

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018742.D
 Acq On : 07 Oct 2020 20:58
 Operator : SY/MD
 Sample : L4239-11 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 06:41:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	304798	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340462	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172850	50.00	ug/L	0.00

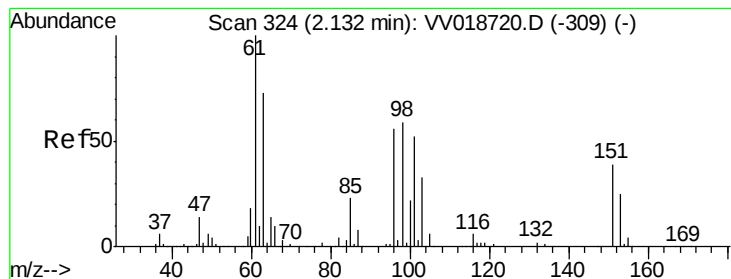
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75400	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.36%
7) Chloroethane-d5	1.58	69	67950	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.94%
11) 1,1-Dichloroethene-d2	2.12	63	125600	34.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.96%
21) 2-Butanone-d5	3.91	46	107136	80.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.35%
24) Chloroform-d	4.38	84	156569	40.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.06	65	109725	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.42%
32) Benzene-d6	5.07	84	305392	35.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.82%
36) 1,2-Dichloropropane-d6	6.09	67	113591	43.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.18%
41) Toluene-d8	7.34	98	321855	39.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.34%#
43) trans-1,3-Dichloropropene-	7.64	79	54740	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
47) 2-Hexanone-d5	8.11	63	72293	73.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131753	38.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	139376	41.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1335	0.673	ug/L #	21
20) cis-1,2-Dichloroethene	3.95	96	1856	0.802	ug/L	96
29) Cyclohexane	4.71	56	7029	1.810	ug/L #	91
30) 1,1,1-Trichloroethane	4.63	97	9455	2.237	ug/L	94
35) Methylcyclohexane	6.09	83	27612	7.049	ug/L #	19
42) Toluene	7.41	91	172925	15.981	ug/L	97
48) 2-Hexanone	8.16	43	7431	2.876	ug/L #	72
52) Ethylbenzene	9.04	91	28933	2.394	ug/L	98
53) m,p-Xylene	9.16	106	40562	8.686	ug/L	95
54) o-xylene	9.57	106	17468	3.951	ug/L	96
56) Isopropylbenzene	9.95	105	42934	3.621	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	20474	5.678	ug/L	97
69) Naphthalene	13.53	128	55923	5.418	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	6517	1.800	ug/L	97

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



#10

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

Concen: 0.673 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

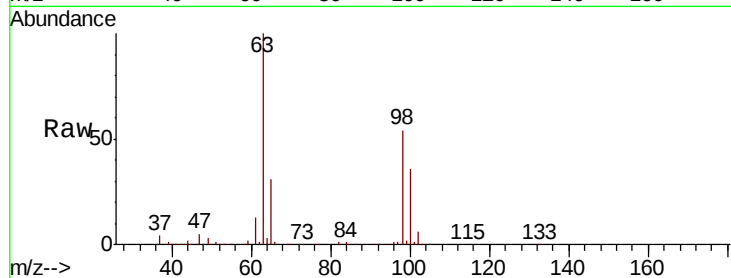
Tot Ion: 101 Resp: 1335

Ion Ratio Lower Upper

101 100

85 6.7 34.6 52.0#

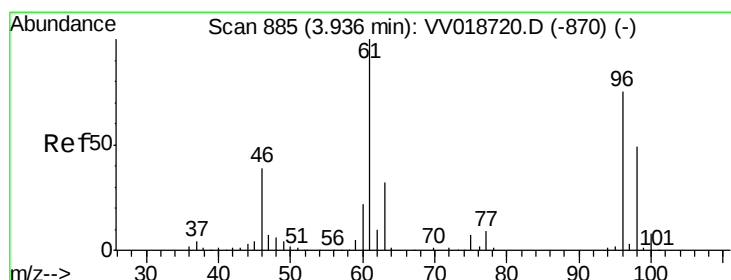
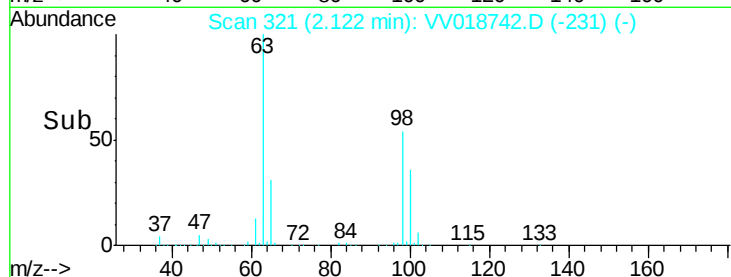
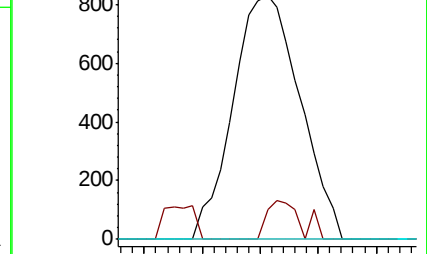
151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): VV018742.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018742.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018742.D (-231) (-)



#20

cis-1,2-Dichloroethene

Concen: 0.802 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

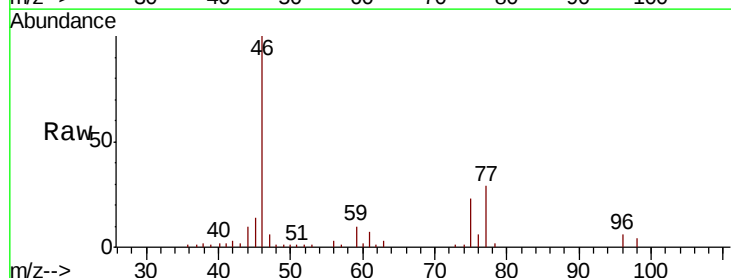
Tgt Ion: 96 Resp: 1856

Ion Ratio Lower Upper

96 100

61 119.4 86.8 161.2

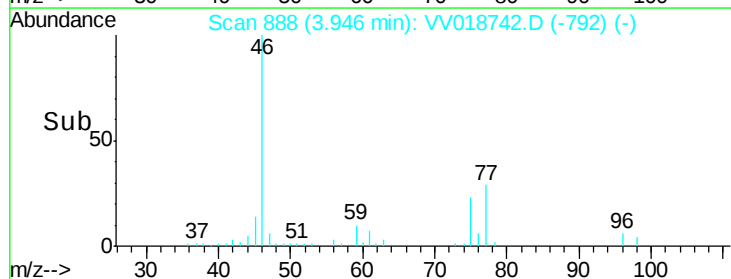
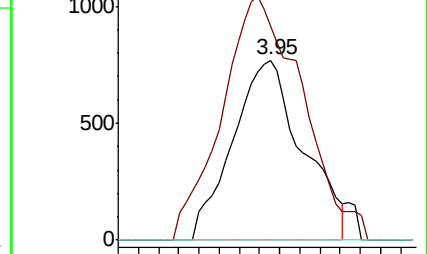
68 0.0 0.0 0.0

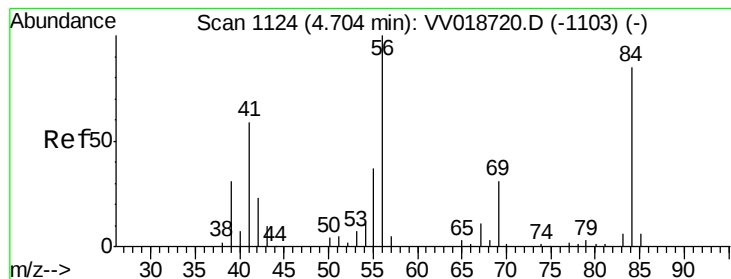


Abundance Ion 96.00 (95.70 to 96.70): VV018742.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV018742.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV018742.D (-792) (-)





#29

Cyclohexane

Concen: 1.810 ug/L

RT: 4.71 min Scan# 1126

Delta R.T. 0.01 min

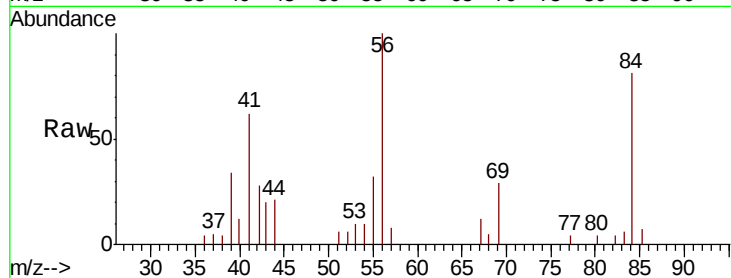
Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

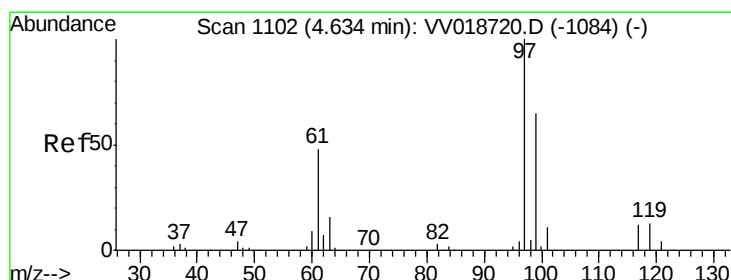
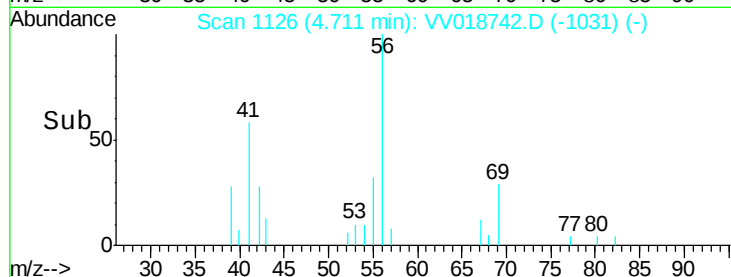
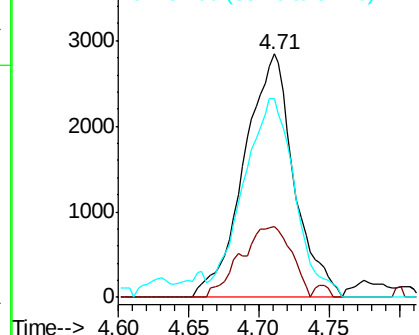
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 7029

Ion	Ratio	Lower	Upper
56	100		
69	21.9	24.8	37.2#
84	84.5	72.2	108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.237 ug/L

RT: 4.63 min Scan# 1102

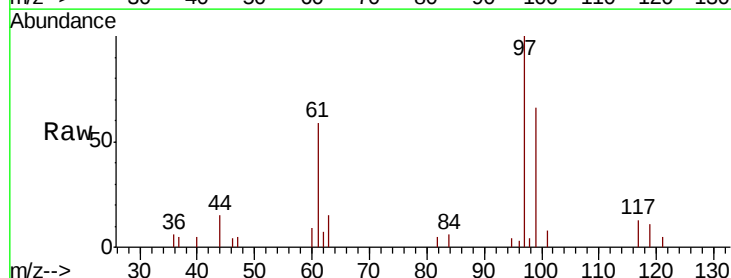
Delta R.T. -0.00 min

Lab File: VV018742.D

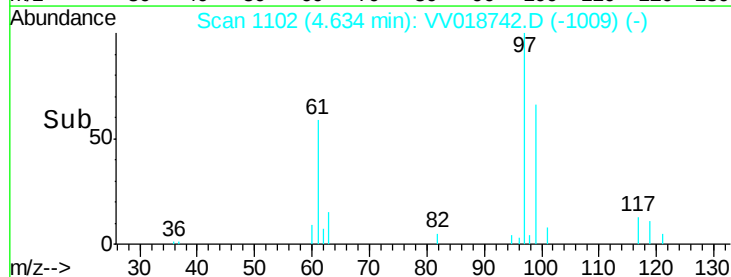
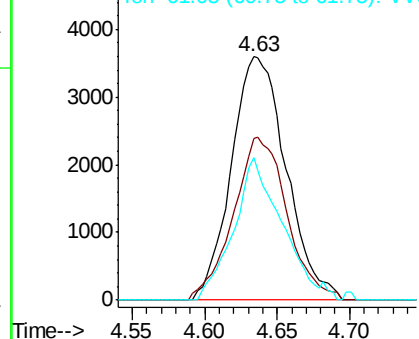
Acq: 07 Oct 2020 20:58

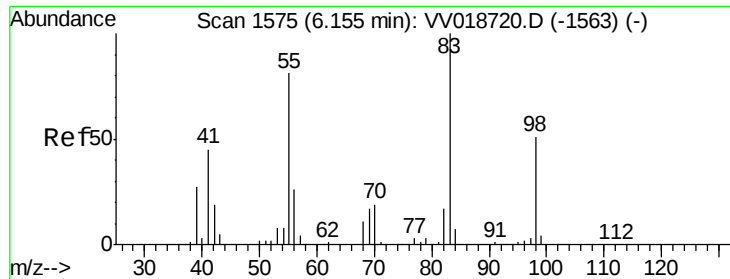
Tgt Ion: 97 Resp: 9455

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	50.8	33.9	50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

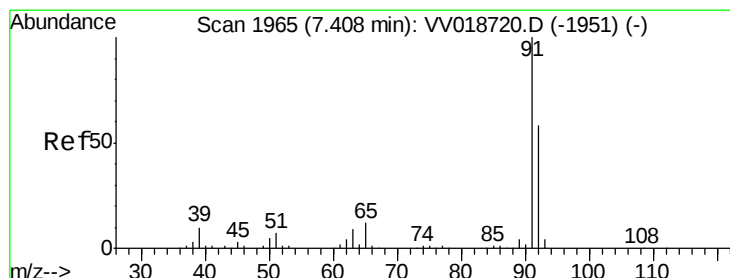
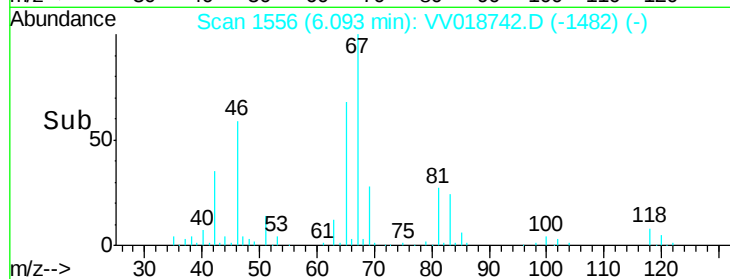
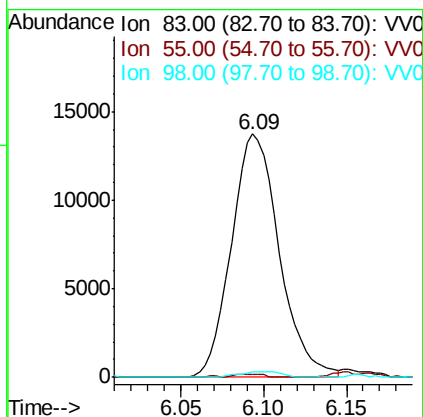
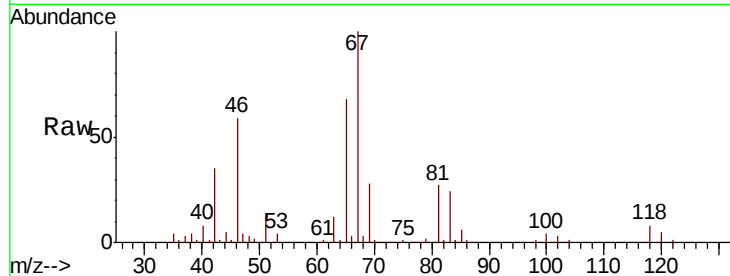




#35
Methylvlcvclohexane
Concen: 7.049 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

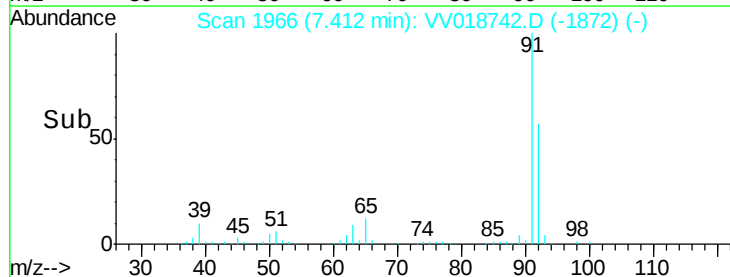
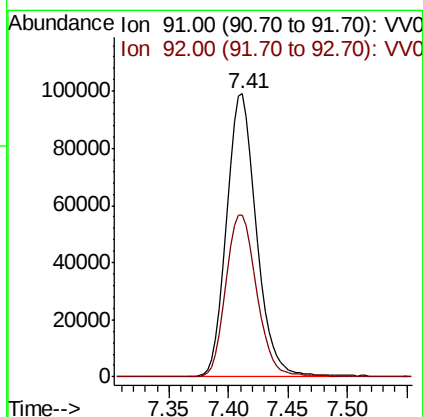
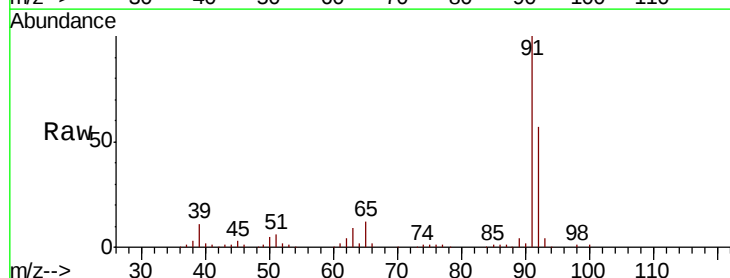
Instrument :
MSVOA_V
ClientSampleId :

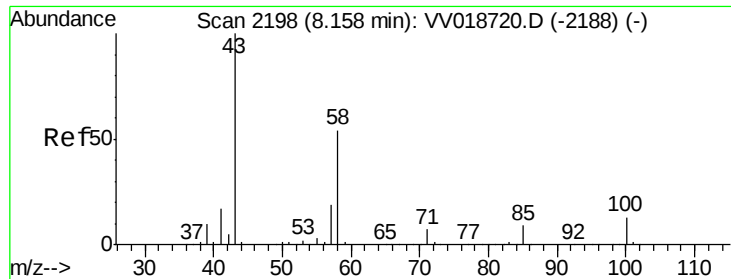
Tot Ion: 83 Resp: 27612
Ion Ratio Lower Upper
83 100
55 0.4 60.1 90.1#
98 2.0 40.2 60.4#



#42
Toluene
Concen: 15.981 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

Tgt Ion: 91 Resp: 172925
Ion Ratio Lower Upper
91 100
92 57.3 41.6 77.3

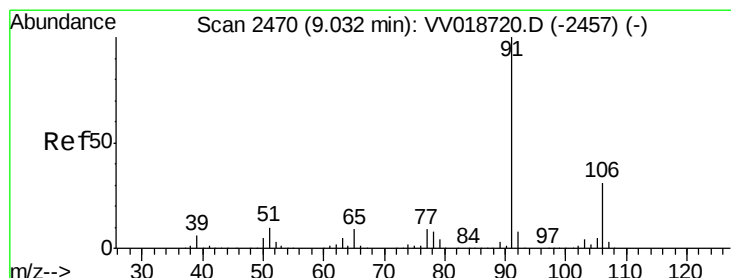
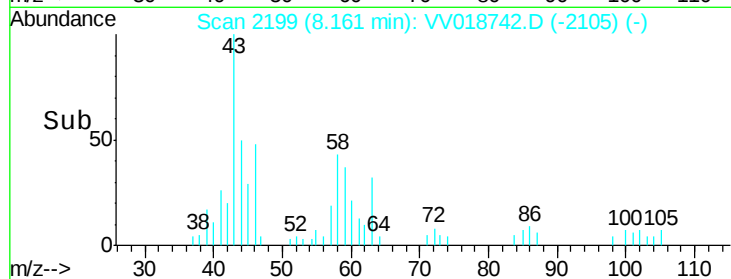
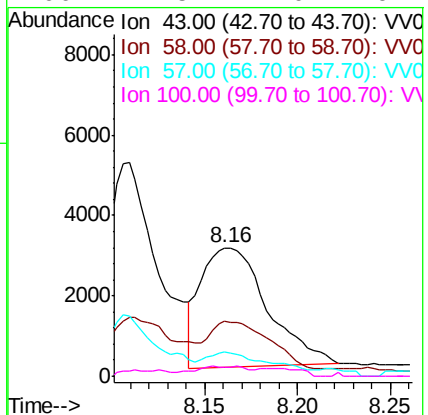
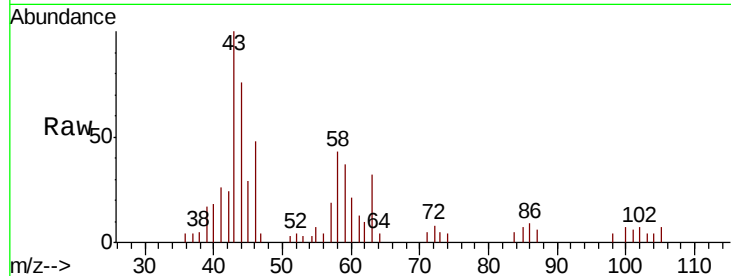




#48
2-Hexanone
Concen: 2.876 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

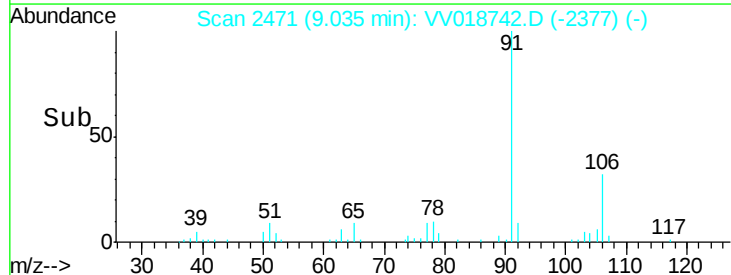
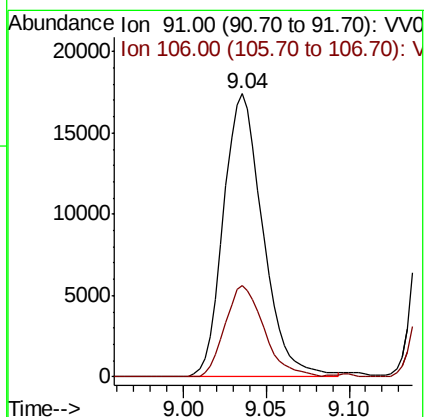
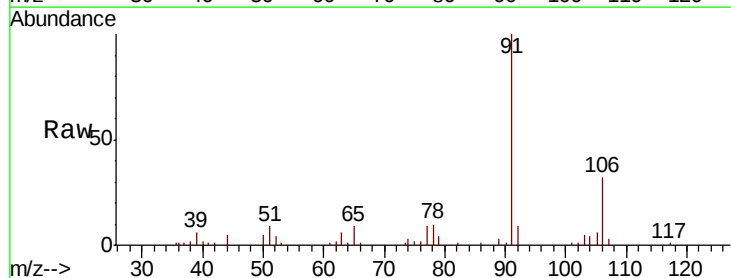
Instrument :
MSVOA_V
ClientSampled :

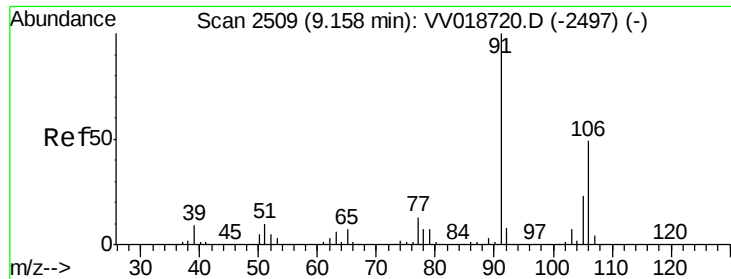
Tot Ion: 43 Resp: 7431
Ion Ratio Lower Upper
43 100
58 36.6 45.1 67.7#
57 6.9 15.7 23.5#
100 1.5 11.0 16.4#



#52
Ethylbenzene
Concen: 2.394 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

Tgt Ion: 91 Resp: 28933
Ion Ratio Lower Upper
91 100
106 32.2 21.9 40.7

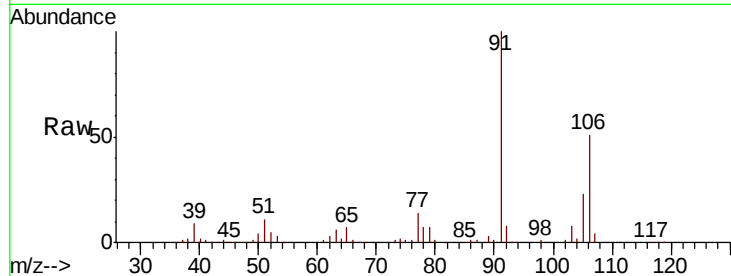




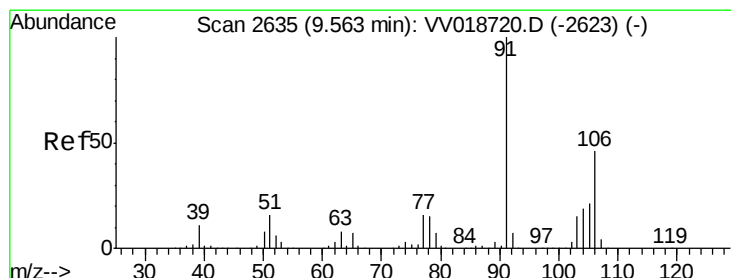
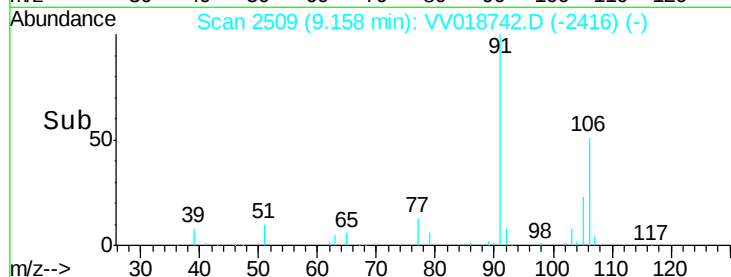
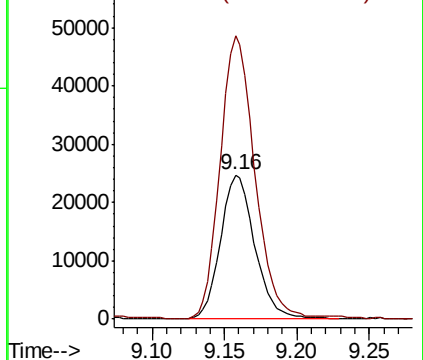
#53
m,p-Xylene
Concen: 8.686 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 40562
Ion Ratio Lower Upper
106 100
91 196.3 142.3 264.3

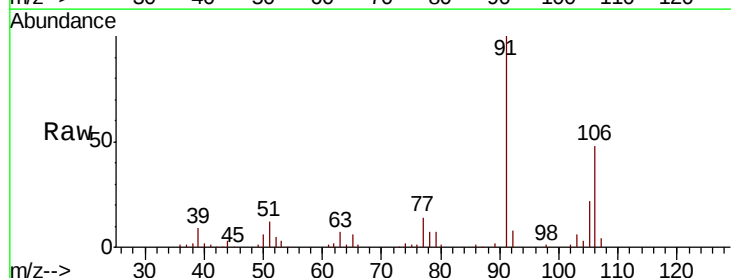


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

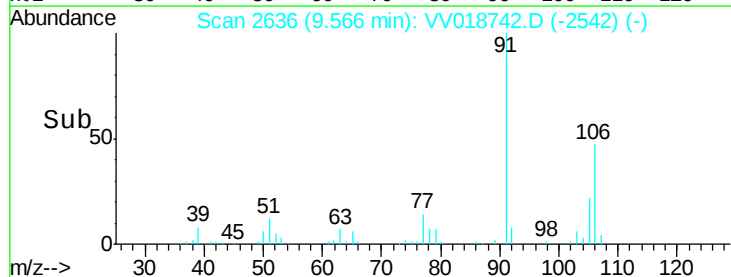
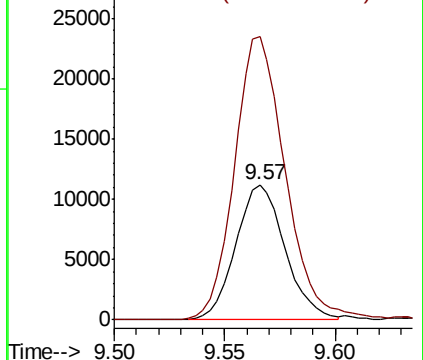


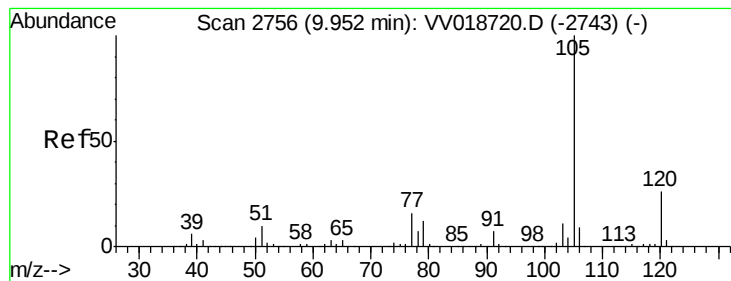
#54
o-xylene
Concen: 3.951 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018742.D
Acq: 07 Oct 2020 20:58

Tgt Ion:106 Resp: 17468
Ion Ratio Lower Upper
106 100
91 209.6 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 3.621 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

Instrument :
MSVOA_V
ClientSampleId :

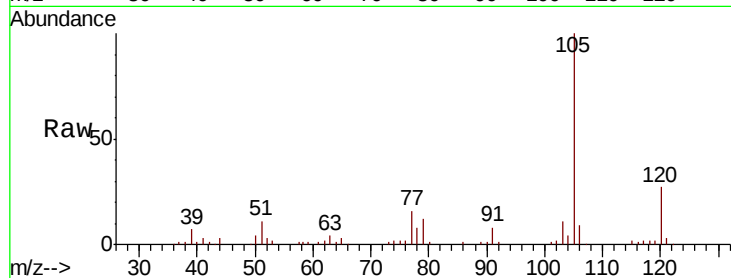
Tot Ion:105 Resp: 42934

Ion Ratio Lower Upper

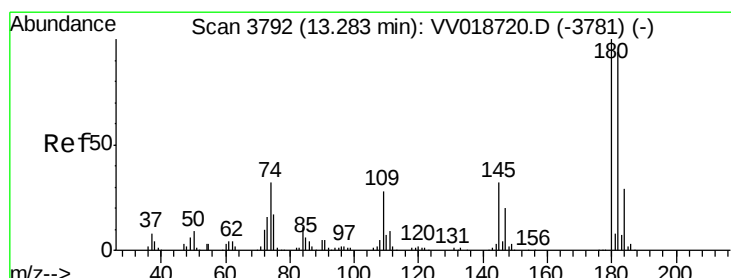
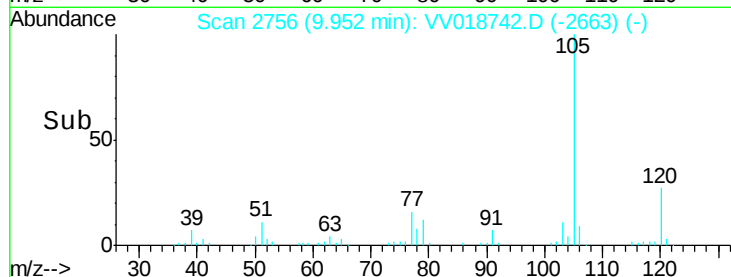
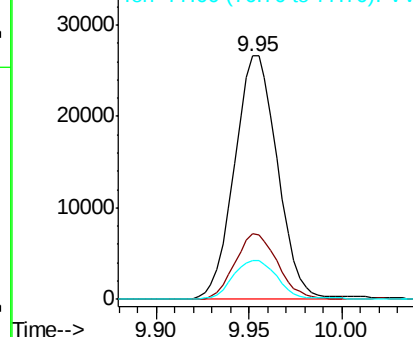
105 100

120 26.6 21.5 32.3

77 16.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.678 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

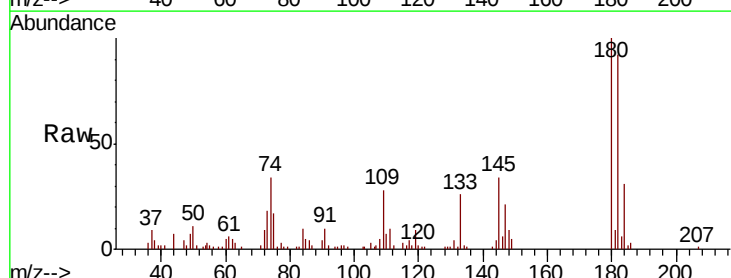
Tgt Ion:180 Resp: 20474

Ion Ratio Lower Upper

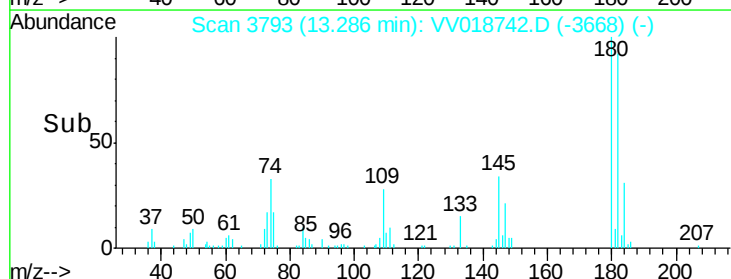
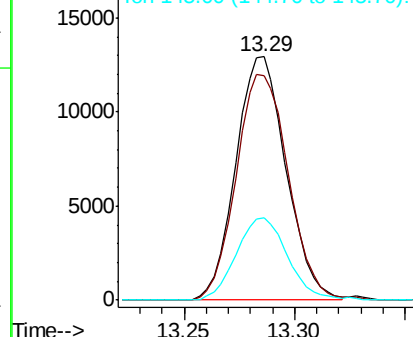
180 100

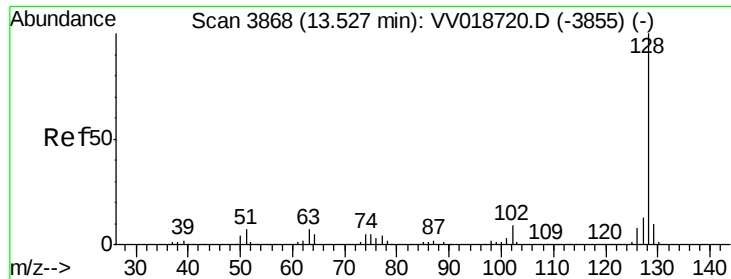
182 95.9 76.3 114.5

145 34.3 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.418 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

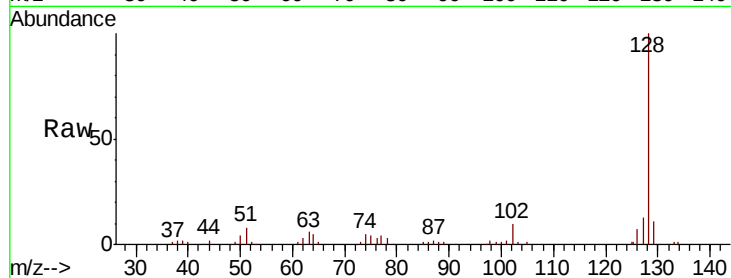
Tot Ion:128 Resp: 55923

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

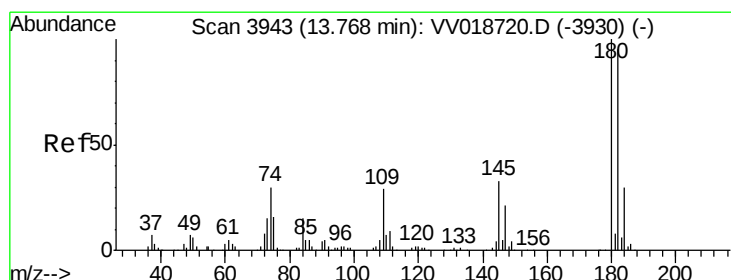
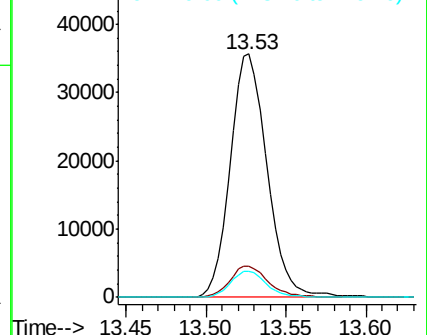
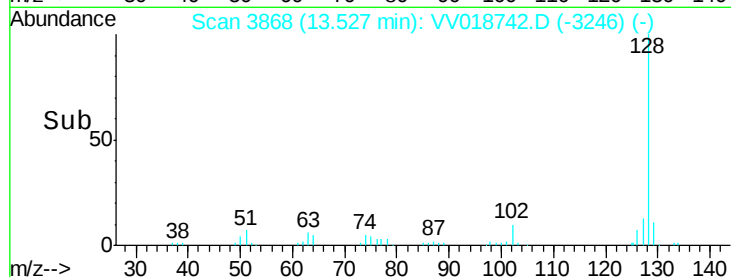
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.800 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018742.D

Acq: 07 Oct 2020 20:58

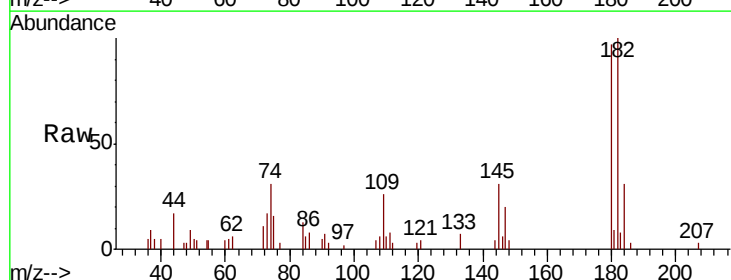
Tgt Ion:180 Resp: 6517

Ion Ratio Lower Upper

180 100

182 94.5 77.1 115.7

145 35.7 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

