

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018700.D
 Acq On : 06 Oct 2020 20:00
 Operator : SY/MD
 Sample : L4287-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:24:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	276833	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272997	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108823	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106421	65.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	131.10%
7) Chloroethane-d5	1.58	69	72737	54.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.36%
11) 1,1-Dichloroethene-d2	2.12	63	154261	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
21) 2-Butanone-d5	3.93	46	144676	119.46	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.46%
24) Chloroform-d	4.38	84	186622	53.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.32%
26) 1,2-Dichloroethane-d4	5.06	65	125141	56.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.30%
32) Benzene-d6	5.07	84	367661	53.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.34%
36) 1,2-Dichloropropane-d6	6.09	67	118979	56.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.88%
41) Toluene-d8	7.34	98	328766	50.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.08%
43) trans-1,3-Dichloropropene-	7.64	79	57063	50.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.12%
47) 2-Hexanone-d5	8.11	63	77351	97.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	110286	39.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	115621	55.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.50%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	3326629	1570.949	ug/L 99
8) Chloroethane	1.60	64	8415	6.449	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1317	0.731	ug/L # 17
12) 1,1-Dichloroethene	2.14	96	42568	24.632	ug/L # 67
17) trans-1,2-Dichloroethene	2.78	96	128931	65.201	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	15587391	7417.142	ug/L 88
27) 1,2-Dichloroethane	5.07	62	2725	0.956	ug/L 96
33) Benzene	5.13	78	8628	1.076	ug/L 100
34) Trichloroethene	5.94	95	1217854	523.039	ug/L 96
39) cis-1,3-Dichloropropene	7.01	75	3809	1.180	ug/L 85
42) Toluene	7.42	91	8728	1.006	ug/L 93
46) Tetrachloroethene	8.00	164	2474915	1310.173	ug/L 94
48) 2-Hexanone	8.17	43	8681	4.190	ug/L # 84
53) m,p-Xylene	9.17	106	3664	0.978	ug/L 99
54) o-xylene	9.57	106	11272	3.179	ug/L 84
58) 1,1,2,2-Tetrachloroethane	10.26	83	8127	2.830	ug/L # 85

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration

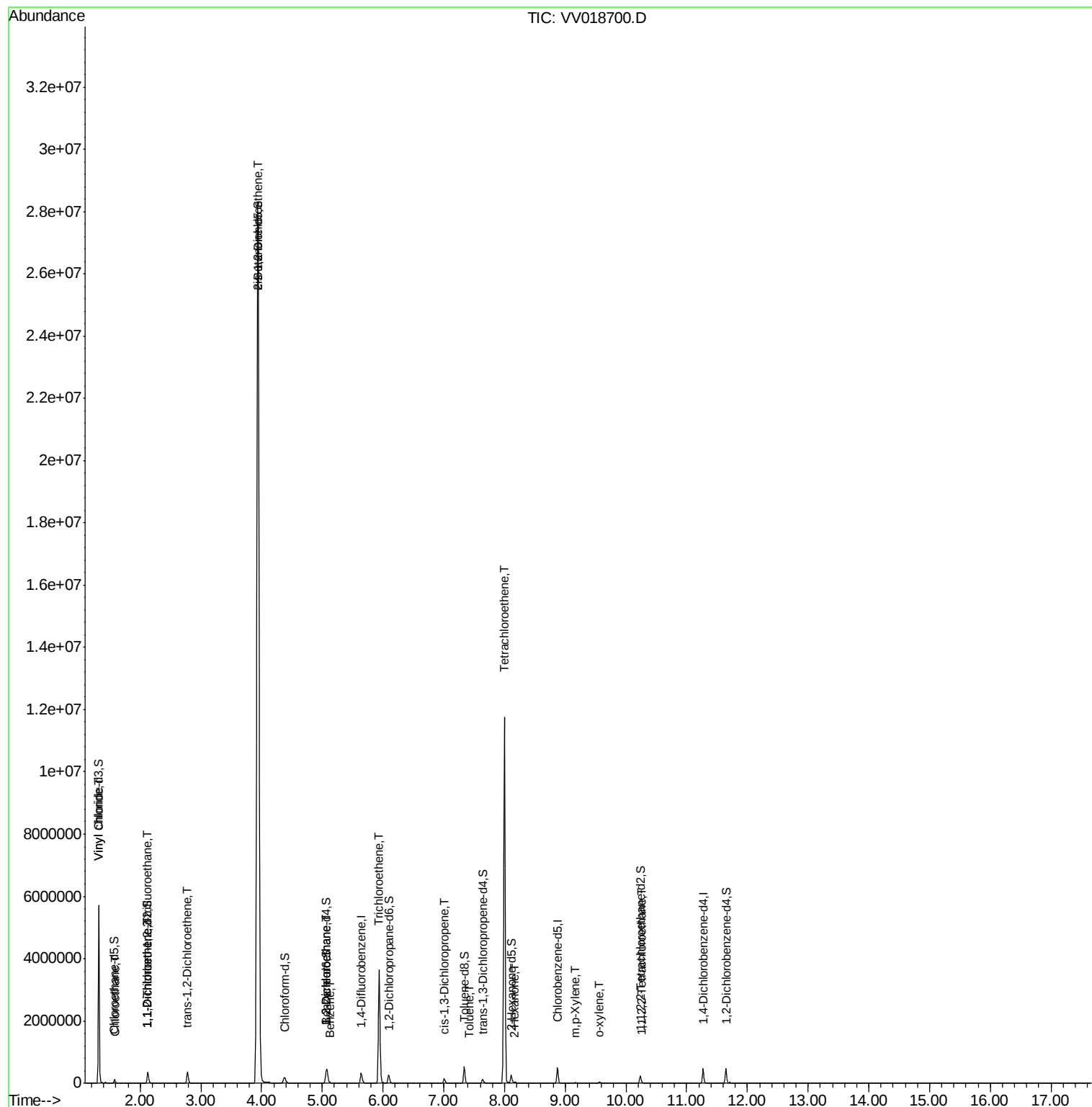
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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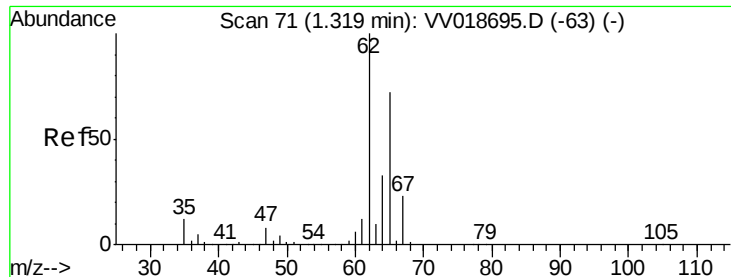
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1570.949 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

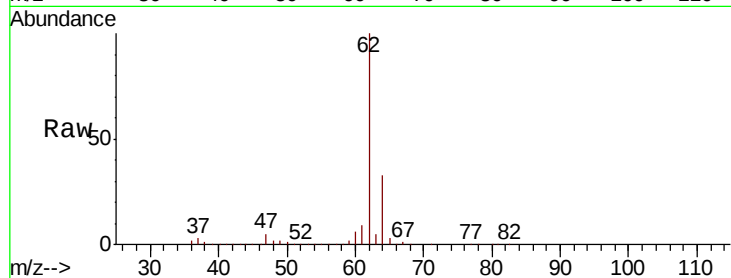
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 3326629

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018695.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018700.D (-33) (-)

1.32

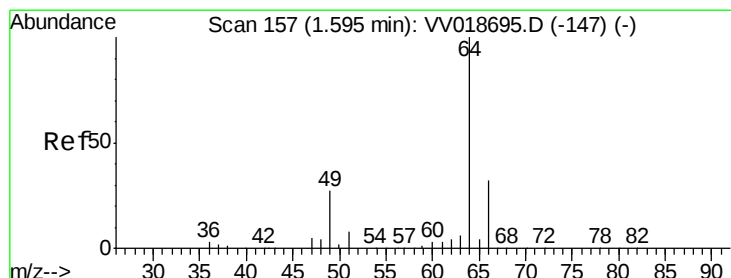
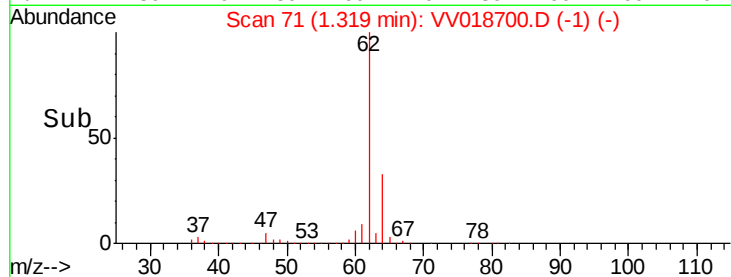
3000000

2000000

1000000

0

Time-->



#8

Chloroethane

Concen: 6.449 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018700.D

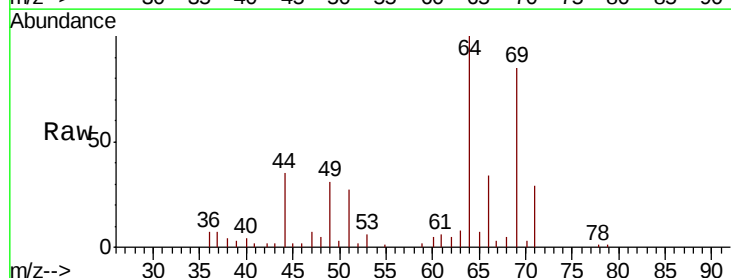
Acq: 06 Oct 2020 20:00

Tgt Ion: 64 Resp: 8415

Ion Ratio Lower Upper

64 100

66 34.4 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018695.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018700.D (-33) (-)

1.60

8000

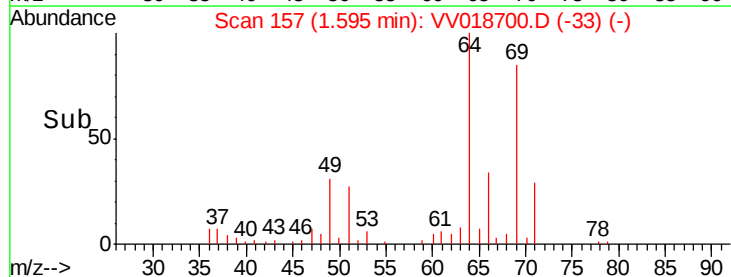
6000

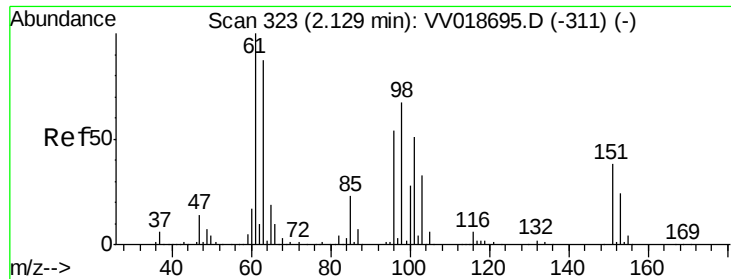
4000

2000

0

Time-->





#10

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

Concen: 0.731 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

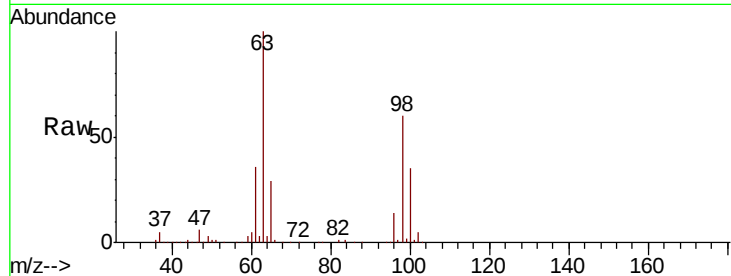
Tot Ion:101 Resp: 1317

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

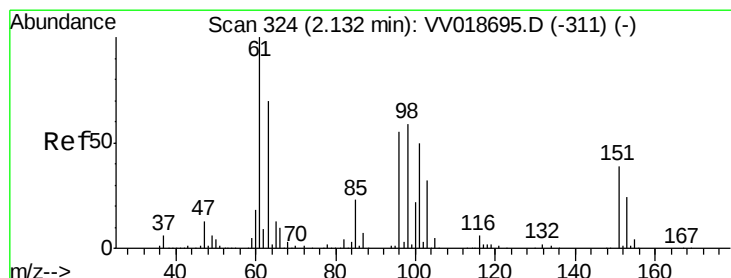
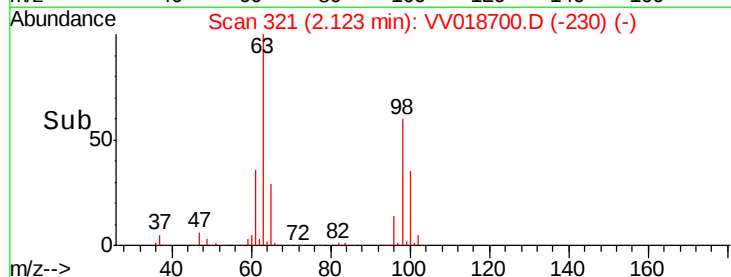
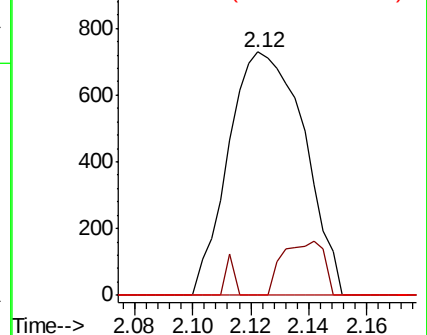
151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.632 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

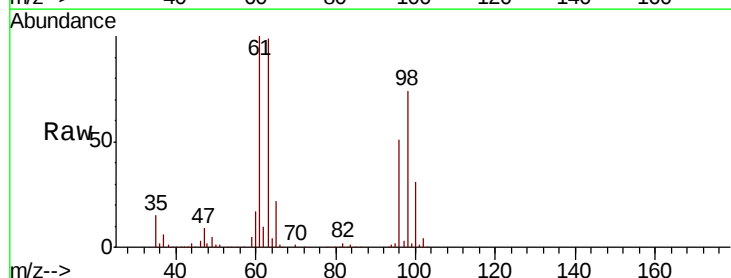
Tgt Ion: 96 Resp: 42568

Ion Ratio Lower Upper

96 100

61 197.6 122.8 228.1

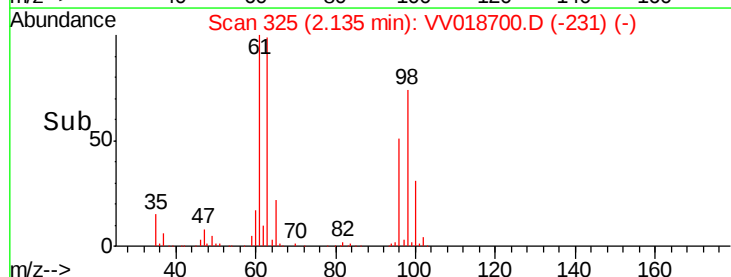
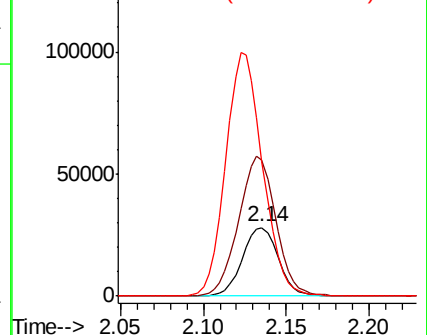
63 196.6 91.9 170.7#

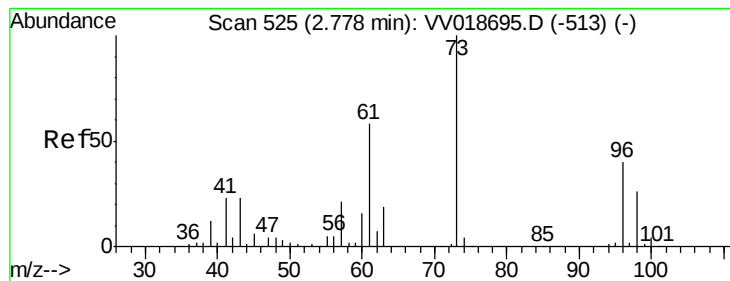


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 65.201 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :

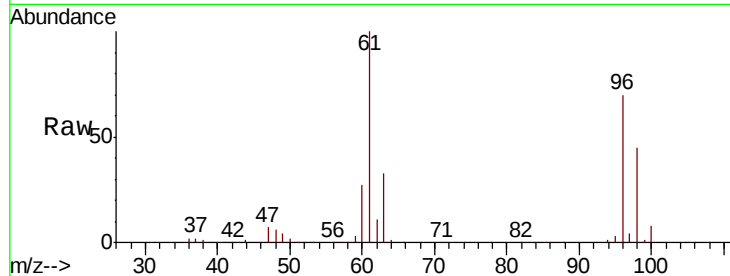
Tot Ion: 96 Resp: 128931

Ion Ratio Lower Upper

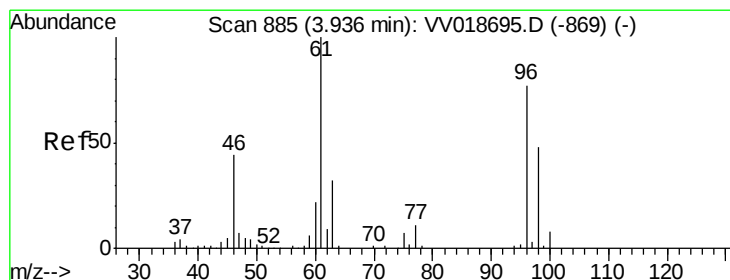
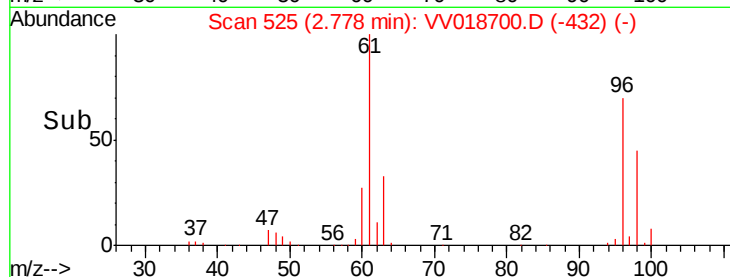
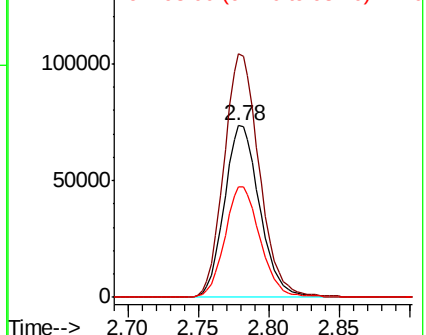
96 100

61 142.0 95.0 176.4

98 64.2 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 7417.142 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

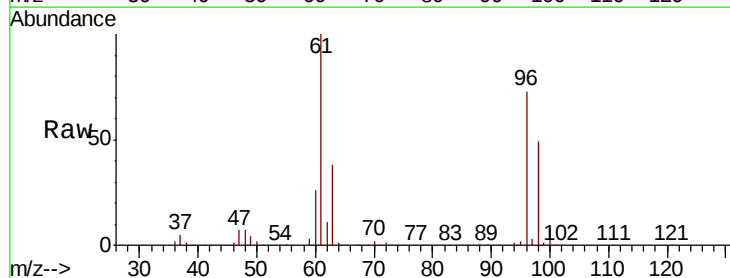
Tgt Ion: 96 Resp:15587391

Ion Ratio Lower Upper

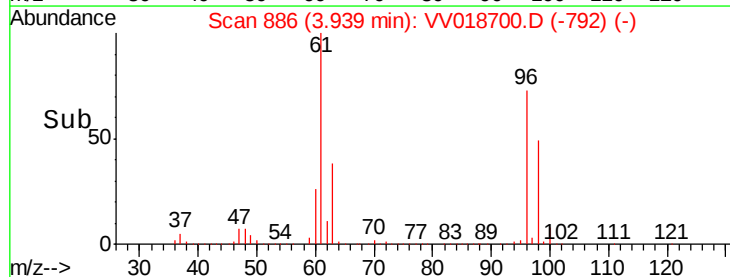
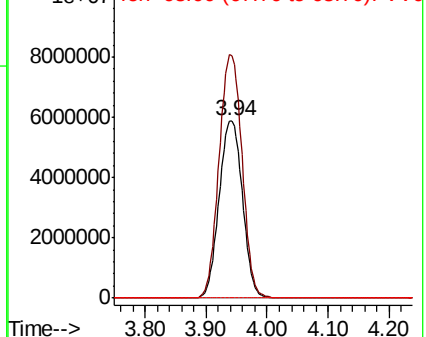
96 100

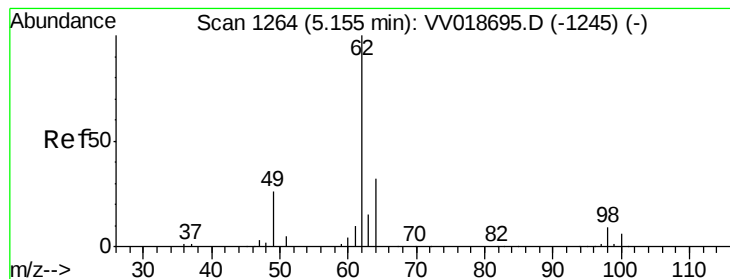
61 137.1 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#27

1,2-Dichloroethane

Concen: 0.956 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Instrument :

MSVOA_V

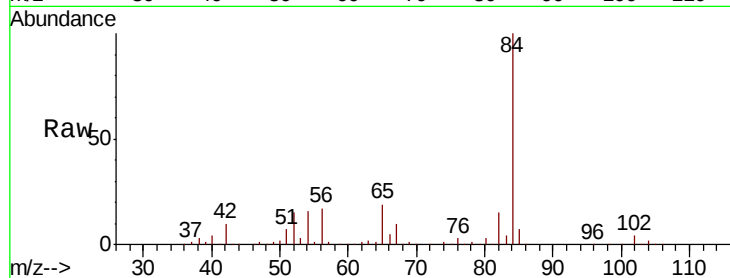
ClientSampled :

Tot Ion: 62 Resp: 2725

Ion Ratio Lower Upper

62 100

98 10.9 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV018695.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VV018695.D (-1245) (-)

1500

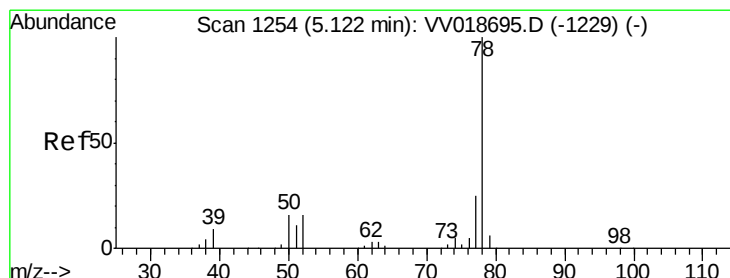
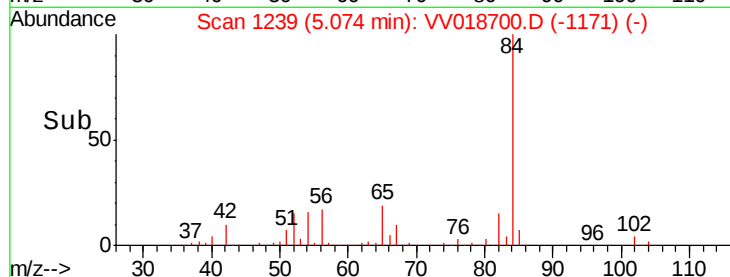
1000

500

0

5.05 5.10 5.15

Time-->



#33

Benzene

Concen: 1.076 ug/L

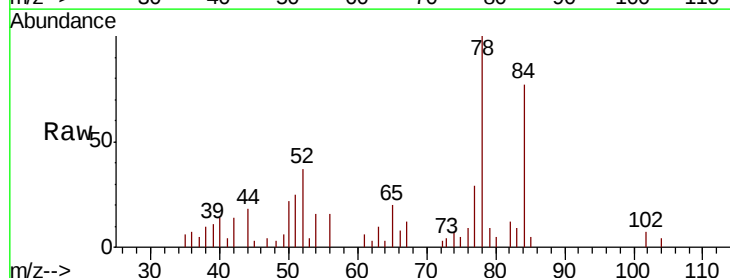
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Tgt Ion: 78 Resp: 8628



Abundance Ion 78.00 (77.70 to 78.70): VV018695.D (-1229) (-)

4000

3000

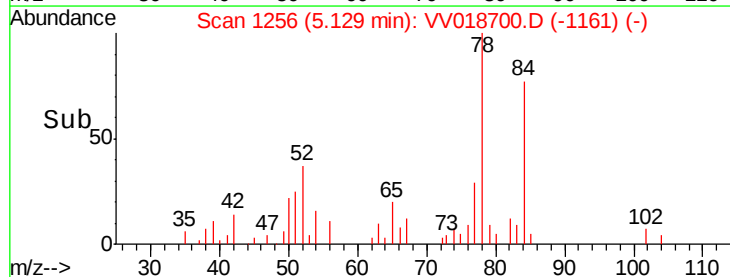
2000

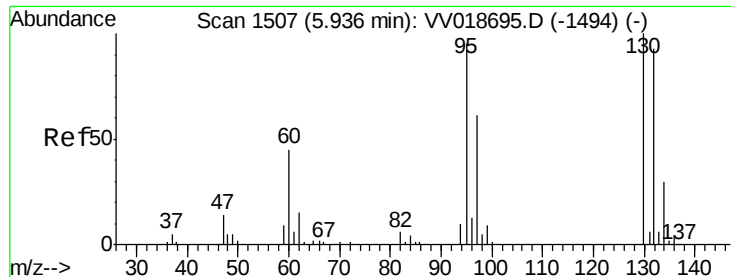
1000

0

5.10 5.15 5.20

Time-->

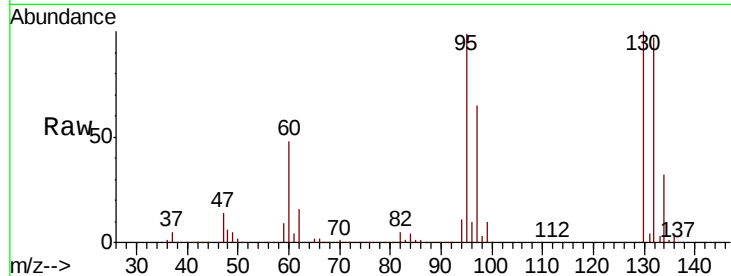




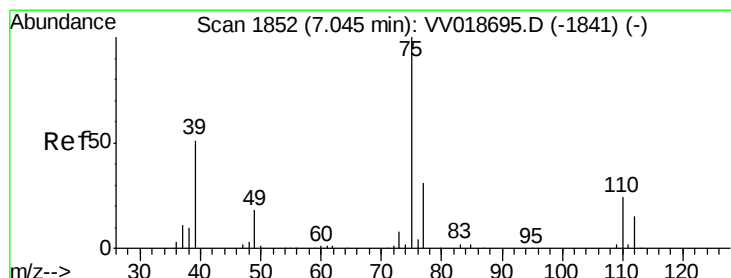
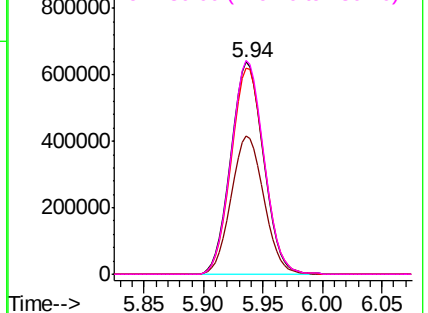
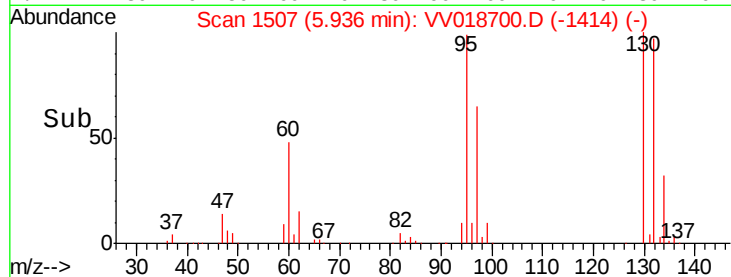
#34
 Trichloroethene
 Concen: 523.039 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018700.D
 Acq: 06 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 1217854
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.9 85.3
 132 97.3 70.8 131.4
 130 100.6 75.3 139.8

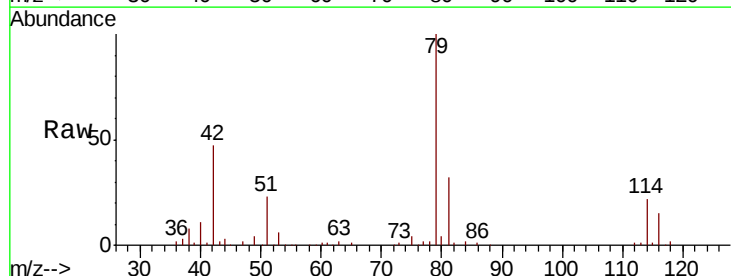


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

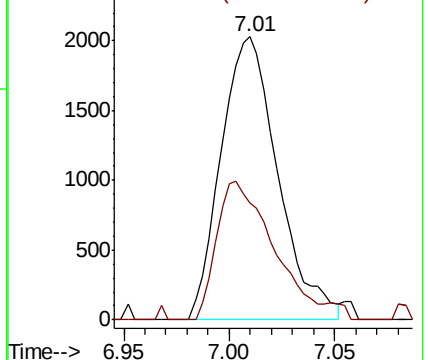
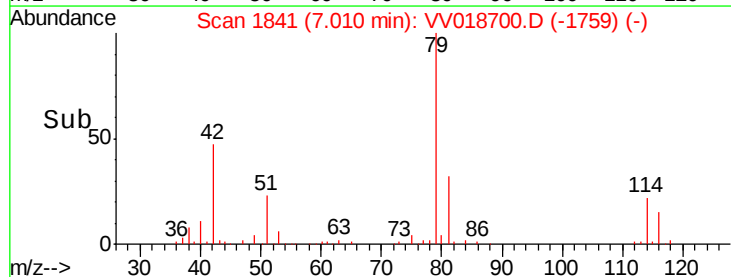


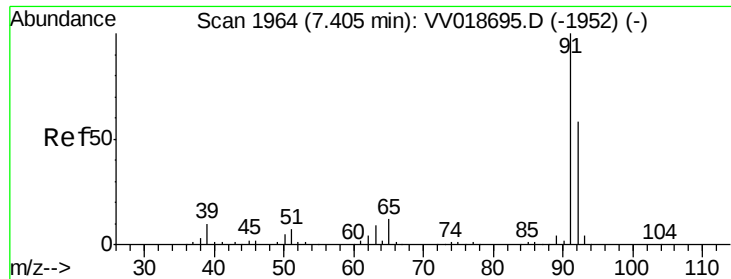
#39
 cis-1,3-Dichloropropene
 Concen: 1.180 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018700.D
 Acq: 06 Oct 2020 20:00

Tgt Ion: 75 Resp: 3809
 Ion Ratio Lower Upper
 75 100
 77 41.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#42

Toluene

Concen: 1.006 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Instrument :

MSVOA_V

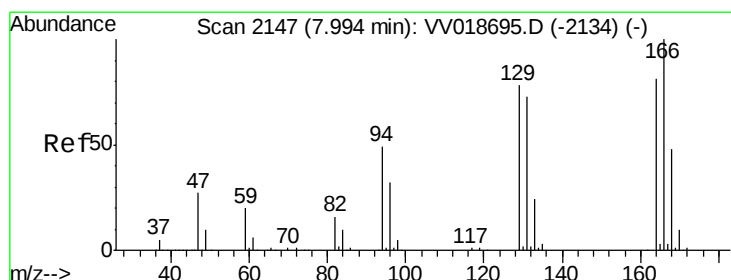
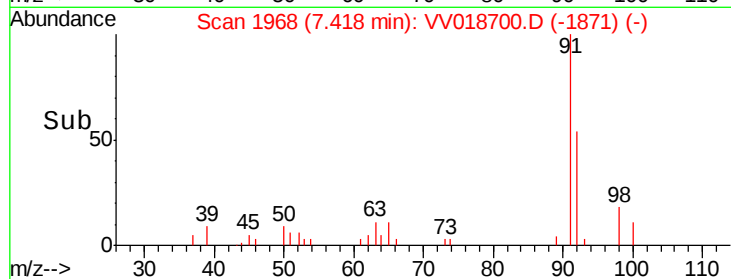
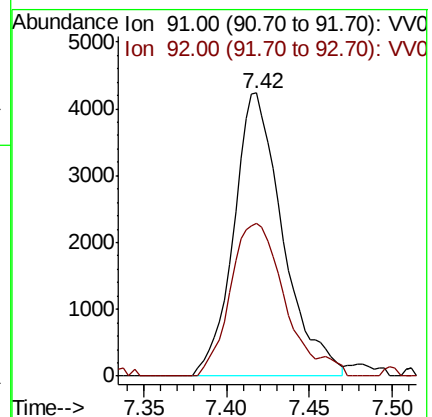
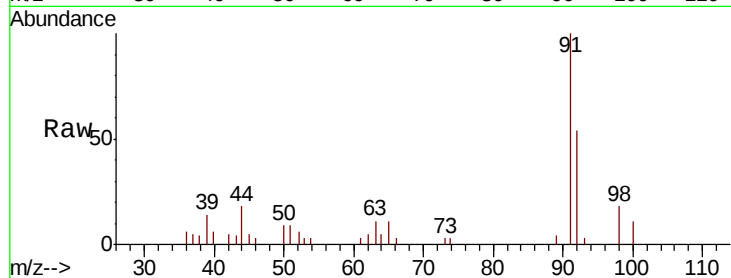
ClientSampleId :

Tot Ion: 91 Resp: 8728

Ion Ratio Lower Upper

91 100

92 54.0 41.6 77.3



#46

Tetrachloroethene

Concen: 1310.173 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018700.D

Acq: 06 Oct 2020 20:00

Tgt Ion: 164 Resp: 2474915

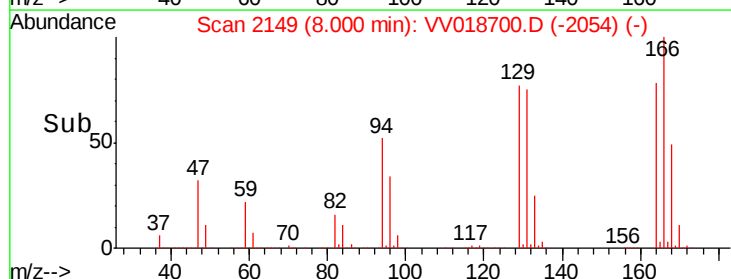
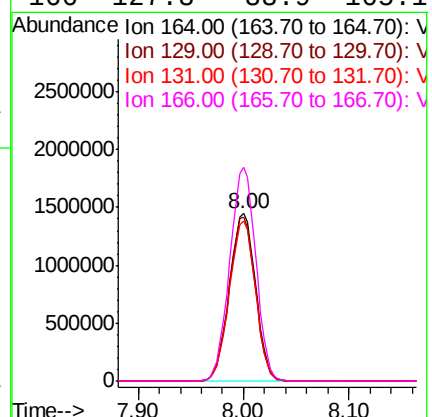
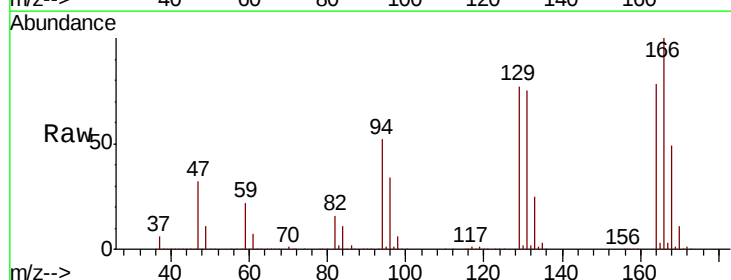
Ion Ratio Lower Upper

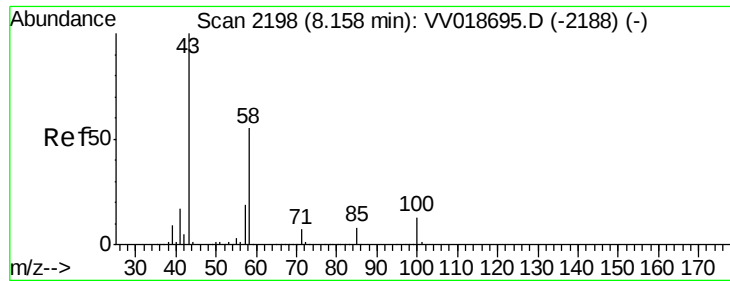
164 100

129 98.3 62.8 116.6

131 95.7 60.8 112.8

166 127.8 88.9 165.1

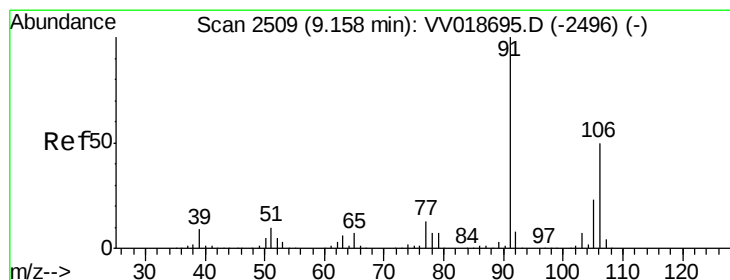
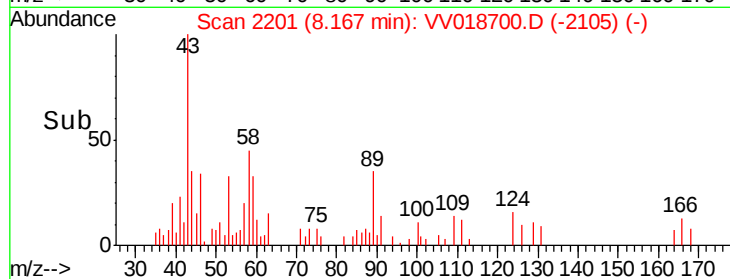
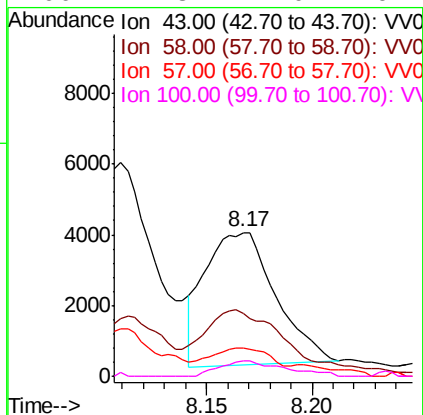
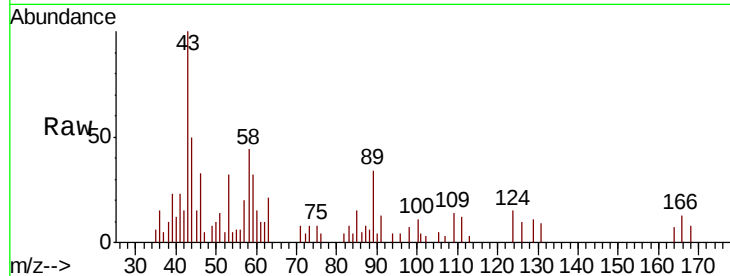




#48
2-Hexanone
Concen: 4.190 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV018700.D
Acq: 06 Oct 2020 20:00

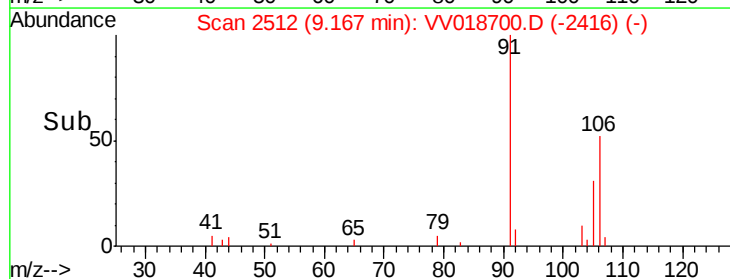
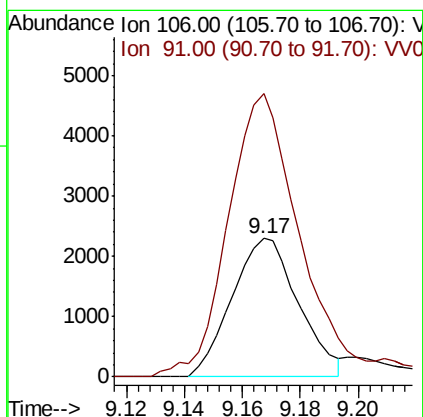
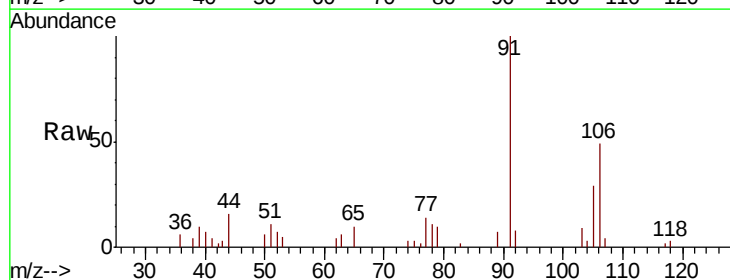
Instrument :
MSVOA_V
ClientSampleId :

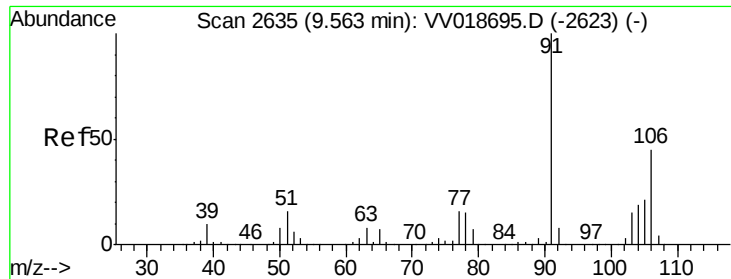
Tot Ion: 43 Resp: 8681
Ion Ratio Lower Upper
43 100
58 42.7 45.1 67.7#
57 15.7 15.7 23.5
100 7.3 11.0 16.4#



#53
m,p-Xylene
Concen: 0.978 ug/L
RT: 9.17 min Scan# 2512
Delta R.T. 0.01 min
Lab File: VV018700.D
Acq: 06 Oct 2020 20:00

Tgt Ion: 106 Resp: 3664
Ion Ratio Lower Upper
106 100
91 204.8 142.3 264.3

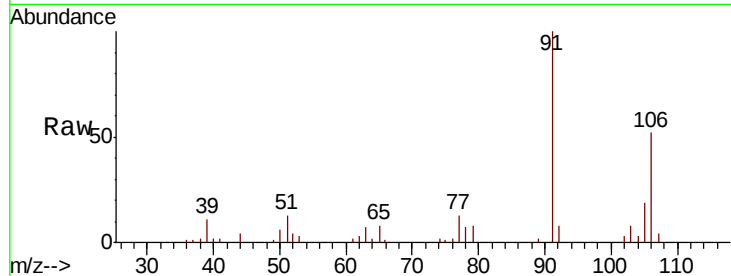




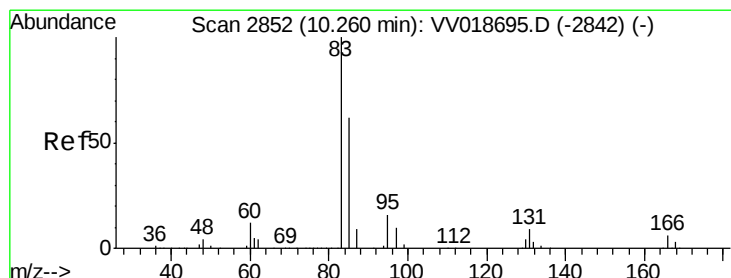
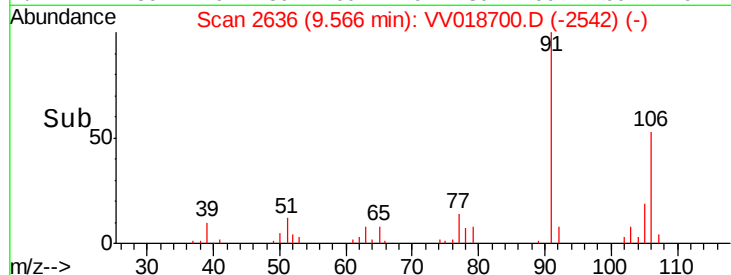
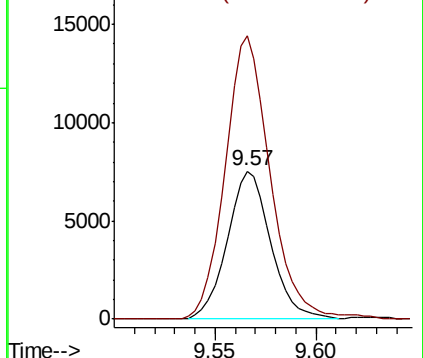
#54
o-xylene
Concen: 3.179 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018700.D
Acq: 06 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 11272
Ion Ratio Lower Upper
106 100
91 190.8 151.0 280.4

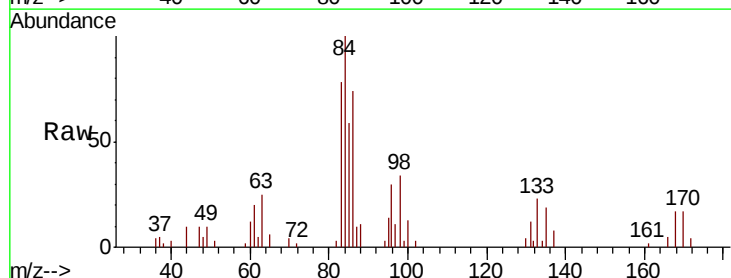


Abundance Ion 106.00 (105.70 to 106.70): VV018700.D (-2542) (-)
Ion 91.00 (90.70 to 91.70): VV018700.D (-2542) (-)



#58
1,1,2,2-Tetrachloroethane
Concen: 2.830 ug/L
RT: 10.26 min Scan# 2852
Delta R.T. -0.00 min
Lab File: VV018700.D
Acq: 06 Oct 2020 20:00

Tgt Ion: 83 Resp: 8127
Ion Ratio Lower Upper
83 100
85 75.7 44.5 82.7
131 15.2 8.6 12.8#



Abundance Ion 83.00 (82.70 to 83.70): VV018700.D (-2759) (-)
Ion 85.00 (84.70 to 85.70): VV018700.D (-2759) (-)
Ion 131.00 (130.70 to 131.70): VV018700.D (-2759) (-)

