

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018783.D
 Acq On : 09 Oct 2020 00:38
 Operator : SY/MD
 Sample : L4239-09DL 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 3:36:35 PM

Quant Time: Oct 09 07:54:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	324890	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160367	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134673	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.24%
7) Chloroethane-d5	1.58	69	110118	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.12	63	203429	35.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.48%
21) 2-Butanone-d5	3.90	46	181923	100.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.37%
24) Chloroform-d	4.38	84	228001	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.06	65	169877	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
32) Benzene-d6	5.07	84	485633	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.09	67	158025	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.78%
41) Toluene-d8	7.34	98	451170	53.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.74%
43) trans-1,3-Dichloropropene-	7.64	79	75363	49.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.30%
47) 2-Hexanone-d5	8.11	63	101058	92.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	159113	44.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	174418	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) cis-1,2-Dichloroethene	3.94	96	18207	7.258	ug/L	96
29) Cyclohexane	4.70	56	4866	1.358	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	25052	6.352	ug/L	96
42) Toluene	7.41	91	456749	47.368	ug/L	98
46) Tetrachloroethene	8.01	164	2204m	1.113	ug/L	
52) Ethylbenzene	9.04	91	11521	1.052	ug/L	96
53) m,p-Xylene	9.16	106	15066	3.748	ug/L	97
54) o-xylene	9.57	106	8146	2.134	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	3383	1.062	ug/L	96

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

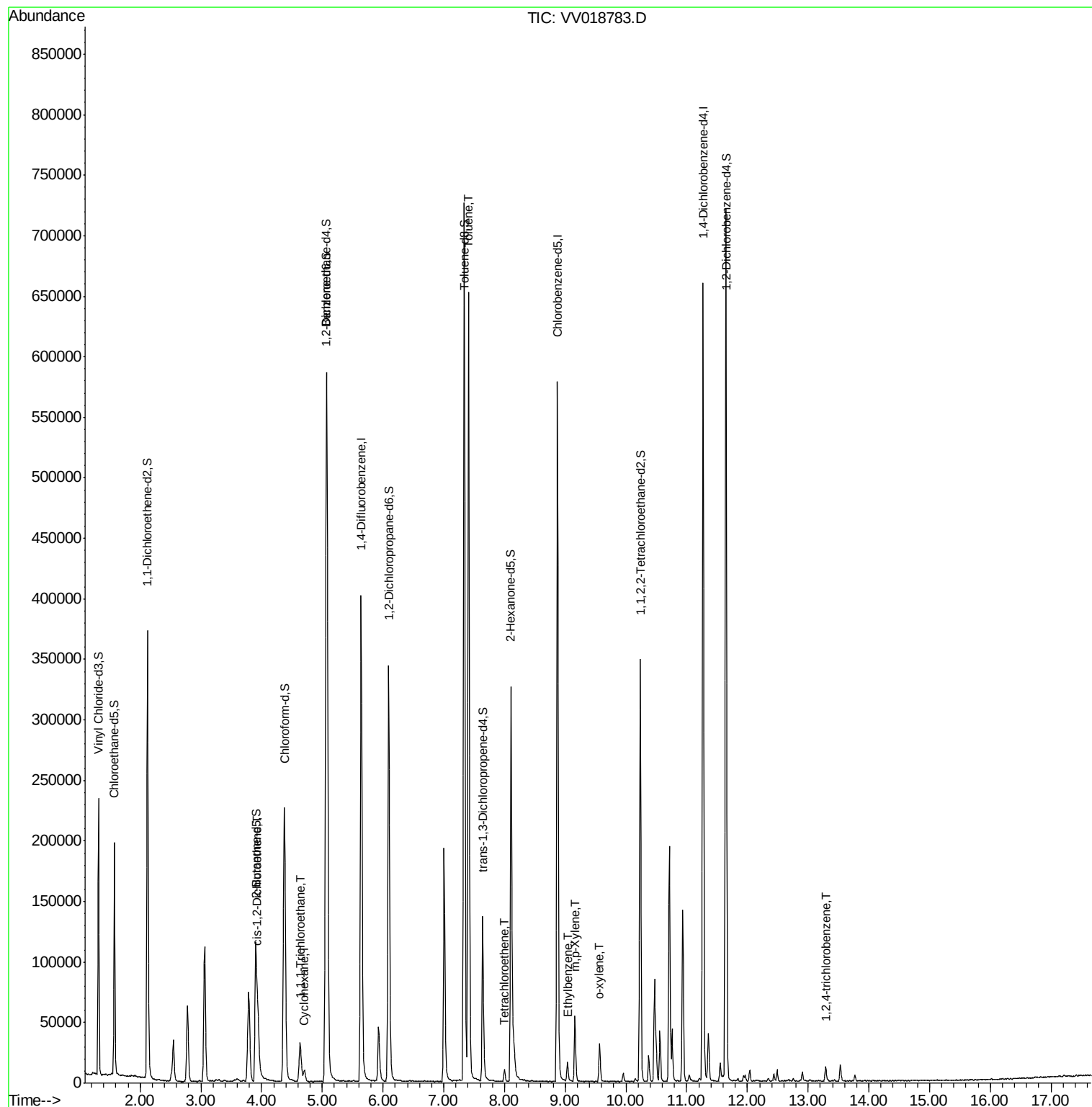
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018783.D
Acq On : 09 Oct 2020 00:38
Operator : SY/MD
Sample : L4239-09DL 400X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 14 Sample Multiplier: 1

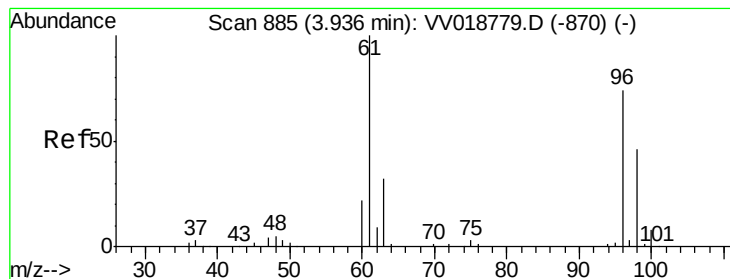
Instrument :
MSVOA_V
ClientSampleId :
BG3P2DL

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10/12/2020 3:36:35 PM

Quant Time: Oct 09 07:54:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 7.258 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

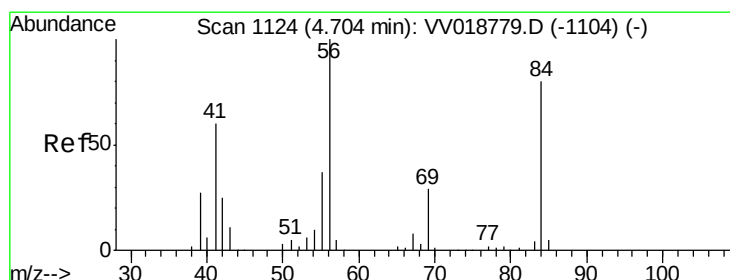
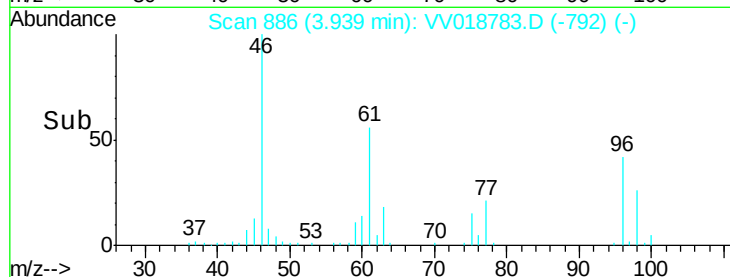
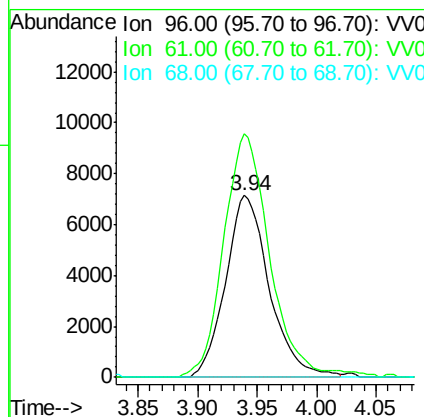
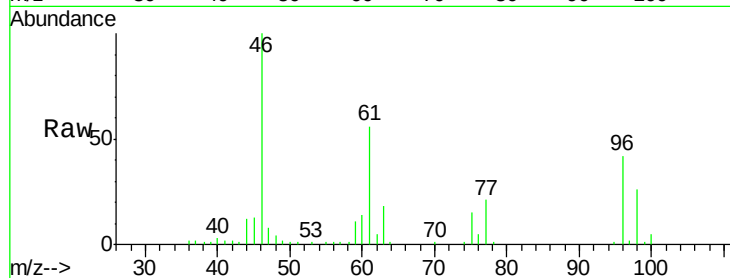
ClientSampleId :

BG3P2DL

Tot Ion:	96	Resp:	18207
Ion	Ratio	Lower	Upper
96	100		
61	133.8	97.3	180.7
68	0.0	0.0	0.0

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#29

Cyclohexane

Concen: 1.358 ug/L

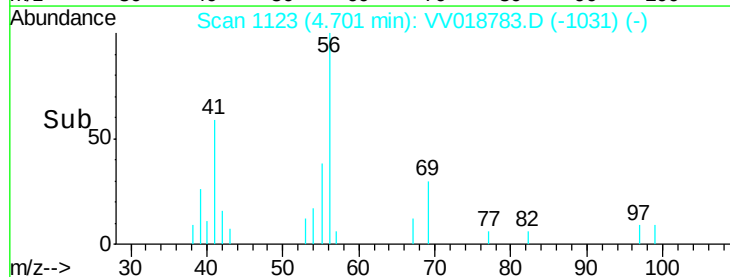
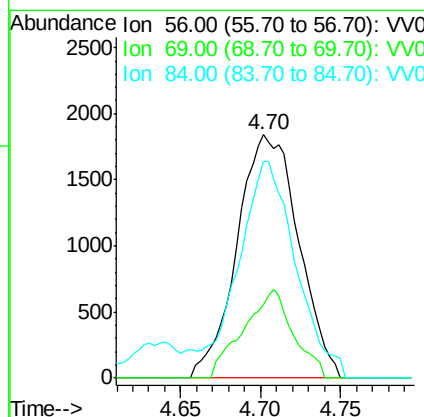
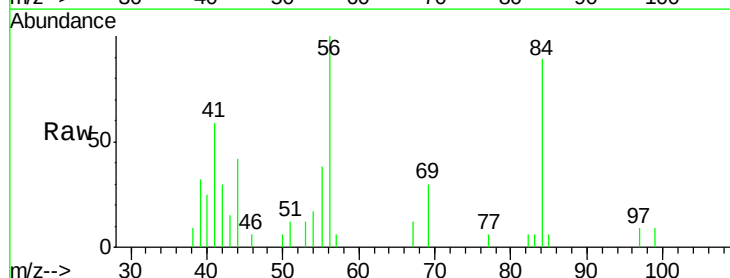
RT: 4.70 min Scan# 1123

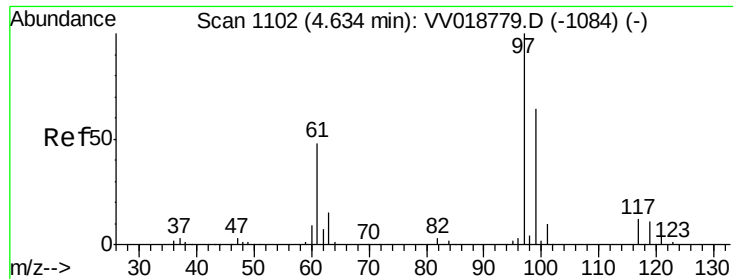
Delta R.T. -0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Tgt Ion:	56	Resp:	4866
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	82.9	65.2	97.8





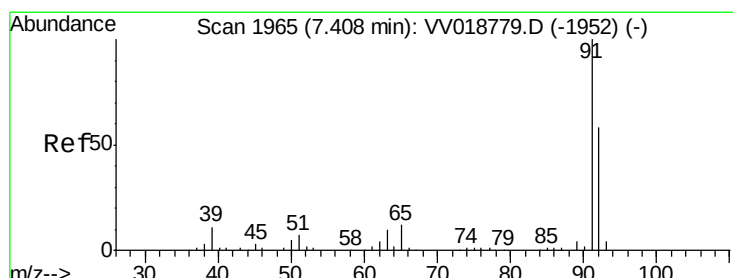
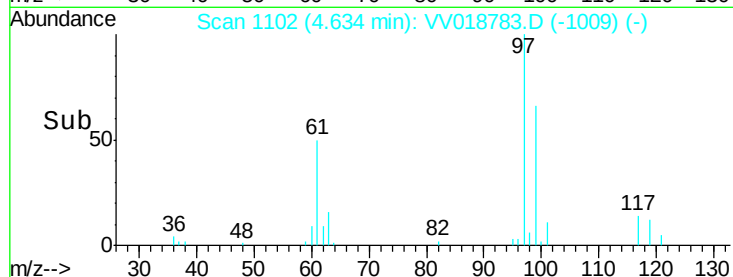
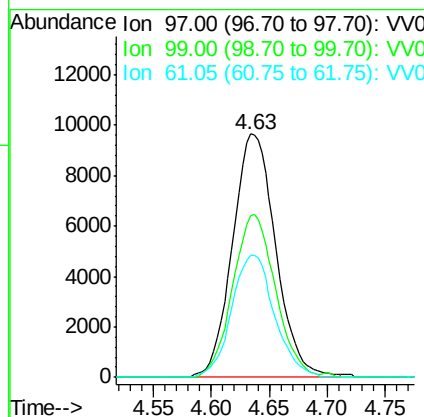
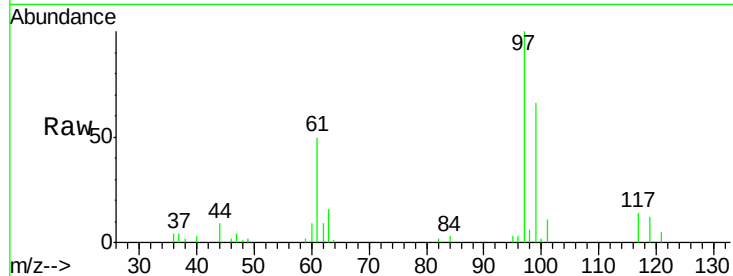
#30
 1,1,1-Trichloroethane
 Concen: 6.352 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.4
61	49.7	37.0	55.4

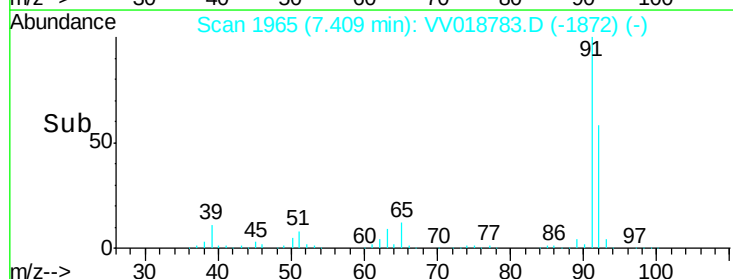
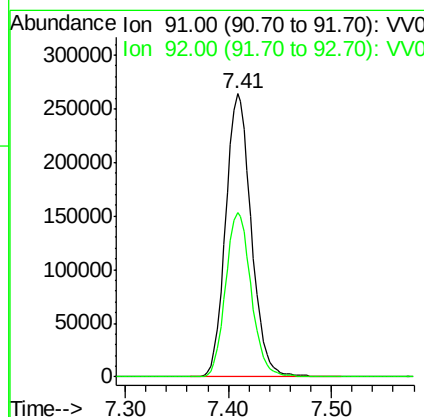
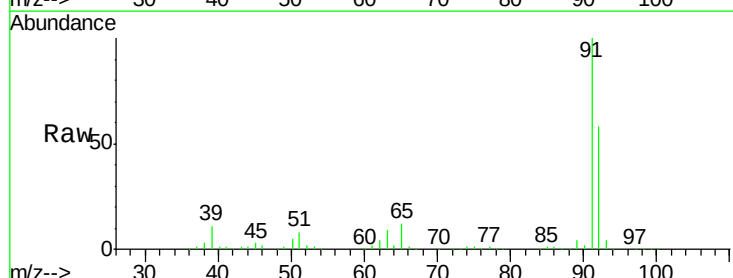
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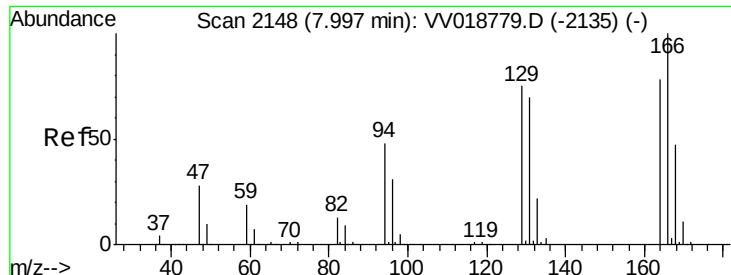
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#42
 Toluene
 Concen: 47.368 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	39.8	74.0





#46

Tetrachloroethene

Concen: 1.113 ug/L m

RT: 8.01 min Scan# 2151

Delta R.T. 0.01 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

BG3P2DL

Tot Ion:164 Resp: 2204

Ion Ratio Lower Upper

164 100

129 92.3 64.6 120.0

131 78.4 63.6 118.0

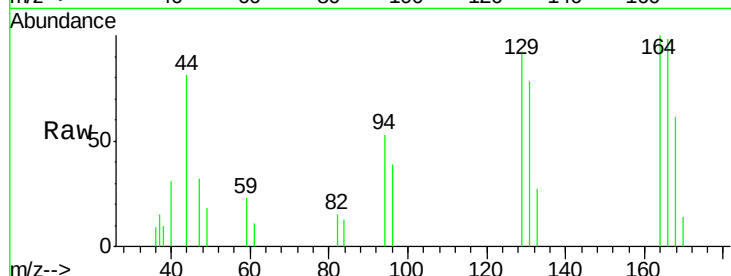
166 97.6 88.3 164.1

Manual Integrations

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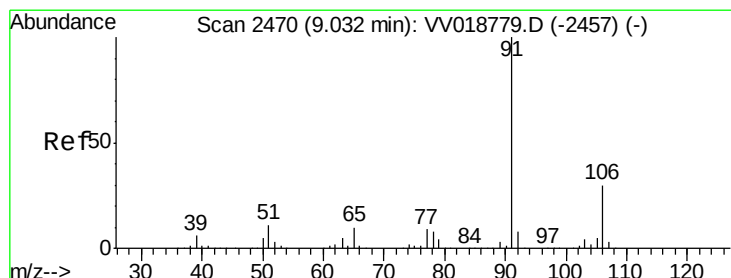
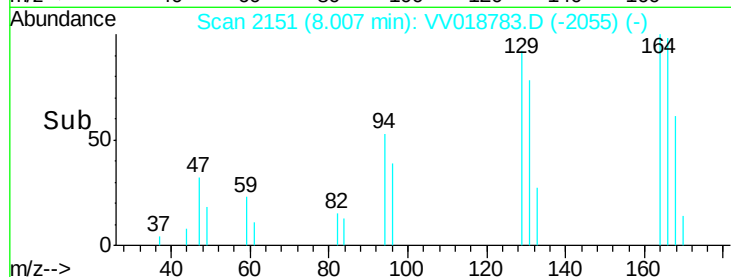
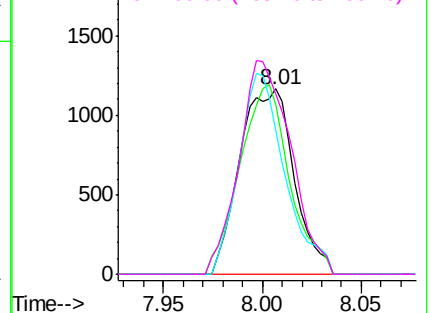


Abundance Ion 164.00 (163.70 to 164.70): V

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



#52

Ethylbenzene

Concen: 1.052 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018783.D

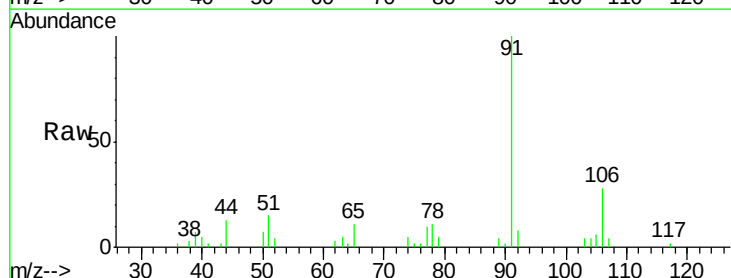
Acq: 09 Oct 2020 00:38

Tgt Ion: 91 Resp: 11521

Ion Ratio Lower Upper

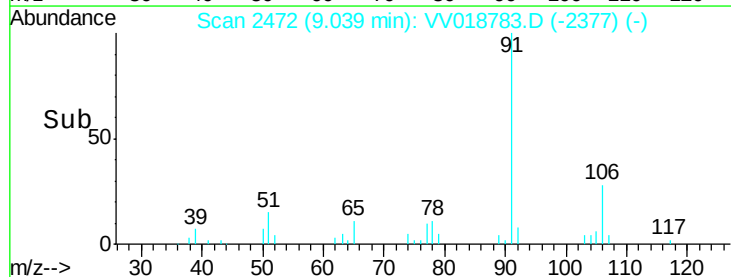
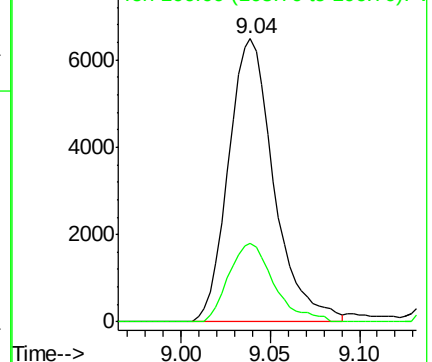
91 100

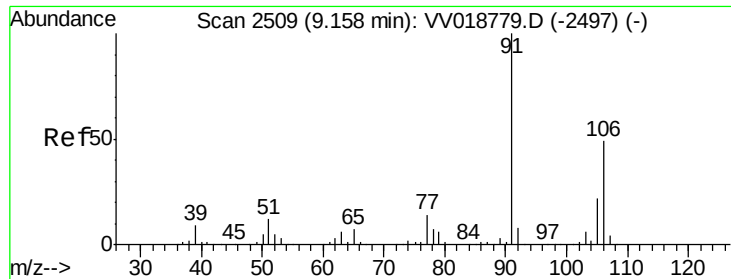
106 27.6 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 3.748 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

BG3P2DL

Tot Ion:106 Resp: 15066

Ion Ratio Lower Upper

106 100

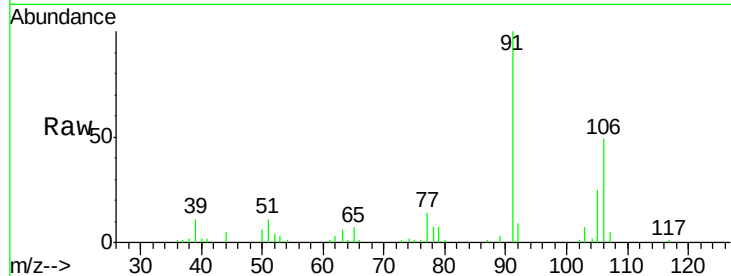
91 205.4 147.1 273.1

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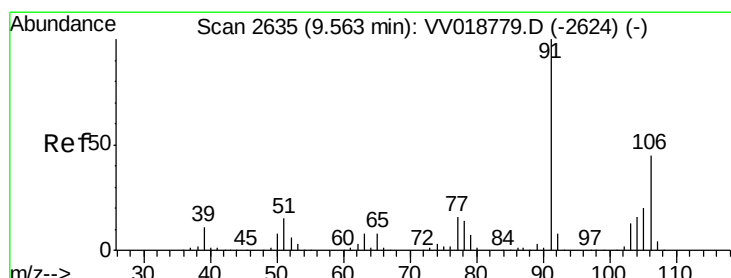
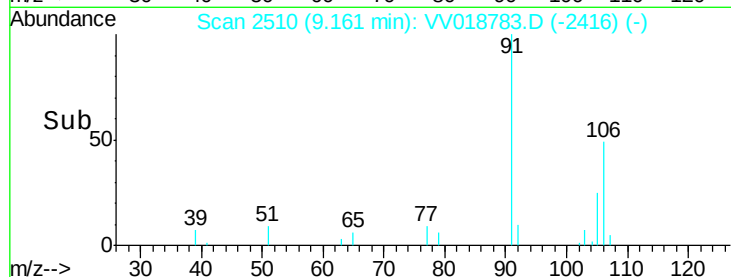
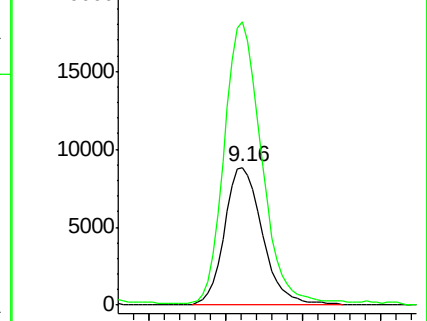
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.134 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018783.D

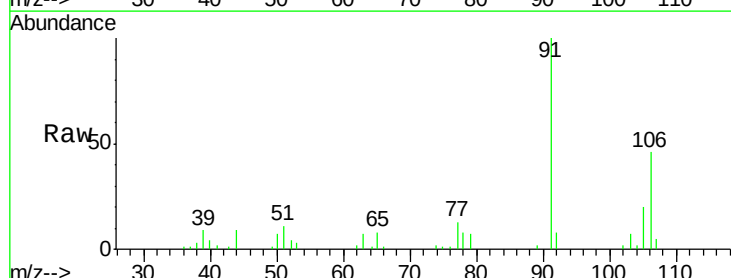
Acq: 09 Oct 2020 00:38

Tgt Ion:106 Resp: 8146

Ion Ratio Lower Upper

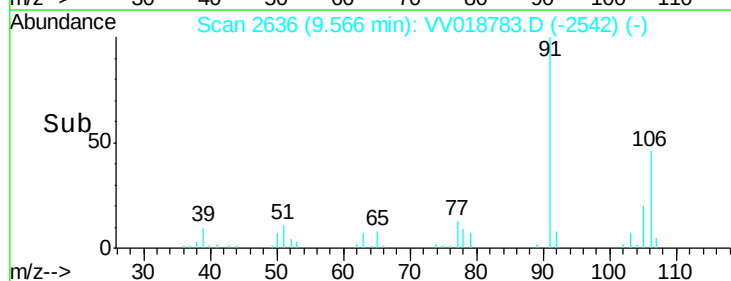
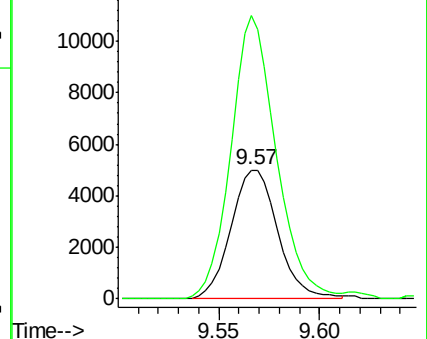
106 100

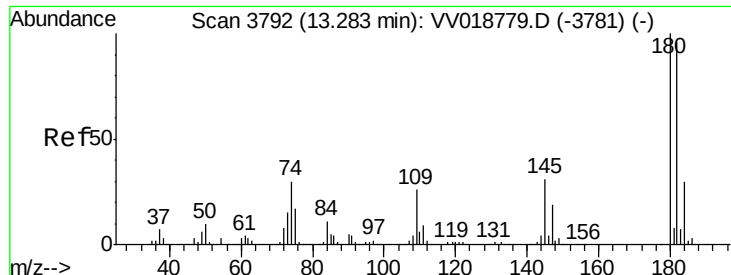
91 219.8 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





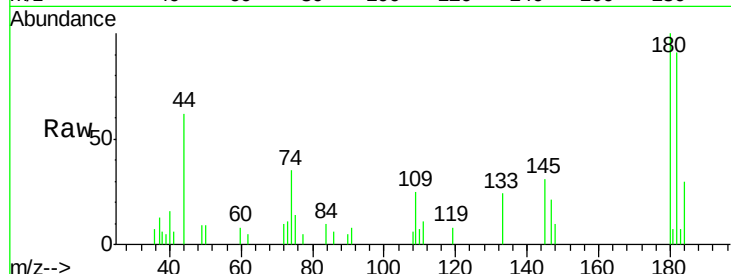
#68
 1,2,4-trichlorobenzene
 Concen: 1.062 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	76.7	115.1
145	31.7	24.0	36.0

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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

