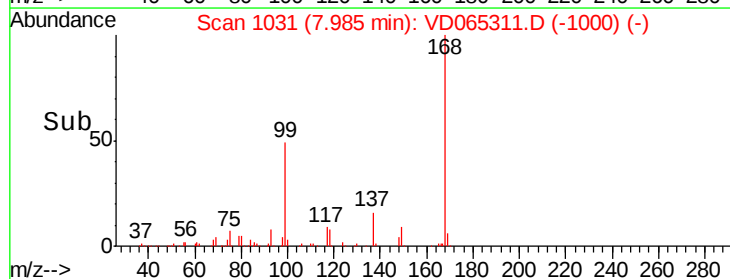
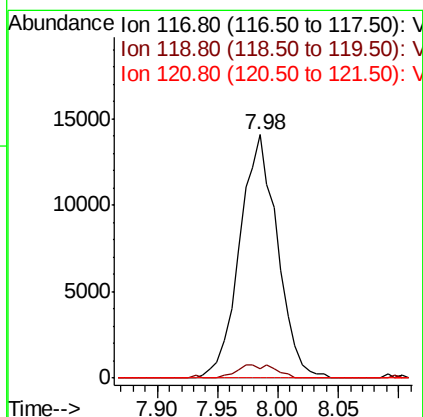
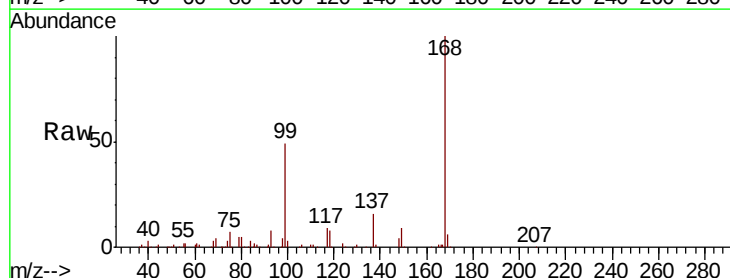
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 24191
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.9 53.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.470 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065311.D
 Acq: 25 Feb 2020 16:28

Tgt Ion: 117 Resp: 30618
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.6 116.4#
 121 0.0 24.8 37.2#

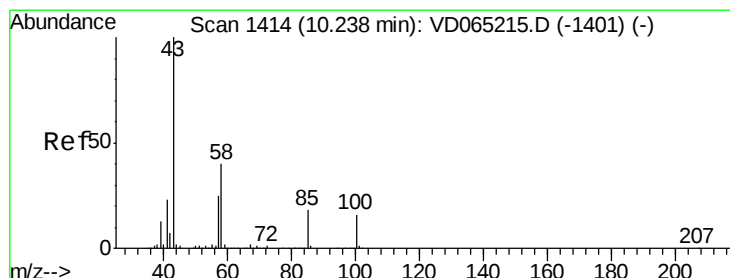
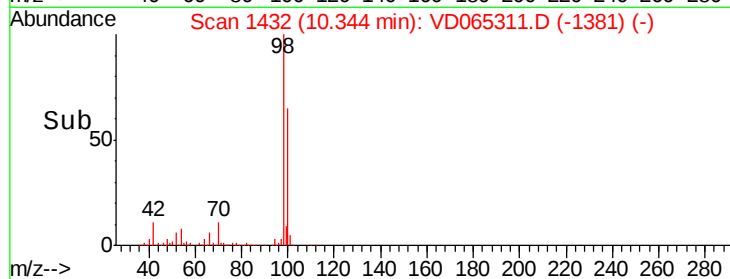
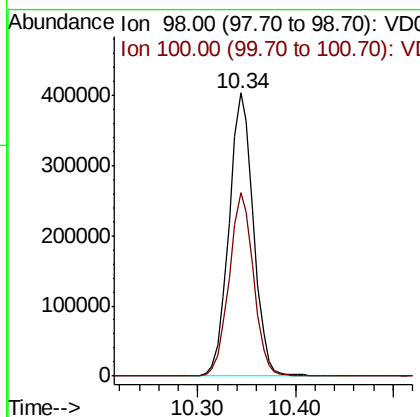
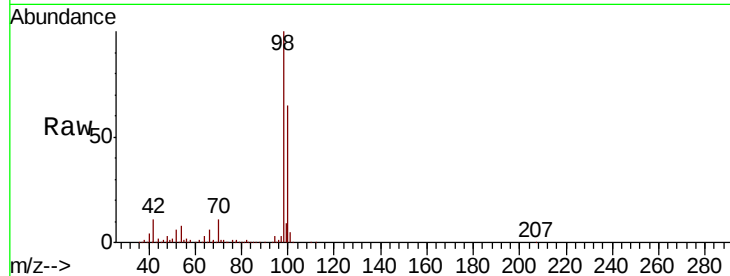




#50
Toluene-d8
Concen: 52.973 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065311.D
Acq: 25 Feb 2020 16:28

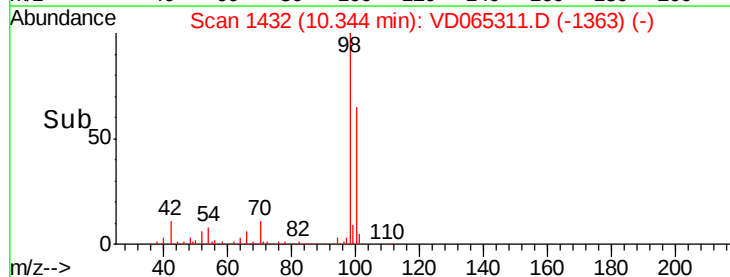
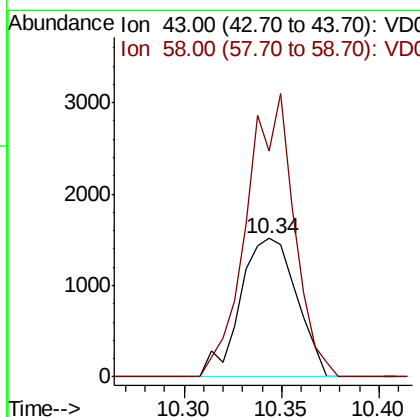
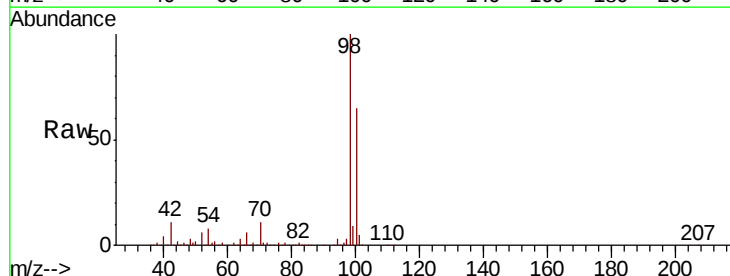
Instrument :
MSVOA_D
ClientSampleId :

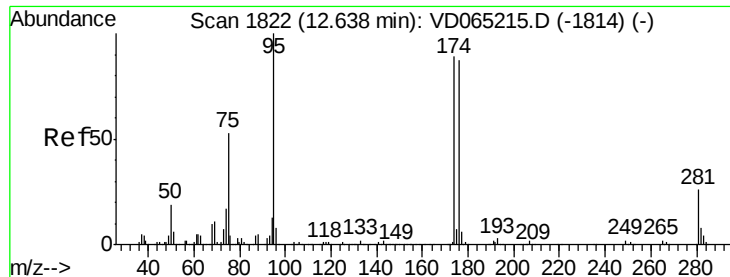
Tot Ion: 98 Resp: 697803
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.428 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065311.D
Acq: 25 Feb 2020 16:28

Tgt Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 173.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 49.951 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065311.D

Acq: 25 Feb 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

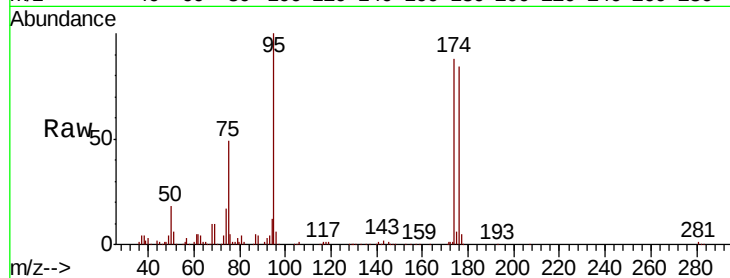
Tot Ion: 95 Resp: 208447

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.0

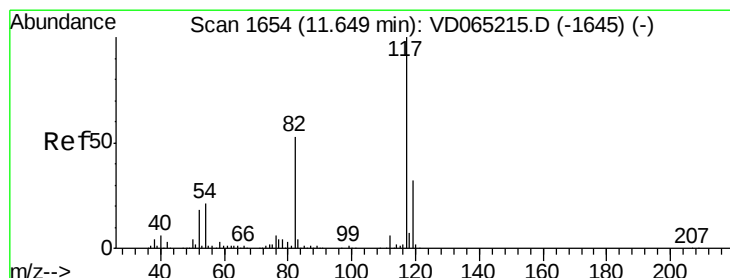
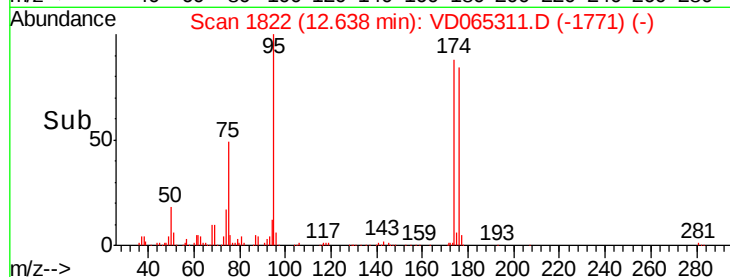
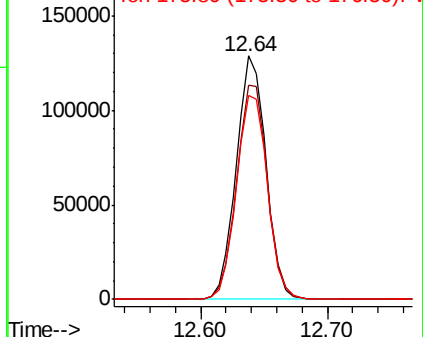
176 87.5 0.0 174.4



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: VD065311.D

Acq: 25 Feb 2020 16:28

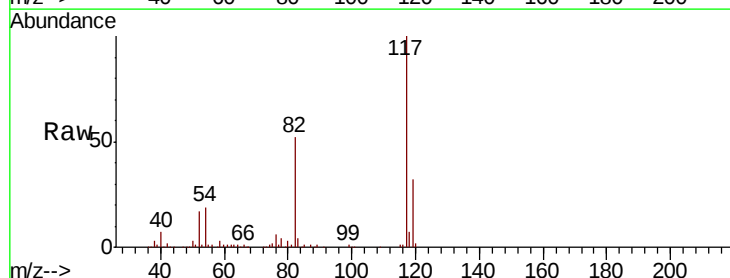
Tgt Ion: 117 Resp: 543634

Ion Ratio Lower Upper

117 100

82 52.2 42.7 64.1

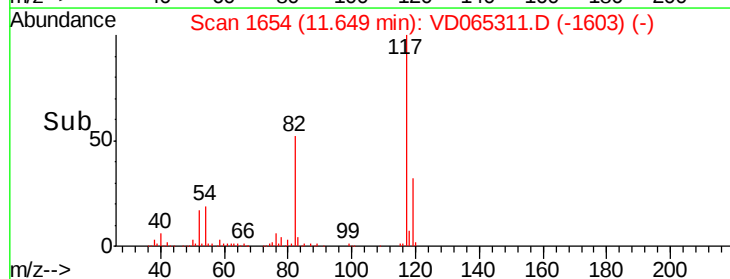
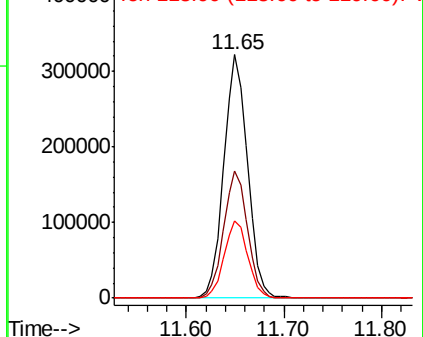
119 31.7 25.5 38.3

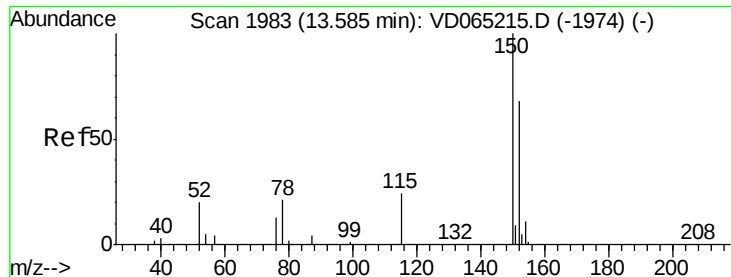


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065311.D

Acq: 25 Feb 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

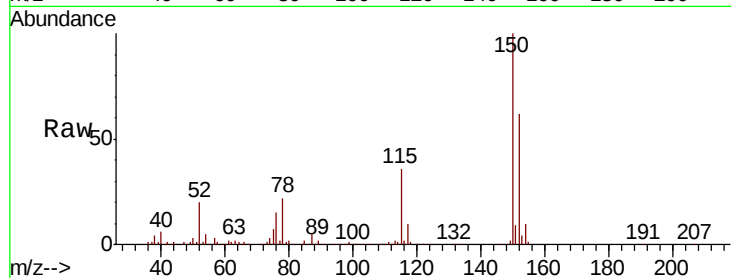
Tot Ion:152 Resp: 230902

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.8

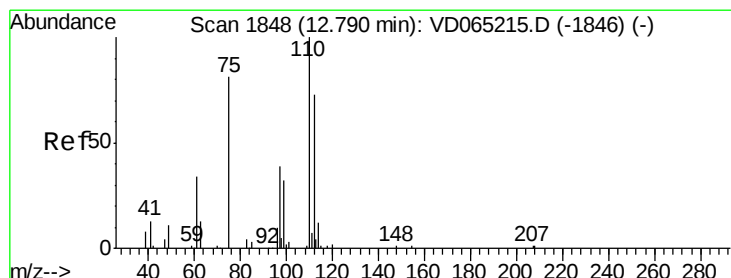
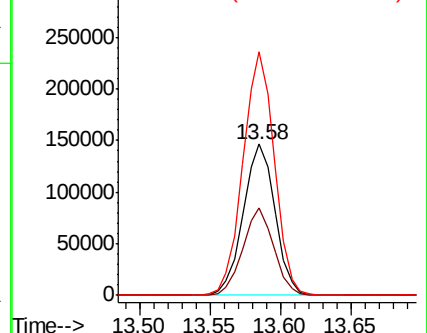
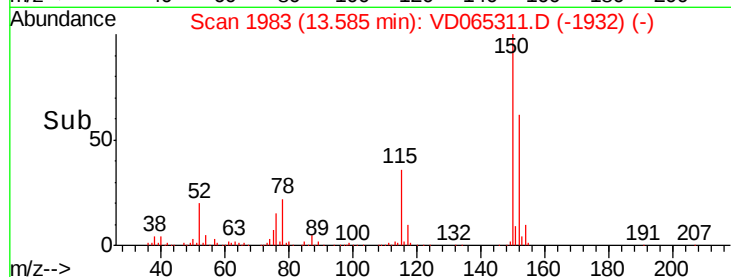
150 158.9 0.0 347.4



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: 52.033 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065311.D

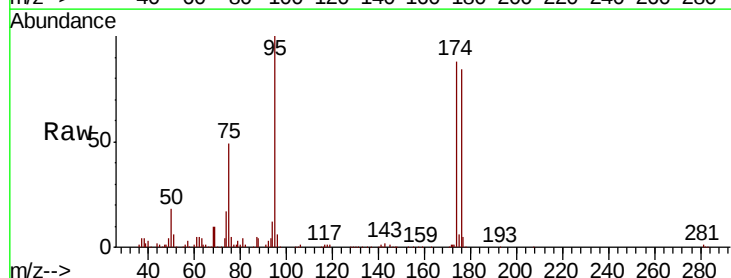
Acq: 25 Feb 2020 16:28

Tgt Ion: 75 Resp: 102223

Ion Ratio Lower Upper

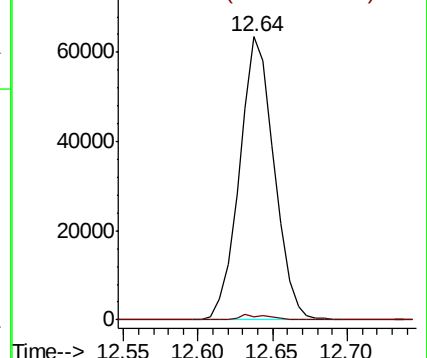
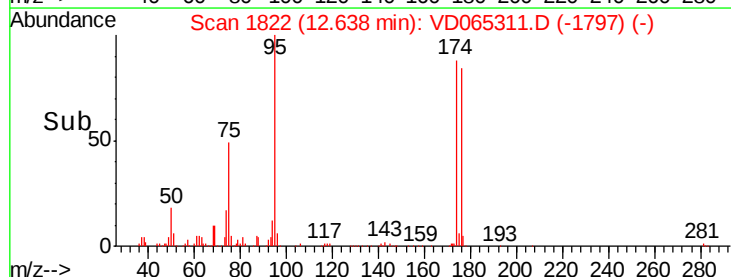
75 100

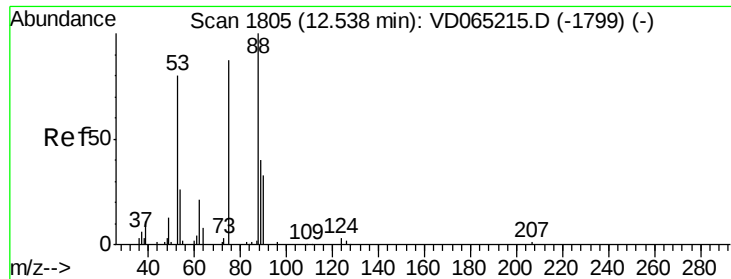
77 1.5 0.0 0.0#



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: 112.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065311.D

Acq: 25 Feb 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

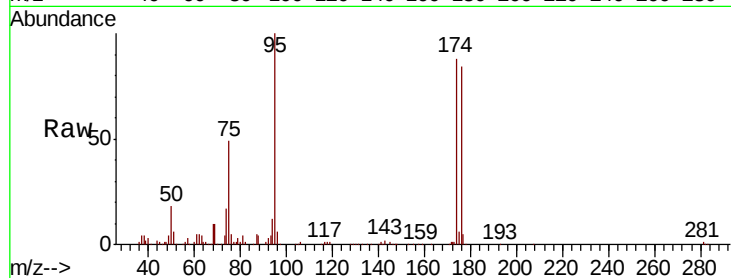
Tot Ion: 75 Resp: 102223

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

