

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065395.D
 Acq On : 03 Mar 2020 15:34
 Operator : VA/SY
 Sample : L1774-01
 Misc : 7.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:53:14 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

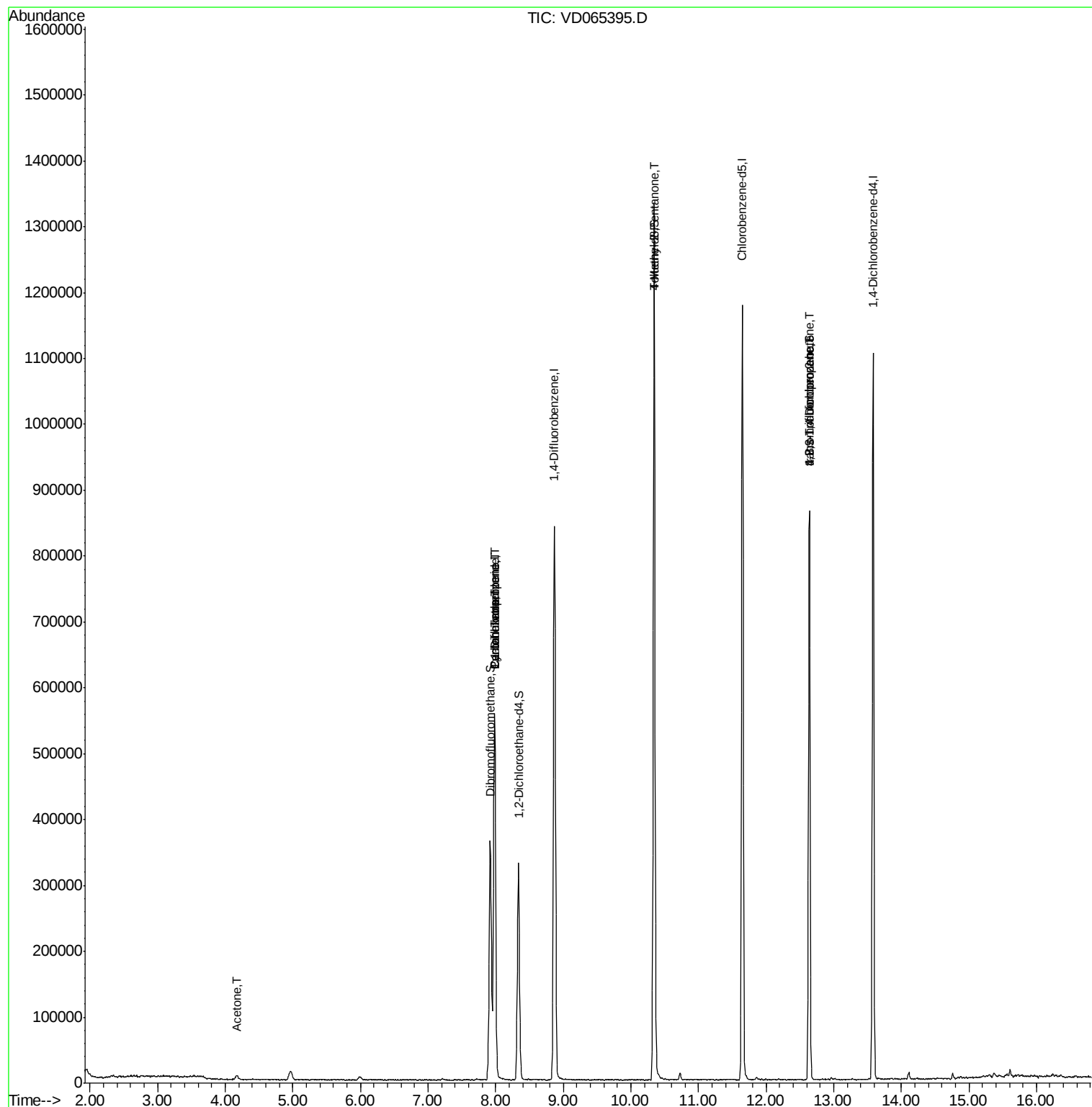
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	435293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	702013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	255295	65.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.38%	
35) Dibromofluoromethane	7.92	113	254979	55.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.74%	
50) Toluene-d8	10.34	98	919080	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.64	95	277201	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
Target Compounds						
					Qvalue	
13) Acrolein	3.65	56	72	Below Cal	#	14
16) Acetone	4.17	43	10716	11.195	ug/l	91
20) Methylene Chloride	4.96	84	11235	Below Cal	#	74
31) Cyclohexane	7.98	56	8579	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30929	4.209	ug/l #	49
38) Carbon Tetrachloride	7.98	117	40679	5.438	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	3678	1.296	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	133871	50.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133871	109.555	ug/l #	11

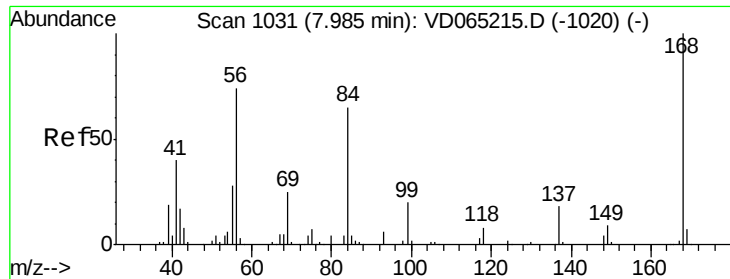
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

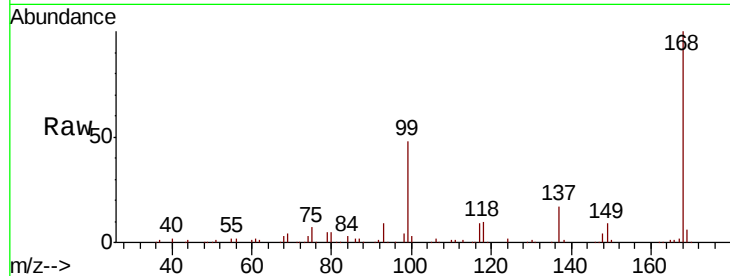
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 435293

Ion Ratio Lower Upper

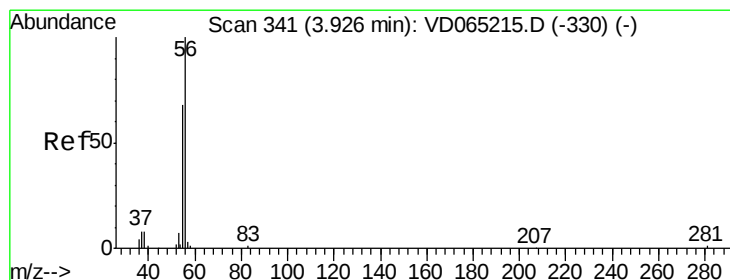
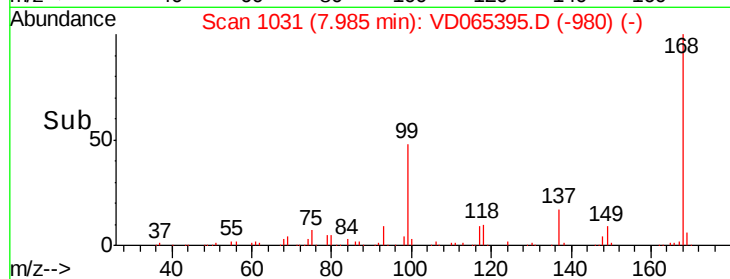
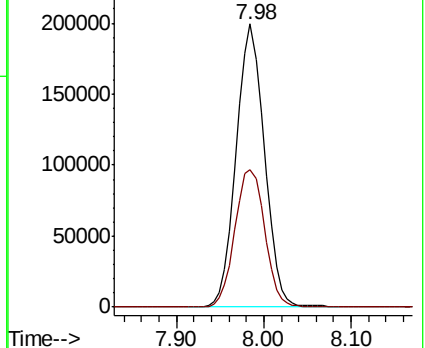
168 100

99 48.4 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: 3.65 min Scan# 294

Delta R.T. -0.28 min

Lab File: VD065395.D

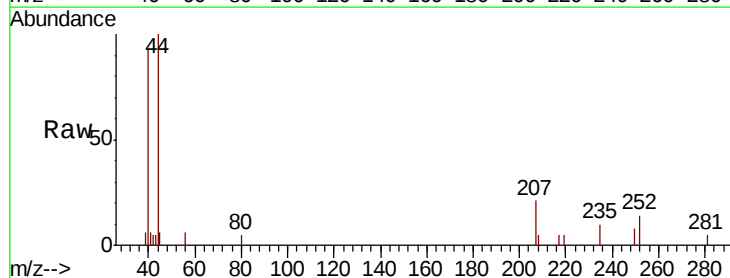
Acq: 03 Mar 2020 15:34

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

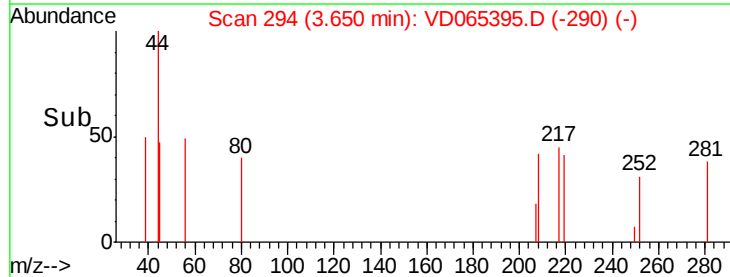
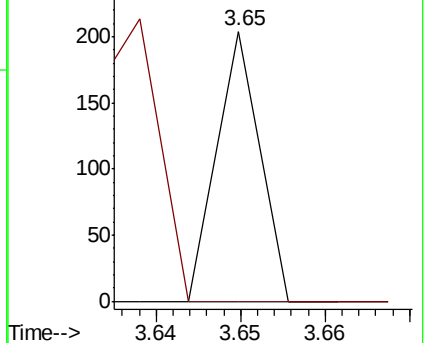
56 100

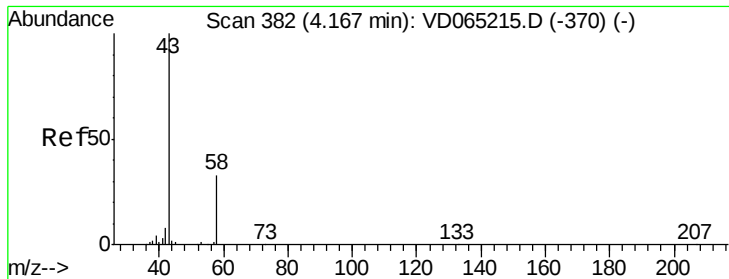
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 11.195 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Instrument :

MSVOA_D

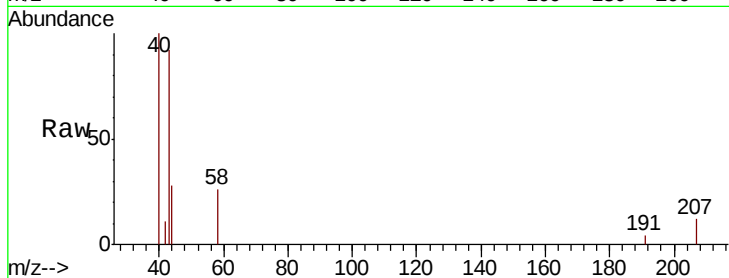
ClientSampleId :

Tot Ion: 43 Resp: 10716

Ion Ratio Lower Upper

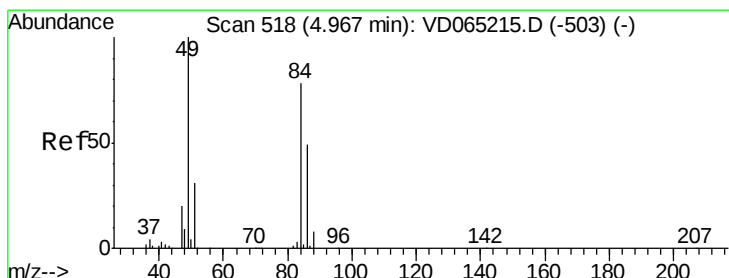
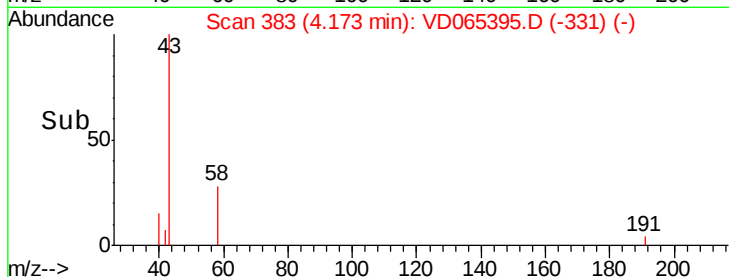
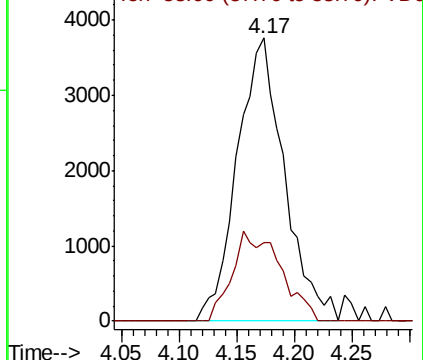
43 100

58 27.9 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: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Tgt Ion: 84 Resp: 11235

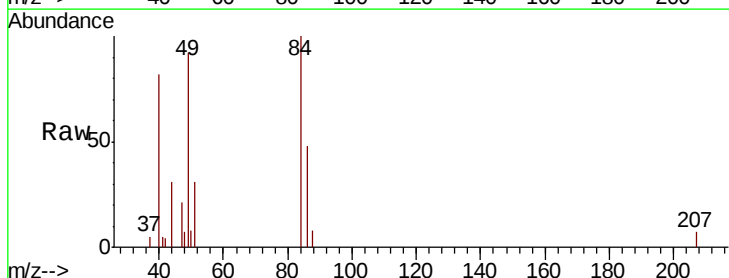
Ion Ratio Lower Upper

84 100

49 92.2 103.1 154.7#

51 30.8 31.7 47.5#

86 47.7 50.9 76.3#

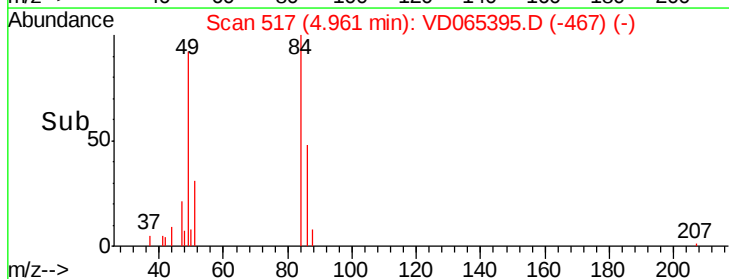
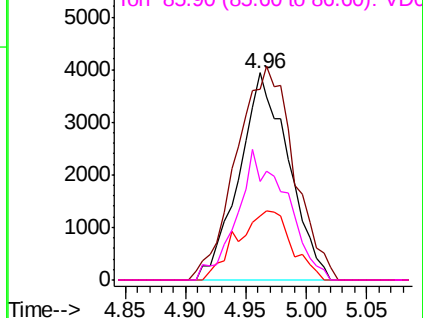


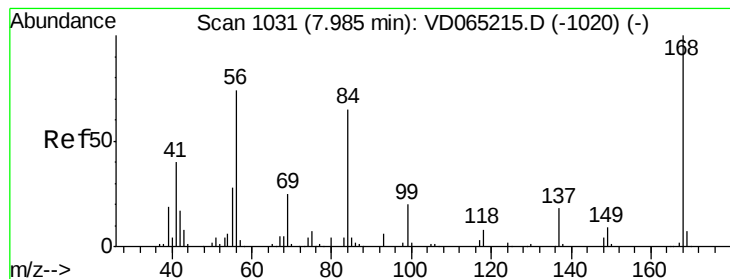
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.114 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

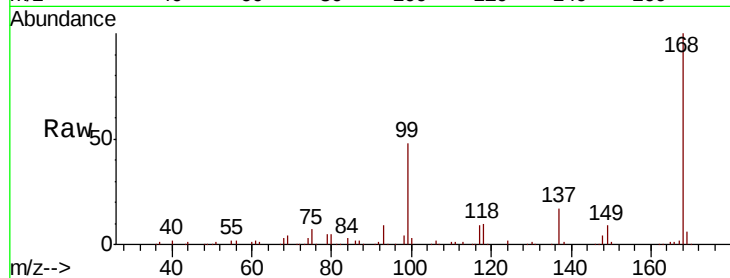
Tot Ion: 56 Resp: 8579

Ion Ratio Lower Upper

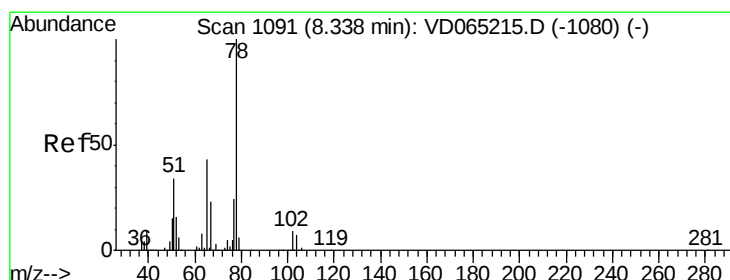
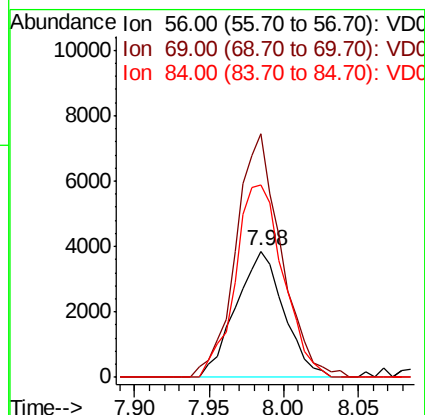
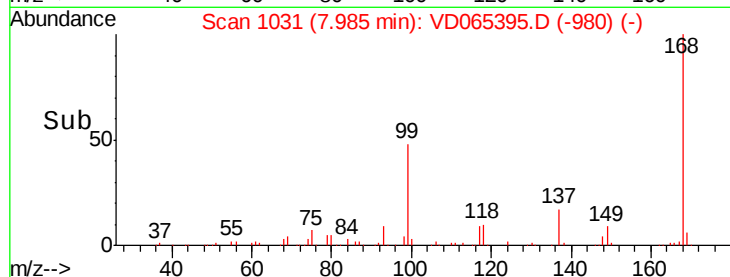
56 100

69 192.6 27.4 41.0#

84 152.6 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: 65.194 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065395.D

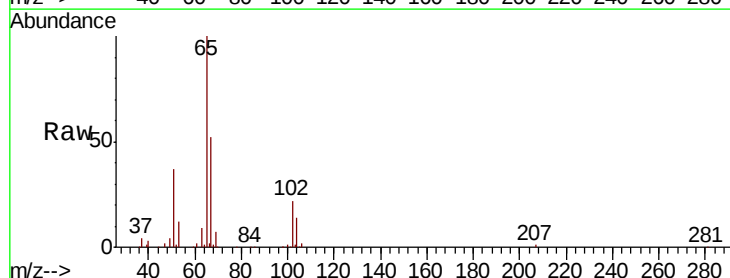
Acq: 03 Mar 2020 15:34

Tgt Ion: 65 Resp: 255295

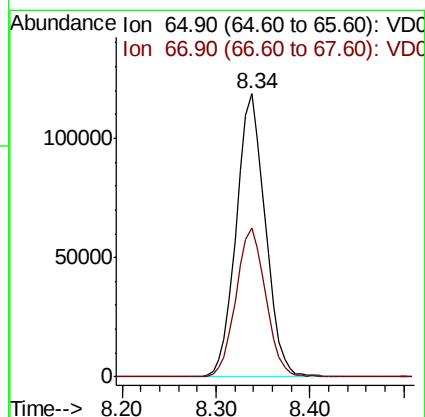
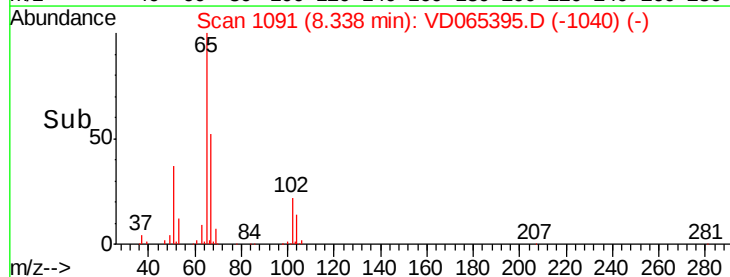
Ion Ratio Lower Upper

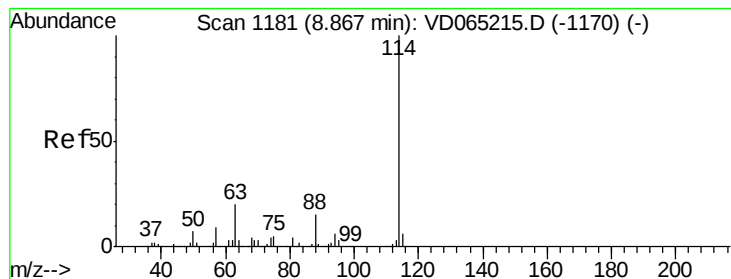
65 100

67 53.7 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# 1181

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

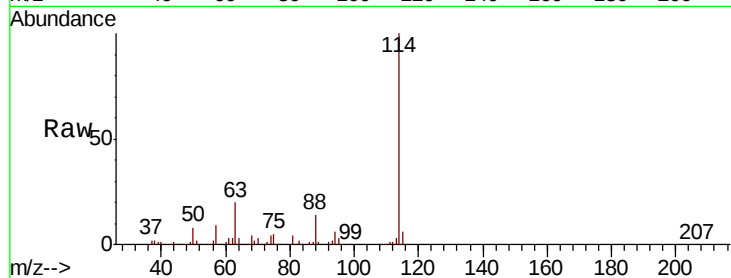
Tot Ion:114 Resp: 755276

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 14.4 0.0 30.4



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

500000

400000

300000

200000

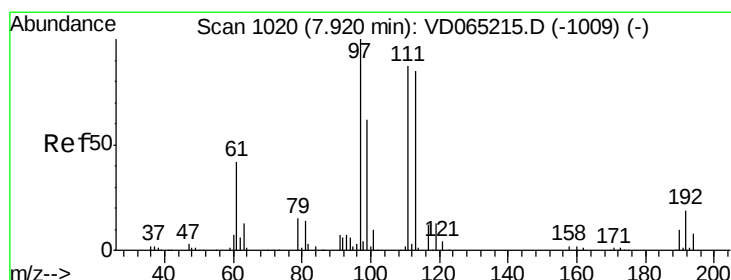
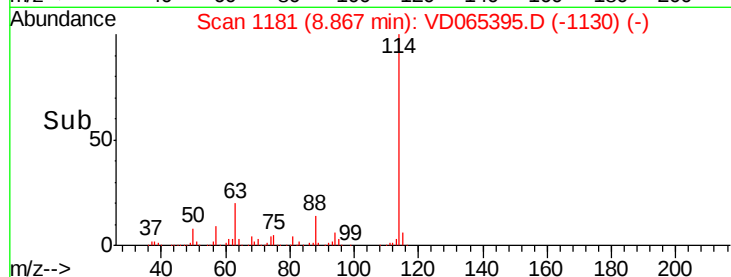
100000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 55.367 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

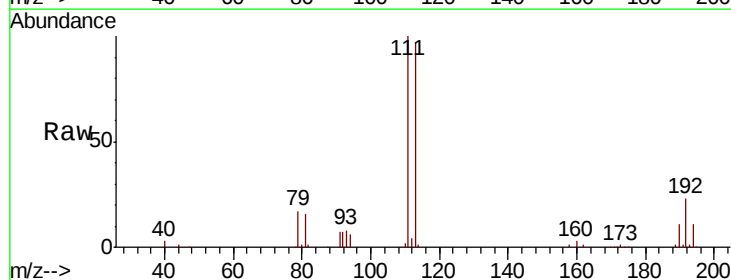
Tgt Ion:113 Resp: 254979

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 22.2 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

150000

100000

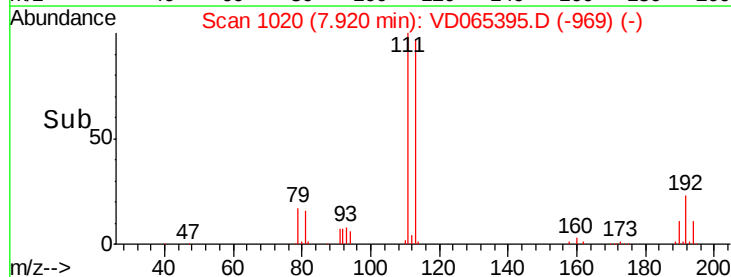
50000

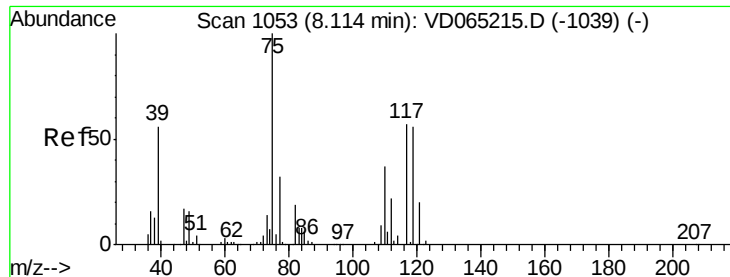
0

7.92

7.80 7.90 8.00 8.10

Time-->

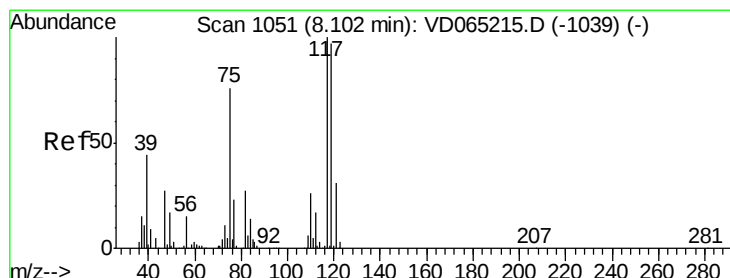
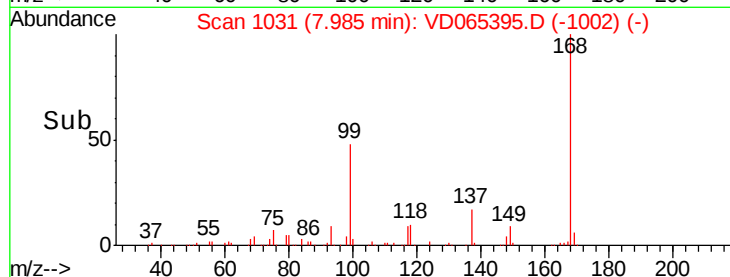
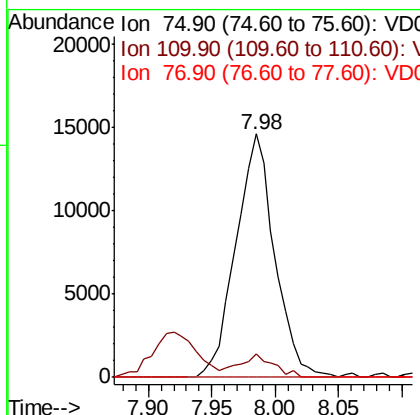
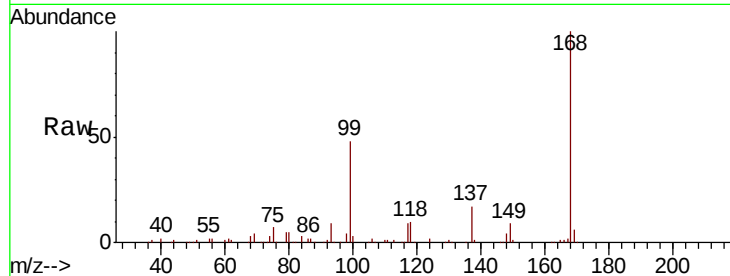




#36
 1,1-Dichloropropene
 Concen: 4.209 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065395.D
 Acq: 03 Mar 2020 15:34

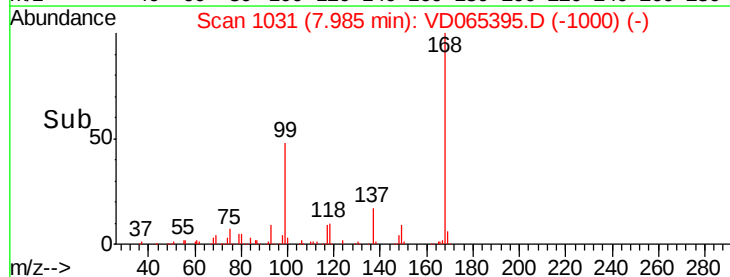
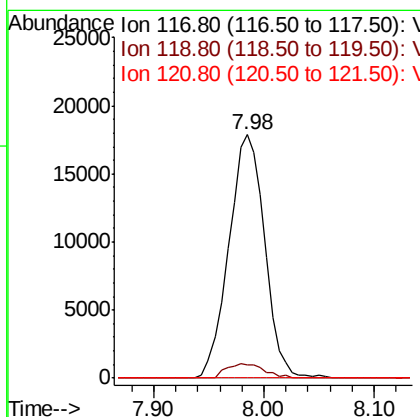
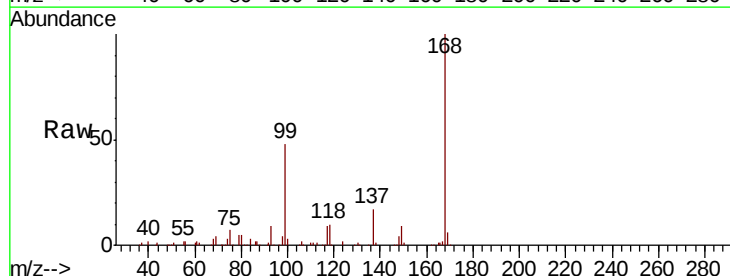
Instrument :
 MSVOA_D
 ClientSampled :

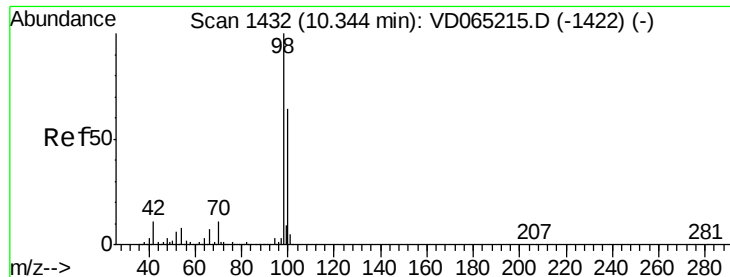
Tot Ion	75	Resp	30929
Ion Ratio	Lower	Upper	
75	100		
110	8.5	17.9	53.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.438 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065395.D
 Acq: 03 Mar 2020 15:34

Tgt Ion	117	Resp	40679
Ion Ratio	Lower	Upper	
117	100		
119	5.5	77.6	116.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 52.205 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Instrument :

MSVOA_D

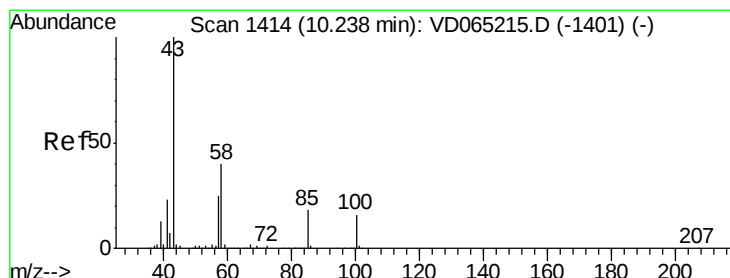
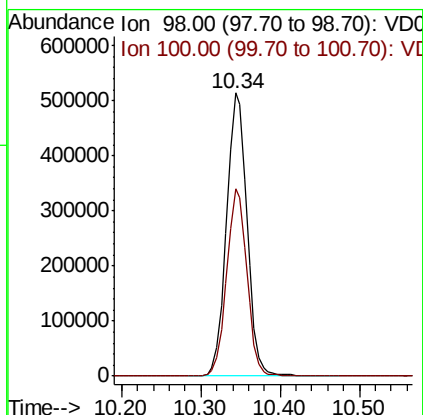
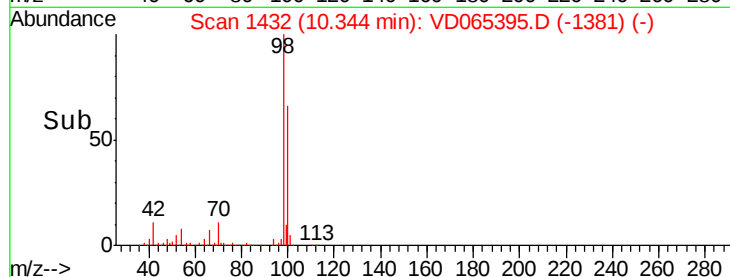
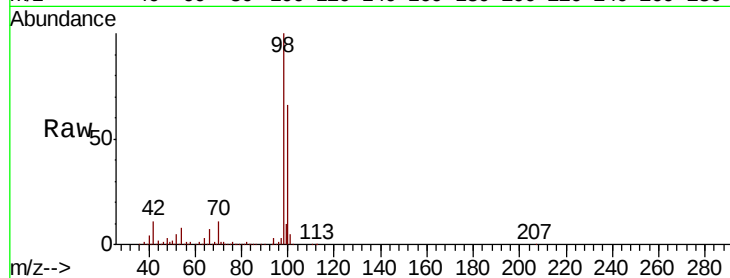
ClientSampleId :

Tot Ion: 98 Resp: 919080

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.296 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VD065395.D

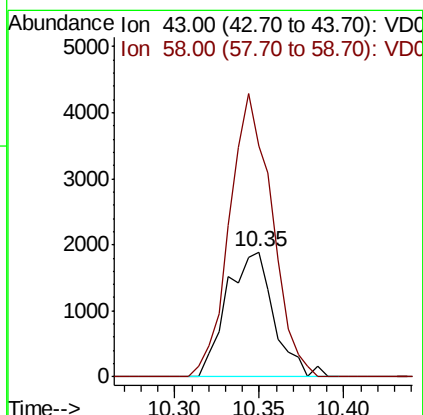
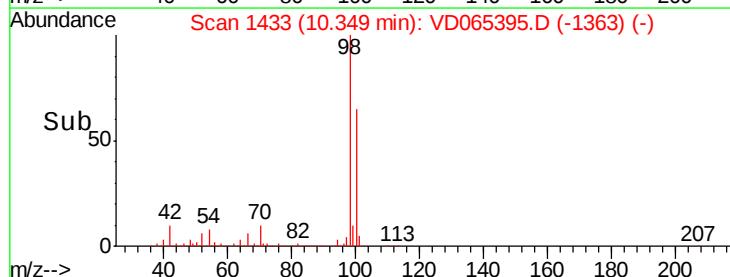
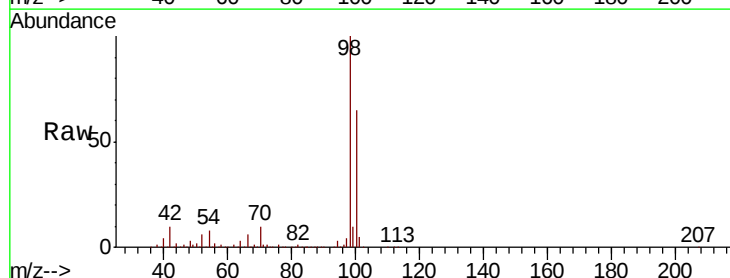
Acq: 03 Mar 2020 15:34

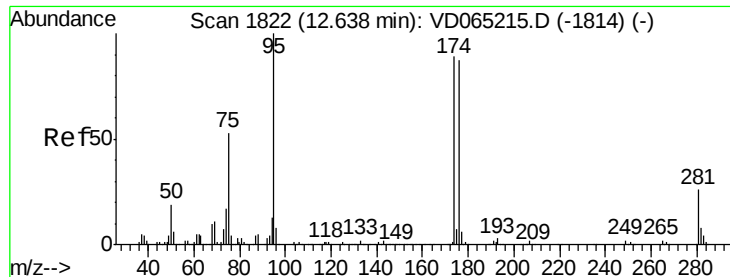
Tgt Ion: 43 Resp: 3678

Ion Ratio Lower Upper

43 100

58 203.9 31.1 46.7#

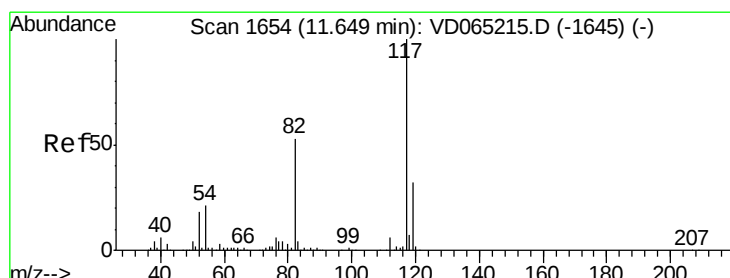
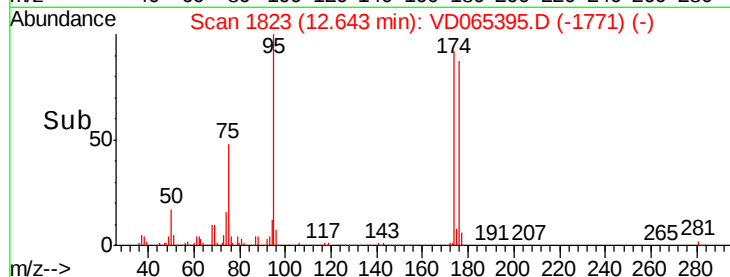
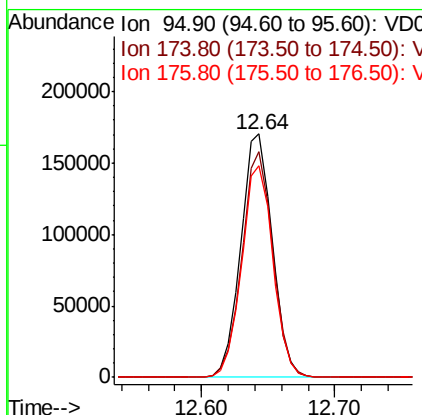
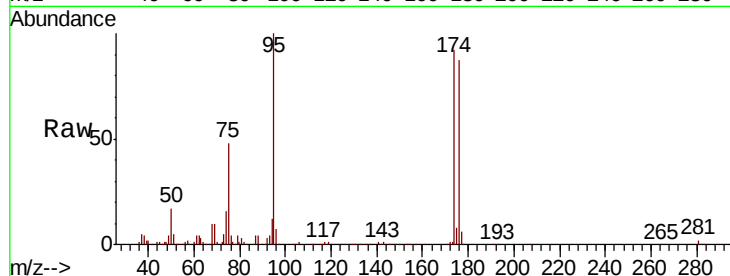




#62
4-Bromofluorobenzene
Concen: 49.702 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065395.D
Acq: 03 Mar 2020 15:34

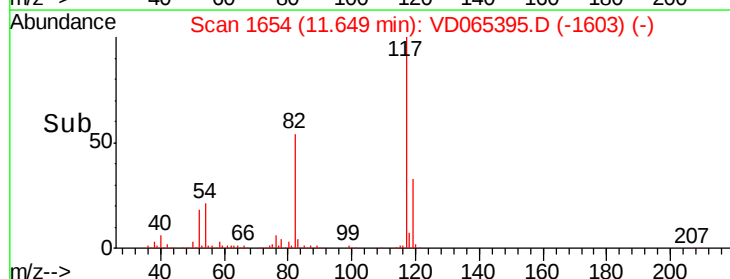
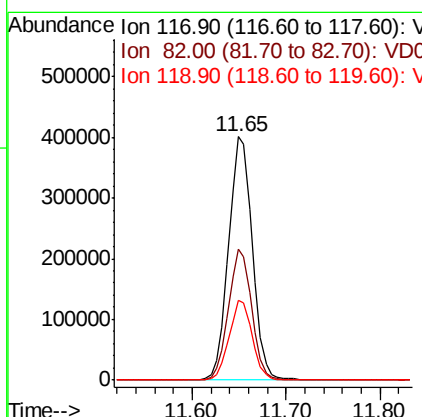
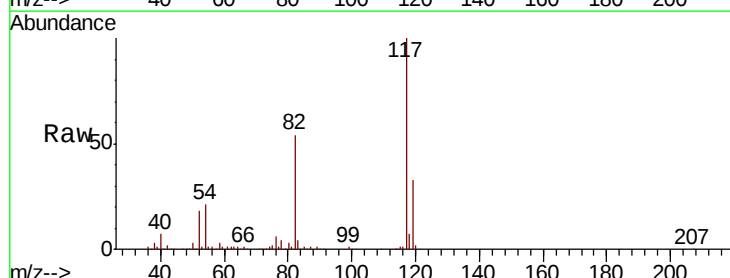
Instrument :
MSVOA_D
ClientSampleId :

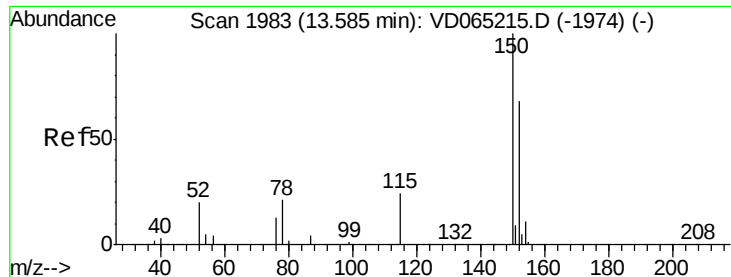
Tot Ion: 95 Resp: 277201
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.0
176 86.5 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065395.D
Acq: 03 Mar 2020 15:34

Tgt Ion: 117 Resp: 702013
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065395.D

Acq: 03 Mar 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

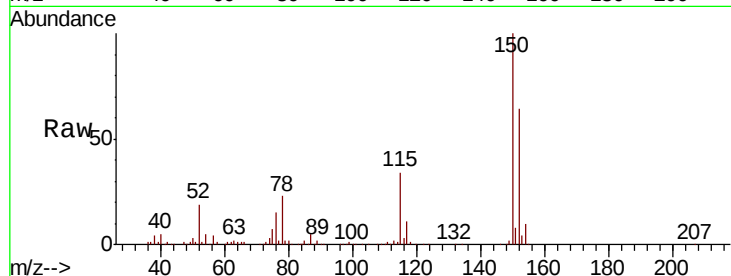
Tot Ion:152 Resp: 310100

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

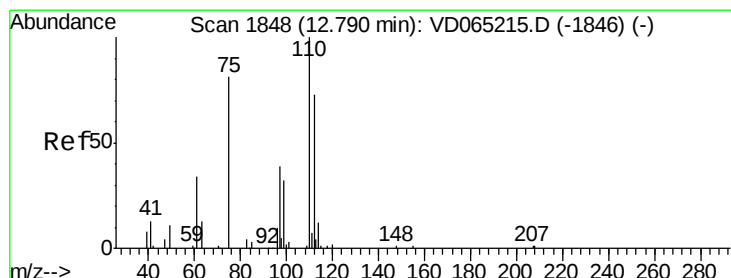
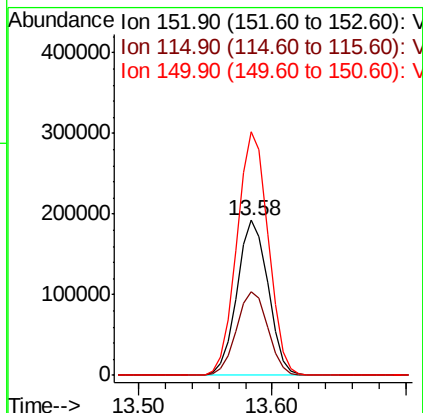
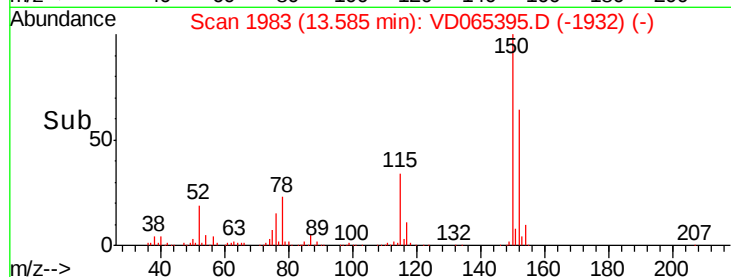
150 158.5 0.0 347.4



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: 50.739 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065395.D

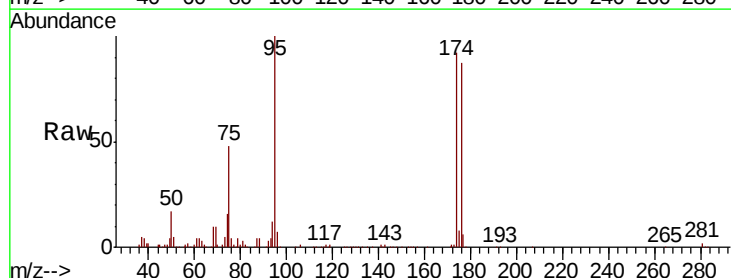
Acq: 03 Mar 2020 15:34

Tgt Ion: 75 Resp: 133871

Ion Ratio Lower Upper

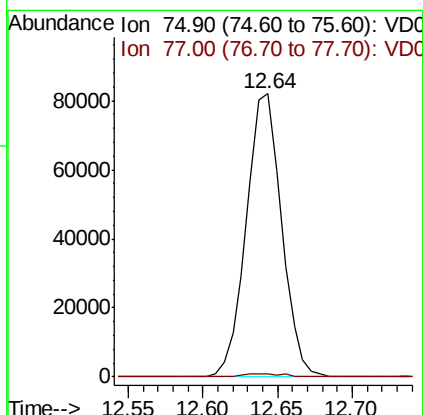
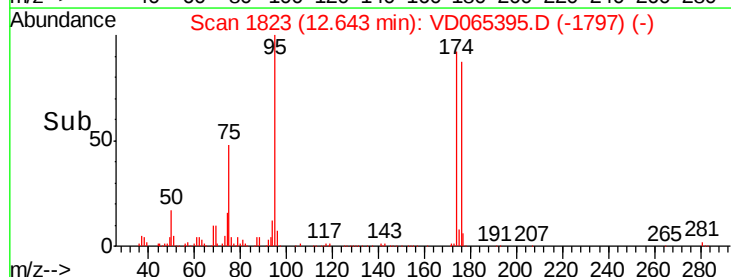
75 100

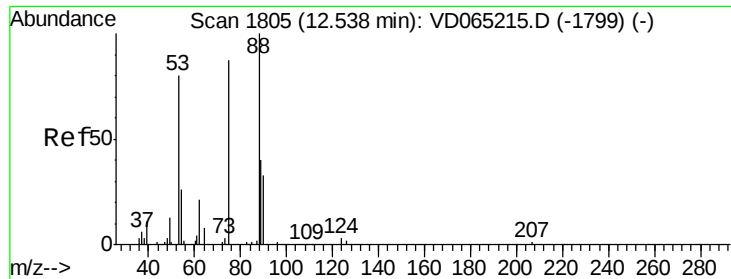
77 1.4 0.0 0.0#



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: 109.555 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065395.D
Acq: 03 Mar 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 133871
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.1 37.2 55.8#

