

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067115.D
 Acq On : 06 Oct 2020 18:35
 Operator : VA/SY
 Sample : L4272-48
 Misc : 7.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-9-(3.5)

Quant Time: Oct 07 01:12:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

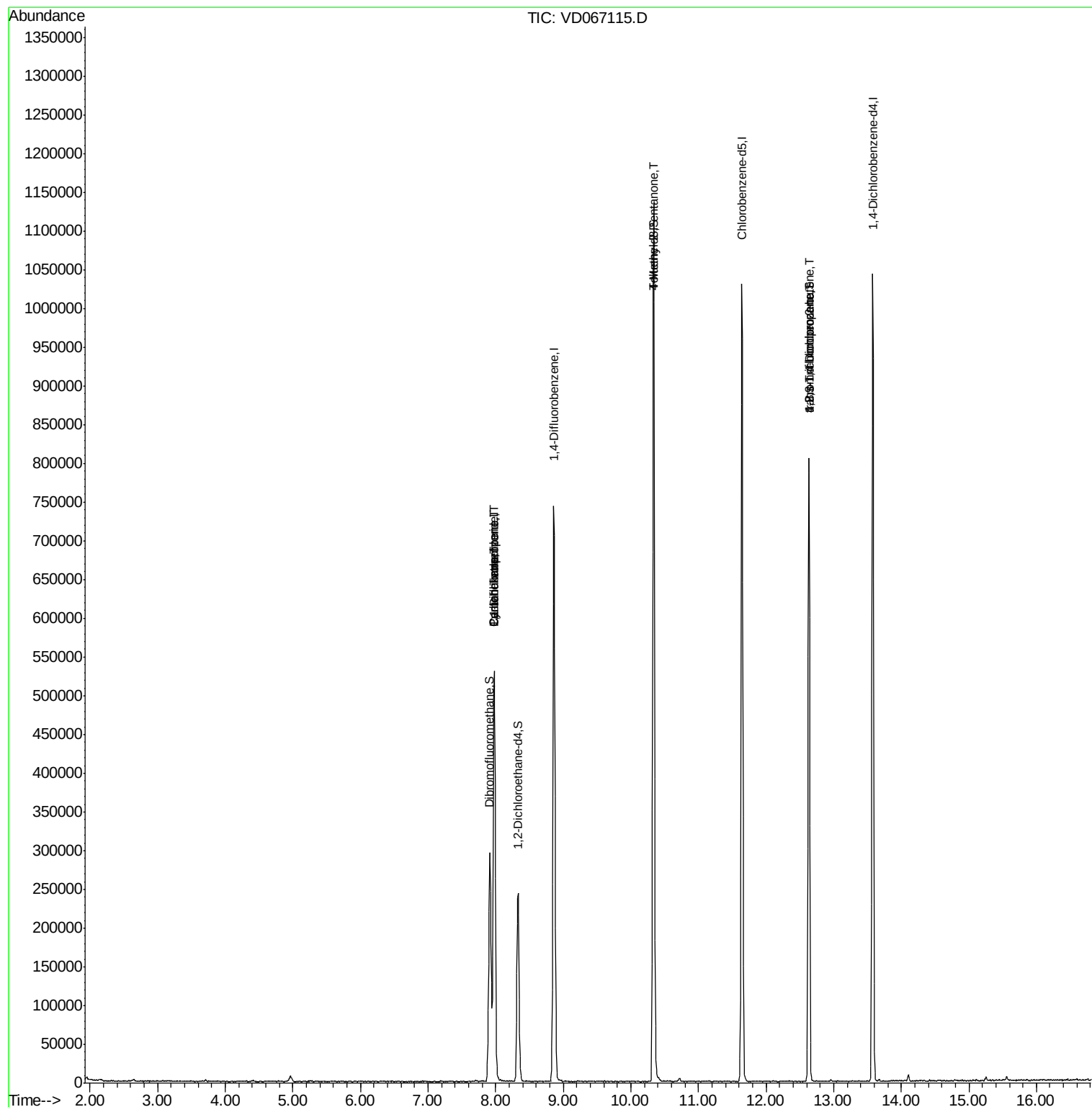
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	618995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	205369	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	7.91	113	222434	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.34	98	784471	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.64	95	263382	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	63	Below Cal	#	1
5) Bromomethane	2.76	94	94	Below Cal	#	3
20) Methylene Chloride	4.97	84	5644	Below Cal	#	81
31) Cyclohexane	7.98	56	7547	1.326	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	28766	4.636	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41975	6.252	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3586	1.818	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	132062	52.996	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132062	132.125	ug/l #	12

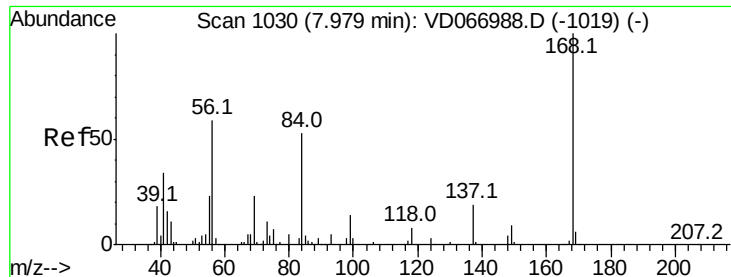
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

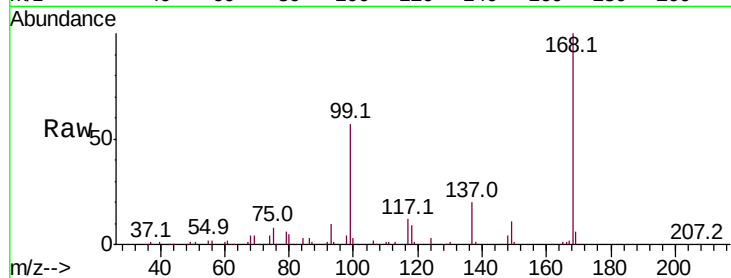
SC-9-(3.5)

Tot Ion:168 Resp: 393481

Ion Ratio Lower Upper

168 100

99 57.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

200000

150000

100000

50000

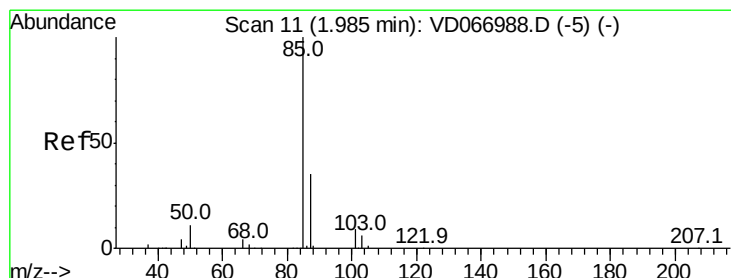
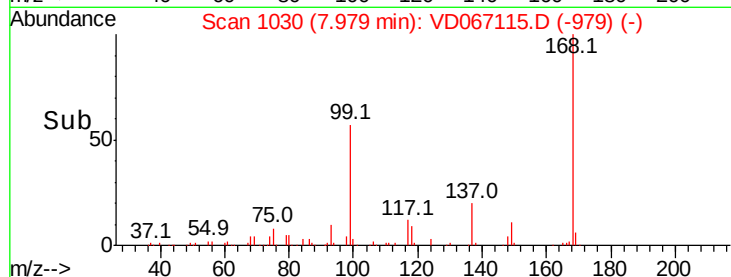
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067115.D

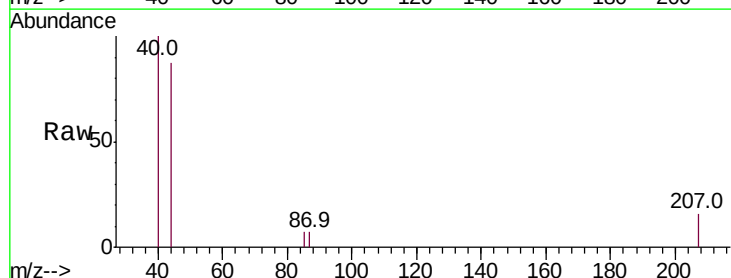
Acq: 06 Oct 2020 18:35

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 96.6 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

200

150

100

50

0

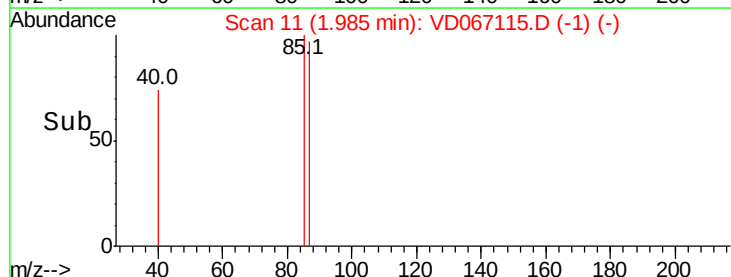
1.97

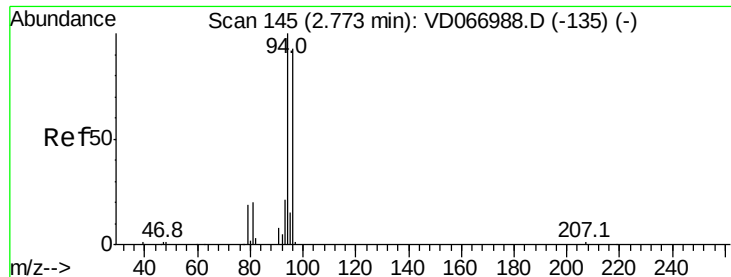
1.98

1.99

2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

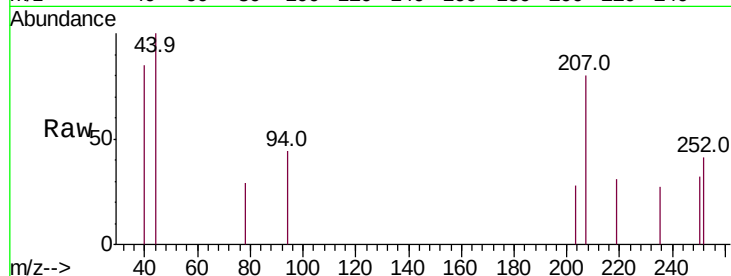
SC-9-(3.5)

Tot Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

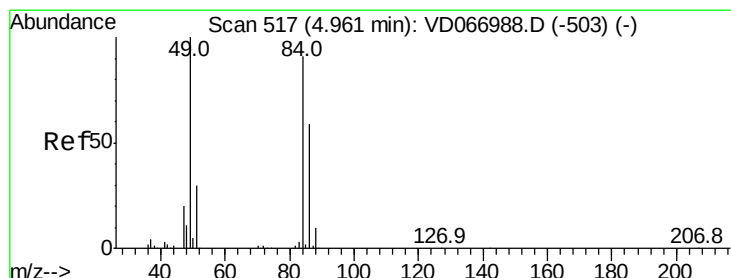
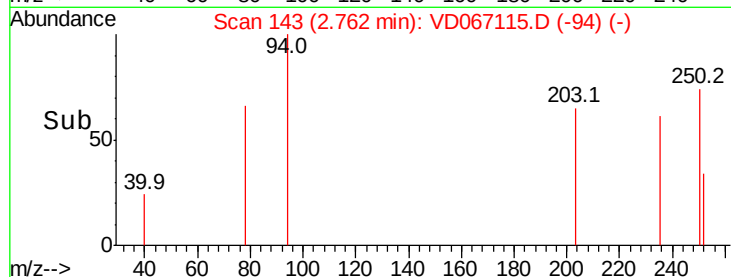
200

100

0

2.74 2.75 2.76 2.77 2.78

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Tgt Ion: 84 Resp: 5644

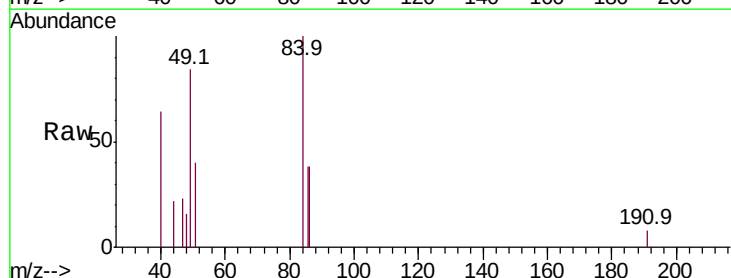
Ion Ratio Lower Upper

84 100

49 84.2 88.2 132.2#

51 39.6 26.6 39.8

86 76.1 52.1 78.1



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

3000

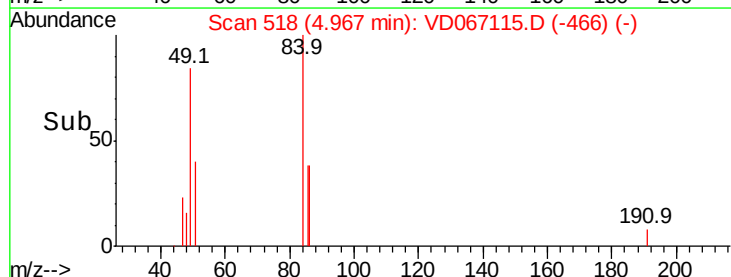
2000

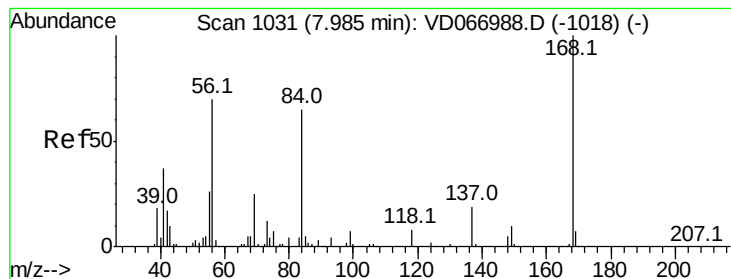
1000

0

4.85 4.90 4.95 5.00 5.05

Time-->





#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleID :

SC-9-(3.5)

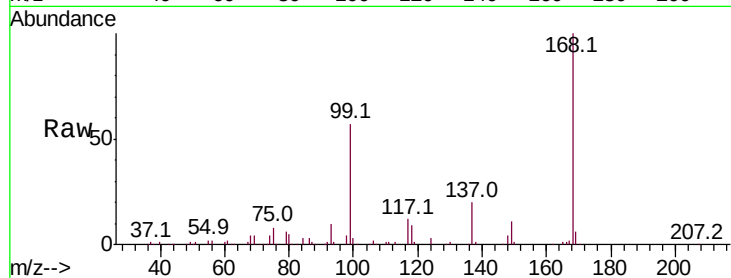
Tot Ion: 56 Resp: 7547

Ion Ratio Lower Upper

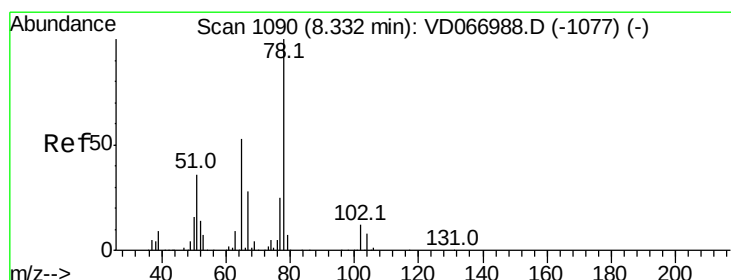
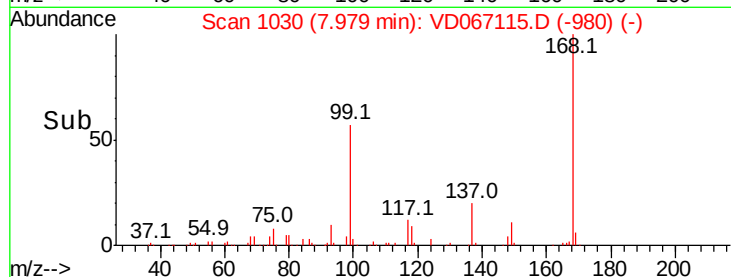
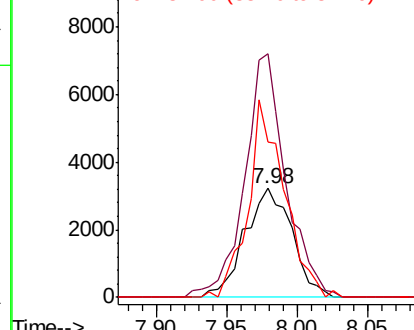
56 100

69 223.5 29.0 43.6#

84 142.9 74.2 111.2#



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: 54.187 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067115.D

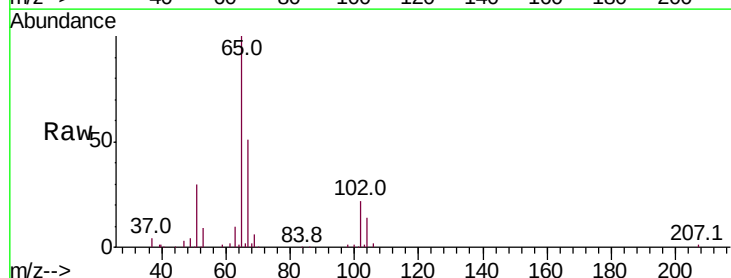
Acq: 06 Oct 2020 18:35

Tgt Ion: 65 Resp: 205369

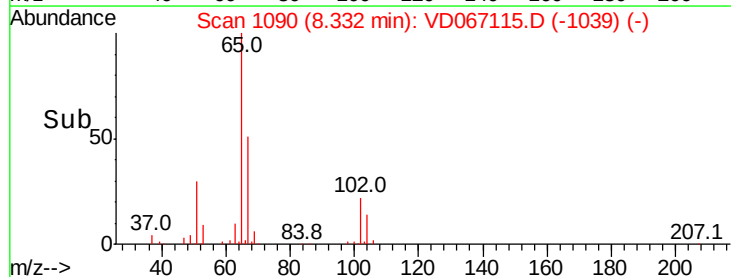
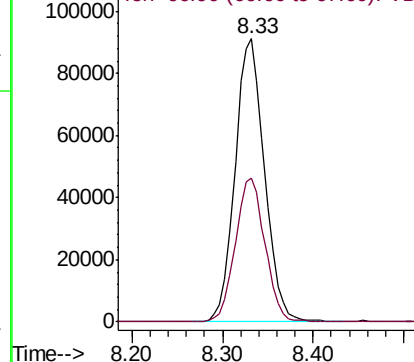
Ion Ratio Lower Upper

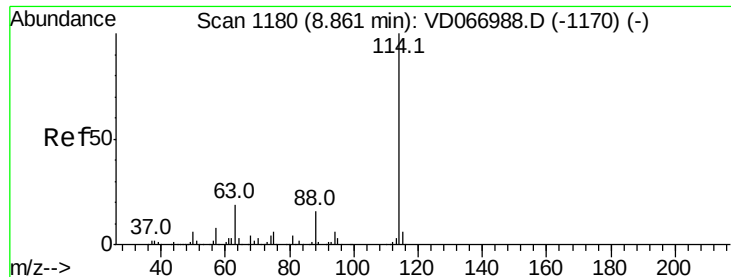
65 100

67 51.0 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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

SC-9-(3.5)

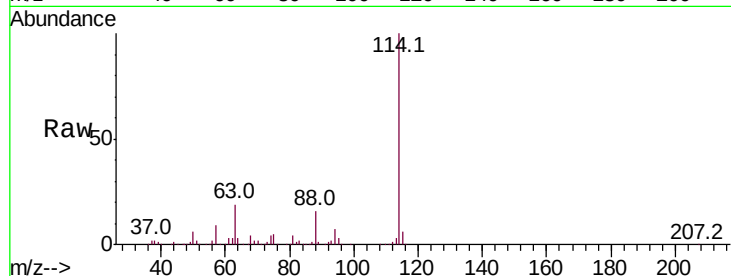
Tot Ion:114 Resp: 665730

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

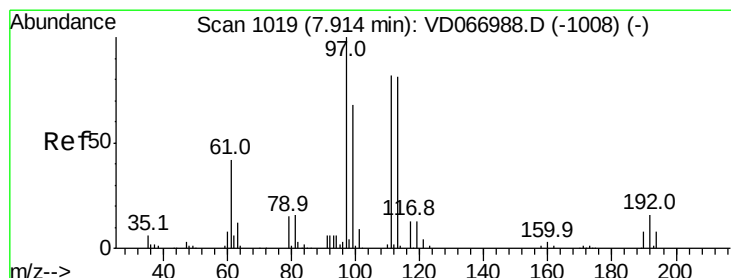
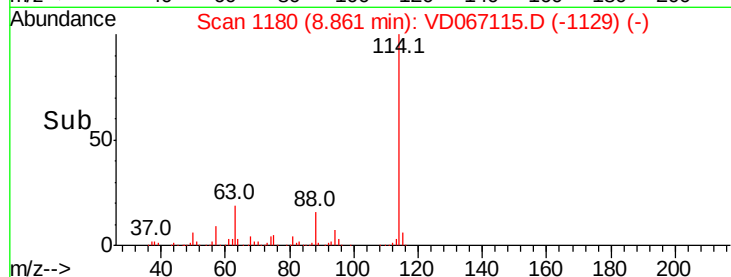
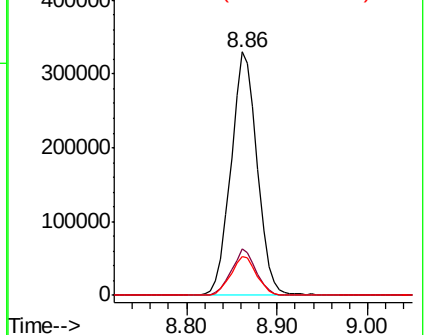
88 15.7 0.0 31.2



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: 51.036 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

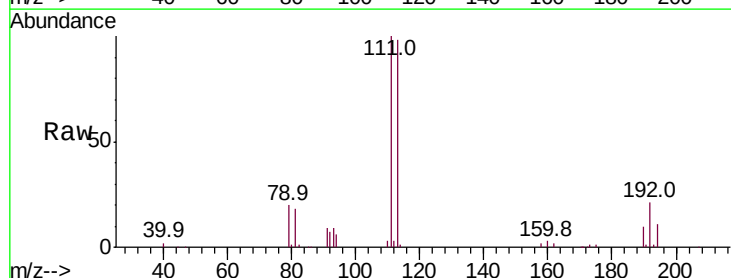
Tgt Ion:113 Resp: 222434

Ion Ratio Lower Upper

113 100

111 99.4 83.0 124.4

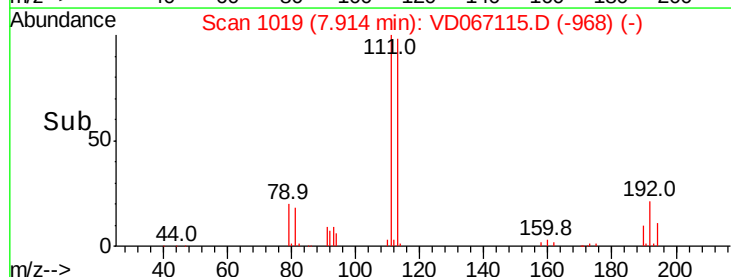
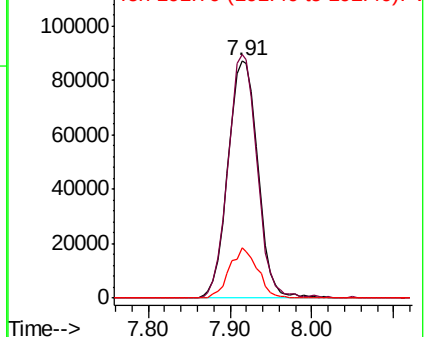
192 19.9 15.5 23.3

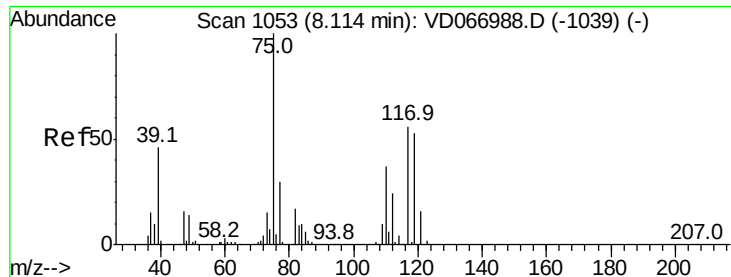


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

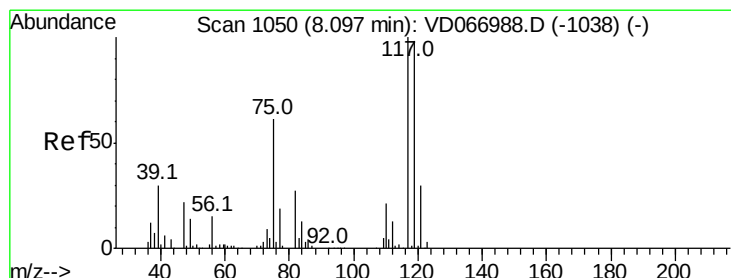
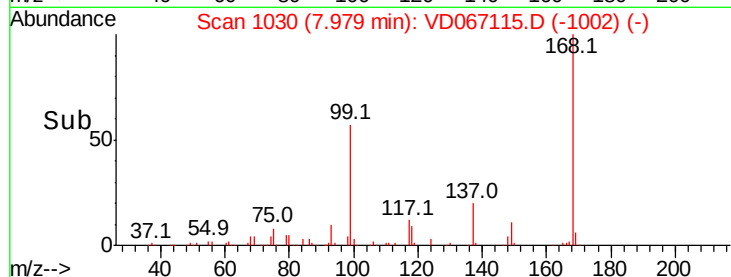
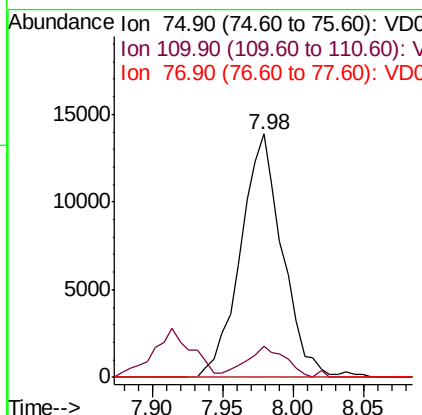
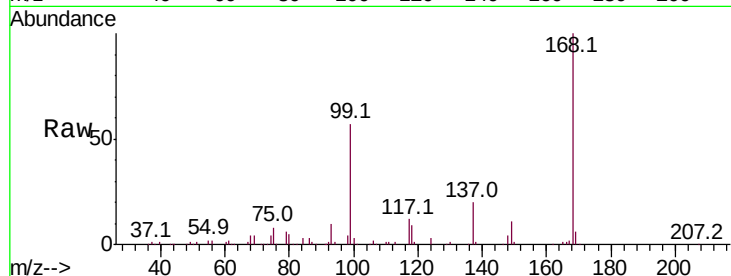




#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067115.D
 Acq: 06 Oct 2020 18:35

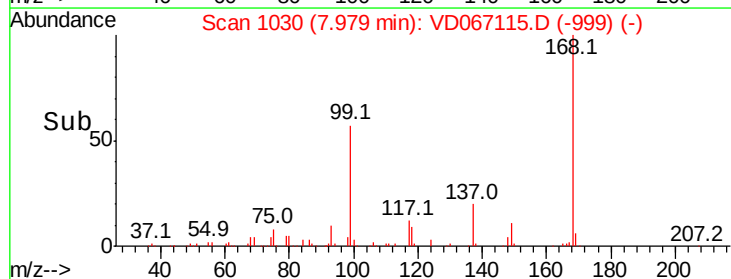
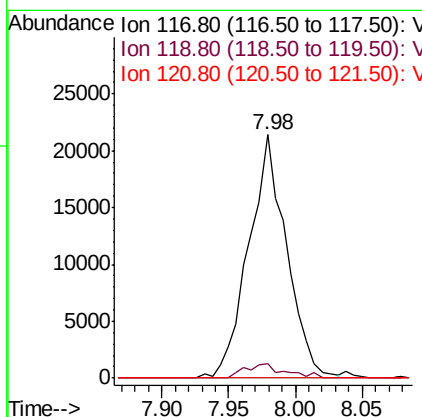
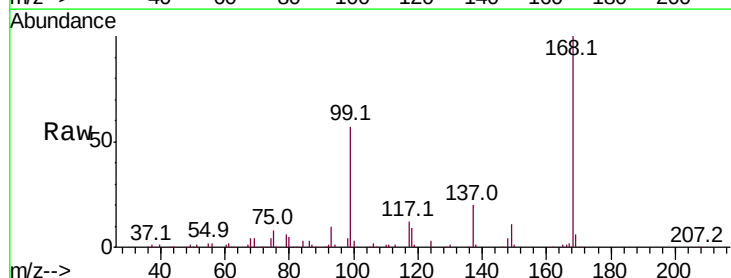
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-9-(3.5)

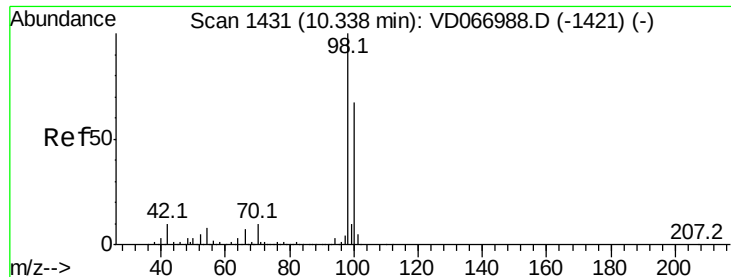
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.252 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067115.D
 Acq: 06 Oct 2020 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.7	118.1#
121	0.0	24.2	36.2#

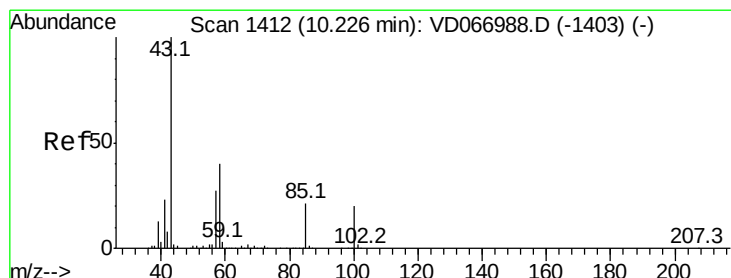
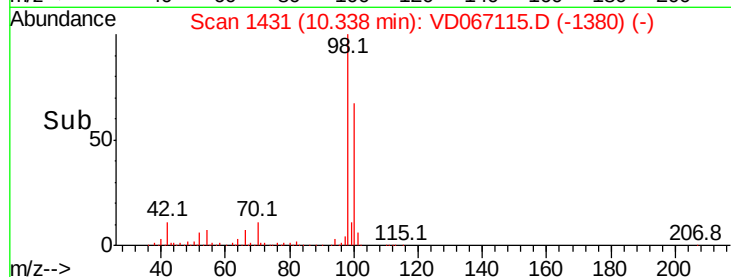
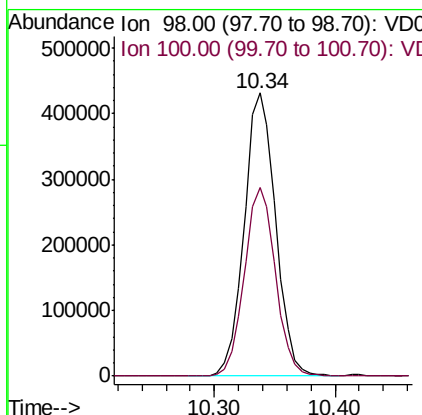
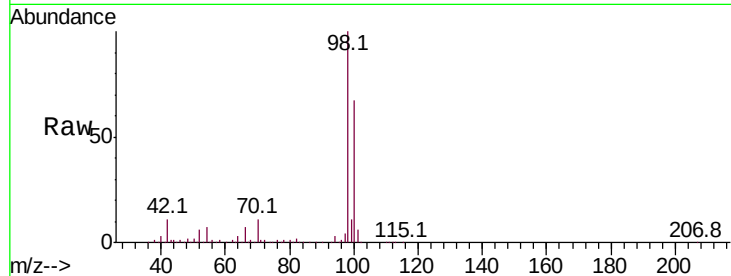




#50
Toluene-d8
Concen: 49.395 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067115.D
Acq: 06 Oct 2020 18:35

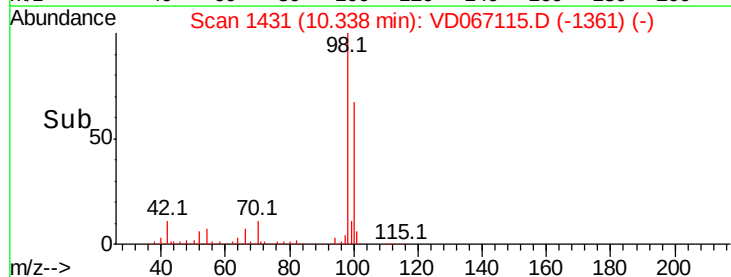
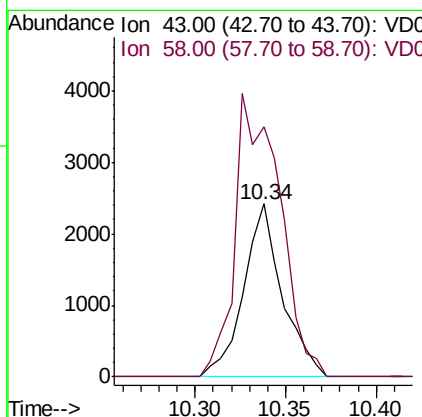
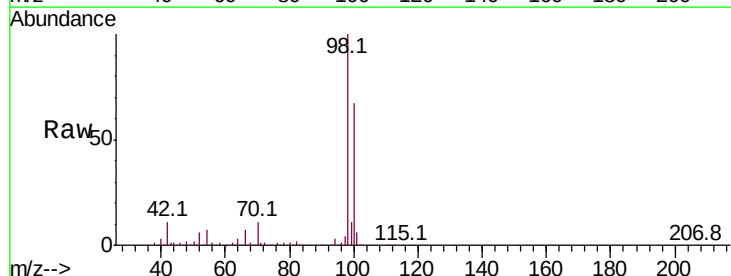
Instrument :
MSVOA_D
ClientSampleId :
SC-9-(3.5)

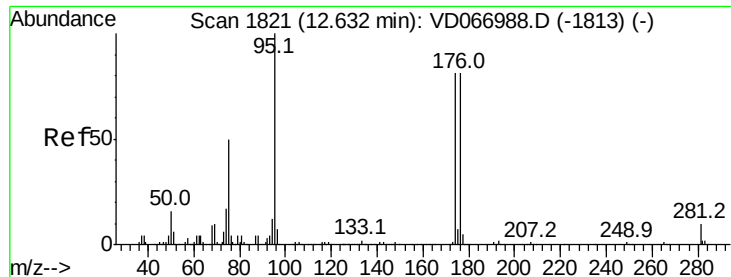
Tot Ion: 98 Resp: 784471
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.818 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067115.D
Acq: 06 Oct 2020 18:35

Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
58 189.5 33.8 50.8#

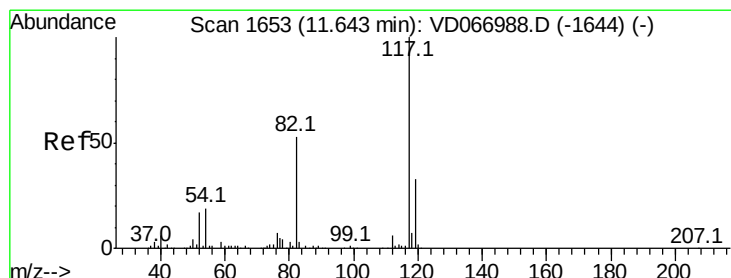
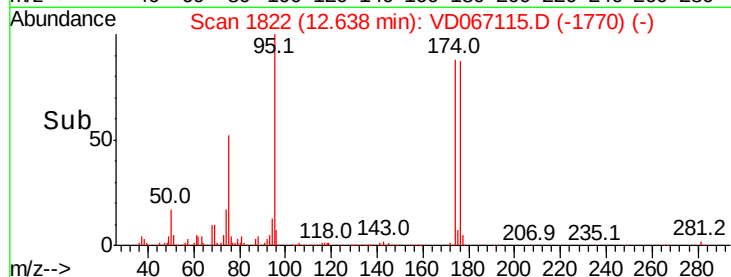
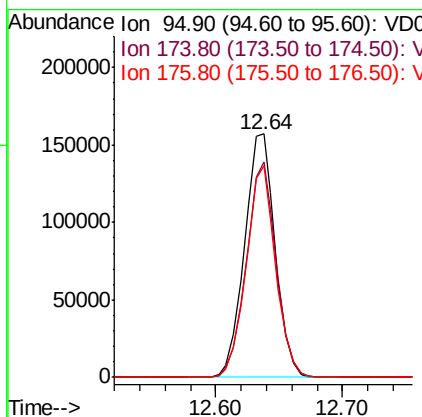
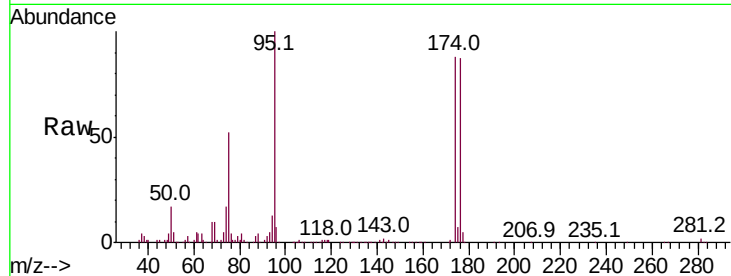




#62
4-Bromofluorobenzene
Concen: 48.852 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067115.D
Acq: 06 Oct 2020 18:35

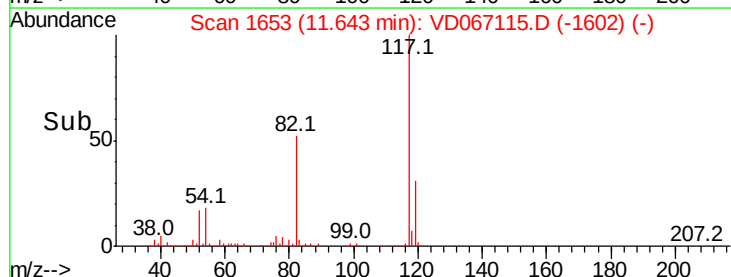
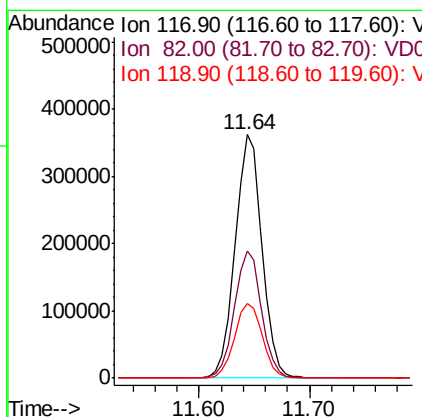
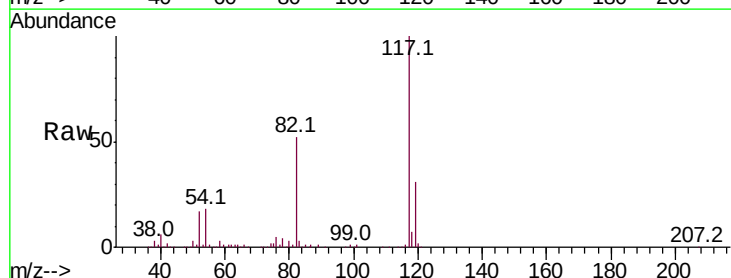
Instrument :
MSVOA_D
ClientSampleId :
SC-9-(3.5)

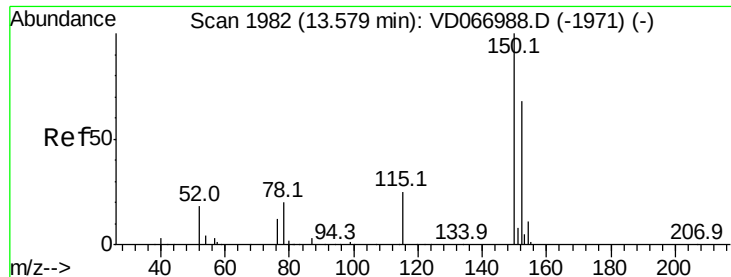
Tot Ion	95	Resp	263382
Ion Ratio	Lower	Upper	
95	100		
174	85.8	0.0	167.6
176	83.3	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067115.D
Acq: 06 Oct 2020 18:35

Tgt Ion	117	Resp	618995
Ion Ratio	Lower	Upper	
117	100		
82	52.1	42.6	63.8
119	30.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

SC-9-(3.5)

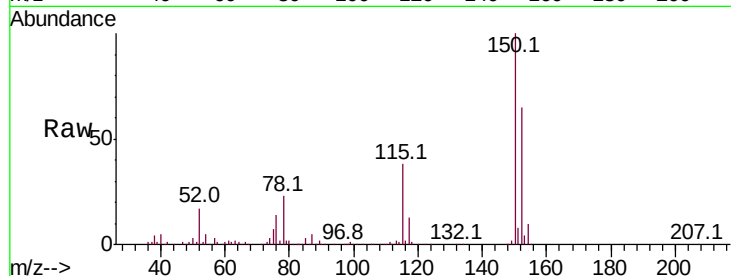
Tot Ion:152 Resp: 286090

Ion Ratio Lower Upper

152 100

115 60.6 29.6 88.8

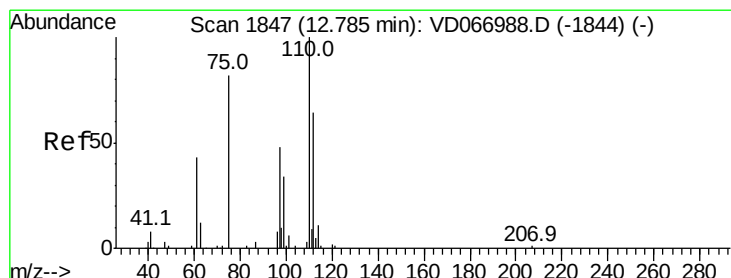
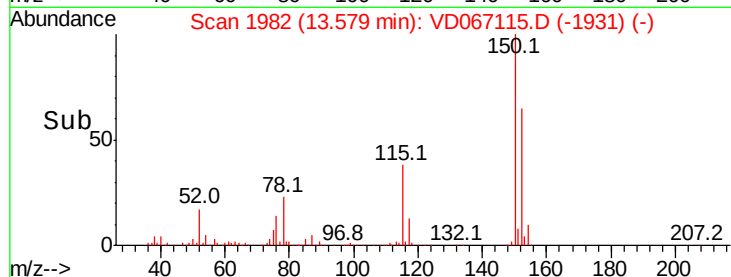
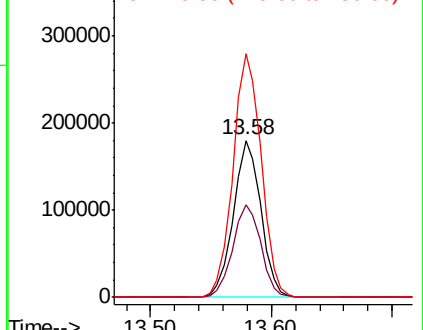
150 158.7 0.0 344.8



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: 52.996 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067115.D

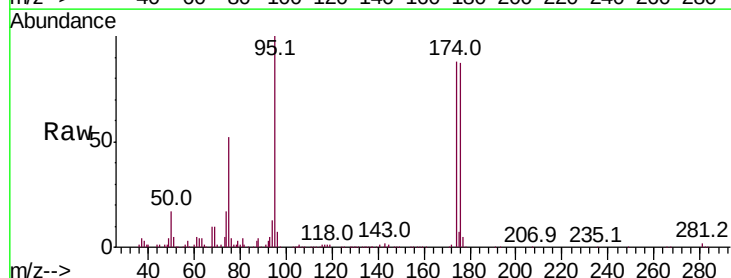
Acq: 06 Oct 2020 18:35

Tgt Ion: 75 Resp: 132062

Ion Ratio Lower Upper

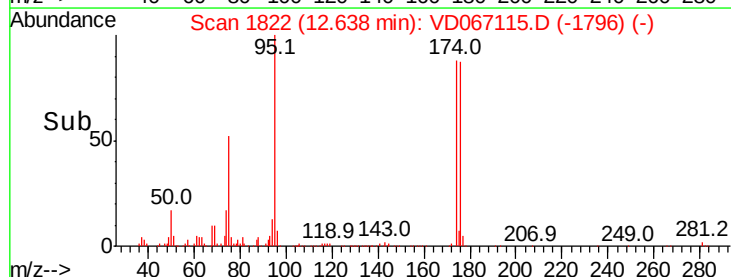
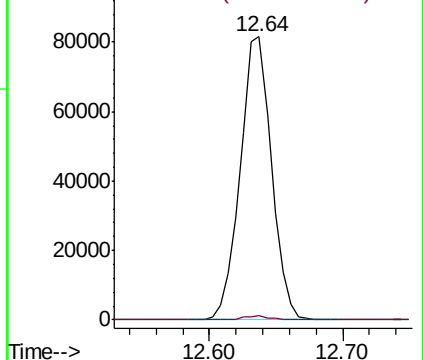
75 100

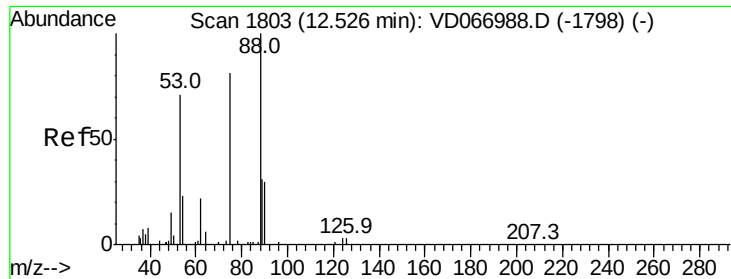
77 1.3 0.0 0.0#



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: 132.125 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067115.D

Acq: 06 Oct 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

SC-9-(3.5)

Tot Ion: 75 Resp: 132062

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 38.9 58.3#

