

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100320\
 Data File : VV018661.D
 Acq On : 03 Oct 2020 17:44
 Operator : SY/MD
 Sample : L4237-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AB8

Quant Time: Oct 05 04:58:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 04:50:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	229619	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80230	59.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.16%
7) Chloroethane-d5	1.58	69	77792	69.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	139.72%#
11) 1,1-Dichloroethene-d2	2.12	63	135712	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
21) 2-Butanone-d5	3.92	46	110682	110.19	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.19%
24) Chloroform-d	4.38	84	174951	60.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.16%
26) 1,2-Dichloroethane-d4	5.06	65	121152	65.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.08%#
32) Benzene-d6	5.08	84	335628	56.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.84%
36) 1,2-Dichloropropane-d6	6.09	67	106544	59.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.62%
41) Toluene-d8	7.34	98	308910	55.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.38%
43) trans-1,3-Dichloropropene-	7.64	79	52183	54.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.44%
47) 2-Hexanone-d5	8.11	63	60762	89.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.80%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	119903	50.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	136457	64.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	129.10%#

Target Compounds

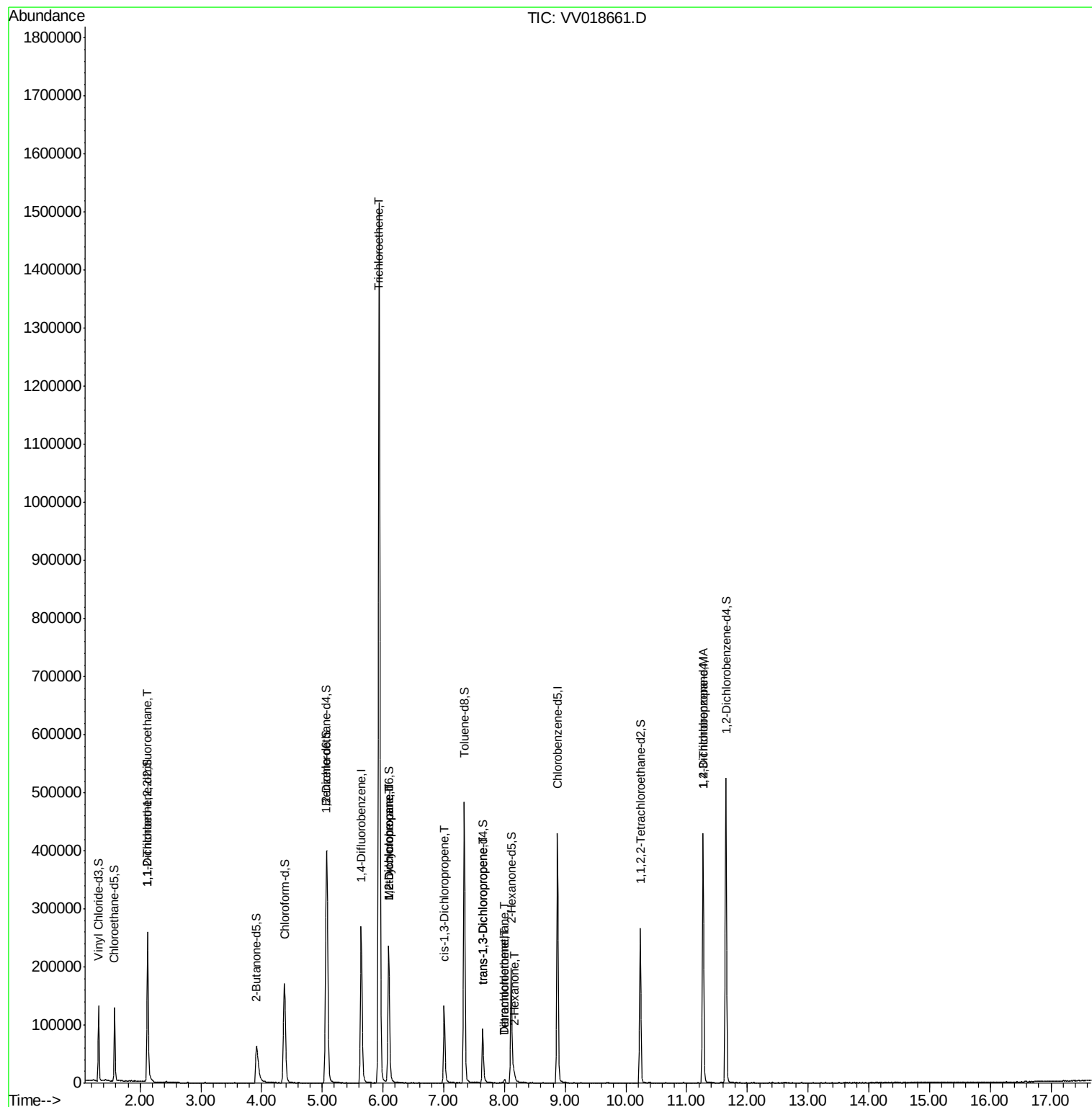
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1199	0.802	ug/L #	17
34) Trichloroethene	5.94	95	500414	252.055	ug/L	99
35) Methylcyclohexane	6.09	83	27445	10.248	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	12546	7.151	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	3403	1.236	ug/L	86
44) trans-1,3-Dichloropropene	7.64	75	2614	0.967	ug/L #	79
46) Tetrachloroethene	8.00	164	1117	0.694	ug/L	93
48) 2-Hexanone	8.16	43	9662	5.470	ug/L #	46
49) Dibromochloromethane	8.00	129	1101	0.554	ug/L #	11
59) 1,2,3-Trichloropropane	11.27	75	12398	5.809	ug/L	89

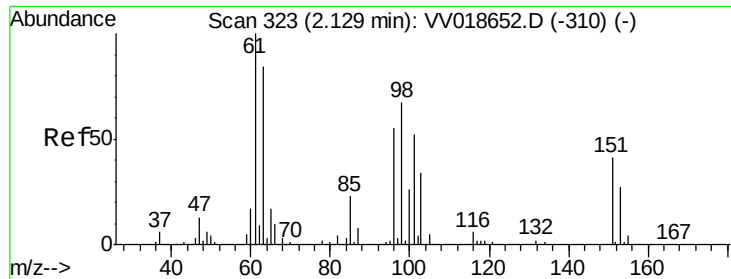
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 05 04:50:26 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.802 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018661.D

Acq: 03 Oct 2020 17:44

Instrument :

MSVOA_V

ClientSampleId :

E0AB8

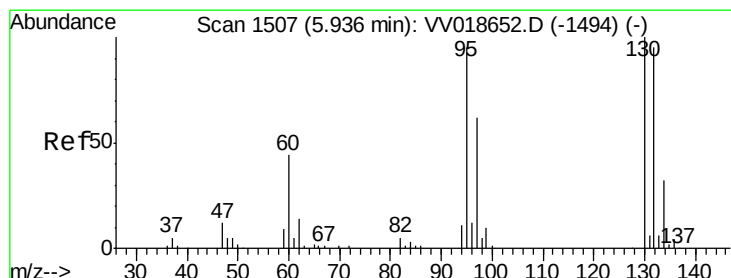
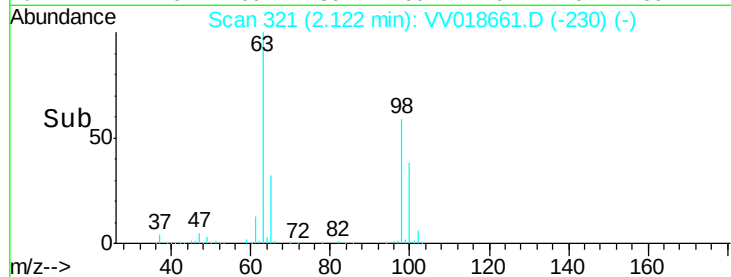
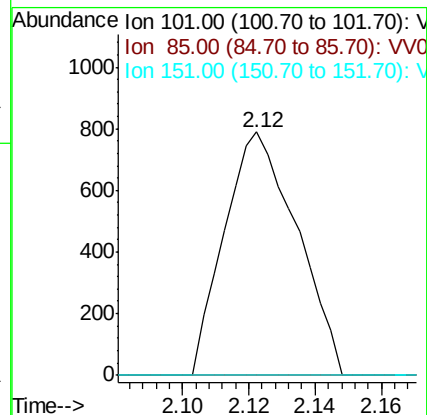
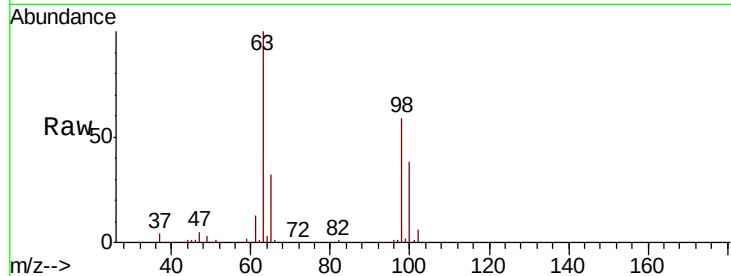
Tot Ion:101 Resp: 1199

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 64.3 96.5#



#34

Trichloroethene

Concen: 252.055 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018661.D

Acq: 03 Oct 2020 17:44

Tgt Ion: 95 Resp: 500414

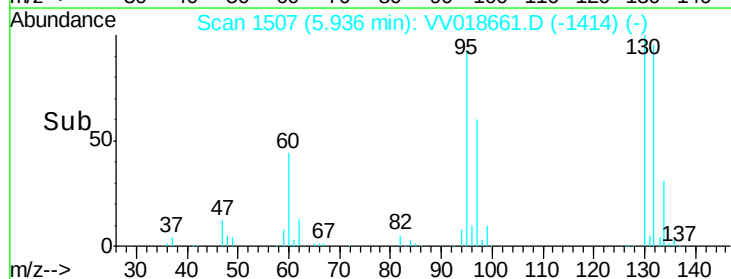
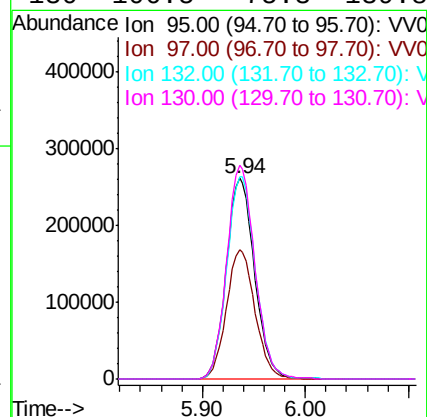
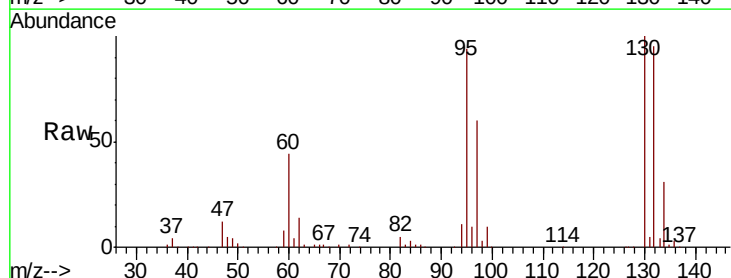
Ion Ratio Lower Upper

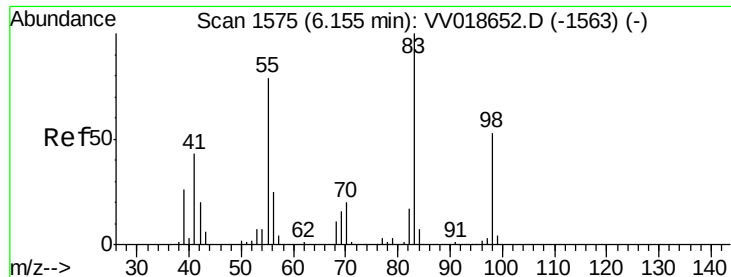
95 100

97 64.3 45.9 85.3

132 101.1 70.8 131.4

130 106.5 75.3 139.8

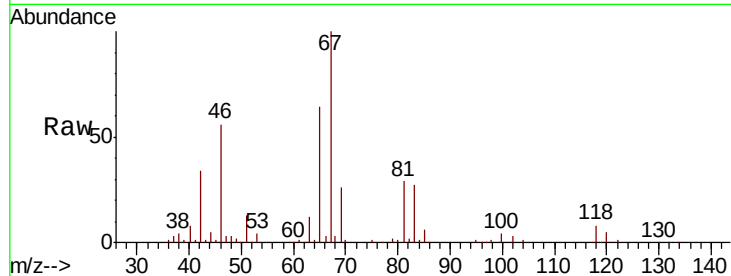




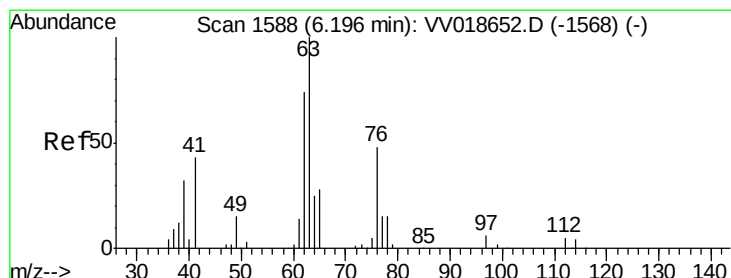
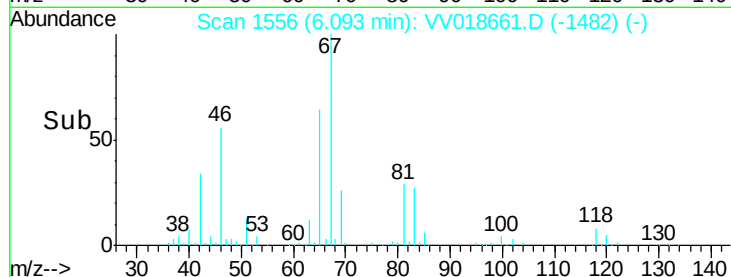
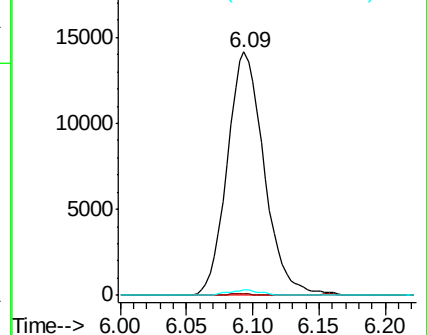
#35
Methylvlcyclohexane
Concen: 10.248 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018661.D
Acq: 03 Oct 2020 17:44

Instrument :
MSVOA_V
ClientSampleId :
E0AB8

Tot Ion: 83 Resp: 27445
Ion Ratio Lower Upper
83 100
55 0.3 60.1 90.1#
98 1.8 40.2 60.4#

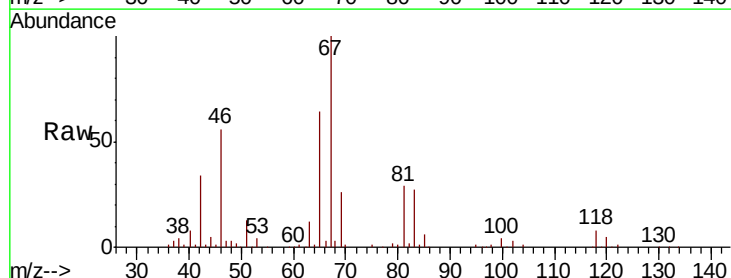


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

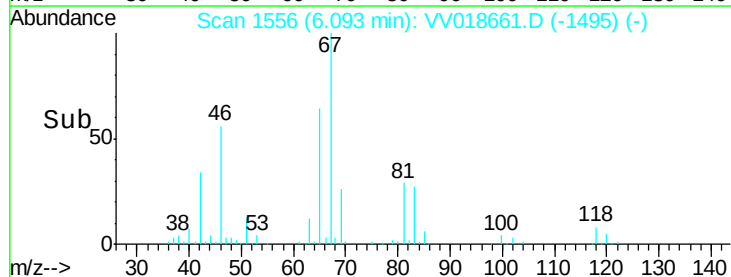
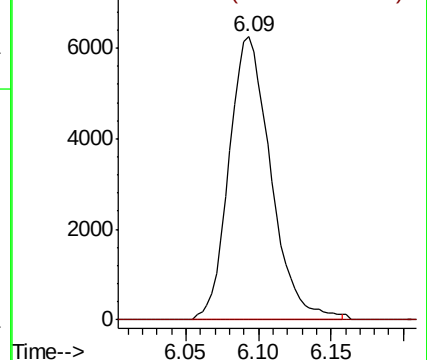


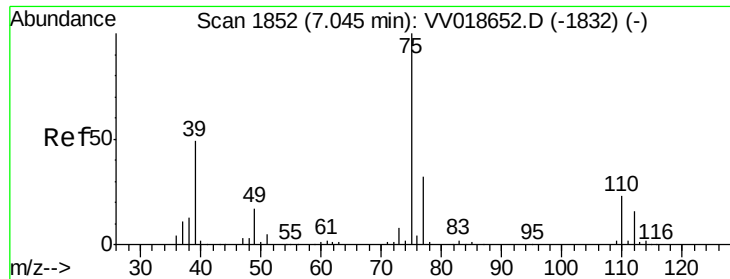
#37
1,2-Dichloropropane
Concen: 7.151 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018661.D
Acq: 03 Oct 2020 17:44

Tgt Ion: 63 Resp: 12546
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

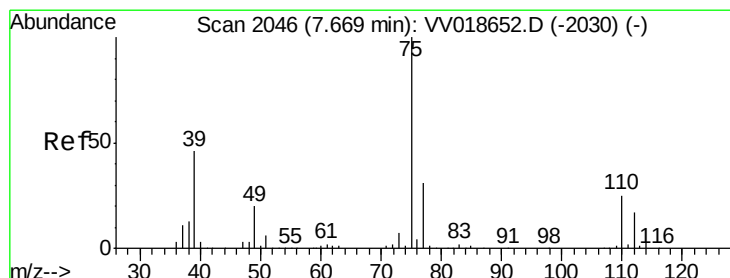
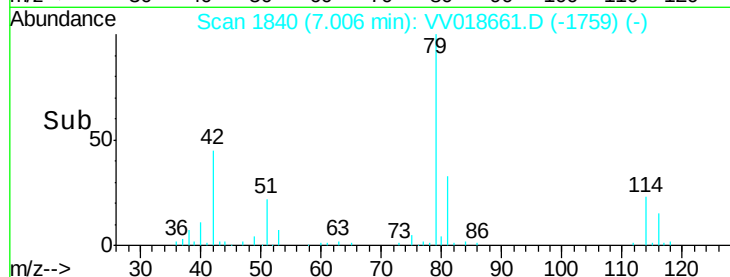
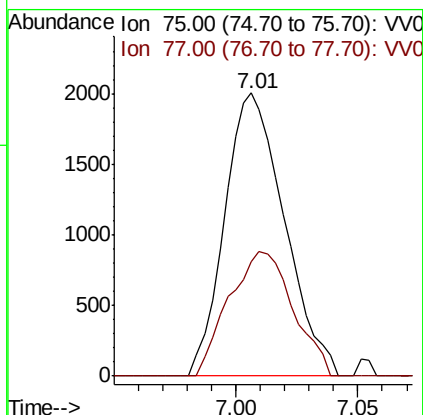
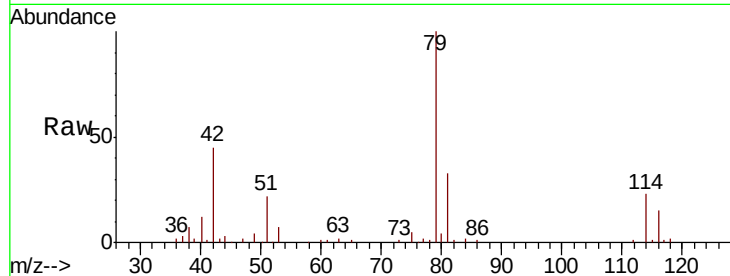




#39
 cis-1,3-Dichloropropene
 Concen: 1.236 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018661.D
 Acq: 03 Oct 2020 17:44

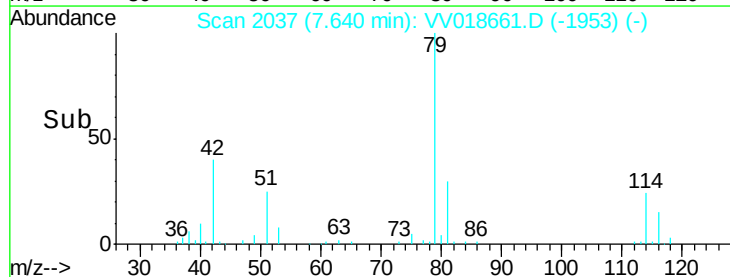
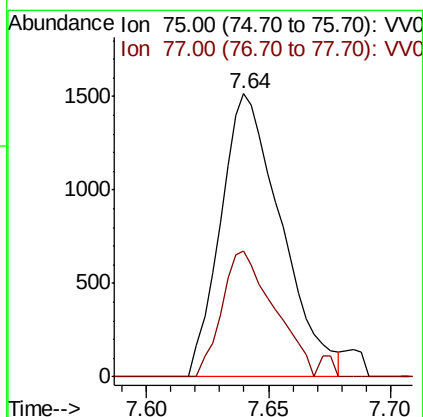
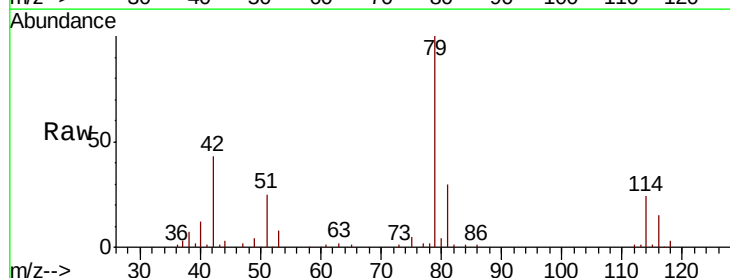
Instrument :
 MSVOA_V
 ClientSampleID :
 E0AB8

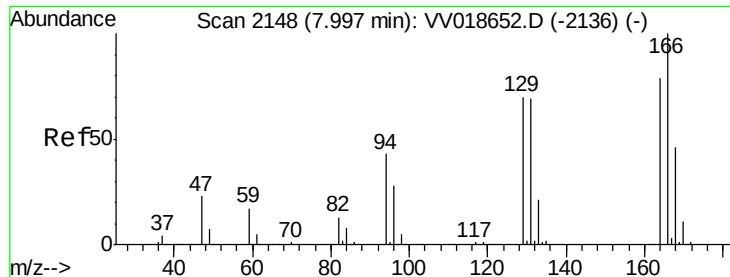
Tot Ion: 75 Resp: 3403
 Ion Ratio Lower Upper
 75 100
 77 40.5 23.0 42.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.967 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. -0.03 min
 Lab File: VV018661.D
 Acq: 03 Oct 2020 17:44

Tgt Ion: 75 Resp: 2614
 Ion Ratio Lower Upper
 75 100
 77 44.5 22.7 42.1#





#46

Tetrachloroethene

Concen: 0.694 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018661.D

Acq: 03 Oct 2020 17:44

Instrument :

MSVOA_V

ClientSampleId :

E0AB8

Tot Ion:164 Resp: 1117

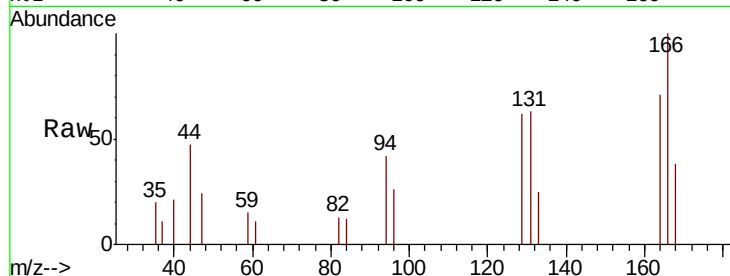
Ion Ratio Lower Upper

164 100

129 87.4 62.8 116.6

131 89.1 60.8 112.8

166 140.9 88.9 165.1

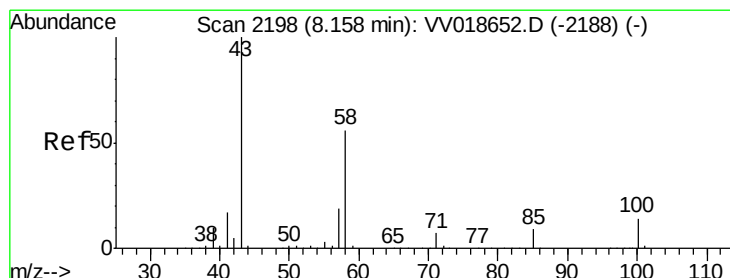
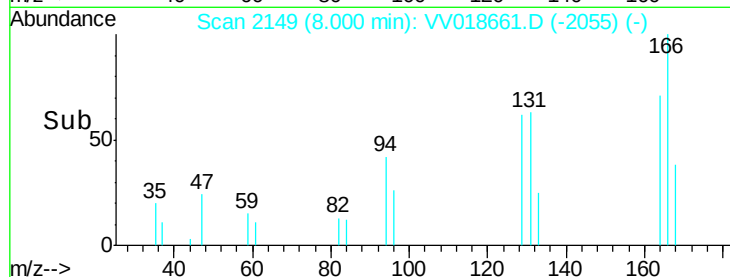
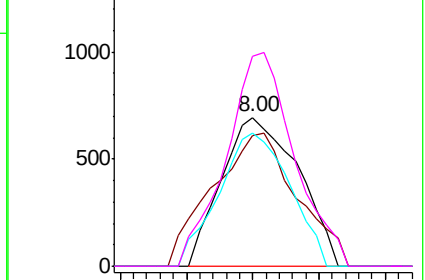


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.470 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018661.D

Acq: 03 Oct 2020 17:44

Tgt Ion: 43 Resp: 9662

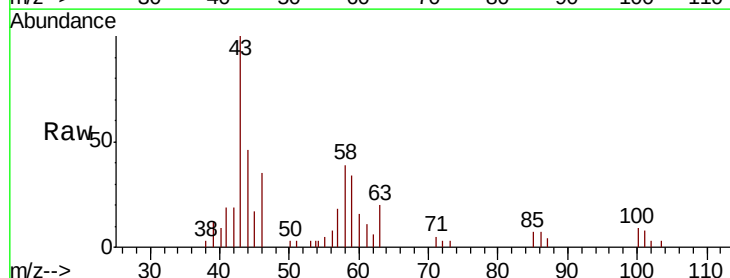
Ion Ratio Lower Upper

43 100

58 5.2 45.1 67.7#

57 5.0 15.7 23.5#

100 6.2 11.0 16.4#

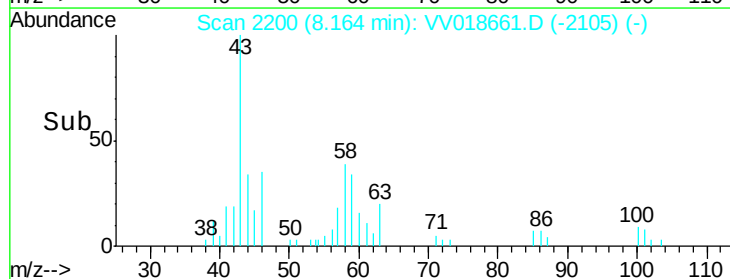
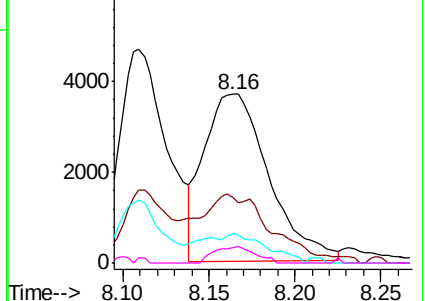


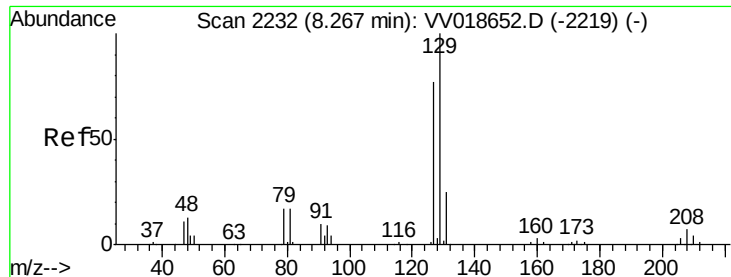
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 0.554 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV018661.D

Acq: 03 Oct 2020 17:44

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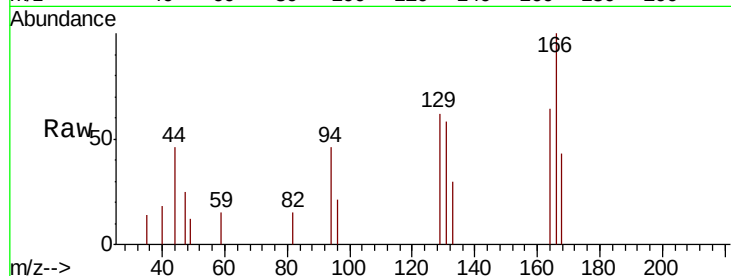
E0AB8

Tot Ion:129 Resp: 1101

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.00

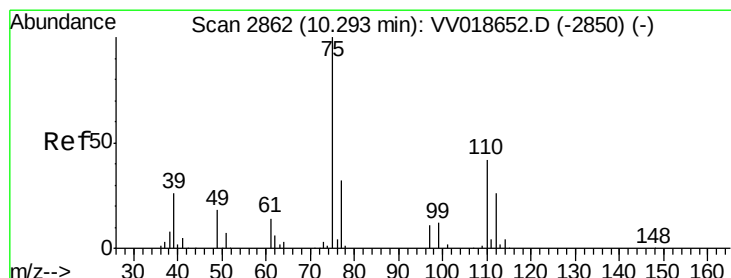
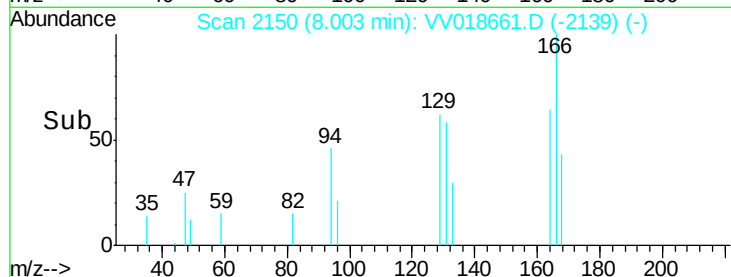
600

400

200

0

Time--> 7.95



#59

1,2,3-Trichloropropane

Concen: 5.809 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018661.D

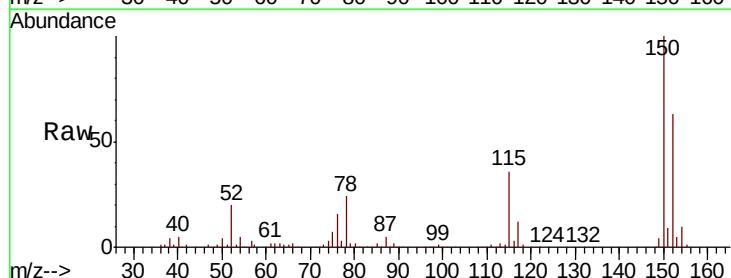
Acq: 03 Oct 2020 17:44

Tgt Ion: 75 Resp: 12398

Ion Ratio Lower Upper

75 100

77 37.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.27

8000

6000

4000

2000

0

Time--> 11.20

