

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066656.D
 Acq On : 11 Sep 2020 18:47
 Operator : VA/SY
 Sample : L3981-07
 Misc : 9.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B19-0-2

Quant Time: Sep 12 01:32:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

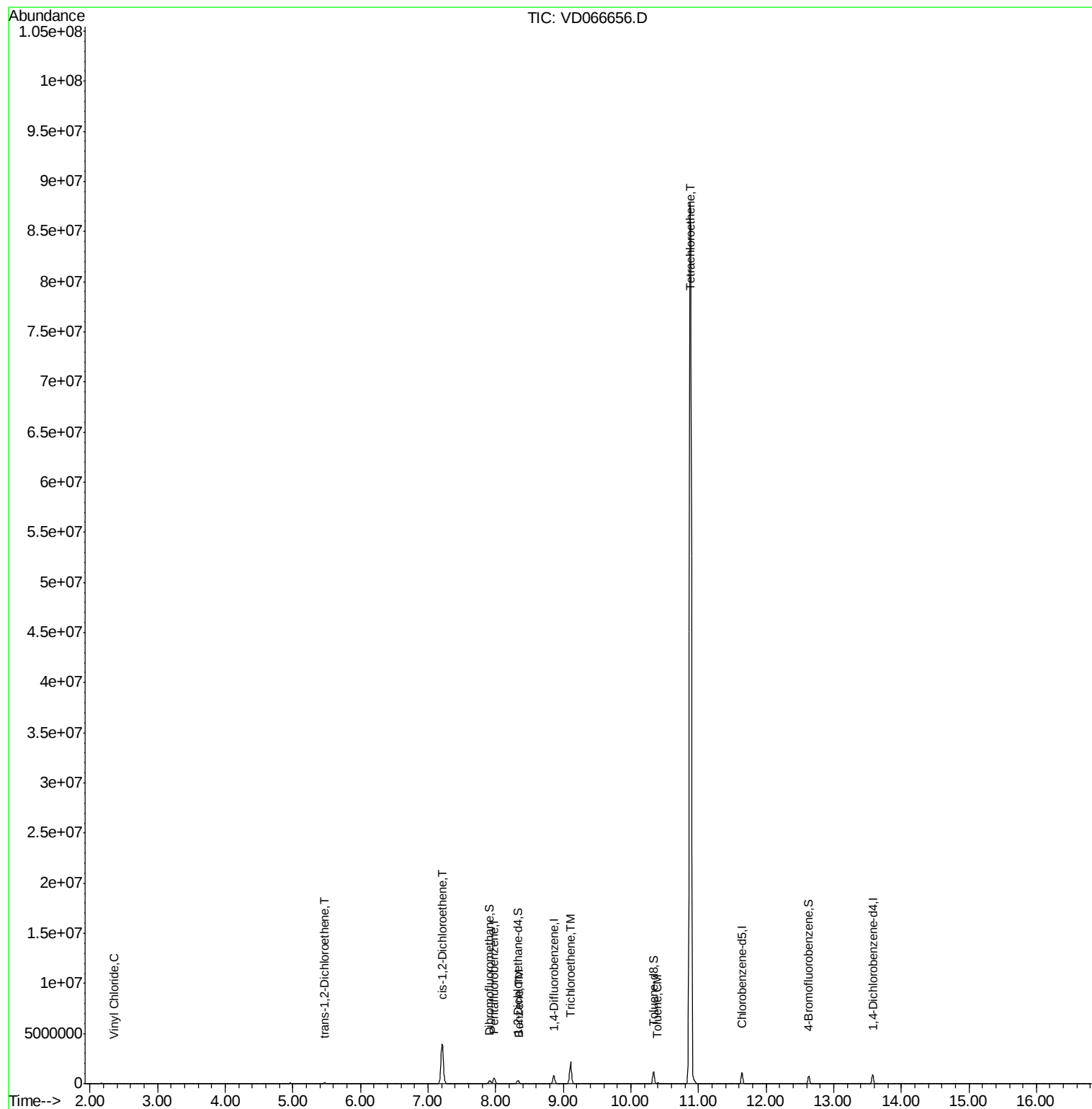
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	670054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	210878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	233260	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.91	113	228996	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.34	98	797243	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.63	95	238100	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	
Target Compounds						
4) Vinyl Chloride	2.35	62	11138	2.071	ug/l #	82
21) trans-1,2-Dichloroethene	5.47	96	33023	7.198	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	2343532	475.002	ug/l	88
40) Benzene	8.35	78	25434	1.332	ug/l	93
44) Trichloroethene	9.11	130	763596	152.426	ug/l	89
52) Toluene	10.40	92	21750	1.799	ug/l	97
64) Tetrachloroethene	10.87	164	21679715	5374.744	ug/l #	88

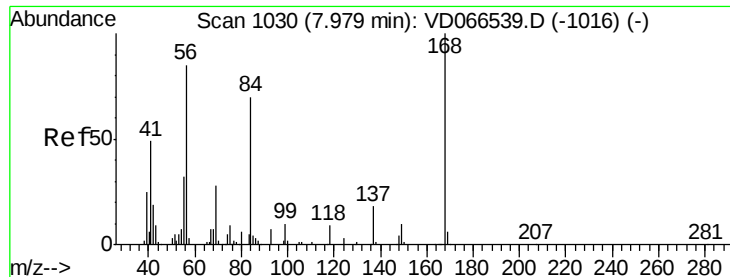
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 01:57:04 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

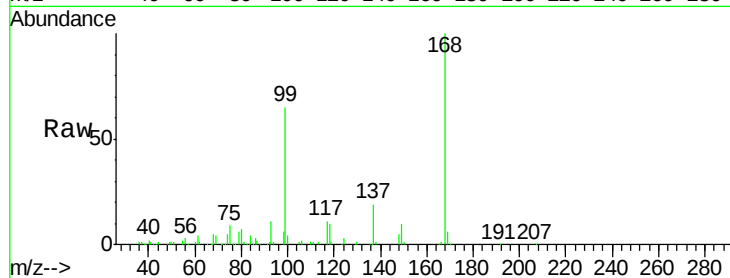
B19-0-2

Tot Ion:168 Resp: 383474

Ion Ratio Lower Upper

168 100

99 64.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

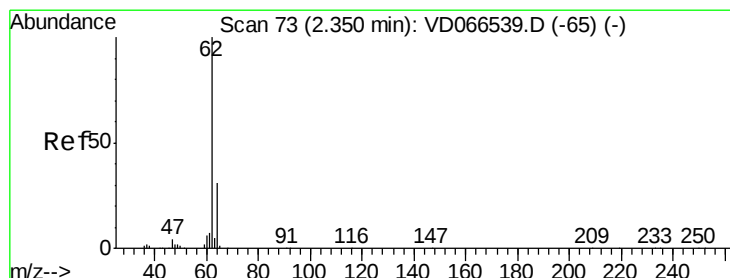
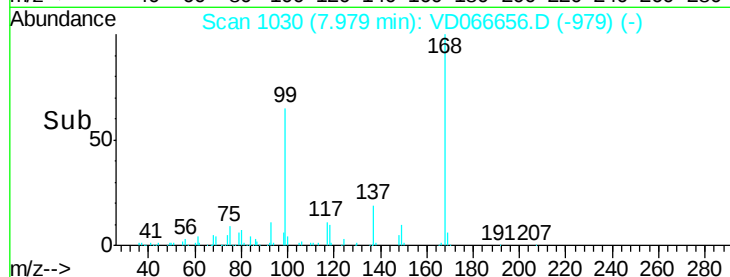
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 2.071 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066656.D

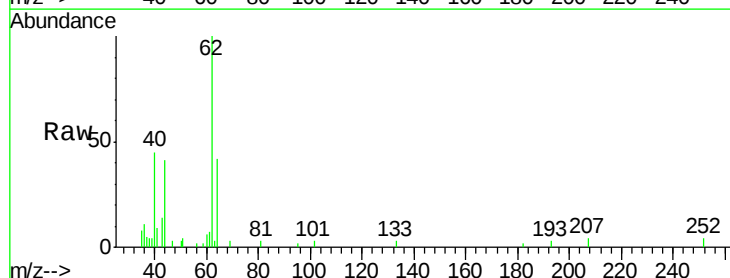
Acq: 11 Sep 2020 18:47

Tgt Ion: 62 Resp: 11138

Ion Ratio Lower Upper

62 100

64 41.6 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

8000

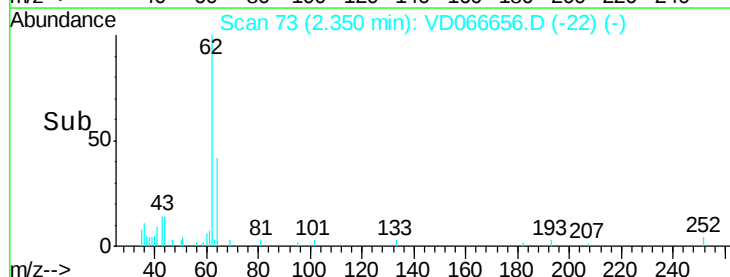
6000

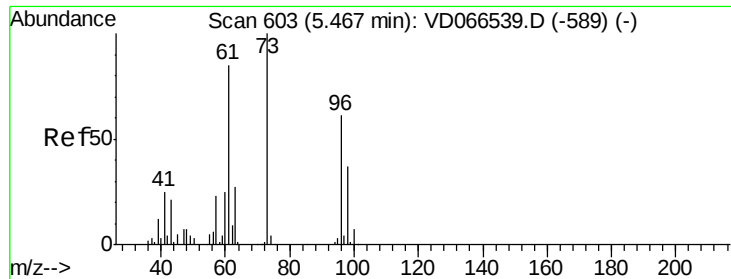
4000

2000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 7.198 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampled :

B19-0-2

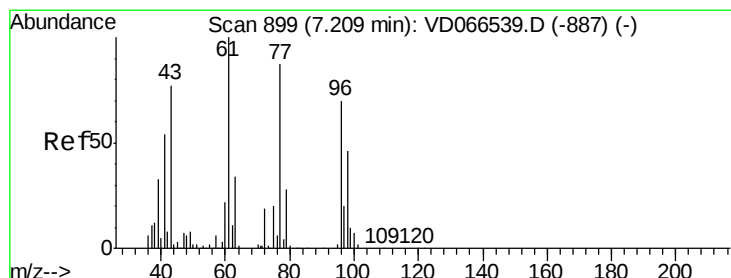
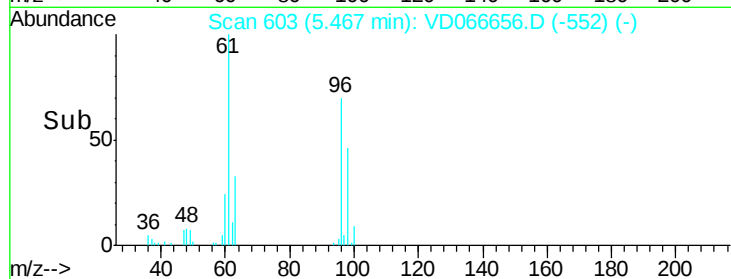
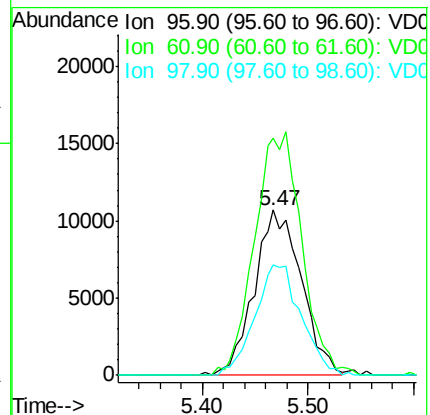
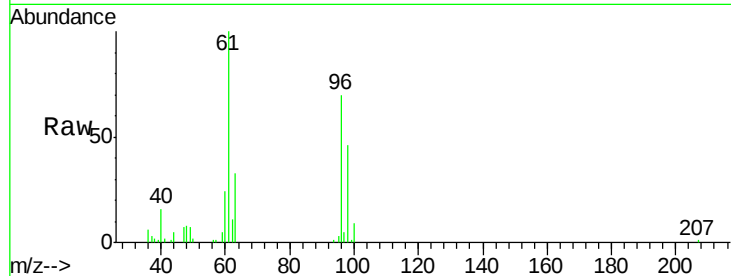
Tot Ion: 96 Resp: 33023

Ion Ratio Lower Upper

96 100

61 143.8 112.1 168.1

98 66.8 48.6 72.8



#27

cis-1,2-Dichloroethene

Concen: 475.002 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

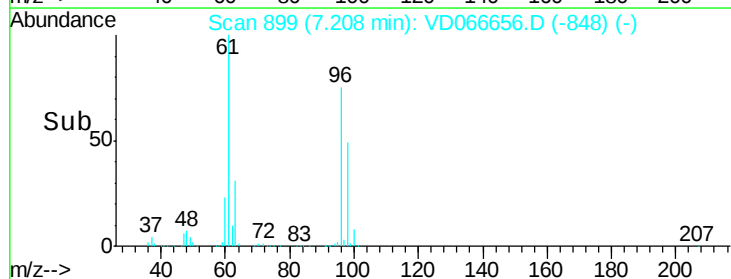
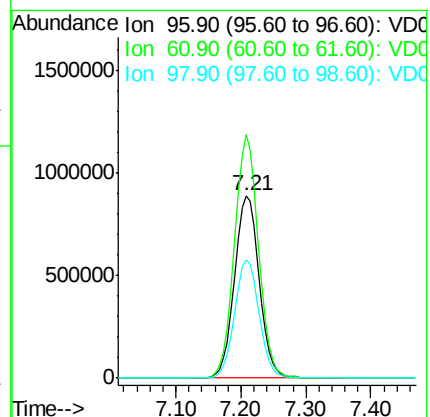
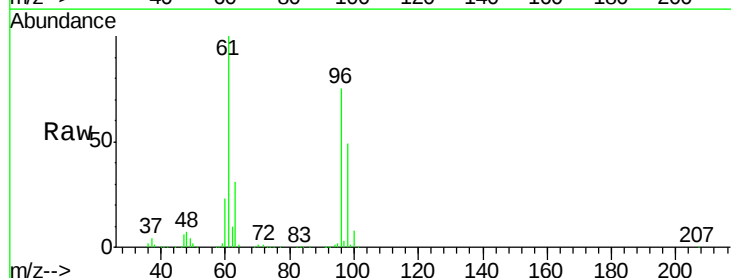
Tgt Ion: 96 Resp: 2343532

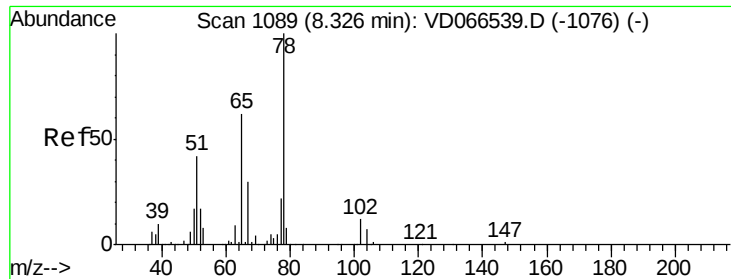
Ion Ratio Lower Upper

96 100

61 129.6 0.0 301.0

98 64.6 0.0 129.8

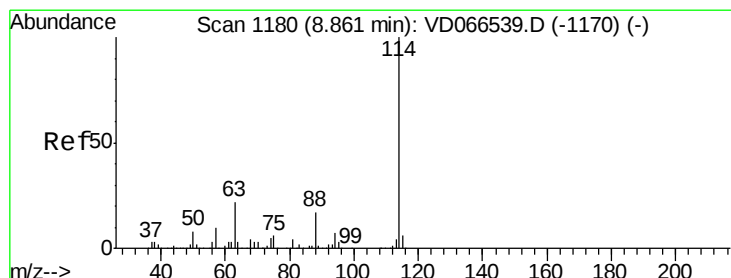
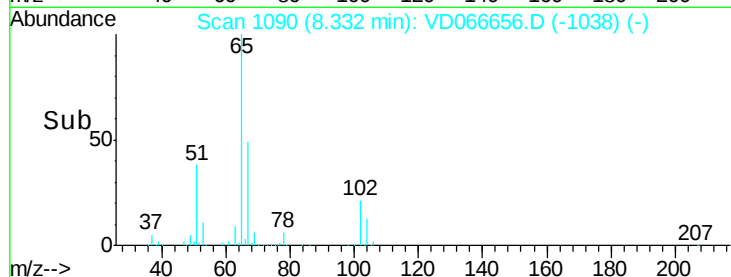
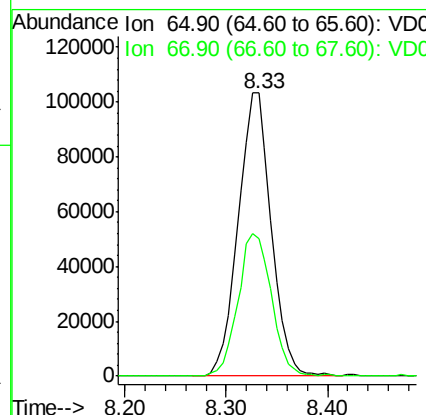
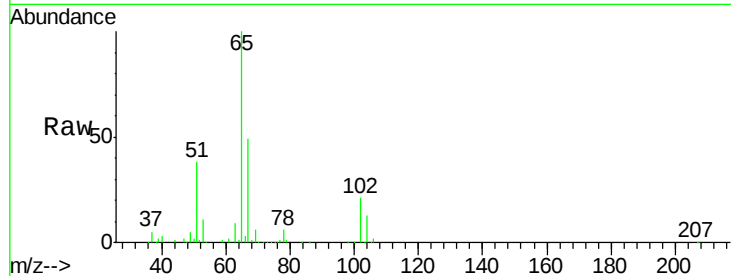




#33
 1,2-Dichloroethane-d4
 Concen: 50.275 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066656.D
 Acq: 11 Sep 2020 18:47

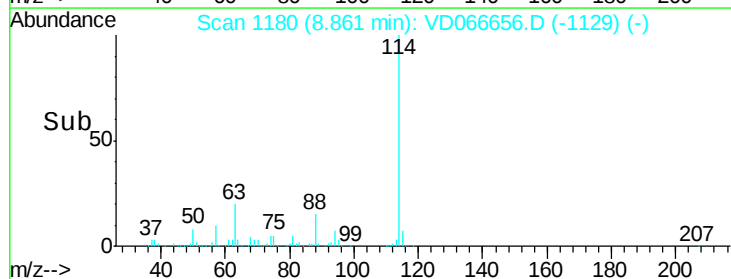
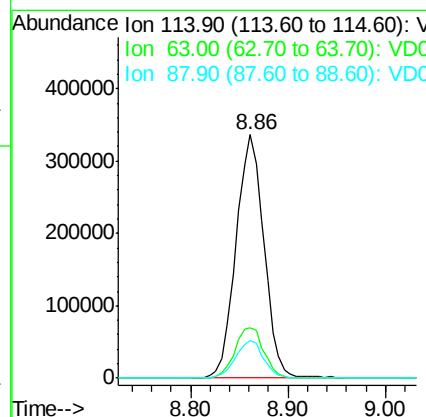
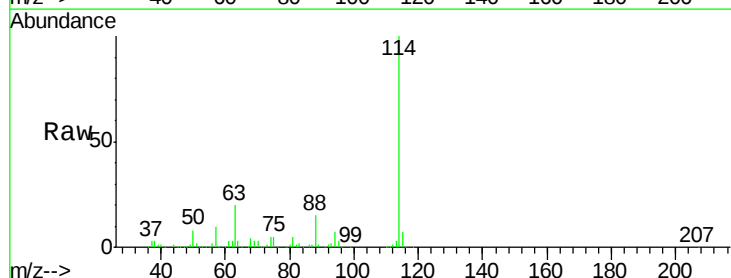
Instrument :
 MSVOA_D
 ClientSampleId :
 B19-0-2

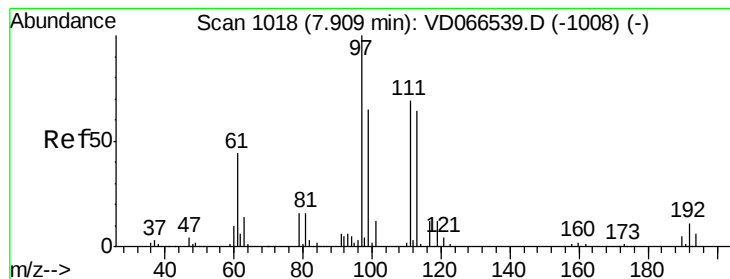
Tot Ion: 65 Resp: 233260
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066656.D
 Acq: 11 Sep 2020 18:47

Tgt Ion: 114 Resp: 670054
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.2
 88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.660 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

B19-0-2

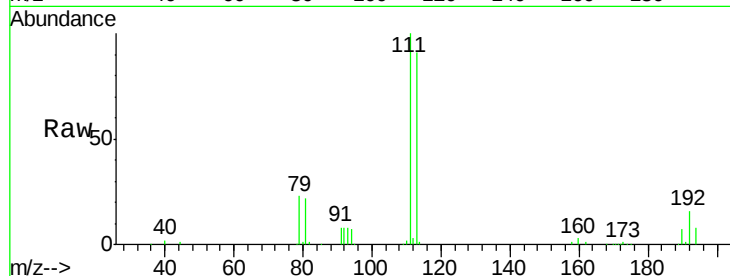
Tot Ion:113 Resp: 228996

Ion Ratio Lower Upper

113 100

111 101.0 83.2 124.8

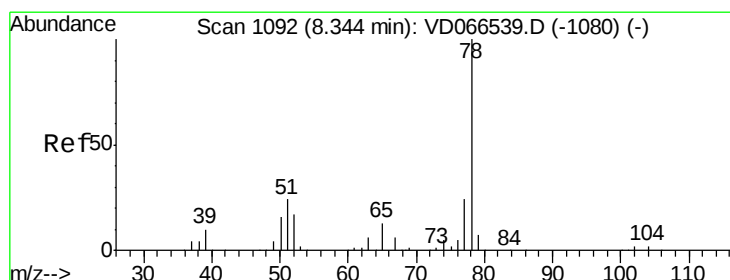
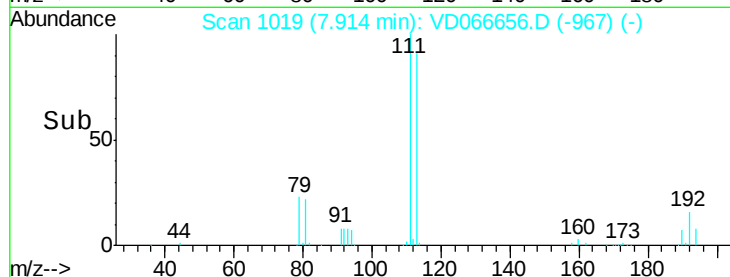
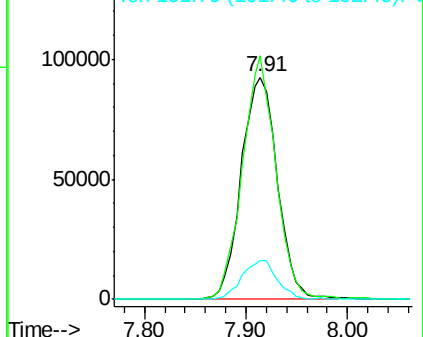
192 17.1 13.7 20.5



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



#40

Benzene

Concen: 1.332 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD066656.D

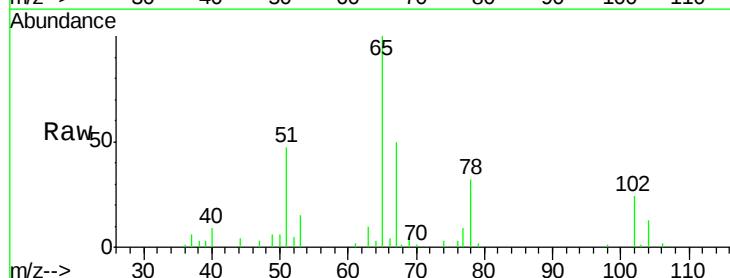
Acq: 11 Sep 2020 18:47

Tgt Ion: 78 Resp: 25434

Ion Ratio Lower Upper

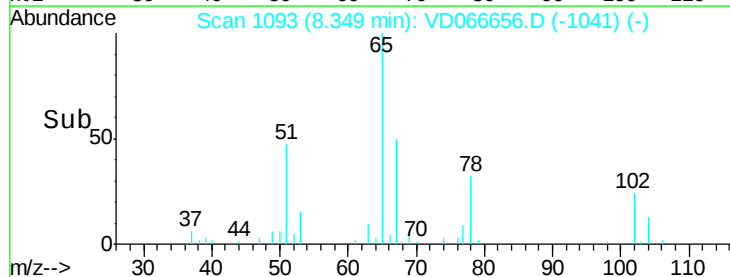
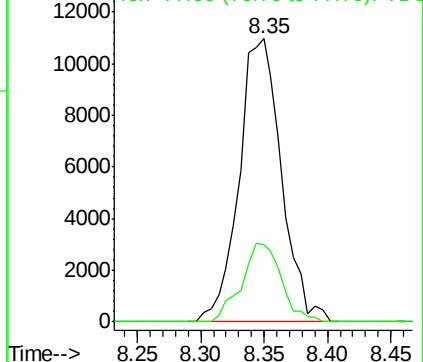
78 100

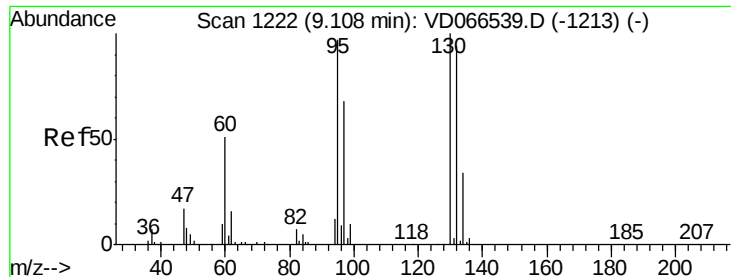
77 27.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#44

Trichloroethene

Concen: 152.426 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

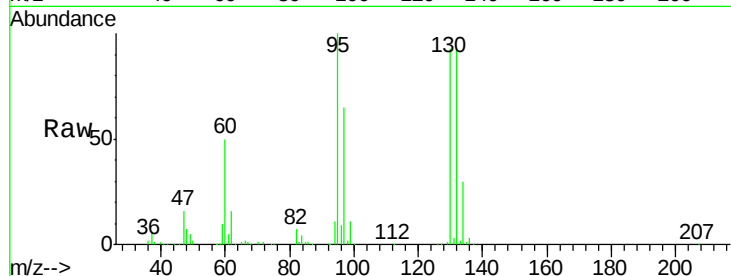
B19-0-2

Tot Ion:130 Resp: 763596

Ion Ratio Lower Upper

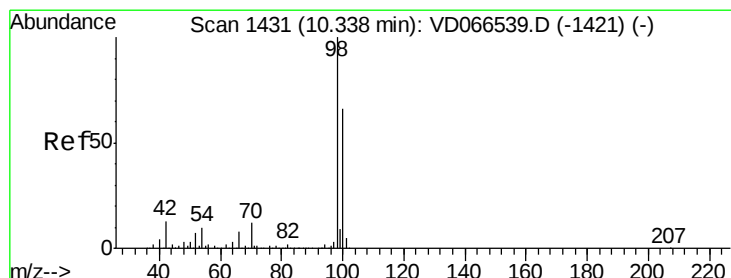
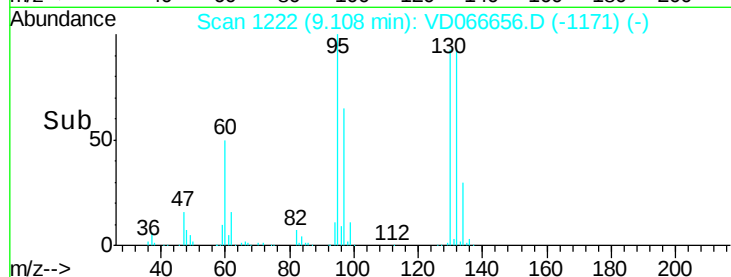
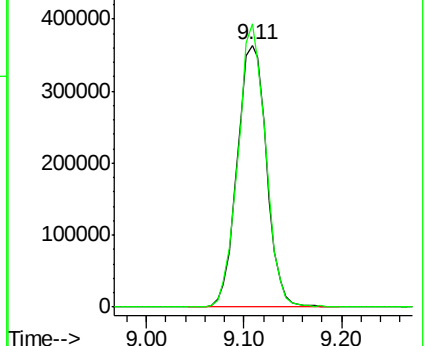
130 100

95 108.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 49.347 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066656.D

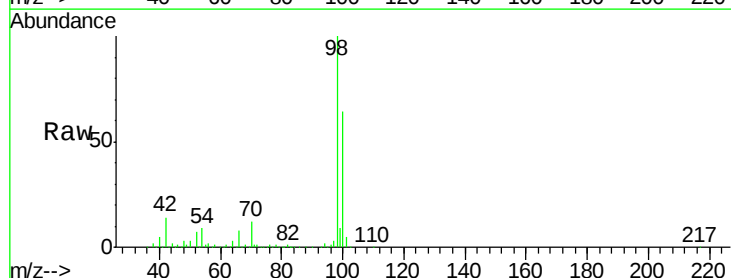
Acq: 11 Sep 2020 18:47

Tgt Ion: 98 Resp: 797243

Ion Ratio Lower Upper

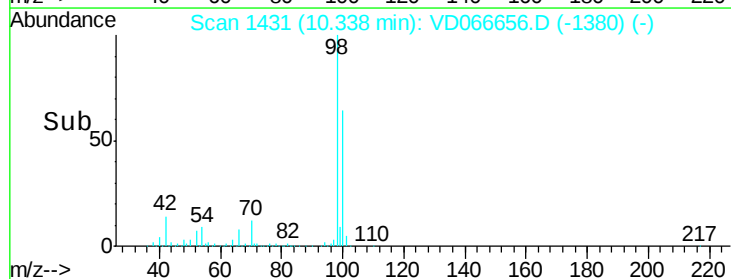
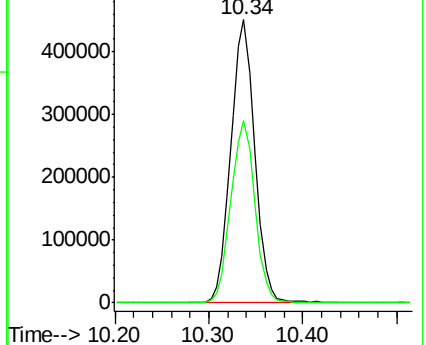
98 100

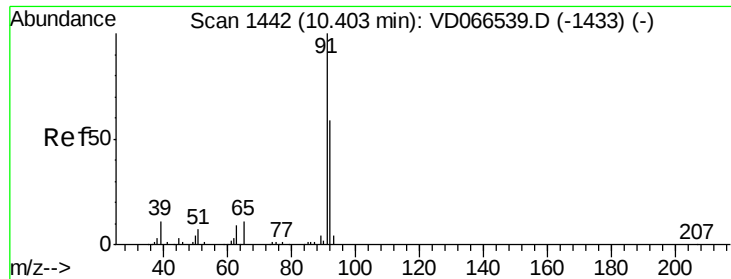
100 64.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 1.799 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

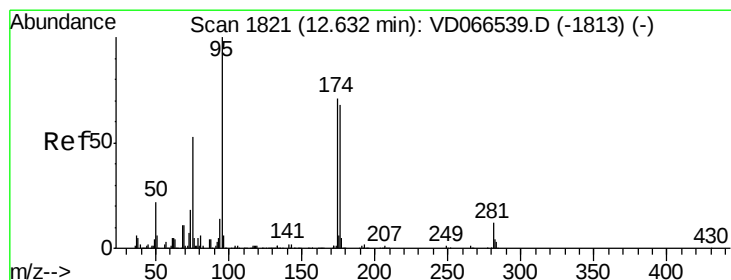
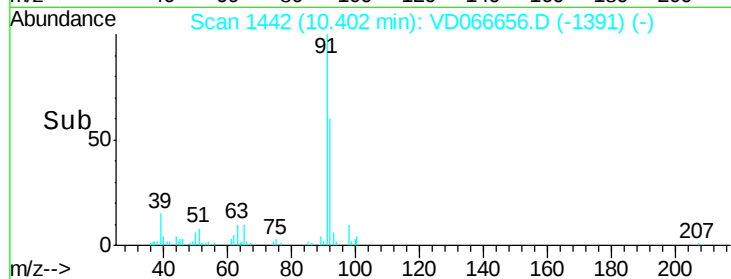
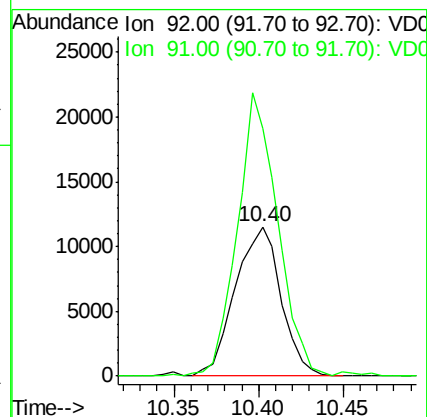
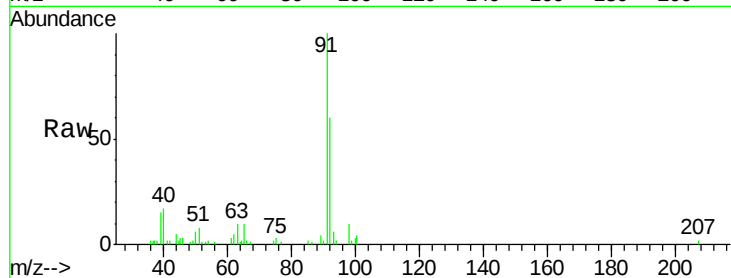
B19-0-2

Tot Ion: 92 Resp: 21750

Ion Ratio Lower Upper

92 100

91 167.0 137.4 206.2



#62

4-Bromofluorobenzene

Concen: 44.445 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

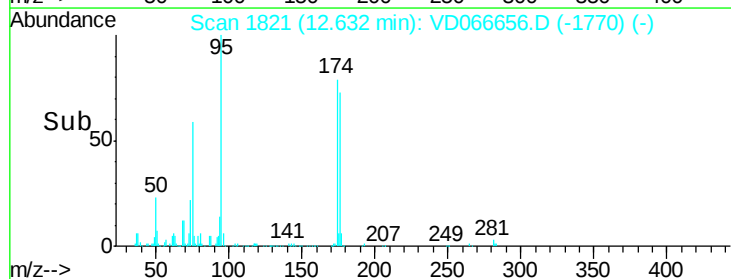
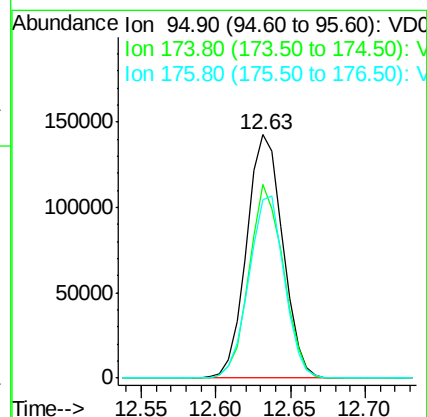
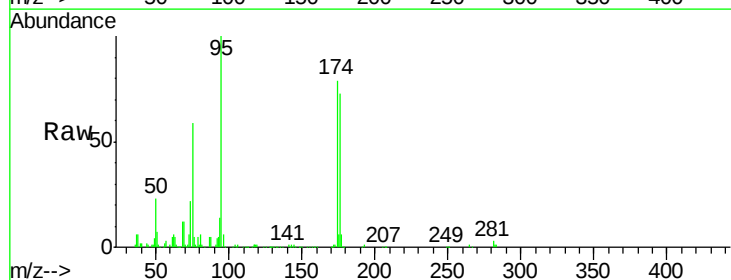
Tgt Ion: 95 Resp: 238100

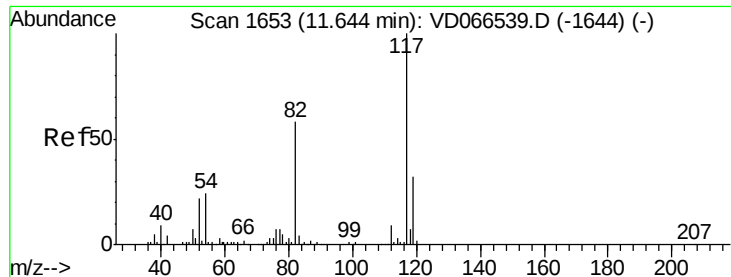
Ion Ratio Lower Upper

95 100

174 75.6 0.0 155.8

176 73.4 0.0 148.6

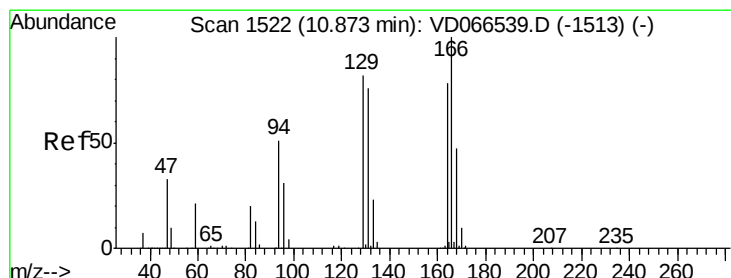
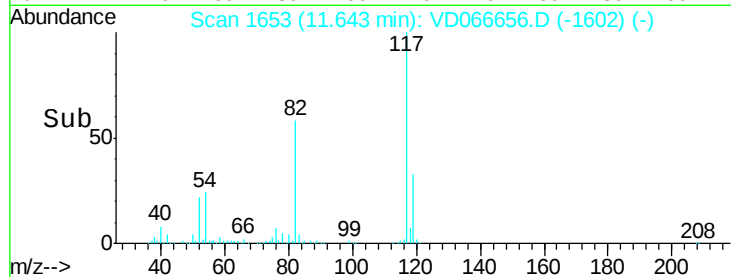
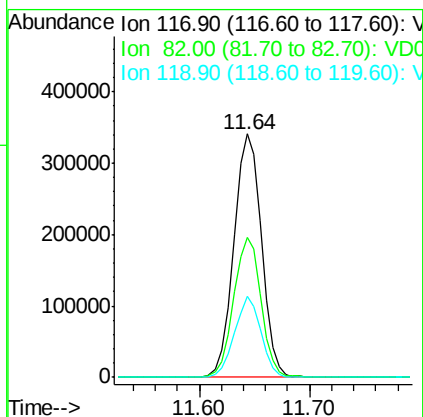
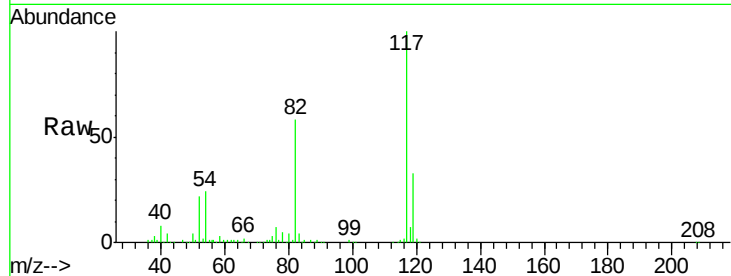




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066656.D
Acq: 11 Sep 2020 18:47

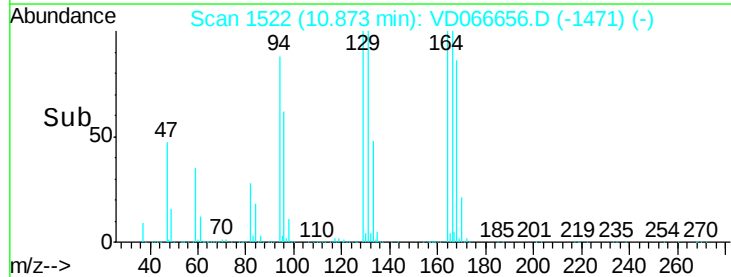
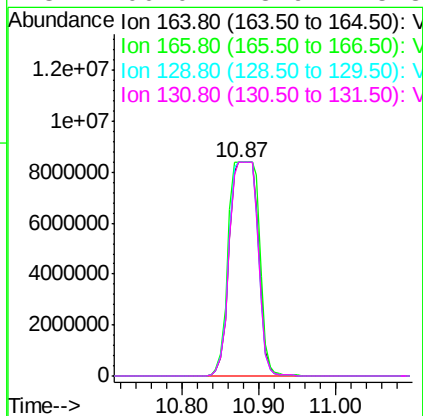
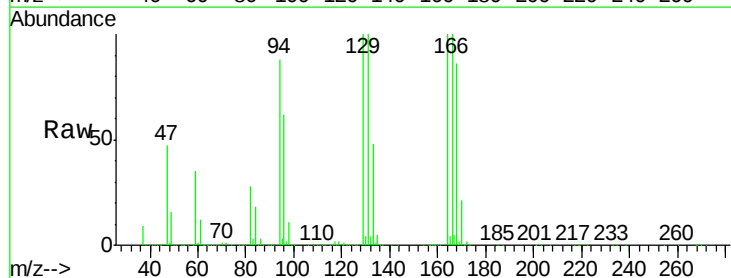
Instrument :
MSVOA_D
ClientSampleId :
B19-0-2

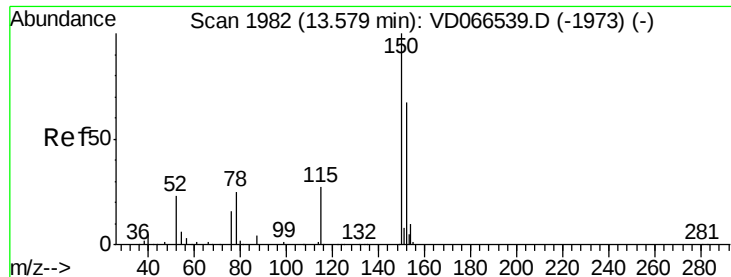
Tot Ion:117 Resp: 599080
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 33.2 25.8 38.8



#64
Tetrachloroethene
Concen: 5374.744 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066656.D
Acq: 11 Sep 2020 18:47

Tgt Ion:164 Resp:21679715
Ion Ratio Lower Upper
164 100
166 100.0 103.2 154.8#
129 100.0 84.5 126.7
131 100.0 78.9 118.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066656.D

Acq: 11 Sep 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

B19-0-2

Tot Ion:152 Resp: 210878

Ion Ratio Lower Upper

152 100

115 62.6 30.4 91.2

150 160.1 0.0 345.8

