

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065226.D
 Acq On : 18 Feb 2020 18:42
 Operator : VA/SY
 Sample : L1573-04
 Misc : 7.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOC-2

Quant Time: Feb 19 03:32:40 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	7.99	168	517794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	842403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	901068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	458773	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	223098	47.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.78%	
35) Dibromofluoromethane	7.92	113	254453	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
50) Toluene-d8	10.34	98	1032781	52.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.64	95	397623	63.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.84%	

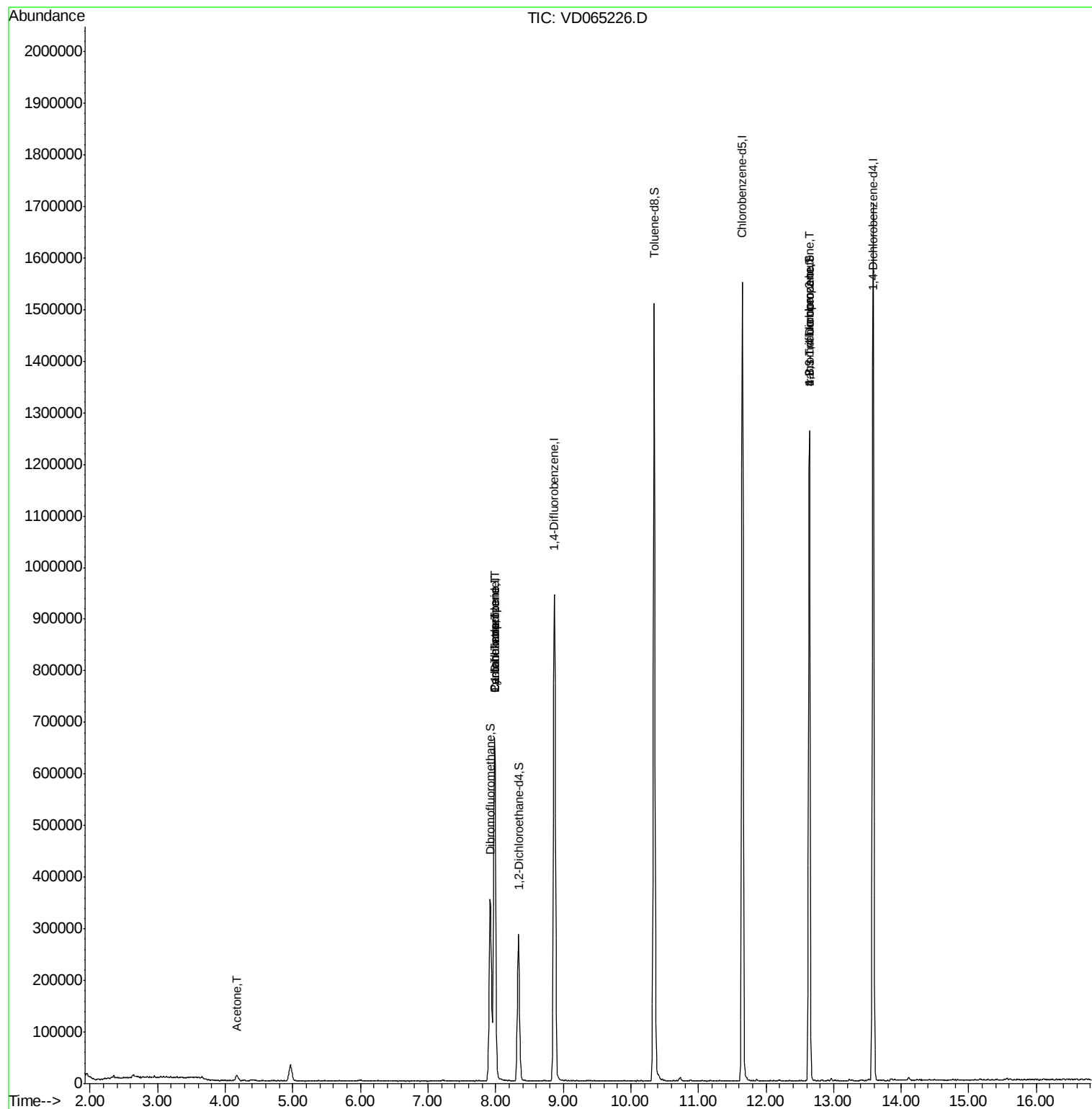
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.68	56	63	Below Cal	#	1
16) Acetone	4.17	43	18026	15.831	ug/l	95
20) Methylene Chloride	4.97	84	23096	Below Cal	#	81
31) Cyclohexane	7.99	56	10647	1.162	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	38390	4.684	ug/l	# 49
38) Carbon Tetrachloride	7.99	117	48073	5.761	ug/l	# 15
76) 1,2,3-Trichloropropane	12.64	75	203440	52.119	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	203440	112.534	ug/l	# 11

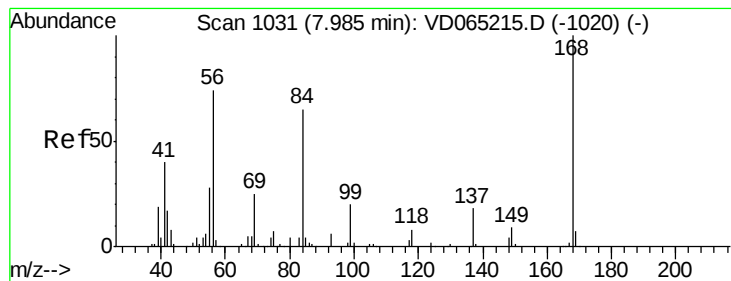
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065226.D

Acq: 18 Feb 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

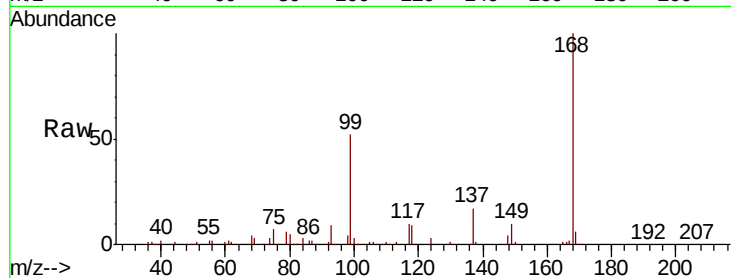
LOC-2

Tot Ion:168 Resp: 517794

Ion Ratio Lower Upper

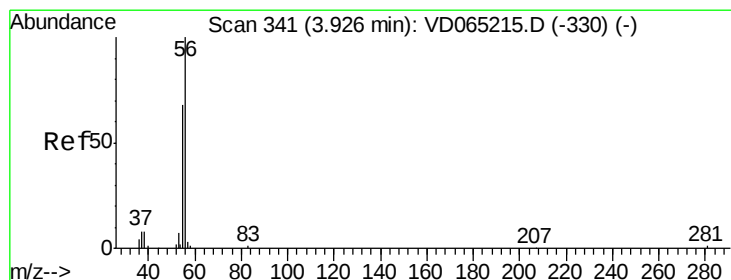
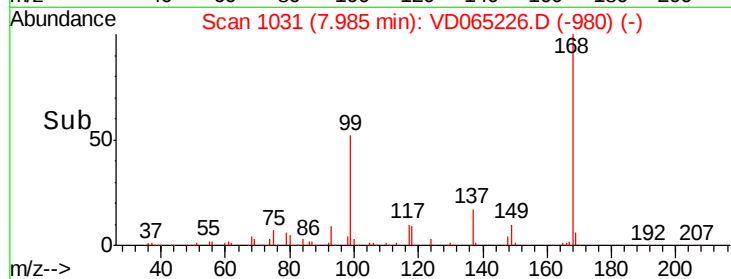
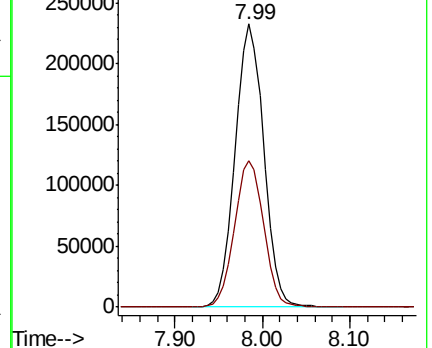
168 100

99 51.6 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: 3.68 min Scan# 299

Delta R.T. -0.25 min

Lab File: VD065226.D

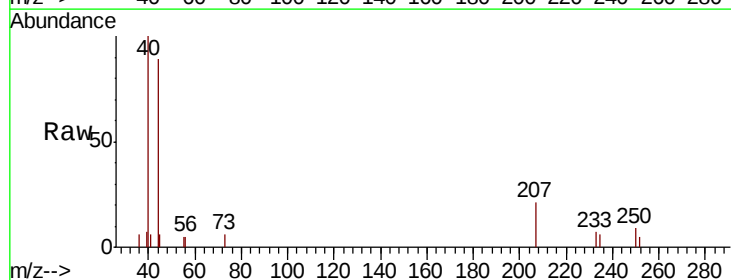
Acq: 18 Feb 2020 18:42

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

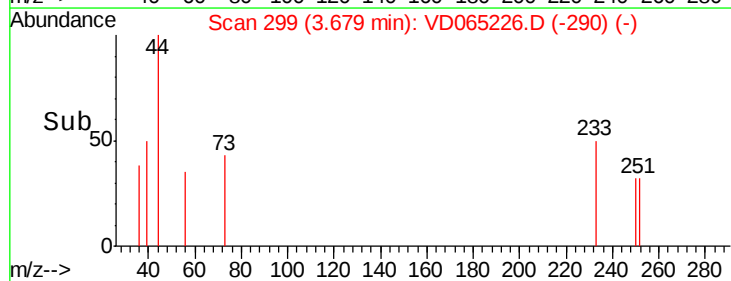
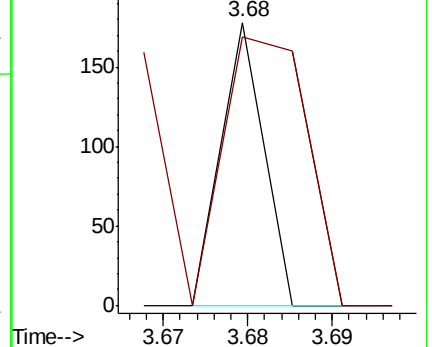
56 100

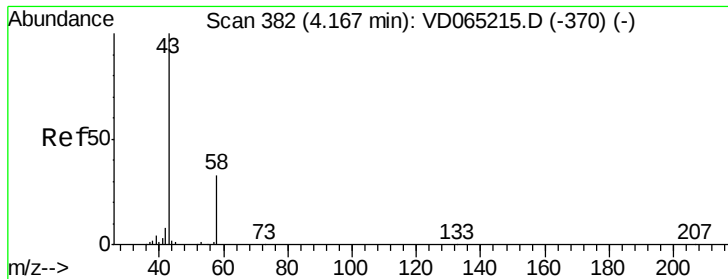
55 184.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 15.831 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065226.D

Acq: 18 Feb 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

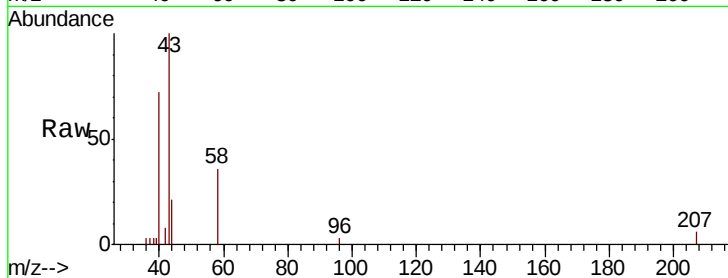
LOC-2

Tot Ion: 43 Resp: 18026

Ion Ratio Lower Upper

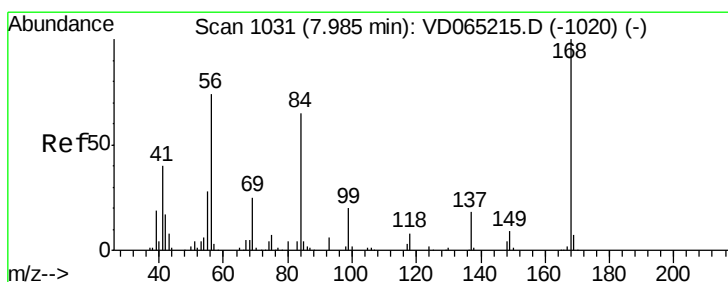
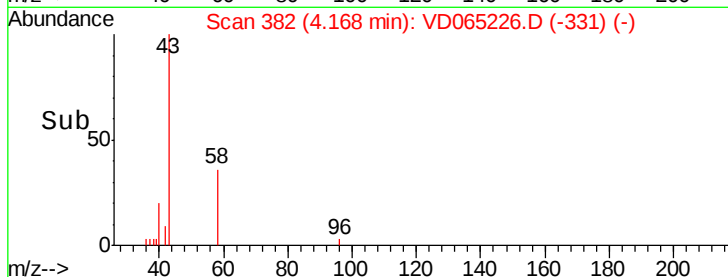
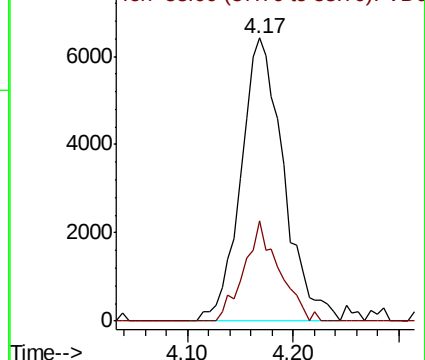
43 100

58 35.5 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065226.D

Acq: 18 Feb 2020 18:42

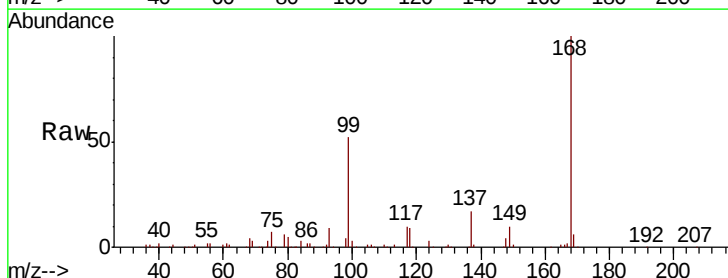
Tgt Ion: 56 Resp: 10647

Ion Ratio Lower Upper

56 100

69 165.8 27.4 41.0#

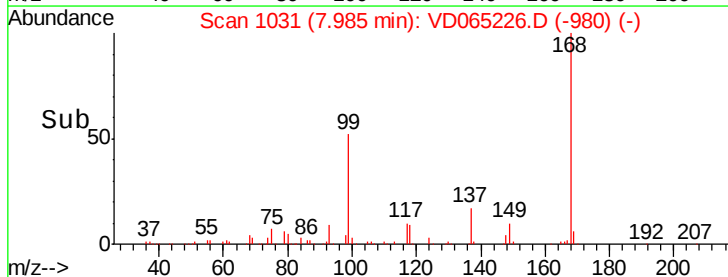
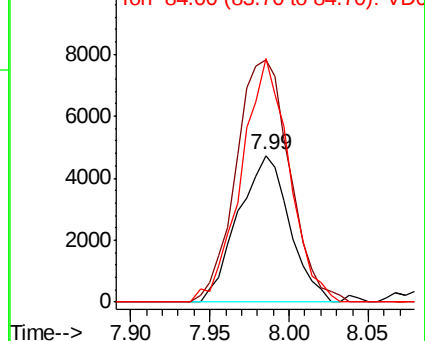
84 166.2 71.1 106.7#

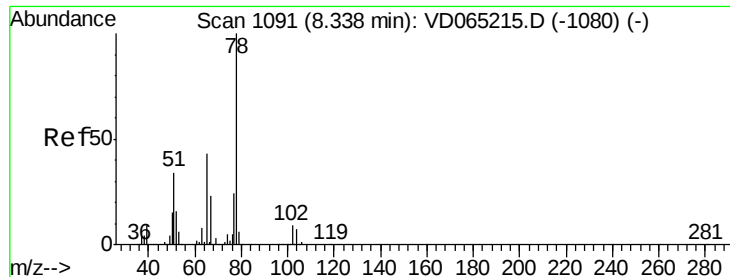


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

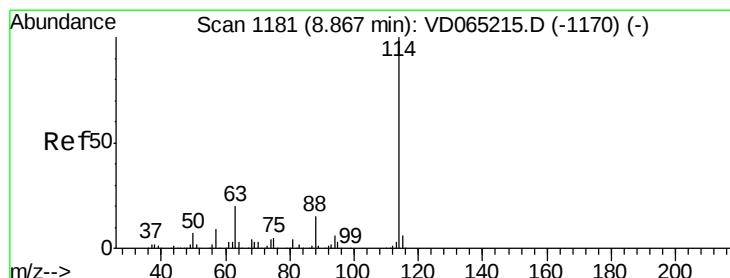
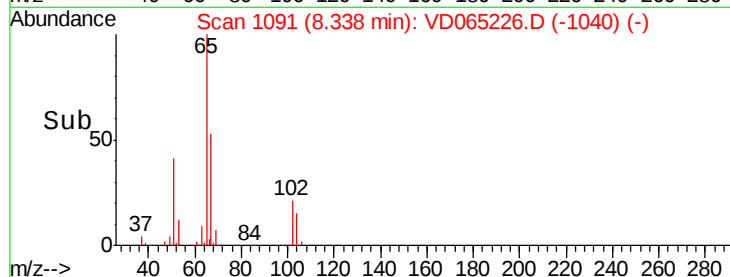
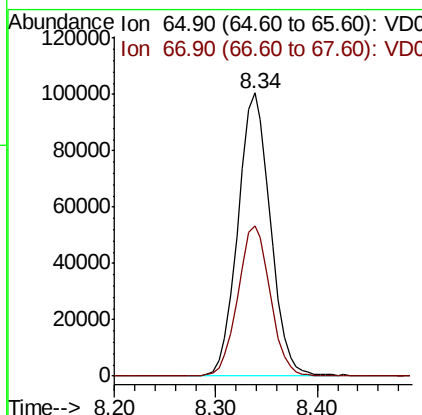
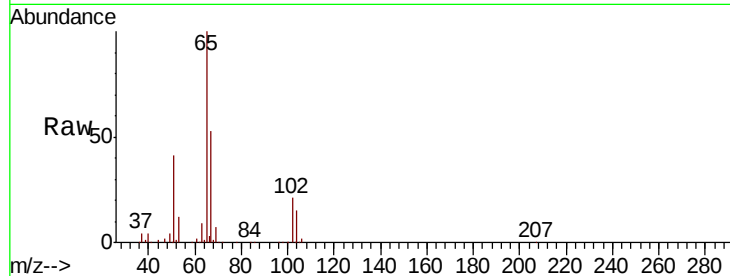




#33
 1,2-Dichloroethane-d4
 Concen: 47.894 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065226.D
 Acq: 18 Feb 2020 18:42

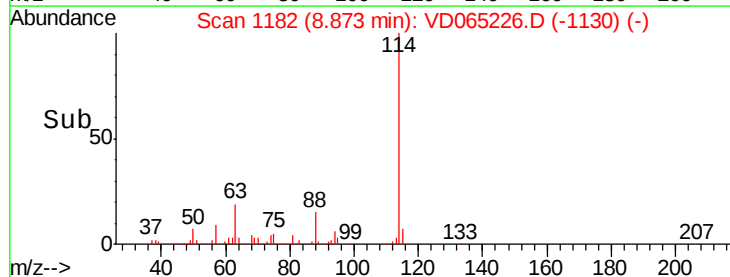
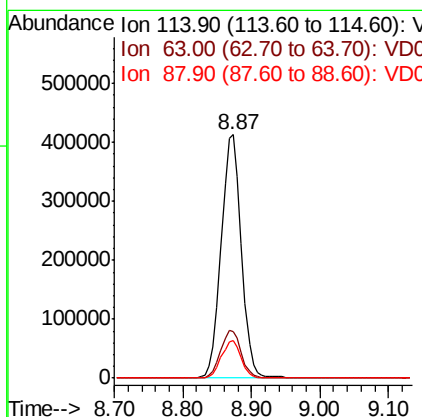
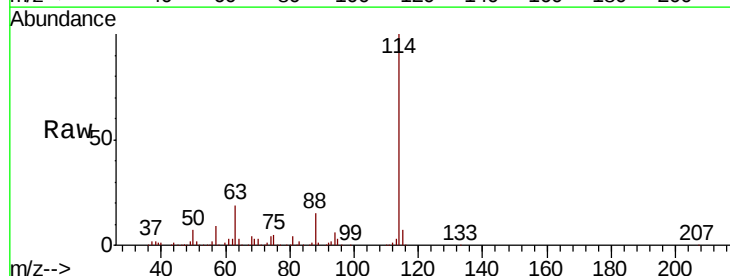
Instrument :
 MSVOA_D
 ClientSampled :
 LOC-2

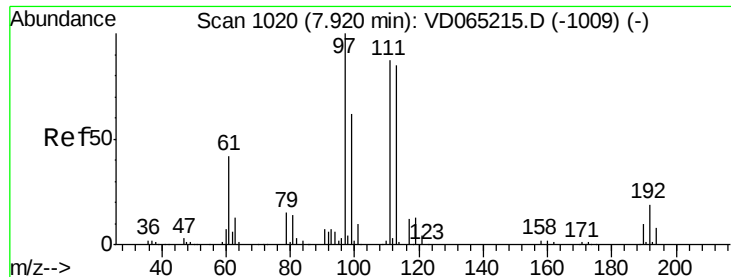
Tot Ion: 65 Resp: 223098
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065226.D
 Acq: 18 Feb 2020 18:42

Tgt Ion: 114 Resp: 842403
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 15.3 0.0 30.4

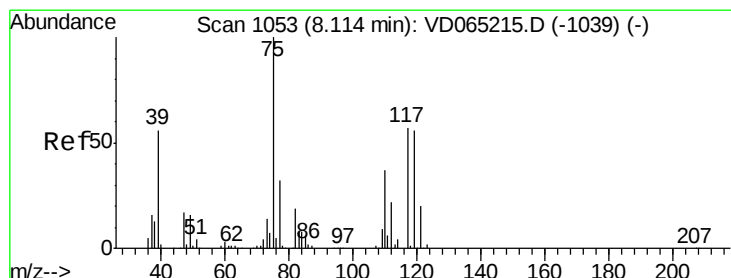
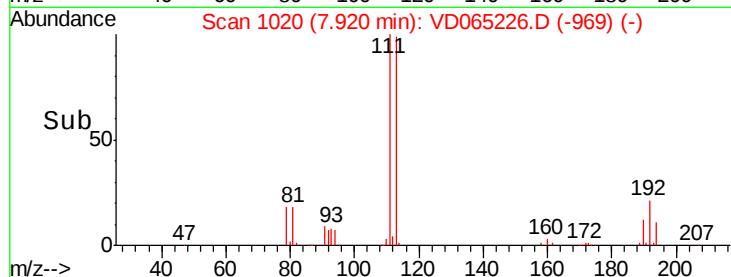
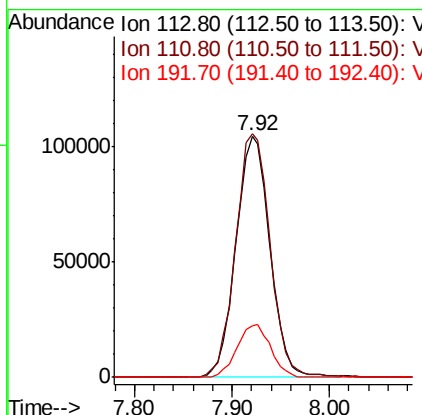
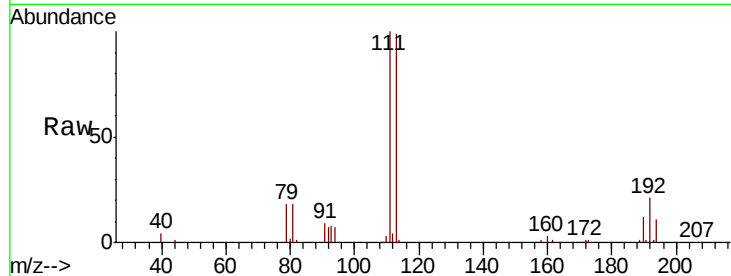




#35
Dibromofluoromethane
Concen: 49.538 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065226.D
Acq: 18 Feb 2020 18:42

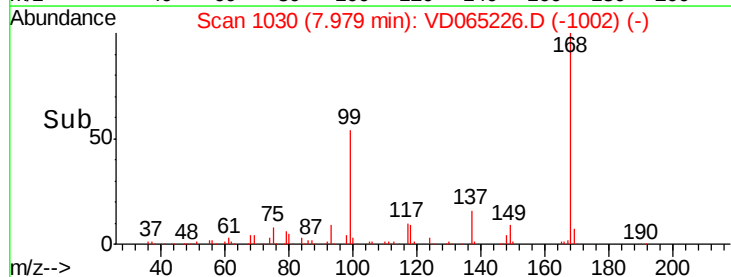
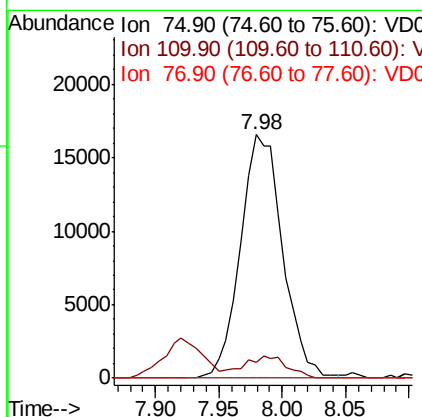
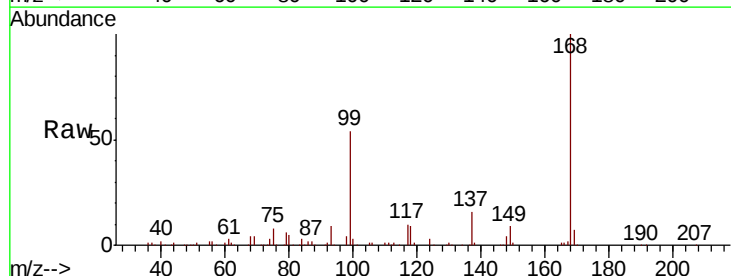
Instrument :
MSVOA_D
ClientSampled :
LOC-2

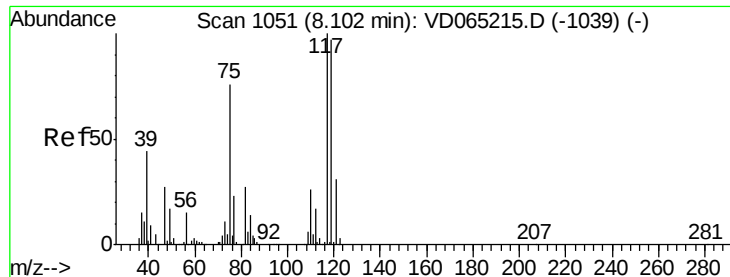
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	21.8	17.3	25.9



#36
1,1-Dichloropropene
Concen: 4.684 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD065226.D
Acq: 18 Feb 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.9	53.7#
77	0.0	25.1	37.7#

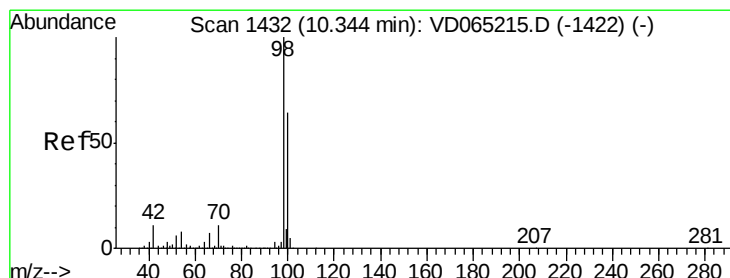
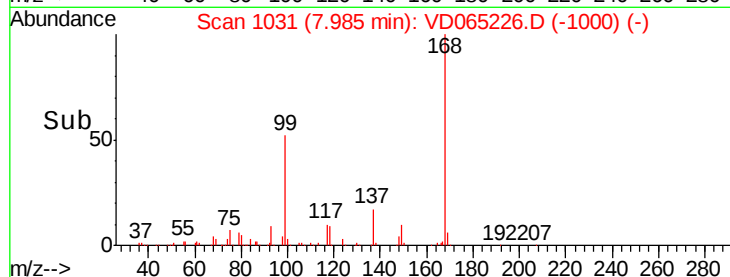
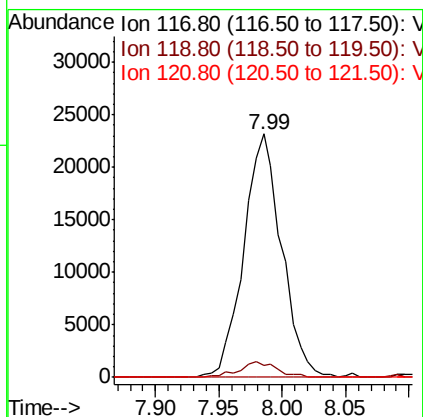
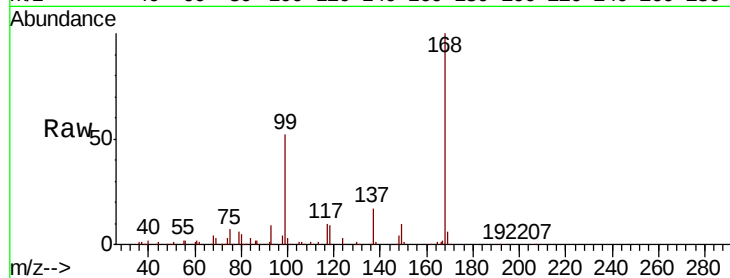




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065226.D
Acq: 18 Feb 2020 18:42

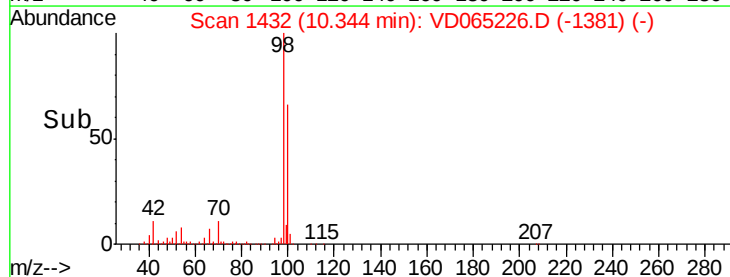
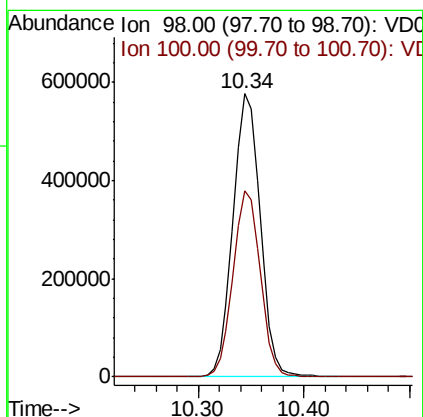
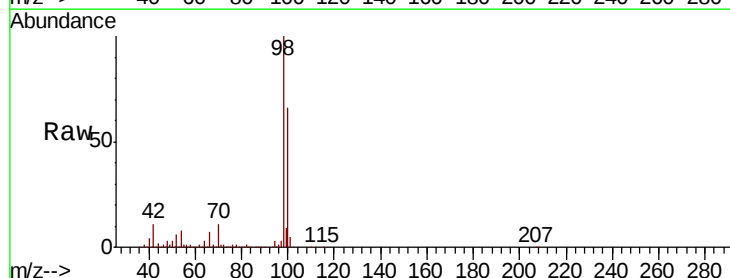
Instrument :
MSVOA_D
ClientSampleId :
LOC-2

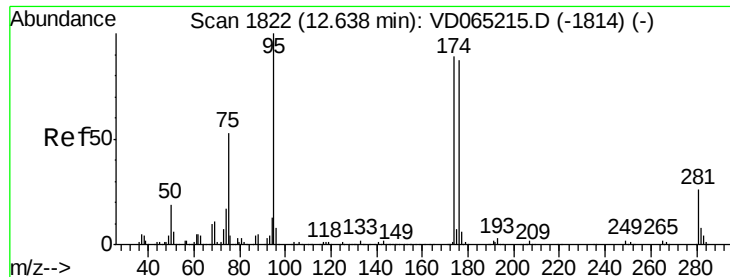
Tot Ion:117 Resp: 48073
Ion Ratio Lower Upper
117 100
119 4.8 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.596 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065226.D
Acq: 18 Feb 2020 18:42

Tgt Ion: 98 Resp: 1032781
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 63.920 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065226.D

Acq: 18 Feb 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

LOC-2

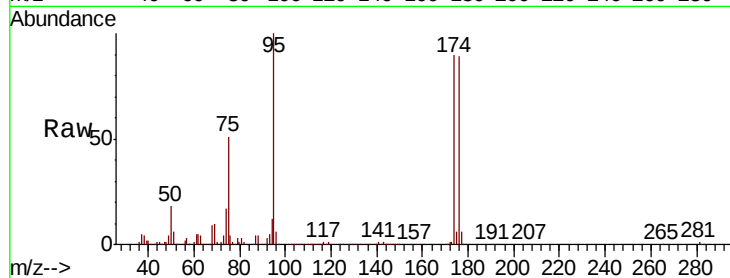
Tot Ion: 95 Resp: 397623

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.0

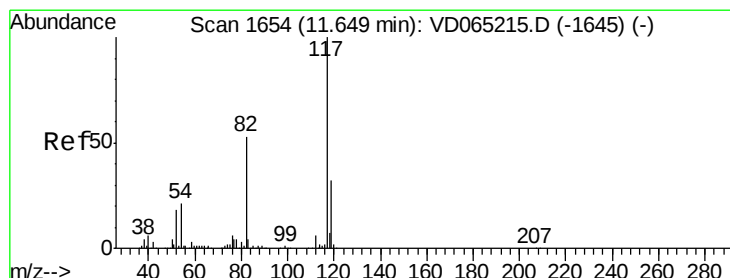
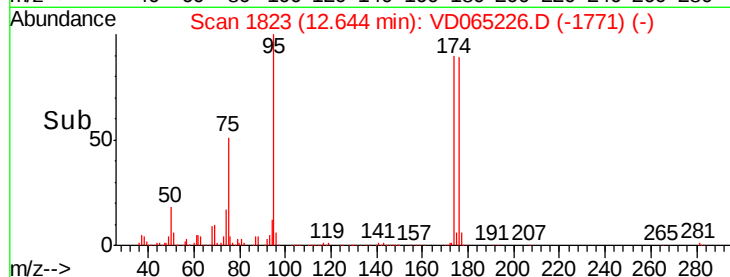
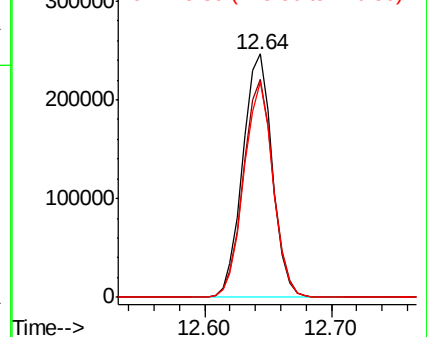
176 87.5 0.0 174.4



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: VD065226.D

Acq: 18 Feb 2020 18:42

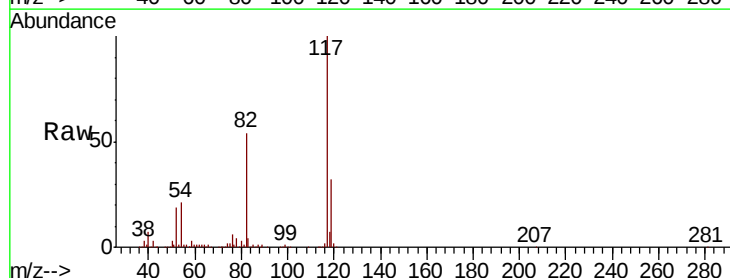
Tgt Ion: 117 Resp: 901068

Ion Ratio Lower Upper

117 100

82 53.6 42.7 64.1

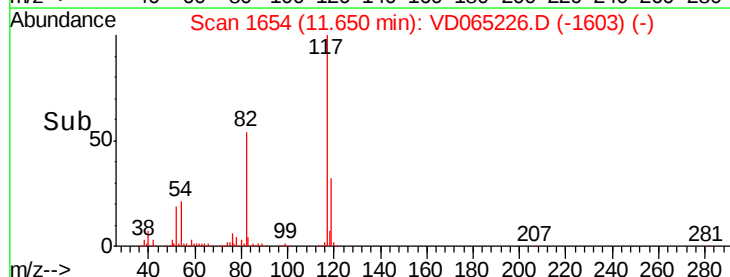
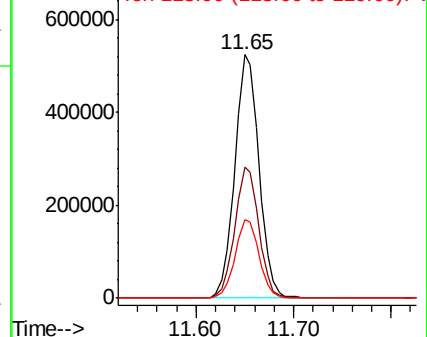
119 32.2 25.5 38.3

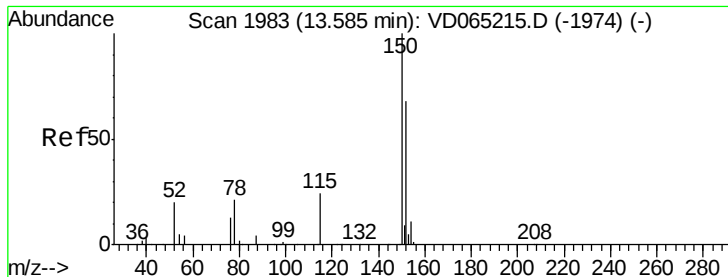


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065226.D

Acq: 18 Feb 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

LOC-2

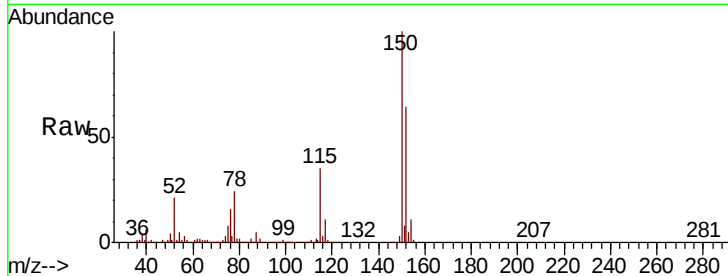
Tot Ion:152 Resp: 458773

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.8

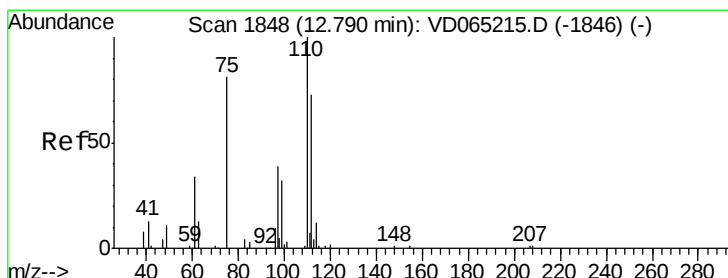
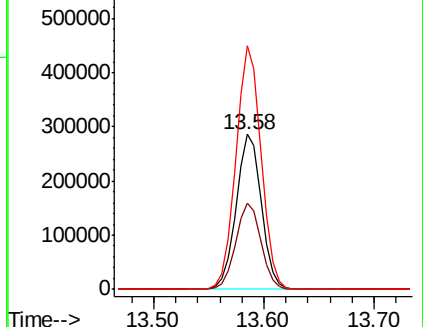
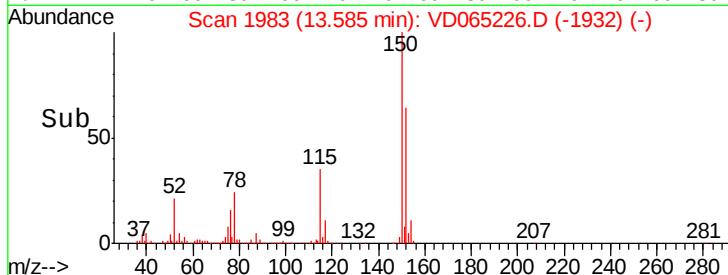
150 156.8 0.0 347.4



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: 52.119 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065226.D

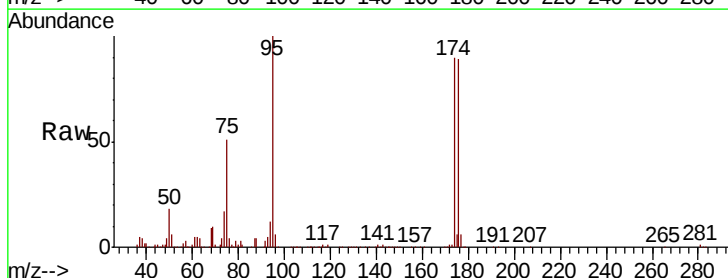
Acq: 18 Feb 2020 18:42

Tgt Ion: 75 Resp: 203440

Ion Ratio Lower Upper

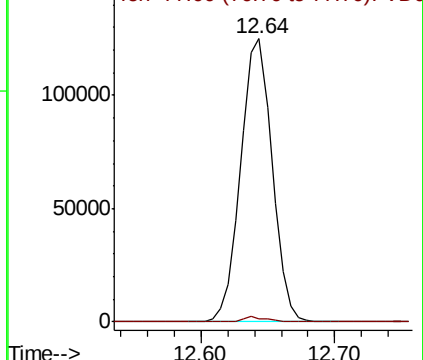
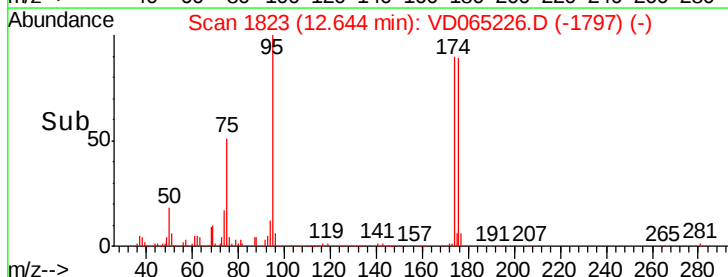
75 100

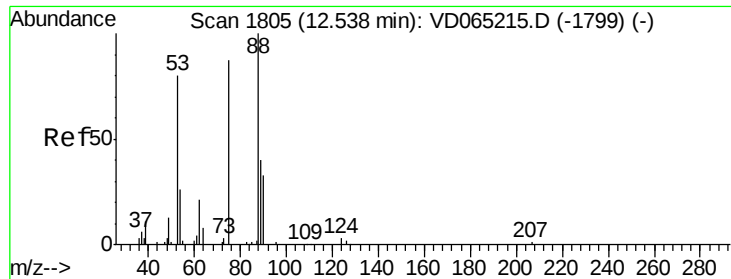
77 1.3 0.0 0.0#



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: 112.534 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065226.D

Acq: 18 Feb 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

LOC-2

Tot Ion: 75 Resp: 203440

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#

