

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065344.D
 Acq On : 27 Feb 2020 14:58
 Operator : VA/SY
 Sample : L1718-07
 Misc : 6.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:35:41 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

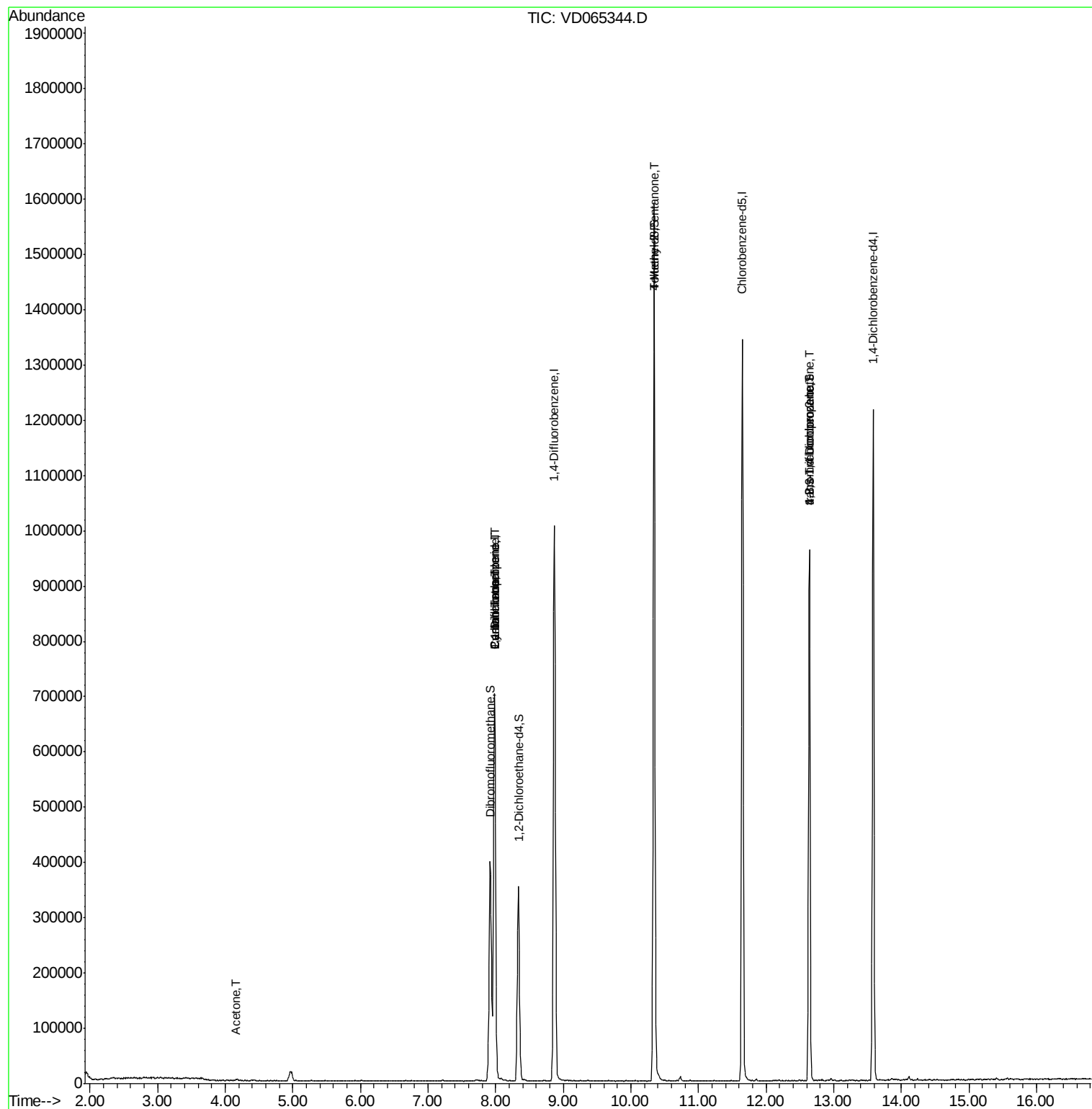
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	539130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	896009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	795049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	342520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	278516	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	7.92	113	284997	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.34	98	1067600	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.64	95	314995	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
Target Compounds						
13) Acrolein	3.67	56	78	Below Cal	#	14
16) Acetone	4.16	43	4741	3.999	ug/l	89
20) Methylene Chloride	4.97	84	13566	Below Cal		87
31) Cyclohexane	7.99	56	10522	1.103	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	37875	4.344	ug/l #	49
38) Carbon Tetrachloride	7.98	117	49882	5.620	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4432	1.317	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	153098	52.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153098	113.430	ug/l #	11

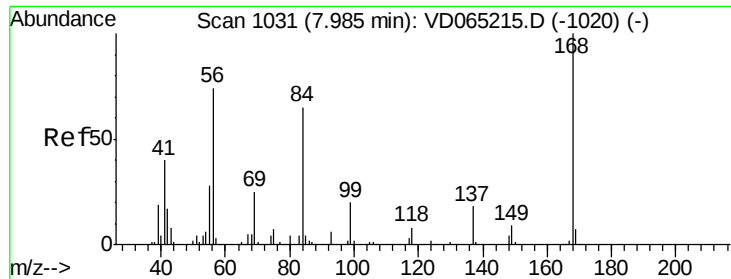
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065344.D

Acq: 27 Feb 2020 14:58

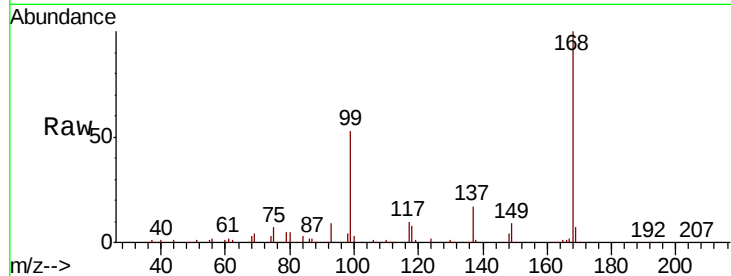
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 539130

Ion Ratio Lower Upper

168 100

99 52.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

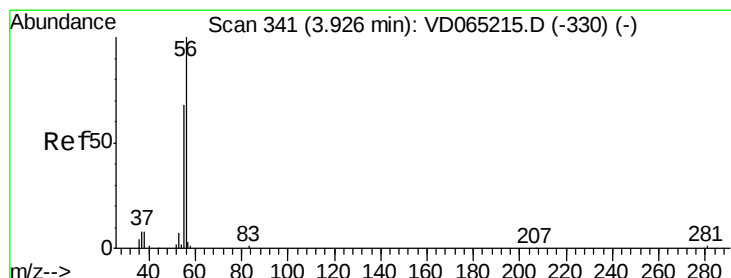
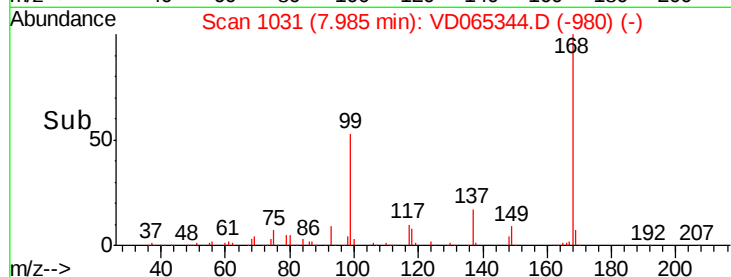
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 297

Delta R.T. -0.26 min

Lab File: VD065344.D

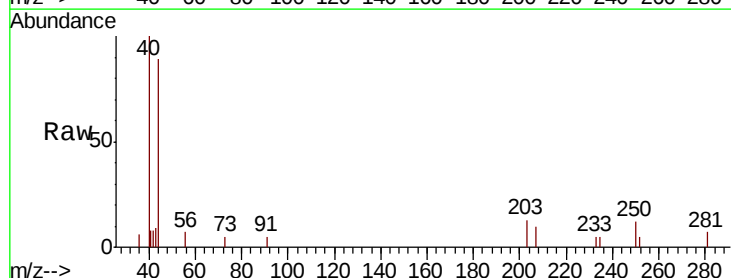
Acq: 27 Feb 2020 14:58

Tgt Ion: 56 Resp: 78

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

3.67

250

200

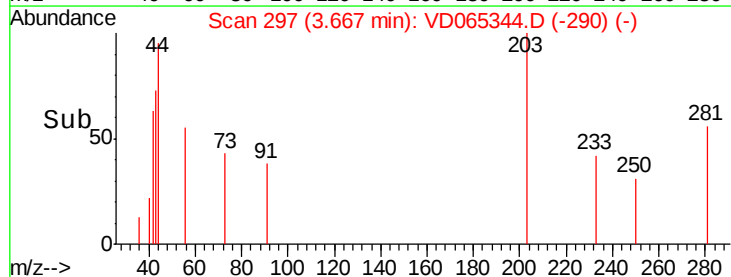
150

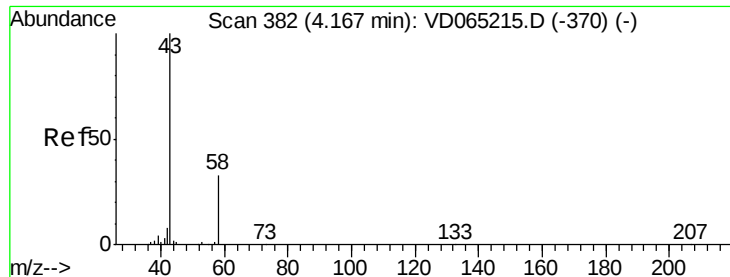
100

50

0

Time-->





#16

Acetone

Concen: 3.999 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065344.D

Acq: 27 Feb 2020 14:58

Instrument :

MSVOA_D

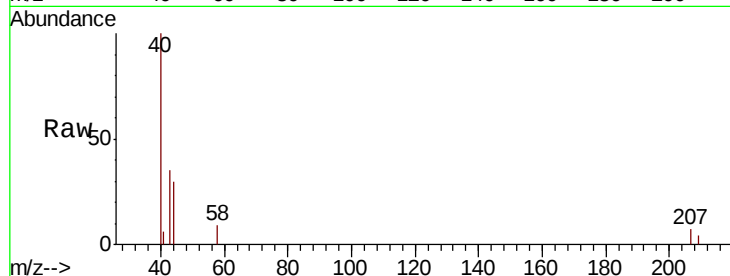
ClientSampleId :

Tot Ion: 43 Resp: 4741

Ion Ratio Lower Upper

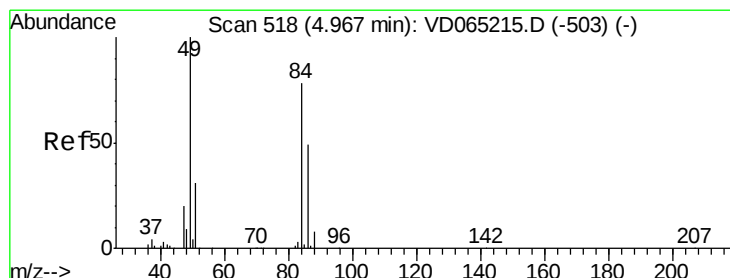
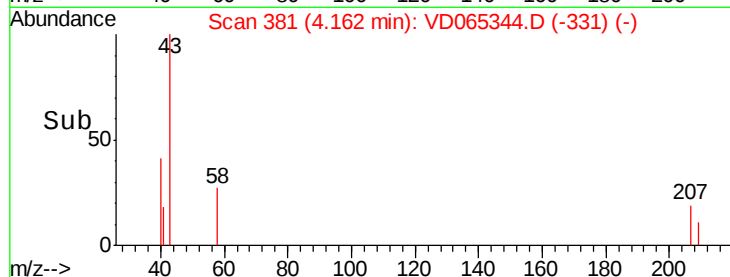
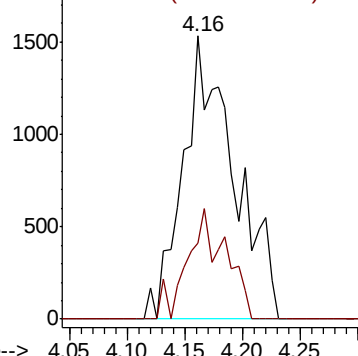
43 100

58 26.8 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: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065344.D

Acq: 27 Feb 2020 14:58

Tgt Ion: 84 Resp: 13566

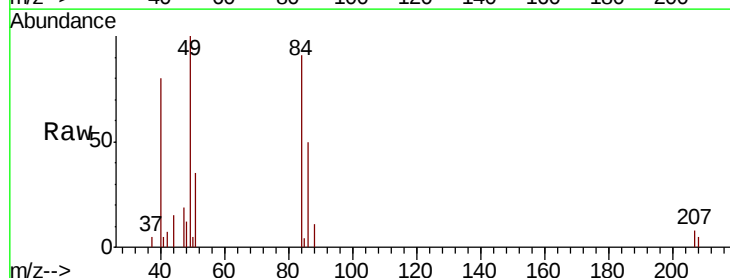
Ion Ratio Lower Upper

84 100

49 109.6 103.1 154.7

51 38.3 31.7 47.5

86 54.7 50.9 76.3

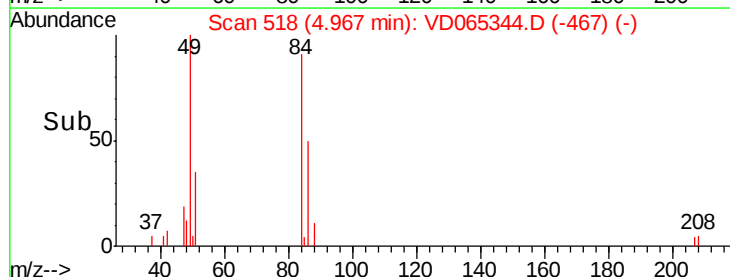
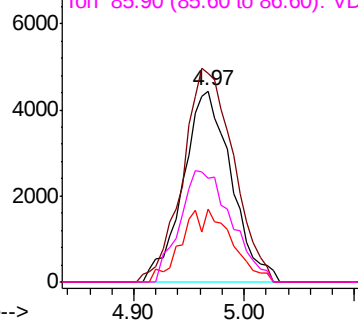


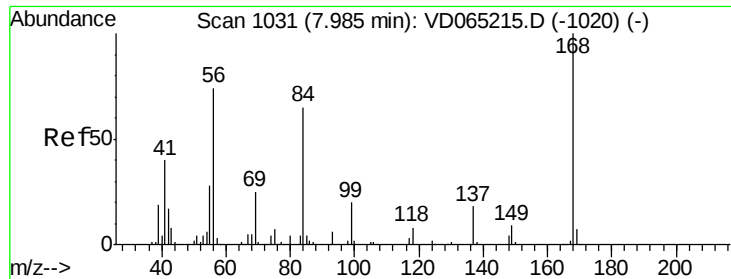
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

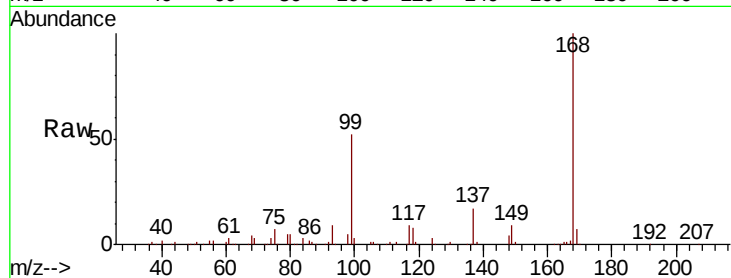




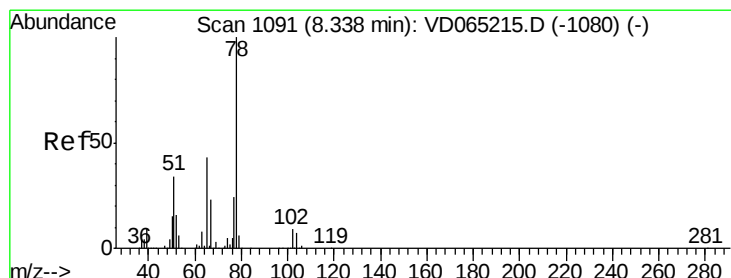
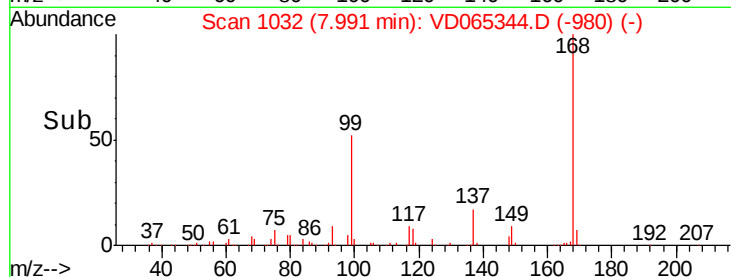
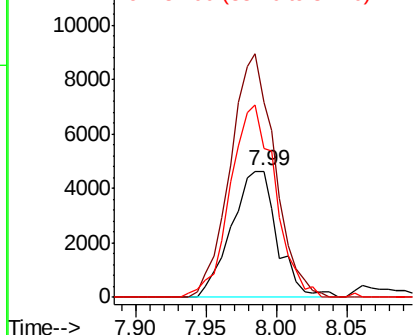
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 10522
Ion Ratio Lower Upper
56 100
69 155.3 27.4 41.0#
84 118.3 71.1 106.7#

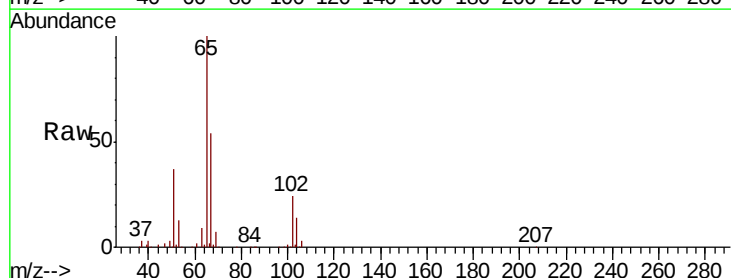


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

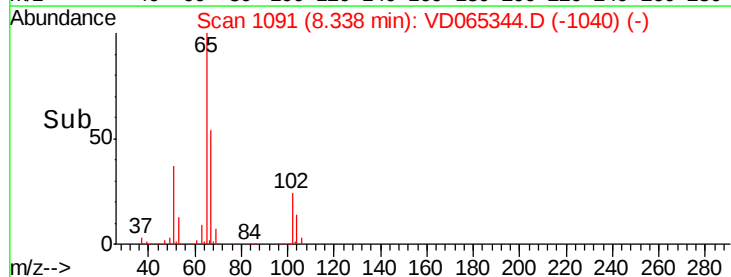
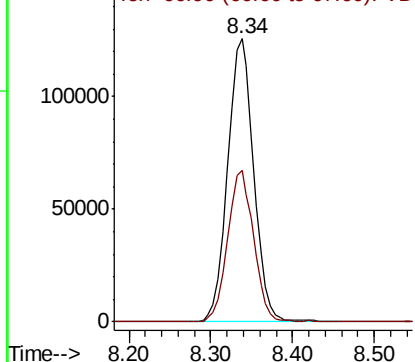


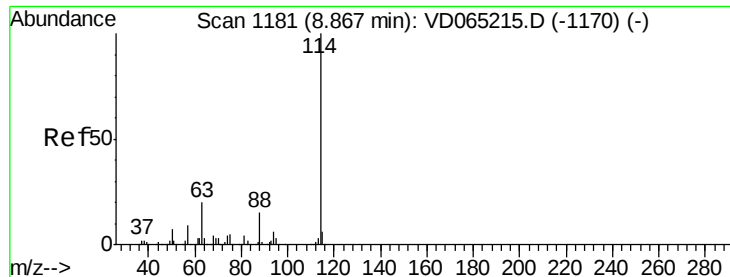
#33
1,2-Dichloroethane-d4
Concen: 57.425 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Tgt Ion: 65 Resp: 278516
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



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

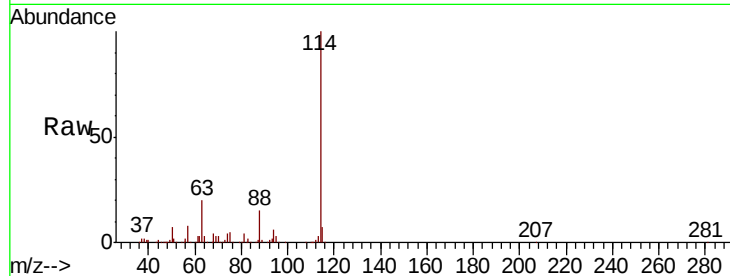




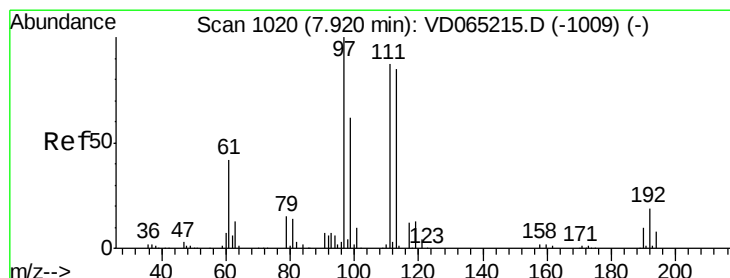
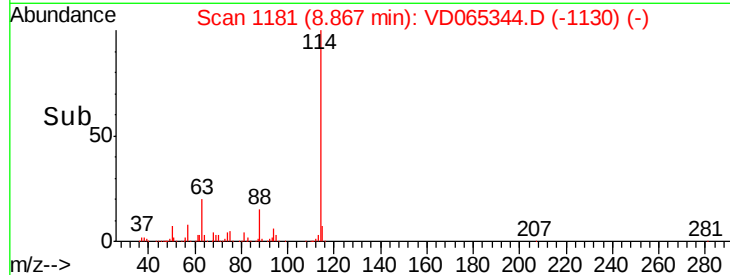
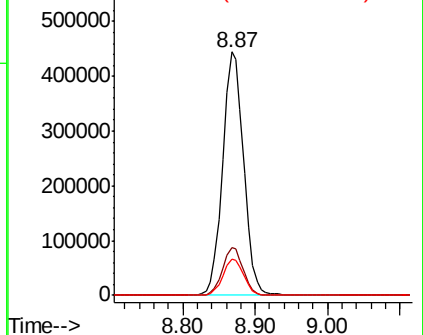
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.4
88	14.7	0.0	30.4

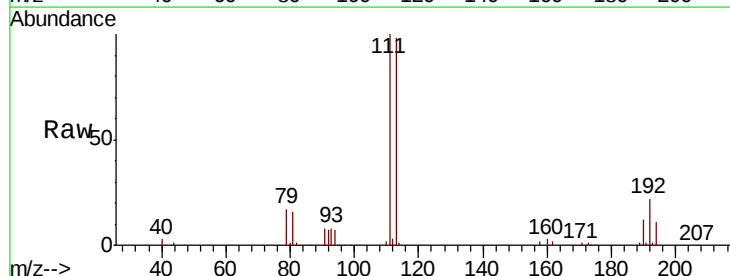


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

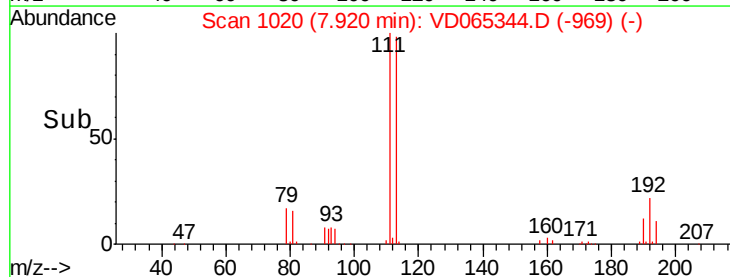
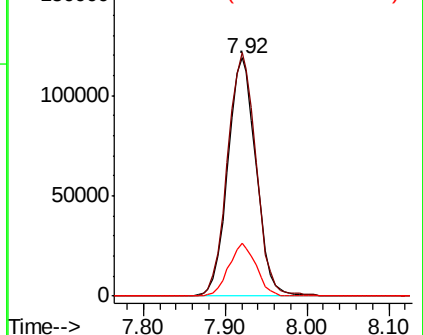


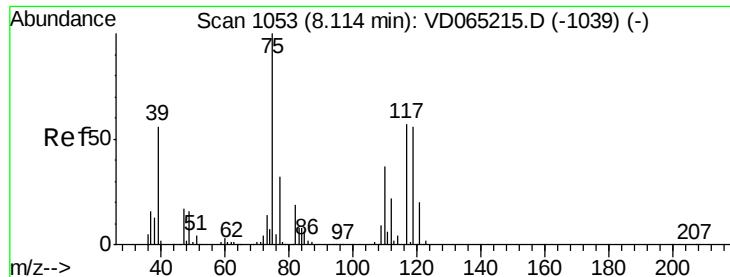
#35
Dibromofluoromethane
Concen: 52.165 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	21.7	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

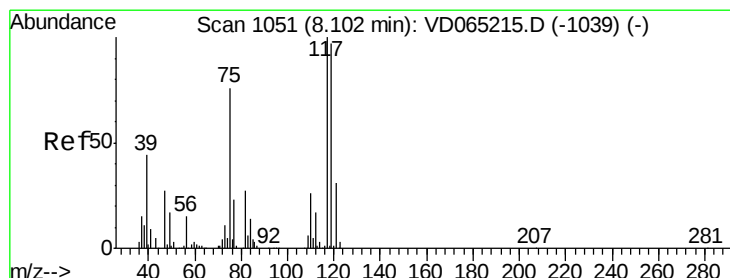
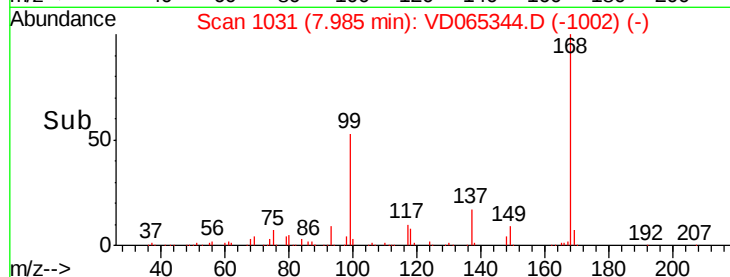
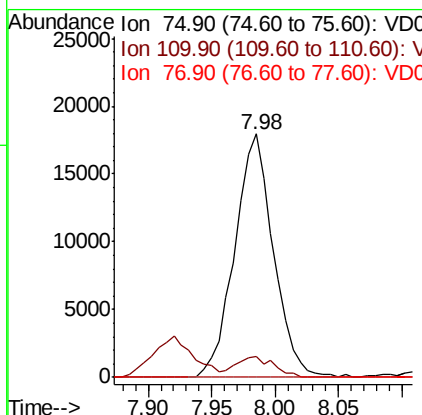
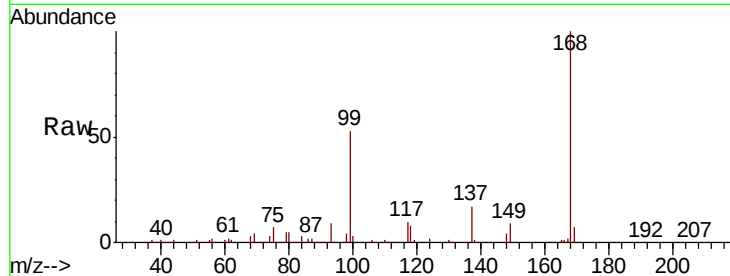




#36
 1,1-Dichloropropene
 Concen: 4.344 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065344.D
 Acq: 27 Feb 2020 14:58

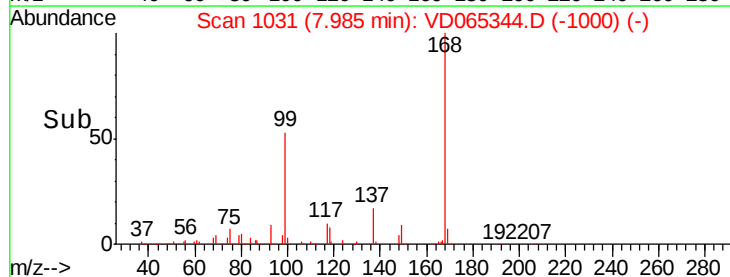
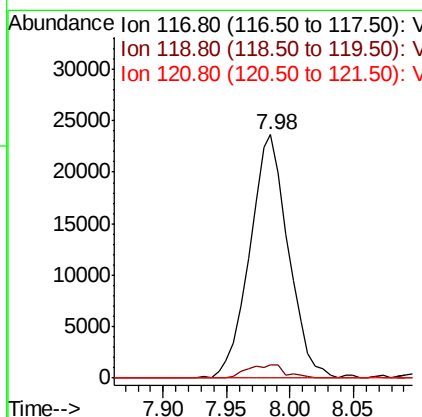
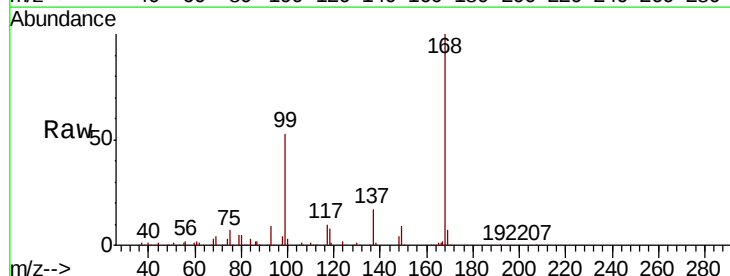
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	75	Resp	37875
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.620 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065344.D
 Acq: 27 Feb 2020 14:58

Tgt Ion	117	Resp	49882
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.6	77.6	116.4#
121	0.0	24.8	37.2#

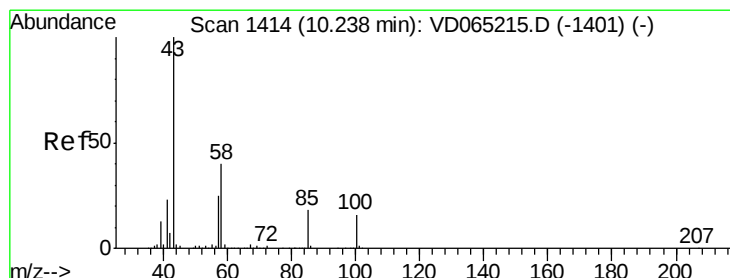
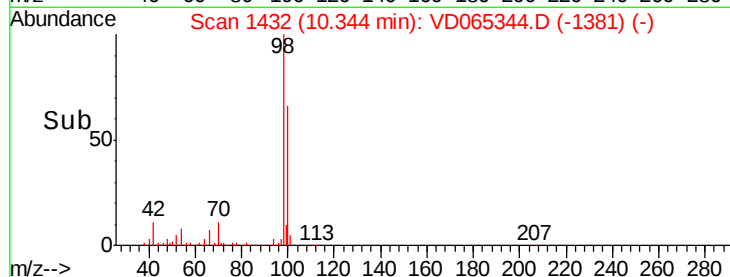
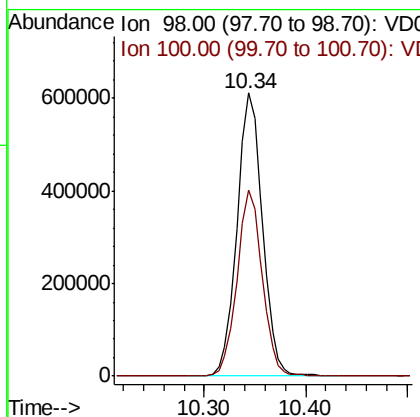
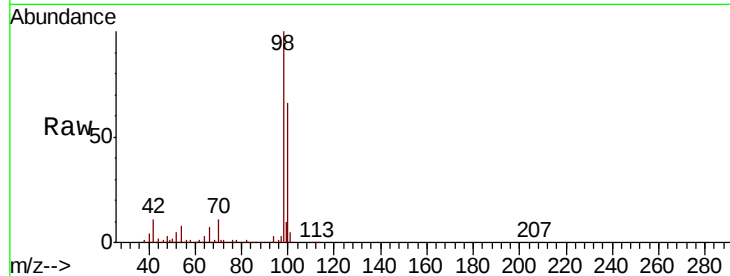




#50
Toluene-d8
Concen: 51.116 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

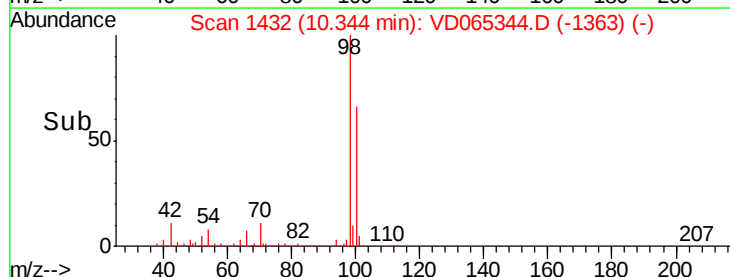
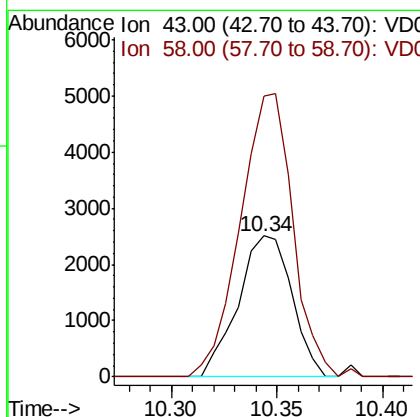
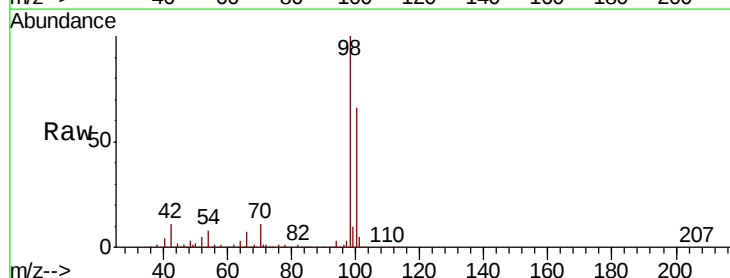
Instrument :
MSVOA_D
ClientSampleId :

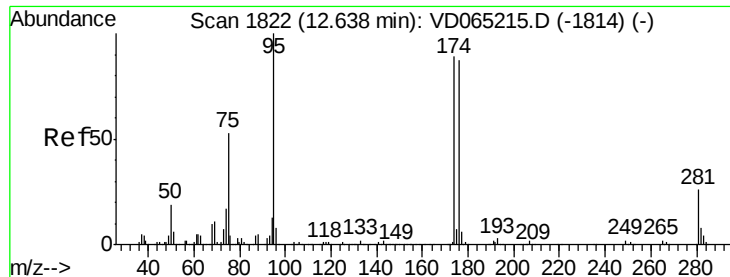
Tot Ion: 98 Resp: 1067600
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.317 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Tgt Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
58 197.4 31.1 46.7#

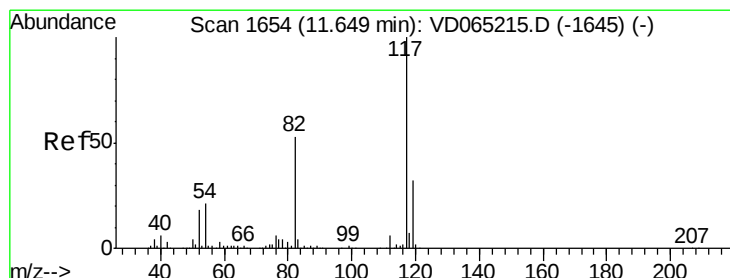
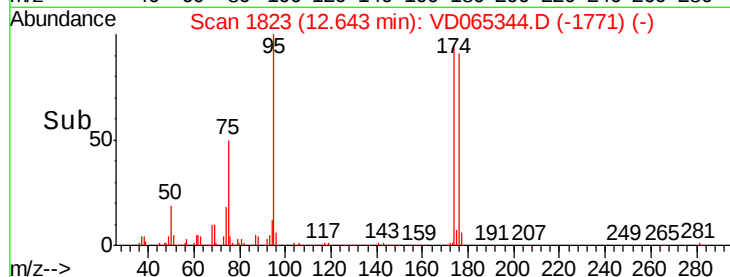
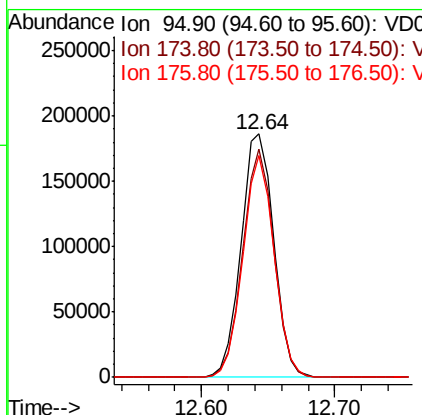
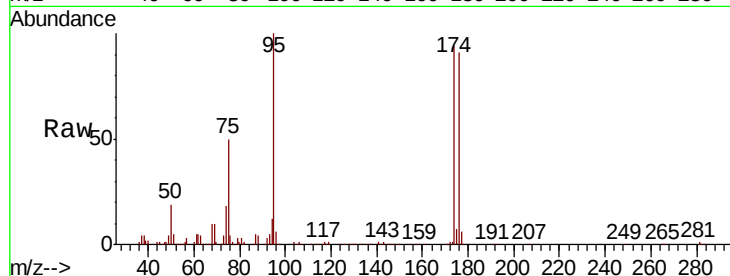




#62
4-Bromofluorobenzene
Concen: 47.608 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

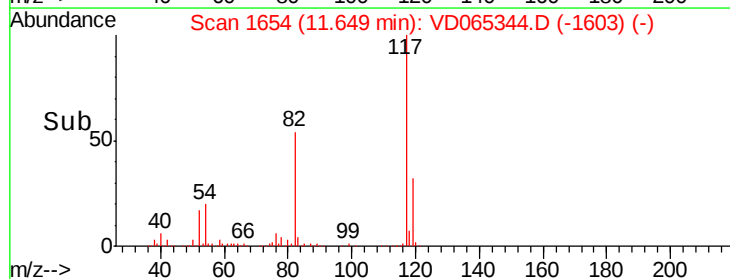
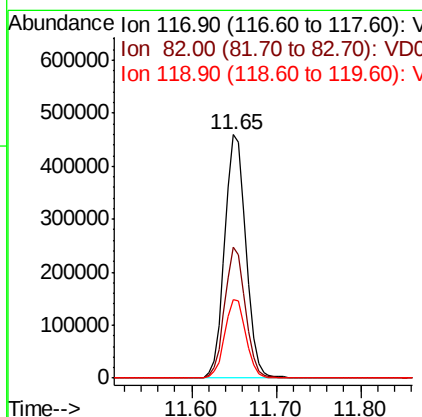
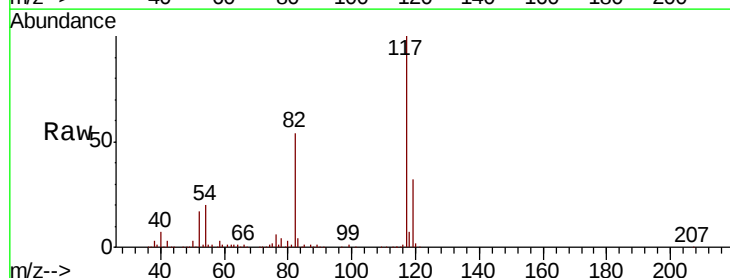
Instrument :
MSVOA_D
ClientSampleId :

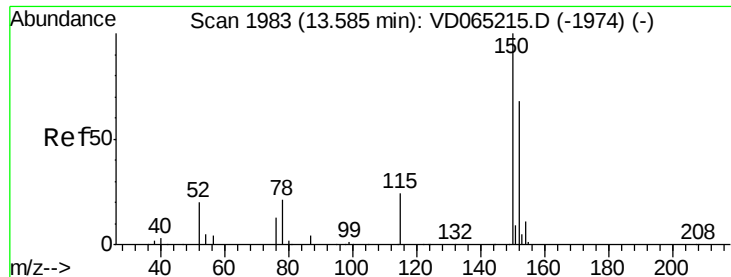
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.0
176	86.7	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065344.D
Acq: 27 Feb 2020 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.7	64.1
119	32.1	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: VD065344.D

Acq: 27 Feb 2020 14:58

Instrument :

MSVOA_D

ClientSampleId :

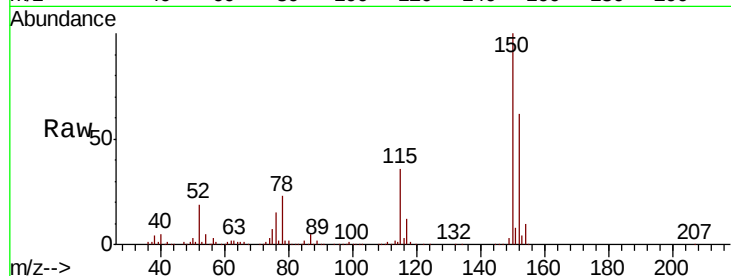
Tot Ion:152 Resp: 342520

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

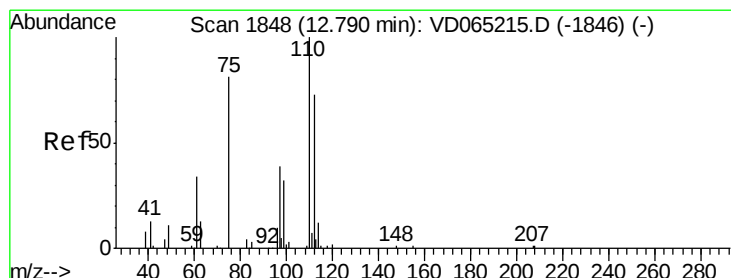
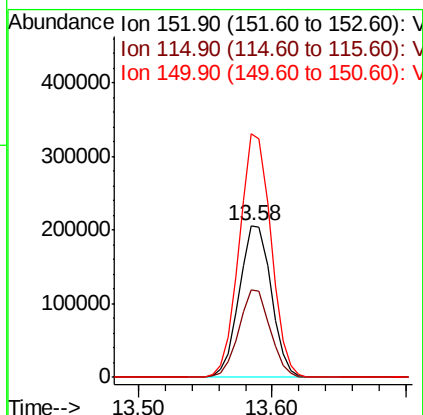
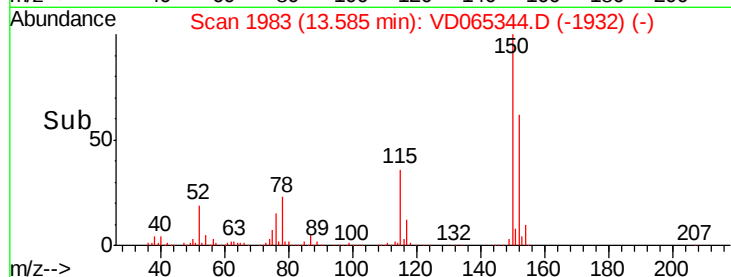
150 158.4 0.0 347.4



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: 52.534 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065344.D

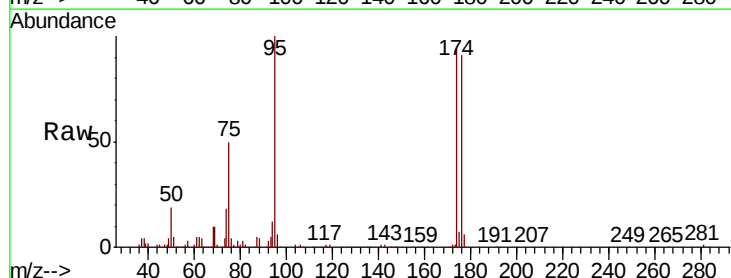
Acq: 27 Feb 2020 14:58

Tgt Ion: 75 Resp: 153098

Ion Ratio Lower Upper

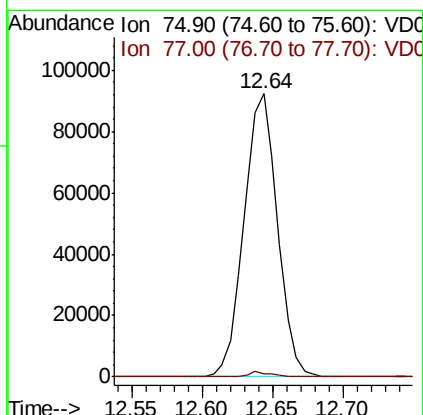
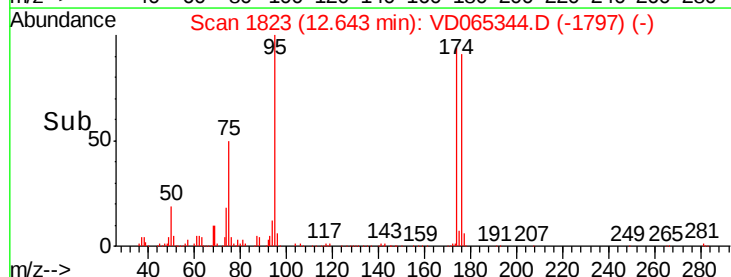
75 100

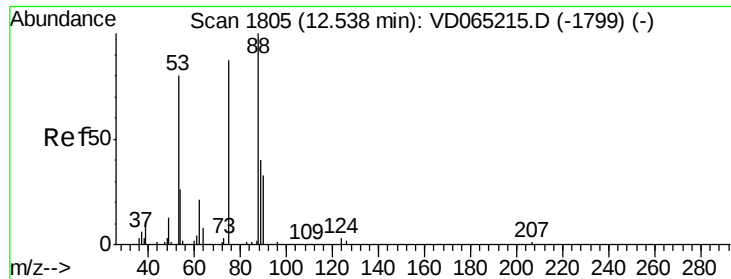
77 1.3 0.0 0.0#



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: 113.430 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065344.D

Acq: 27 Feb 2020 14:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 153098

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#

