

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065331.D
 Acq On : 26 Feb 2020 16:44
 Operator : VA/SY
 Sample : L1688-03RE
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:03:06 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	538946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	918305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	760284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249835	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	287764	59.35	ug/l	0.00
Spiked Amount			Recovery	=	118.70%	
35) Dibromofluoromethane	7.92	113	302302	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	10.34	98	1089174	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.64	95	267326	39.42	ug/l	0.00
Spiked Amount			Recovery	=	78.84%	

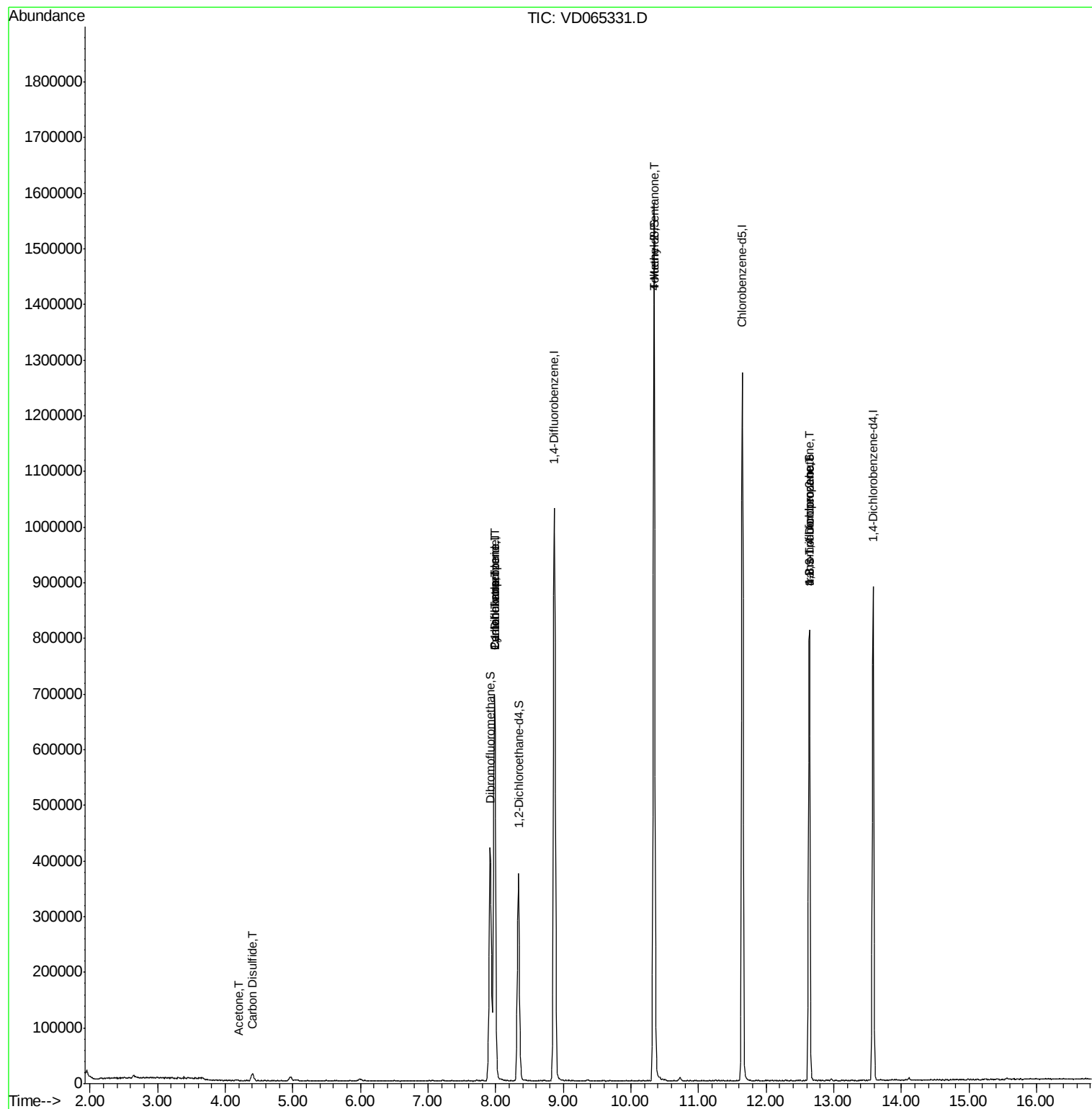
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.19	43	2407	2.031	ug/l #	77
17) Carbon Disulfide	4.40	76	26969	1.610	ug/l	99
20) Methylene Chloride	4.97	84	5488	Below Cal	#	79
31) Cyclohexane	7.98	56	10456	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38685	4.330	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50826	5.588	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	4629	1.342	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127706	60.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127706	129.719	ug/l #	11

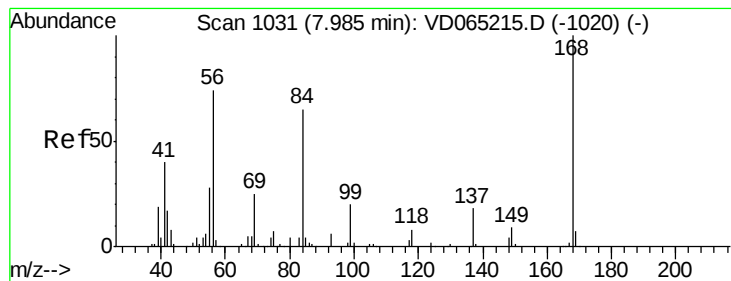
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065331.D

Acq: 26 Feb 2020 16:44

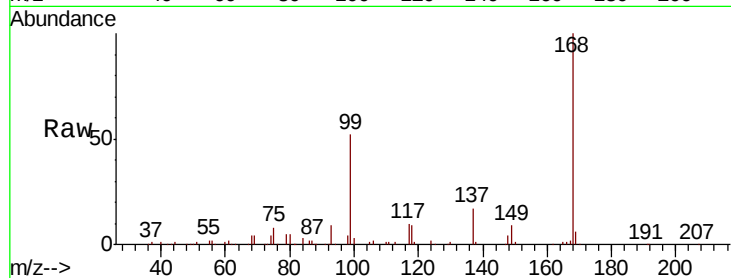
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 538946

Ion Ratio Lower Upper

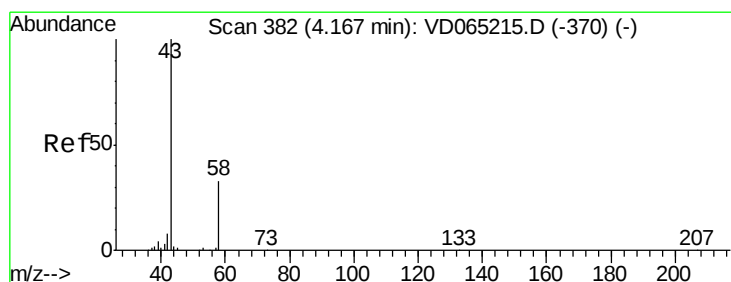
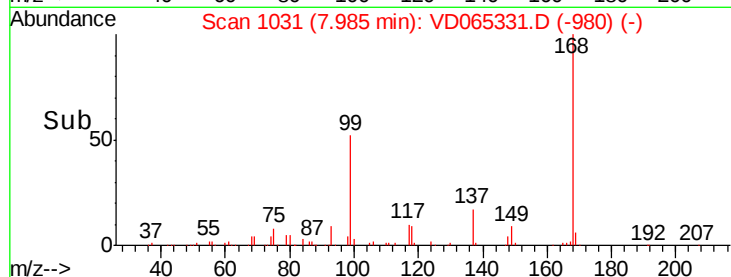
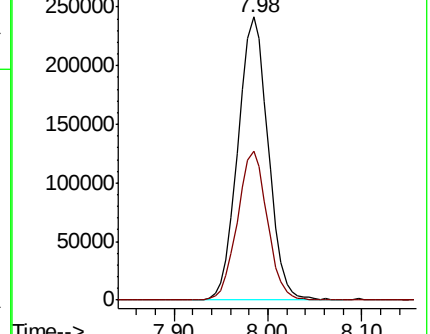
168 100

99 52.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 2.031 ug/l

RT: 4.19 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD065331.D

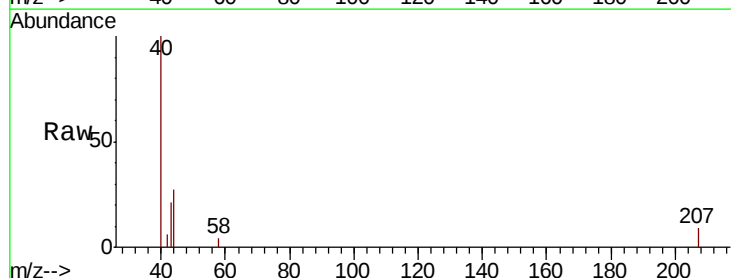
Acq: 26 Feb 2020 16:44

Tgt Ion: 43 Resp: 2407

Ion Ratio Lower Upper

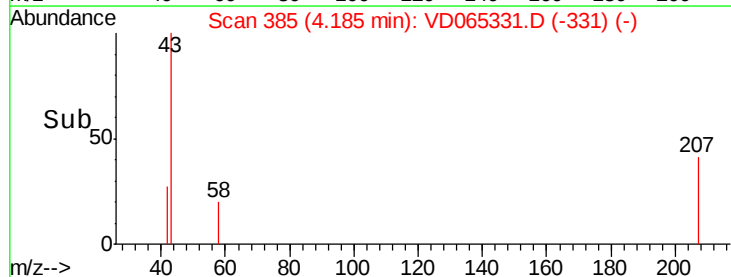
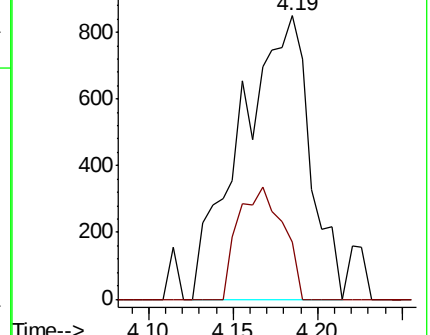
43 100

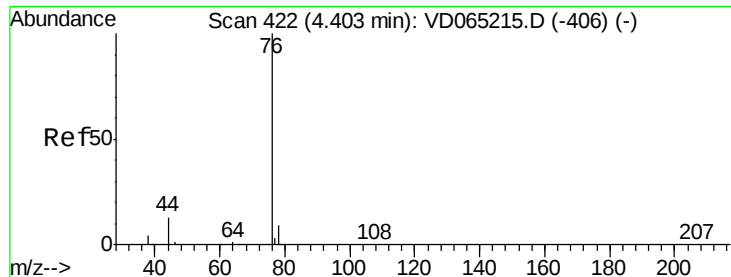
58 20.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

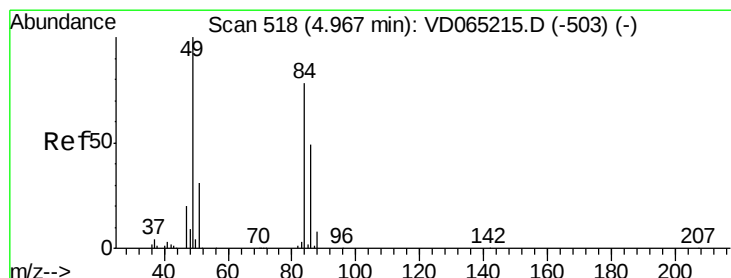
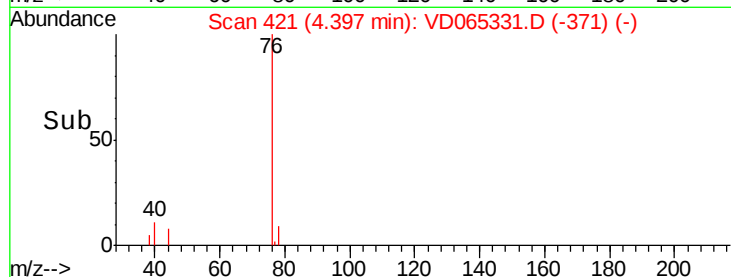
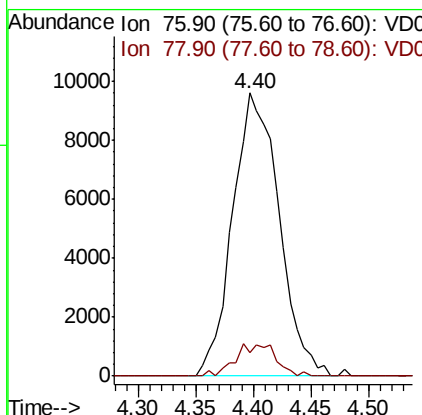
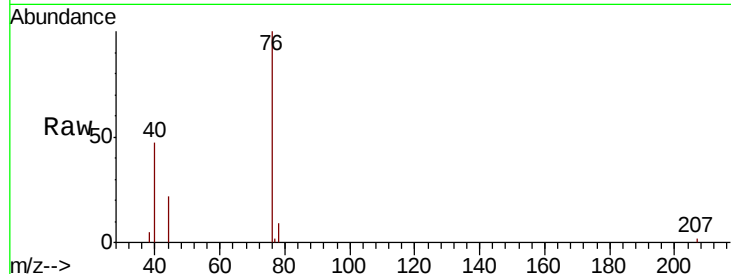




#17
Carbon Disulfide
Concen: 1.610 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065331.D
Acq: 26 Feb 2020 16:44

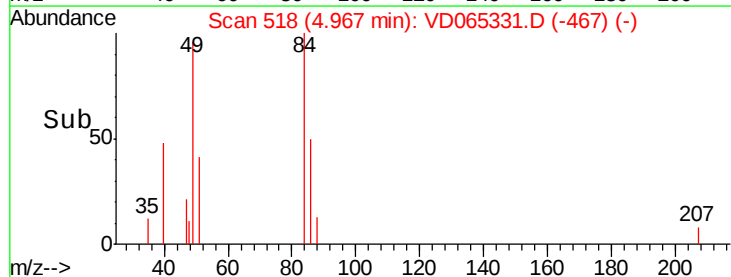
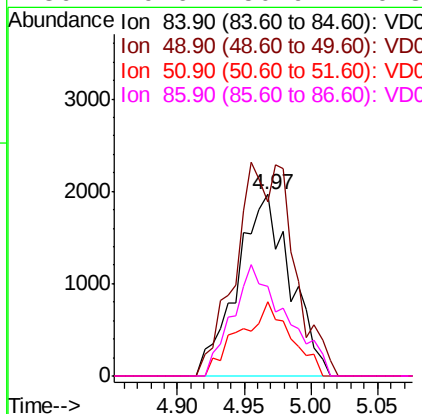
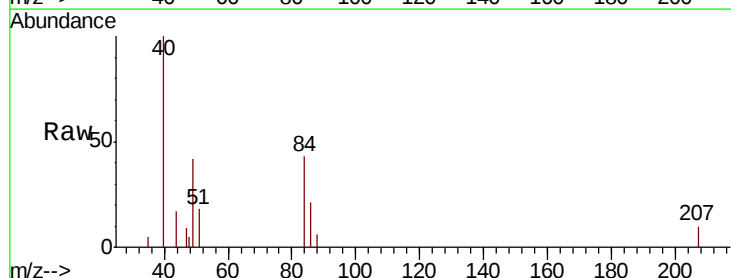
Instrument :
MSVOA_D
ClientSampled :

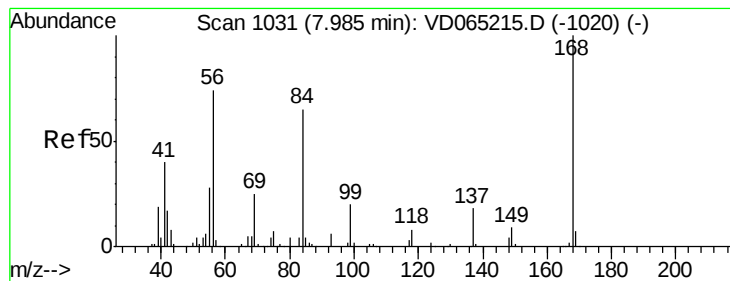
Tot Ion: 76 Resp: 26969
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065331.D
Acq: 26 Feb 2020 16:44

Tgt Ion: 84 Resp: 5488
Ion Ratio Lower Upper
84 100
49 96.2 103.1 154.7#
51 41.3 31.7 47.5
86 49.6 50.9 76.3#





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

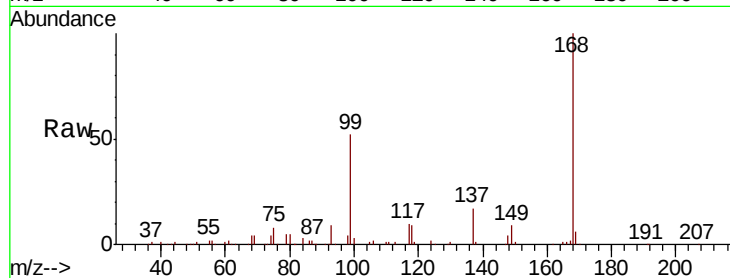
Tot Ion: 56 Resp: 10456

Ion Ratio Lower Upper

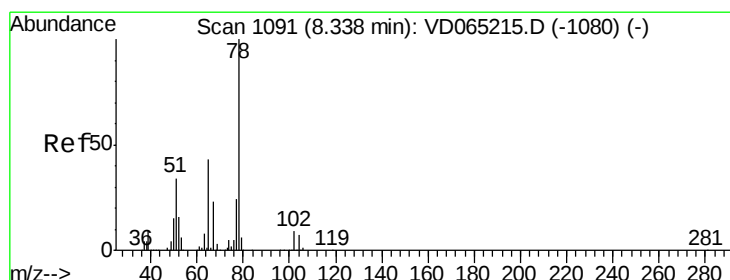
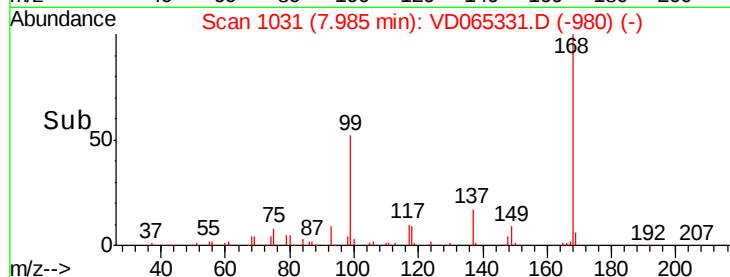
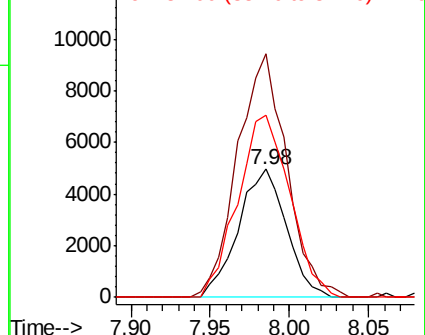
56 100

69 189.7 27.4 41.0#

84 141.5 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: 59.352 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065331.D

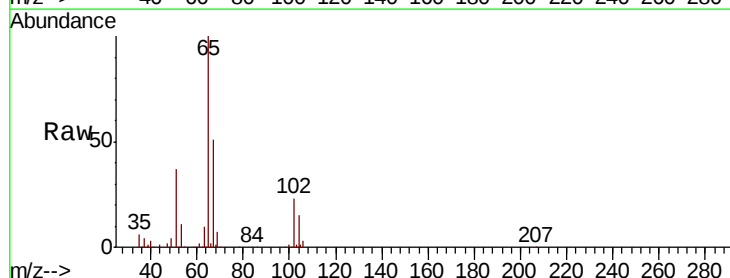
Acq: 26 Feb 2020 16:44

Tgt Ion: 65 Resp: 287764

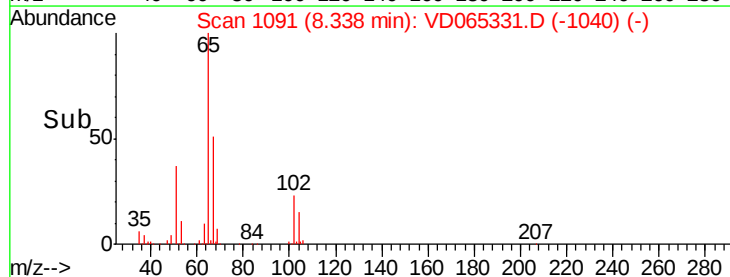
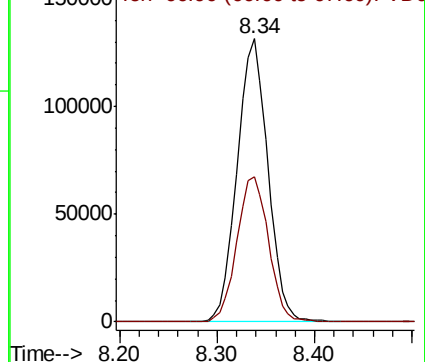
Ion Ratio Lower Upper

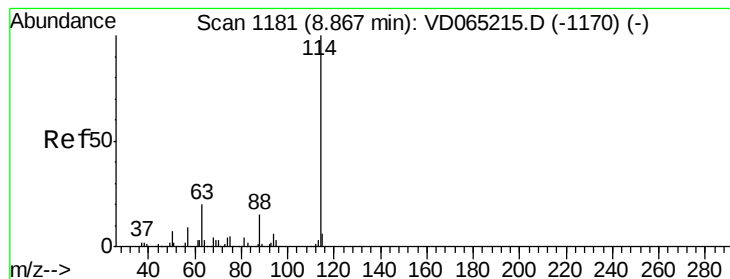
65 100

67 52.7 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: VD065331.D

Acq: 26 Feb 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

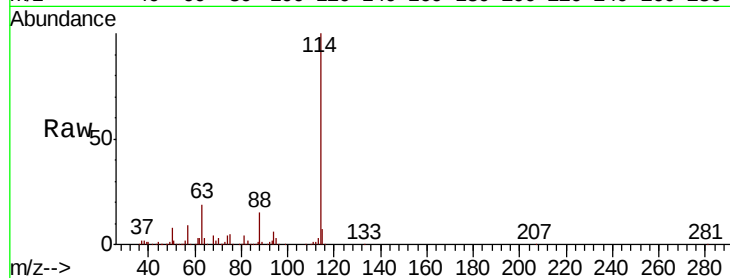
Tot Ion:114 Resp: 918305

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

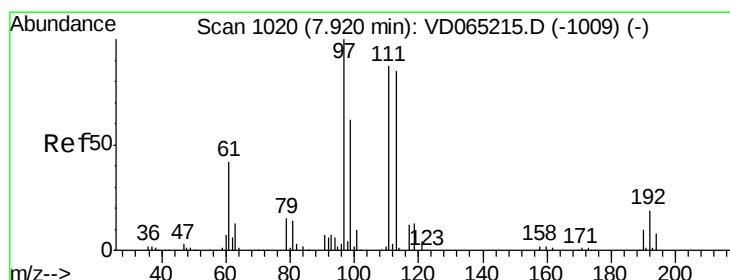
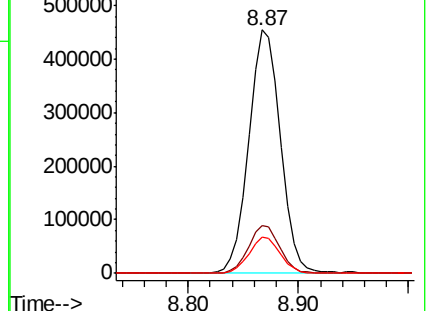
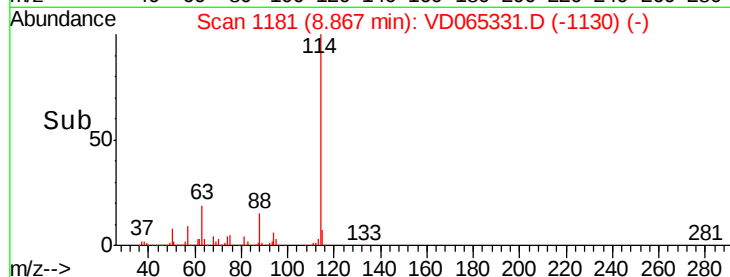
88 14.9 0.0 30.4



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: 53.989 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

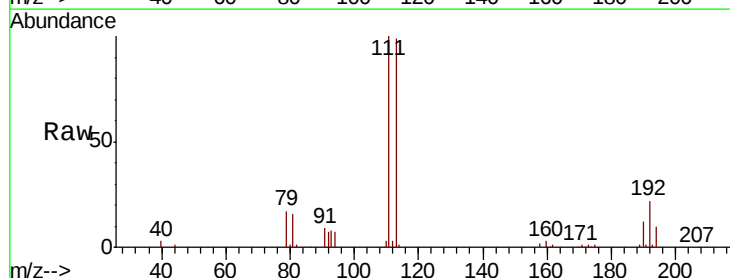
Tgt Ion:113 Resp: 302302

Ion Ratio Lower Upper

113 100

111 100.8 82.9 124.3

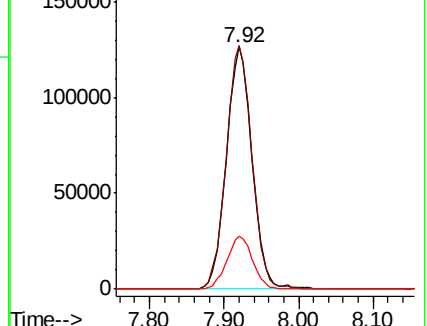
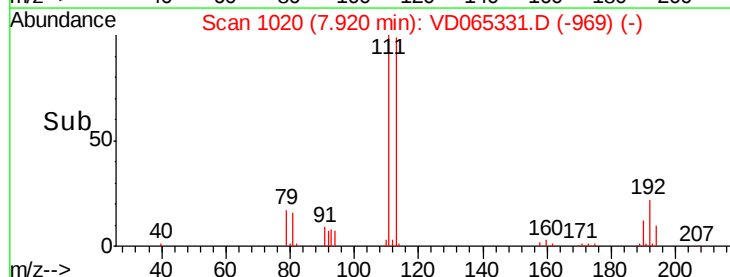
192 21.8 17.3 25.9

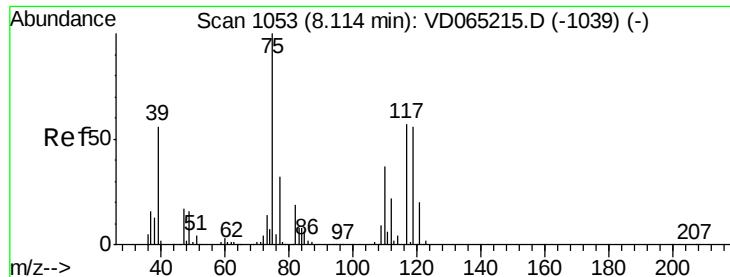


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

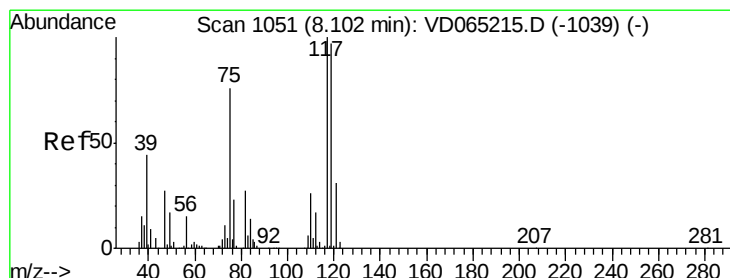
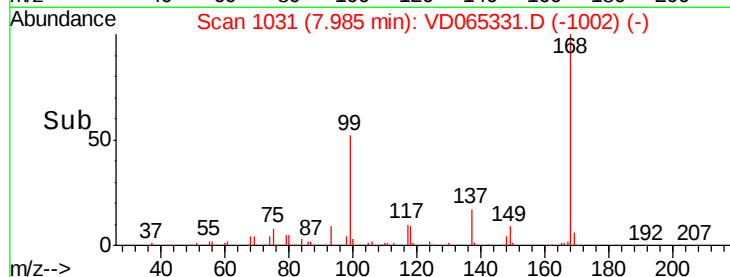
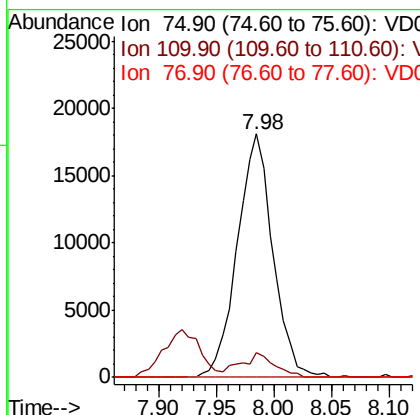
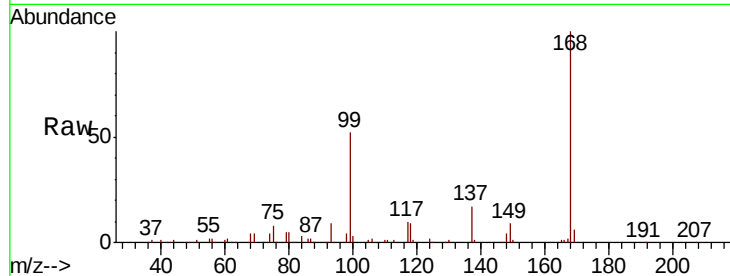




#36
 1,1-Dichloropropene
 Concen: 4.330 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065331.D
 Acq: 26 Feb 2020 16:44

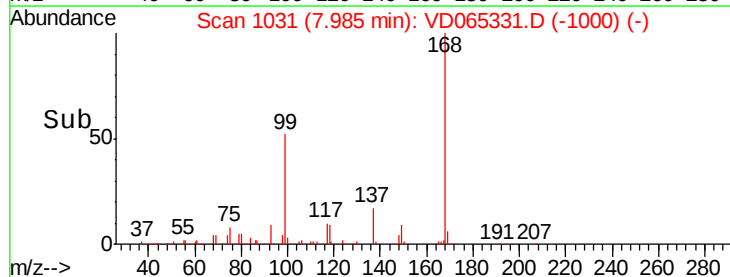
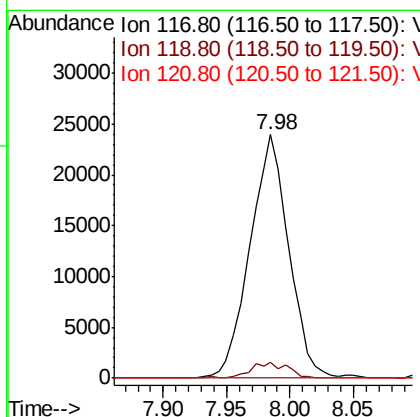
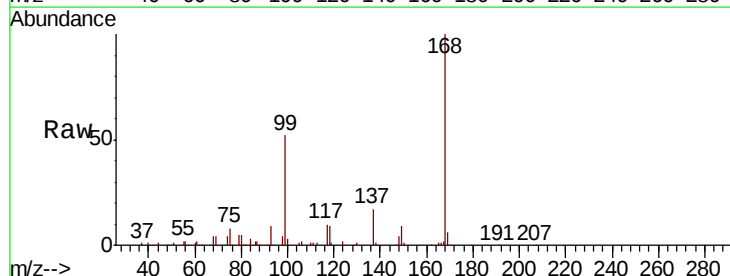
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	75	Resp	38685
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	17.9	53.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.588 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065331.D
 Acq: 26 Feb 2020 16:44

Tgt Ion	117	Resp	50826
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.4	77.6	116.4#
121	0.0	24.8	37.2#

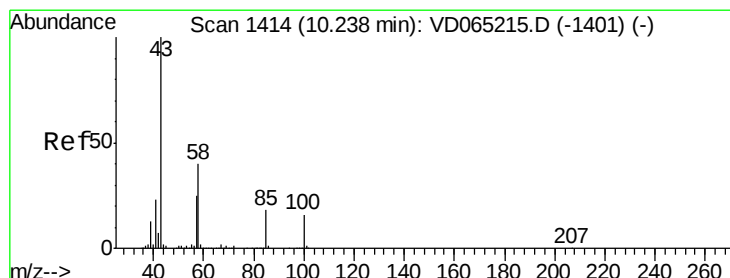
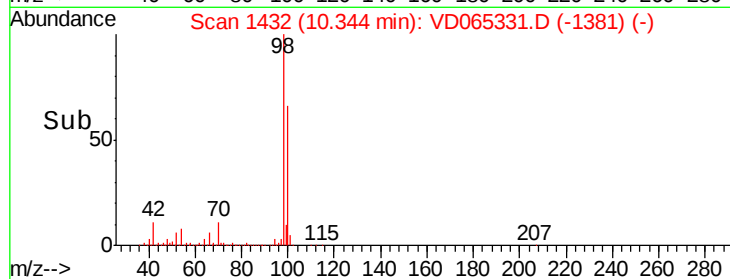
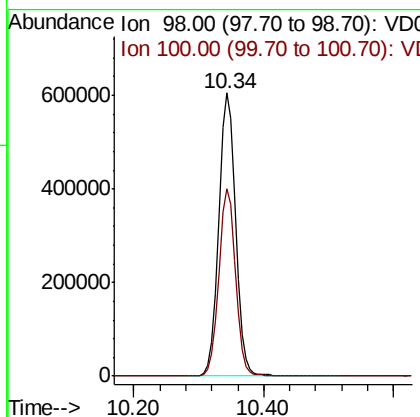
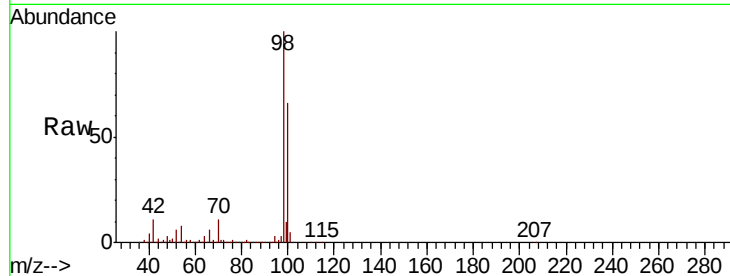




#50
Toluene-d8
Concen: 50.883 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065331.D
Acq: 26 Feb 2020 16:44

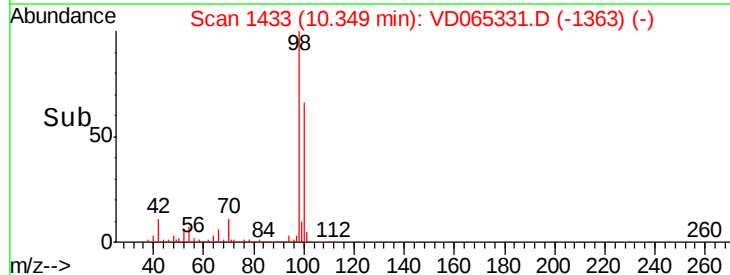
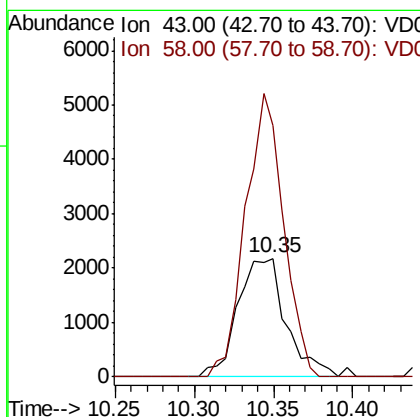
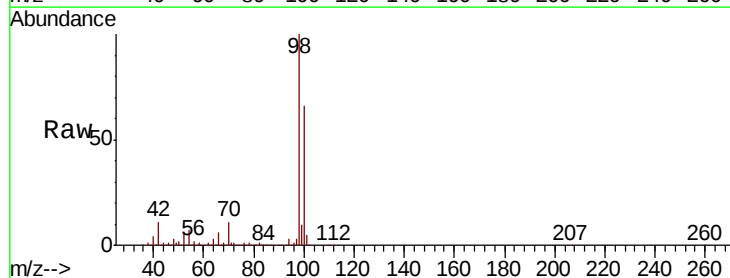
Instrument :
MSVOA_D
ClientSampleId :

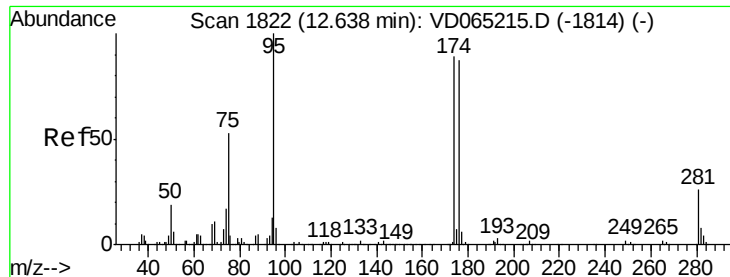
Tot Ion: 98 Resp: 1089174
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.342 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VD065331.D
Acq: 26 Feb 2020 16:44

Tgt Ion: 43 Resp: 4629
Ion Ratio Lower Upper
43 100
58 188.4 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 39.422 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

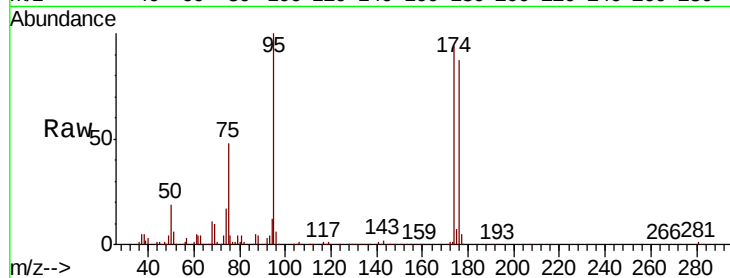
Tot Ion: 95 Resp: 267326

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

176 86.2 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

12.64

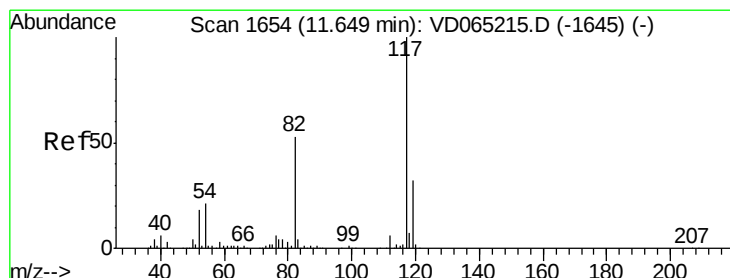
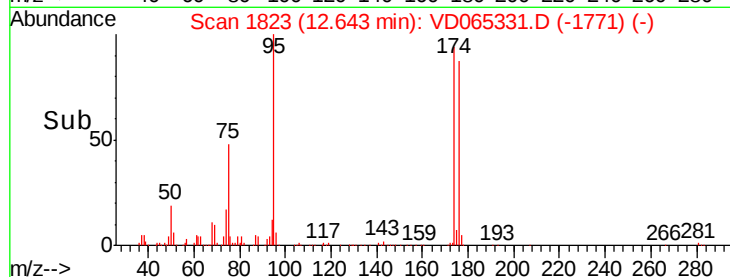
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

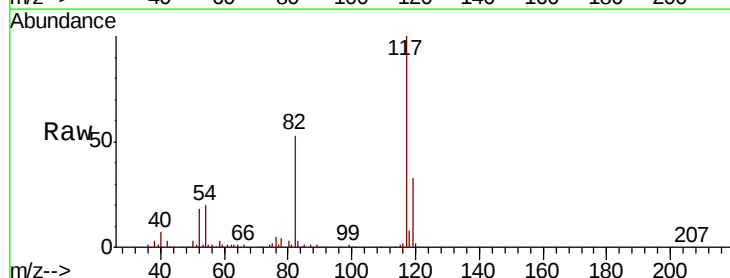
Tgt Ion: 117 Resp: 760284

Ion Ratio Lower Upper

117 100

82 53.3 42.7 64.1

119 32.6 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

11.65

600000

500000

400000

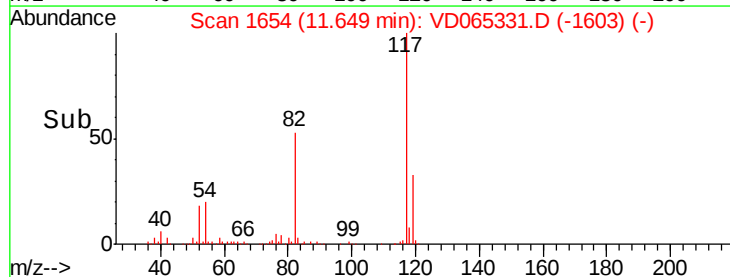
300000

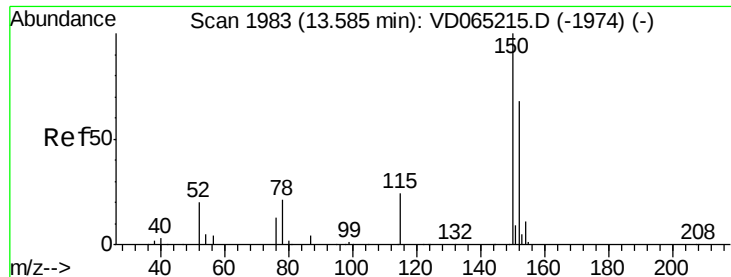
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

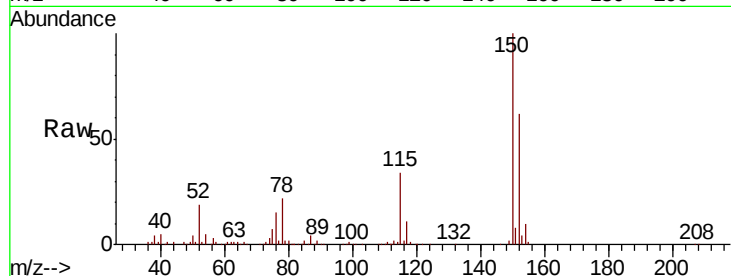
Tot Ion:152 Resp: 249835

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

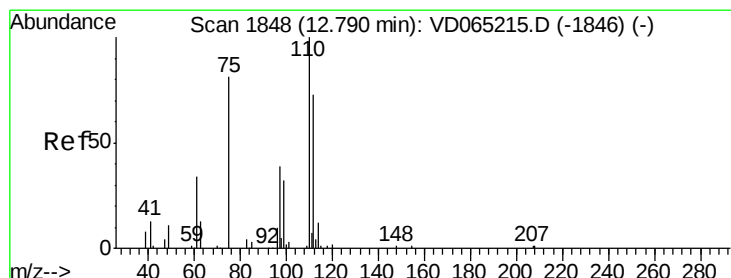
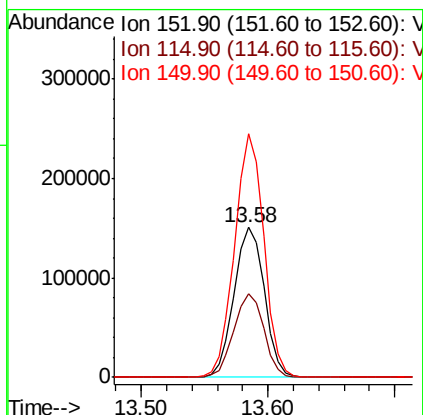
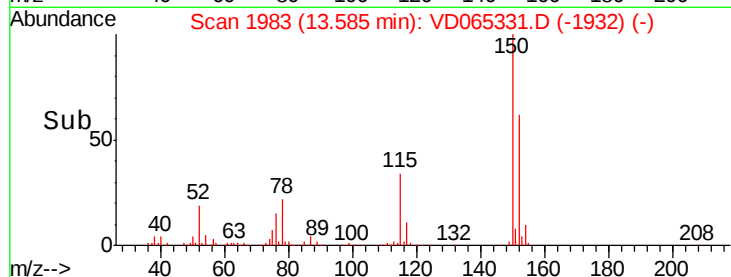
150 156.0 0.0 347.4



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: 60.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065331.D

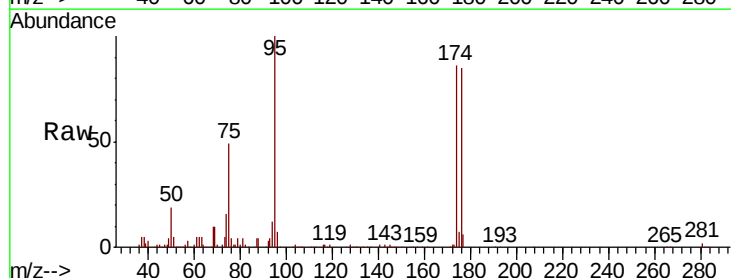
Acq: 26 Feb 2020 16:44

Tgt Ion: 75 Resp: 127706

Ion Ratio Lower Upper

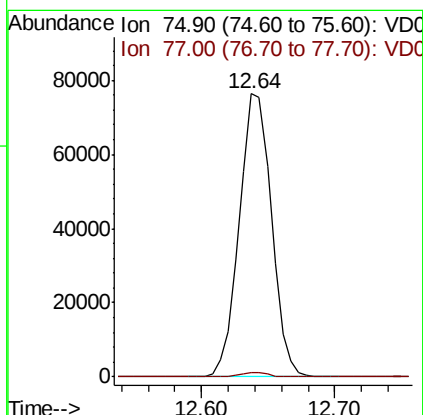
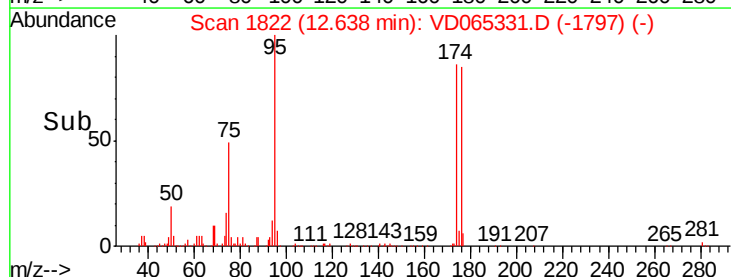
75 100

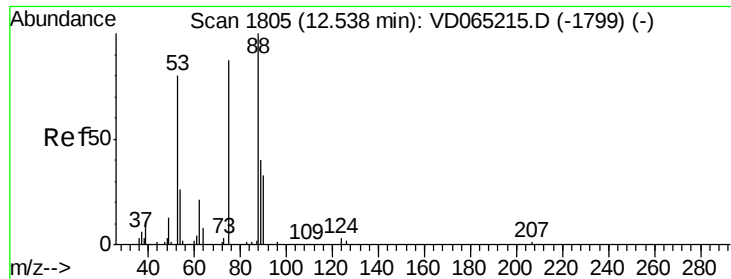
77 1.5 0.0 0.0#



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: 129.719 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065331.D

Acq: 26 Feb 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 127706

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#

