

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018485.D
 Acq On : 28 Sep 2020 11:56
 Operator : SY/MD
 Sample : L4109-11DL 5X
 Misc : 5.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1MEDL

Quant Time: Sep 29 00:51:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	356106	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	343732	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	190190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117997	40.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.32%
7) Chloroethane-d5	1.58	69	100400	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.56%
11) 1,1-Dichloroethene-d2	2.12	63	166987	31.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.74%
21) 2-Butanone-d5	3.92	46	159948	90.04	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.04%
24) Chloroform-d	4.37	84	211226	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.90%
26) 1,2-Dichloroethane-d4	5.05	65	139555	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
32) Benzene-d6	5.07	84	440637	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
36) 1,2-Dichloropropane-d6	6.09	67	140545	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.90%
41) Toluene-d8	7.34	98	404933	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.64	79	72343	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.11	63	113206	95.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	187403	47.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	181104	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.70	56	8633	2.175	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	12969	3.251	ug/L	99
35) Methylcyclohexane	6.09	83	33191	8.234	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	14985	5.754	ug/L #	93
39) cis-1,3-Dichloropropene	7.01	75	3971	0.990	ug/L #	63
42) Toluene	7.41	91	253737	24.397	ug/L	100
45) 1,1,2-Trichloroethane	7.81	97	7685	3.184	ug/L #	20
48) 2-Hexanone	8.11	43	17888	7.182	ug/L #	55
52) Ethylbenzene	9.03	91	107070	9.430	ug/L	99
53) m,p-Xylene	9.16	106	186200	43.934	ug/L	95
54) o-xylene	9.56	106	75134	18.402	ug/L	99
55) Styrene	9.57	104	3968	0.559	ug/L #	1
56) Isopropylbenzene	9.95	105	108137	9.827	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.24	83	5843	1.636	ug/L #	22
59) 1,2,3-Trichloropropane	10.37	75	3402	1.111	ug/L #	1
65) 1,2-Dichlorobenzene	11.67	146	7906	1.383	ug/L #	72
66) 1,2-Dibromo-3-chloropropan	12.44	75	1691	2.096	ug/L #	10

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 29 00:50:40 2020
Response via : Initial Calibration

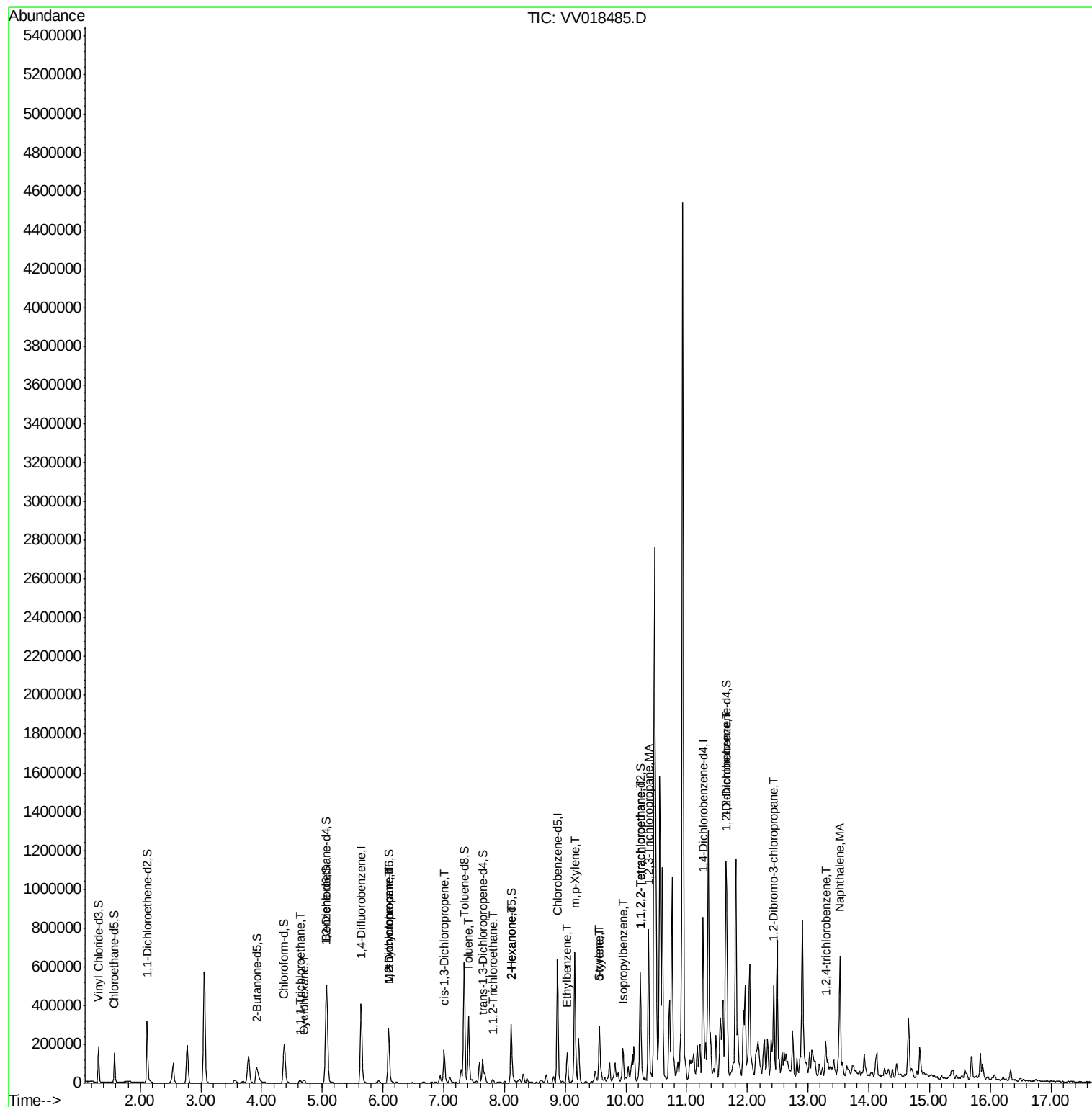
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.29	180	7006	1.765	ug/L #	67
69) Naphthalene	13.52	128	447820	44.577	ug/L	99

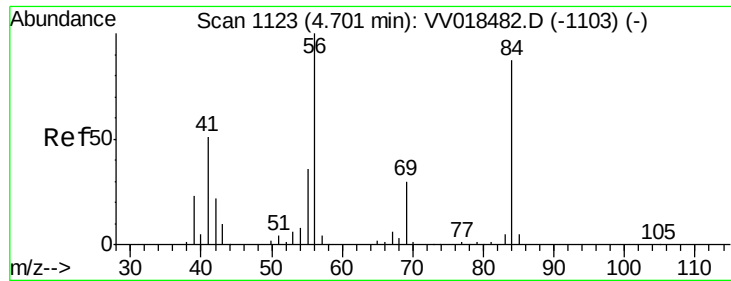
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092820\
Data File : VV018485.D
Acq On : 28 Sep 2020 11:56
Operator : SY/MD
Sample : L4109-11DL 5X
Misc : 5.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
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Quant Time: Sep 29 00:51:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 29 00:50:40 2020
Response via : Initial Calibration

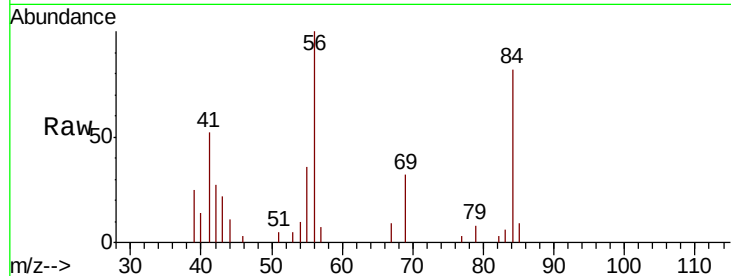




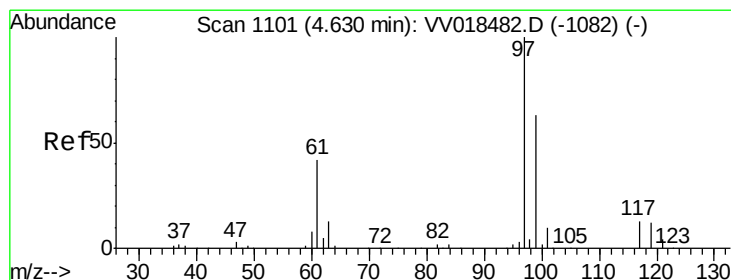
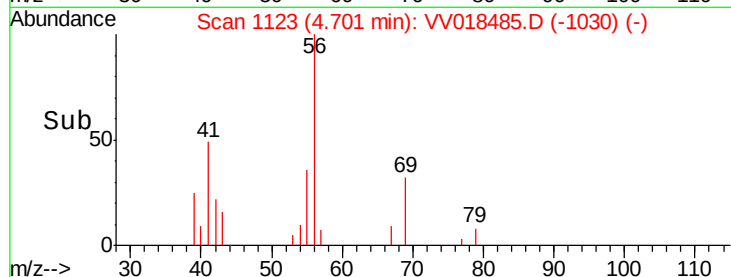
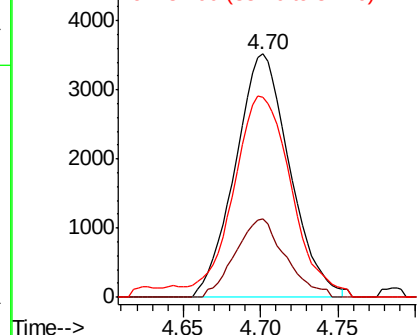
#29
Cyclohexane
Concen: 2.175 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
BG3X1MEDL

Tot Ion: 56 Resp: 8633
Ion Ratio Lower Upper
56 100
69 29.4 24.2 36.2
84 87.5 68.3 102.5

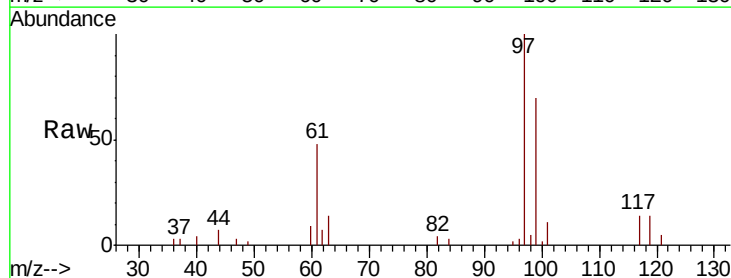


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

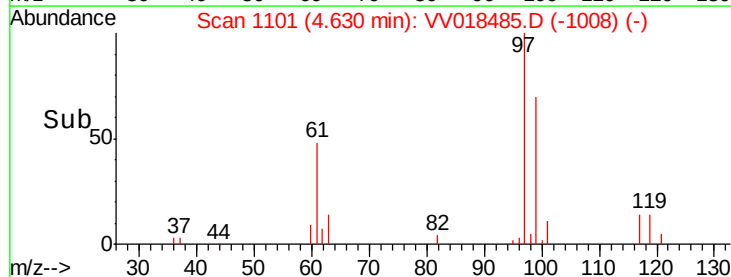
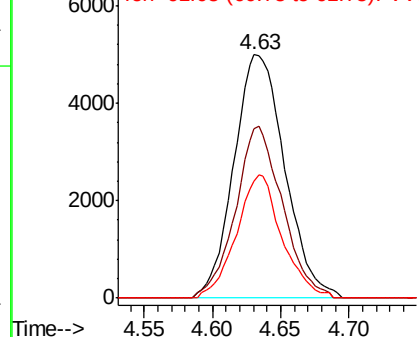


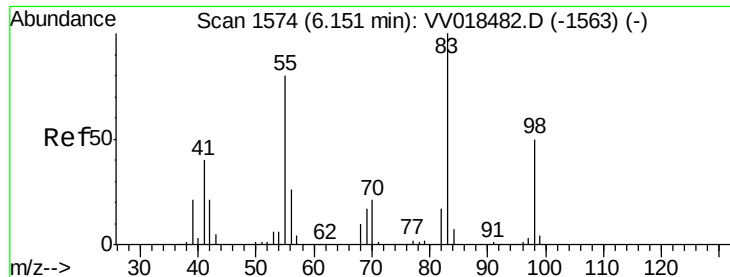
#30
1,1,1-Trichloroethane
Concen: 3.251 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

Tgt Ion: 97 Resp: 12969
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 45.0 34.9 52.3



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

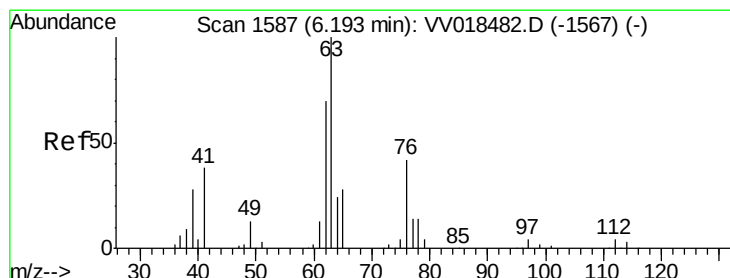
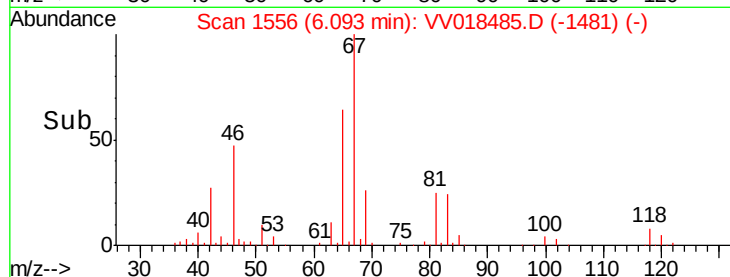
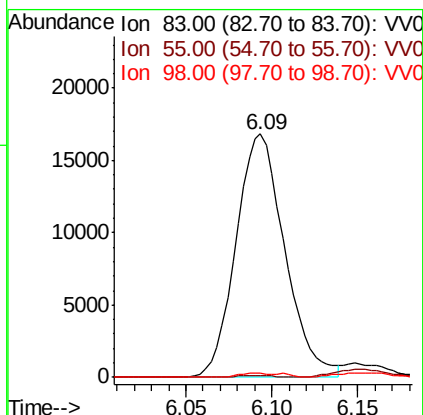
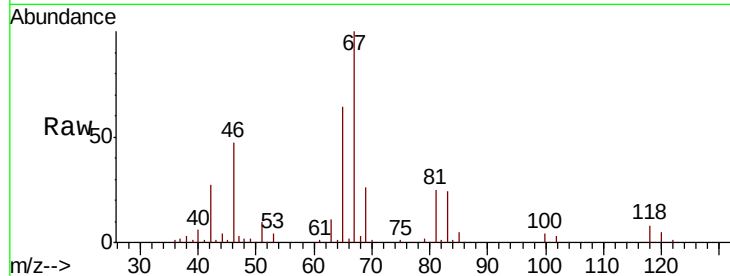




#35
Methylvlcyclohexane
Concen: 8.234 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

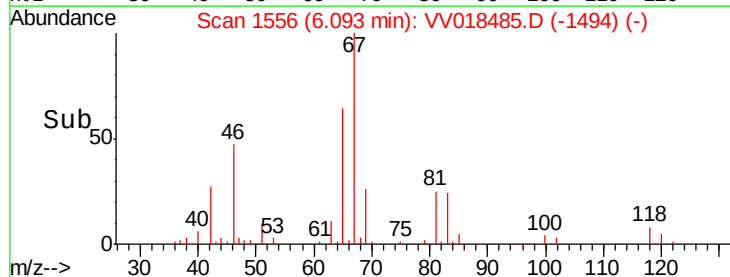
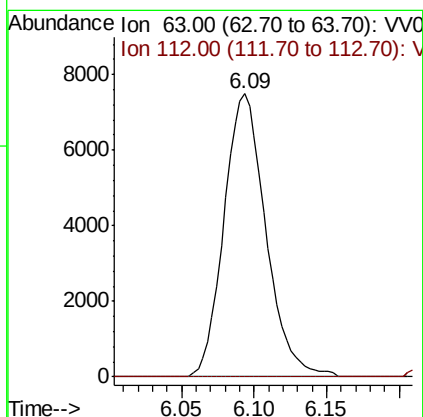
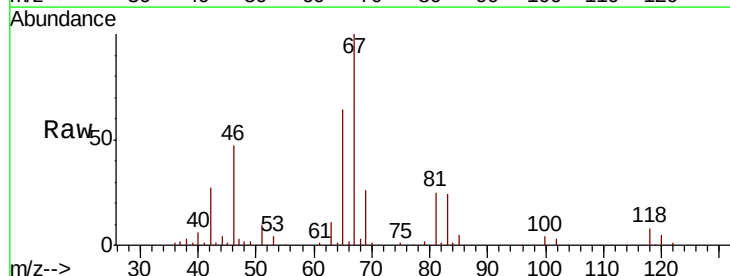
Instrument :
MSVOA_V
ClientSampleId :
BG3X1MEDL

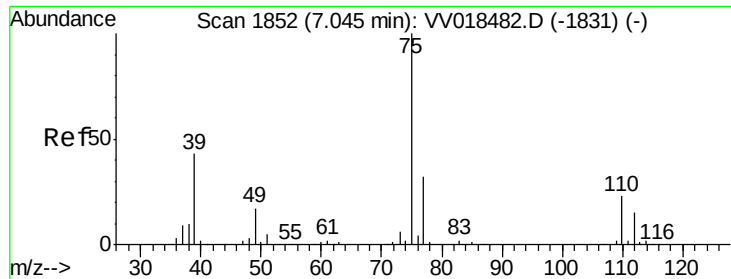
Tot Ion: 83 Resp: 33191
Ion Ratio Lower Upper
83 100
55 0.3 63.4 95.2#
98 1.1 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 5.754 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

Tgt Ion: 63 Resp: 14985
Ion Ratio Lower Upper
63 100
112 2.1 3.4 5.2#

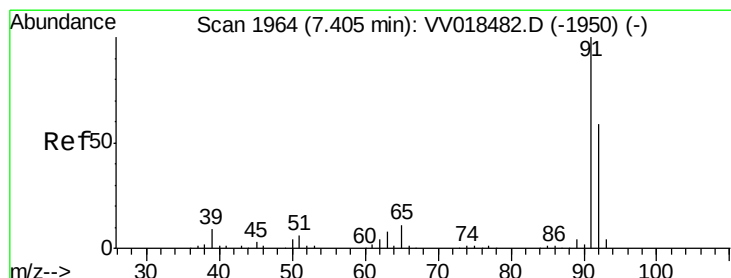
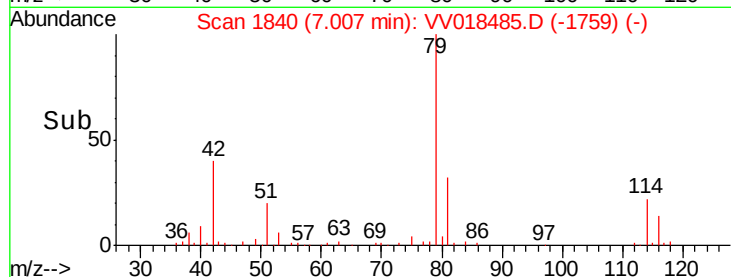
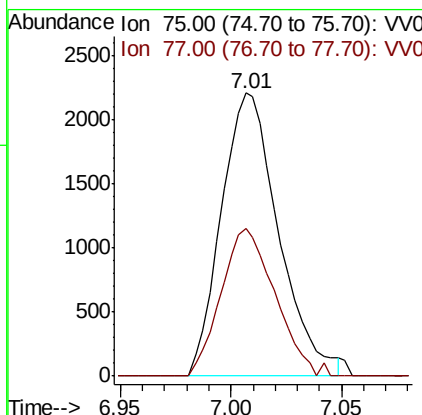
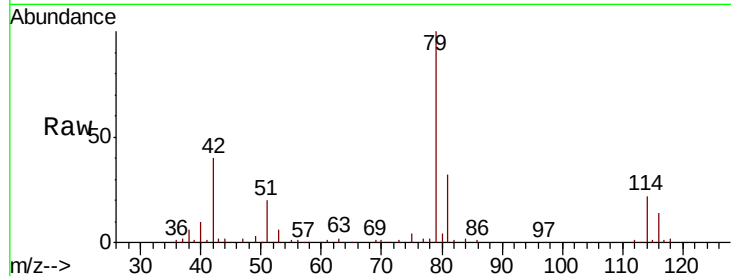




#39
 cis-1,3-Dichloropropene
 Concen: 0.990 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

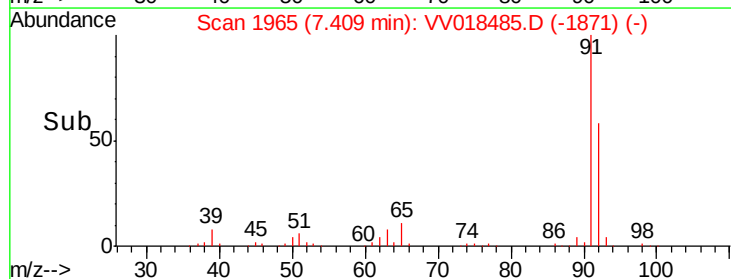
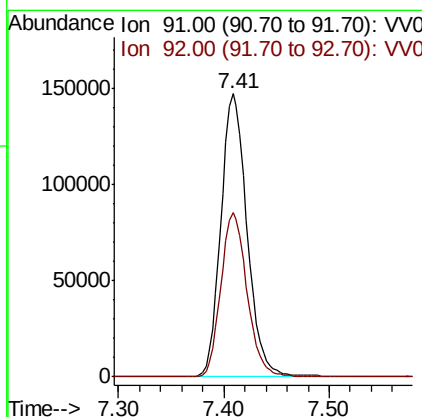
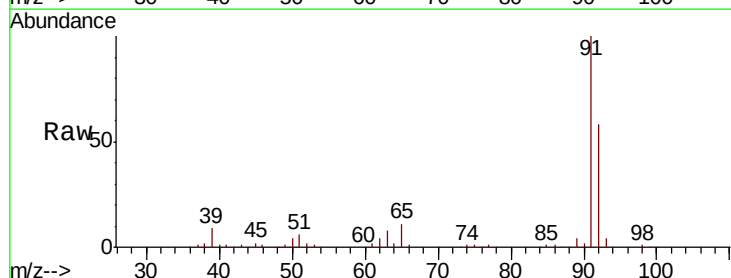
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1MEDL

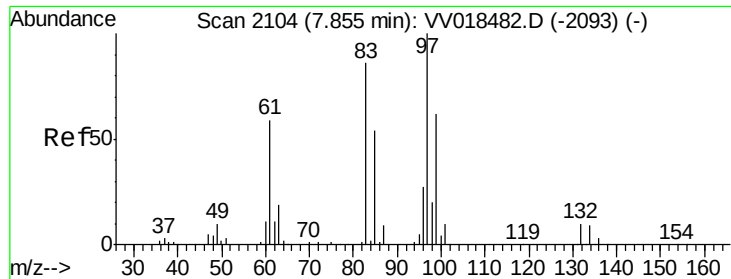
Tot Ion: 75 Resp: 3971
 Ion Ratio Lower Upper
 75 100
 77 52.3 22.3 41.3#



#42
 Toluene
 Concen: 24.397 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

Tgt Ion: 91 Resp: 253737
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.7 75.5

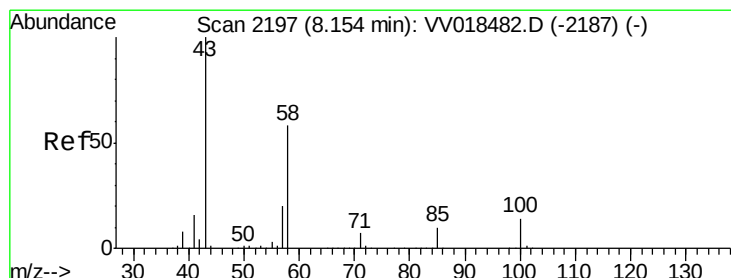
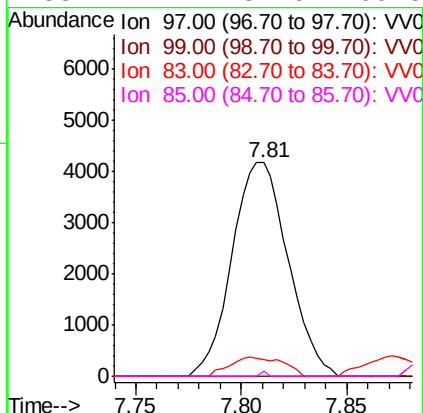
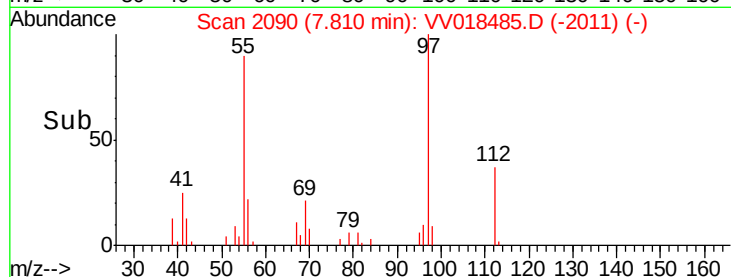
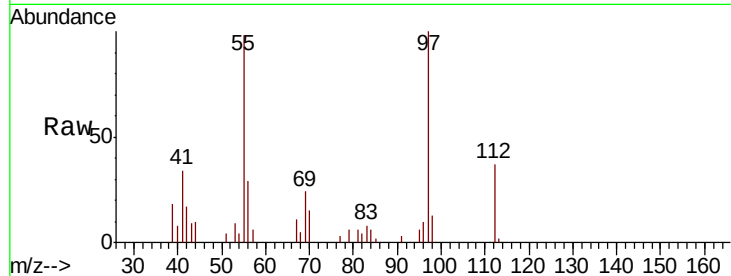




#45
 1,1,2-Trichloroethane
 Concen: 3.184 ug/L
 RT: 7.81 min Scan# 2090
 Delta R.T. -0.04 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

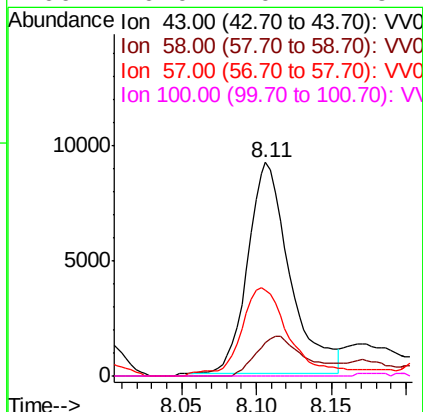
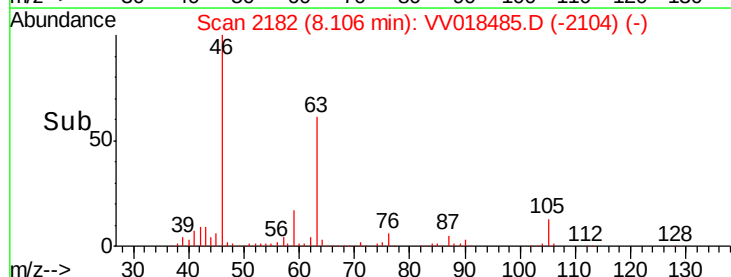
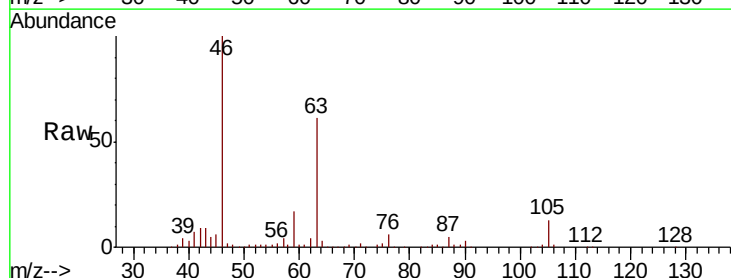
Instrument :
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 ClientSampleId :
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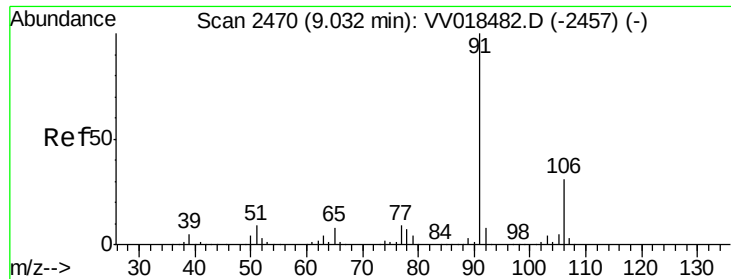
Tot Ion:	97	Resp:	7685
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	7.5	59.9	111.3#
85	2.4	37.6	69.8#



#48
 2-Hexanone
 Concen: 7.182 ug/L
 RT: 8.11 min Scan# 2182
 Delta R.T. -0.05 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

Tgt Ion:	43	Resp:	17888
Ion	Ratio	Lower	Upper
43	100		
58	21.5	44.8	67.2#
57	40.7	15.8	23.6#
100	0.0	10.2	15.4#





#52

Ethylbenzene

Concen: 9.430 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

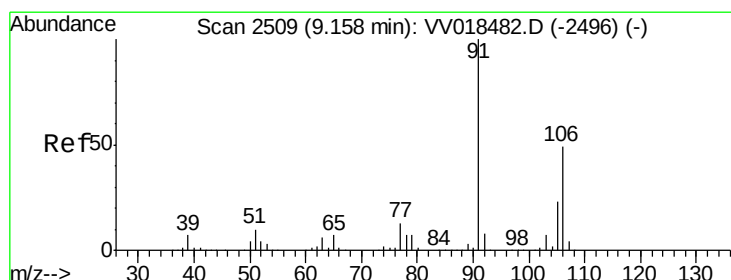
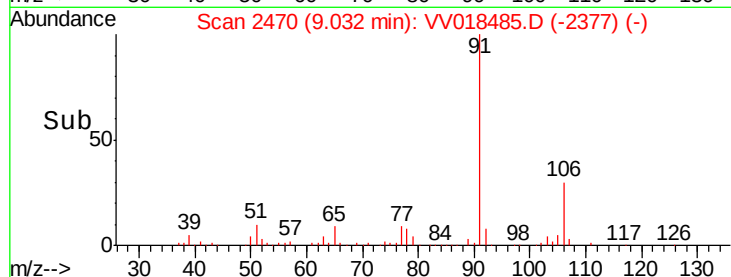
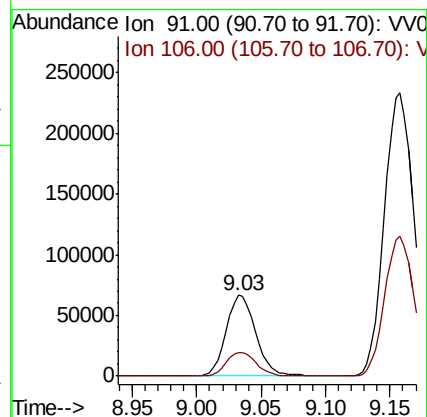
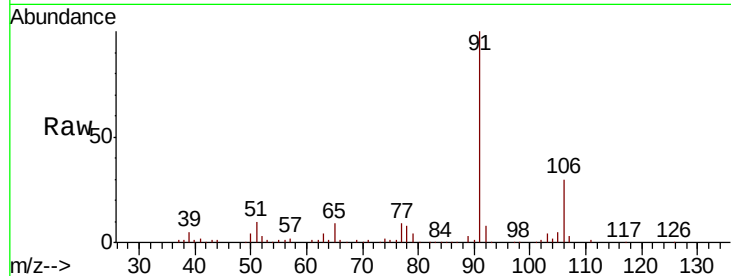
BG3X1MEDL

Tot Ion: 91 Resp: 107070

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 43.934 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018485.D

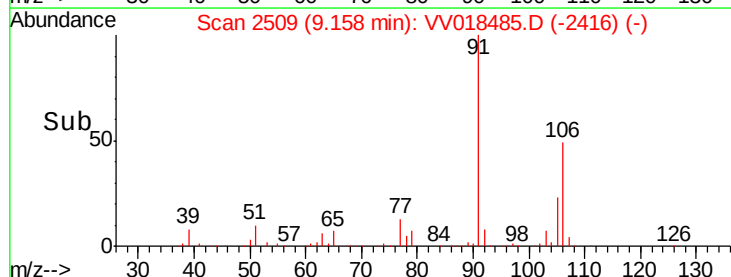
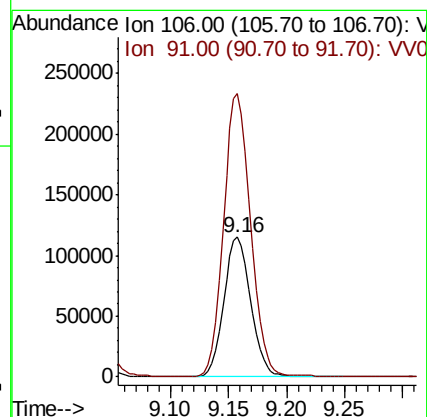
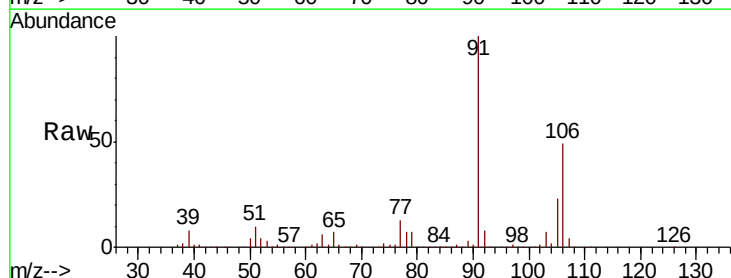
Acq: 28 Sep 2020 11:56

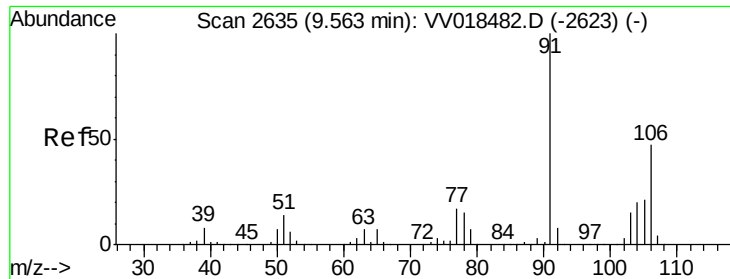
Tgt Ion: 106 Resp: 186200

Ion Ratio Lower Upper

106 100

91 202.4 146.7 272.5

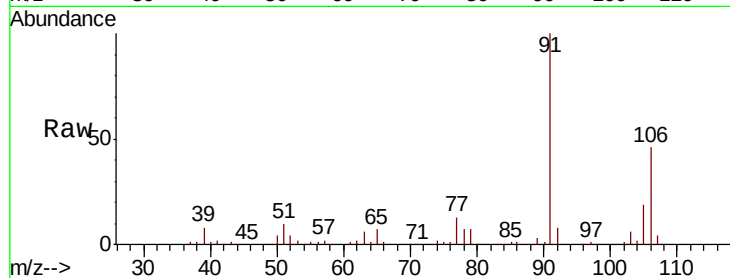




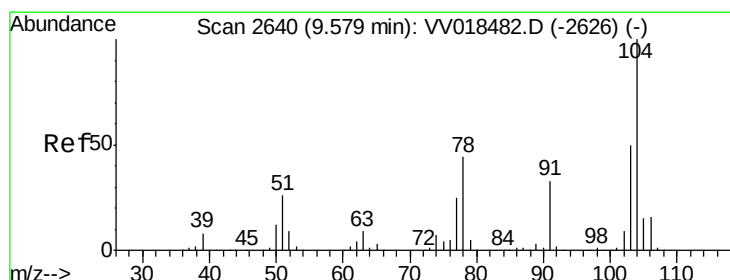
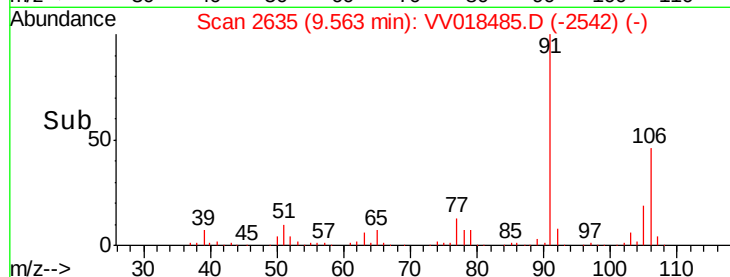
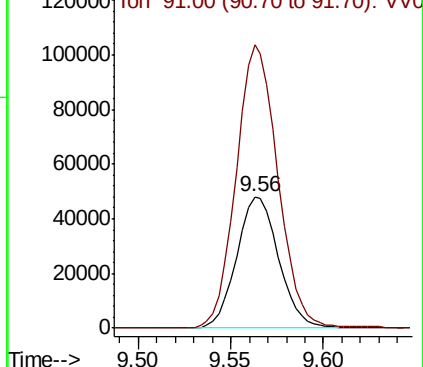
#54
o-xylene
Concen: 18.402 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
BG3X1MEDL

Tot Ion:106 Resp: 75134
Ion Ratio Lower Upper
106 100
91 215.2 152.2 282.6

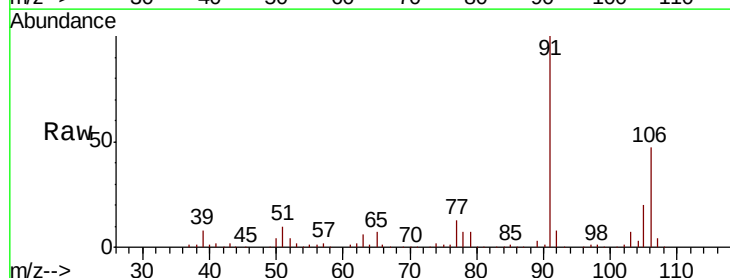


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

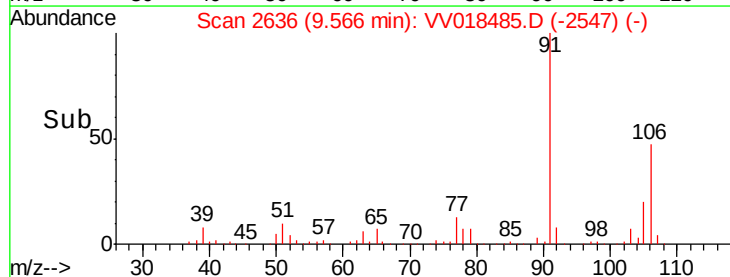
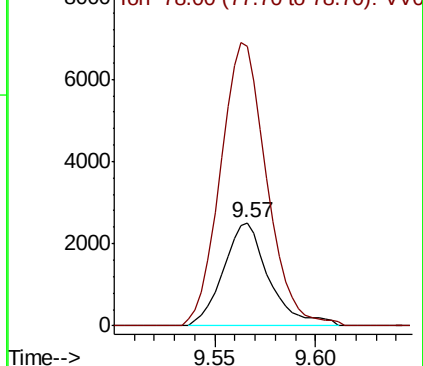


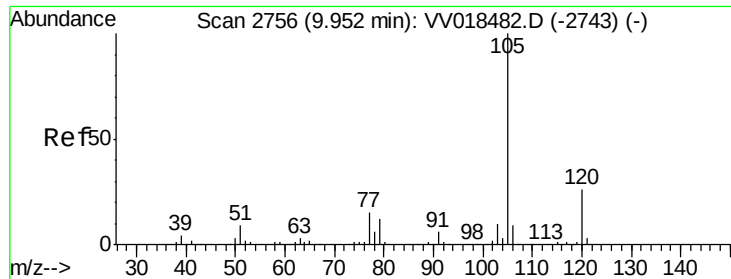
#55
Styrene
Concen: 0.559 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VV018485.D
Acq: 28 Sep 2020 11:56

Tgt Ion:104 Resp: 3968
Ion Ratio Lower Upper
104 100
78 270.1 31.4 58.2#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.827 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampled :

BG3X1MEDL

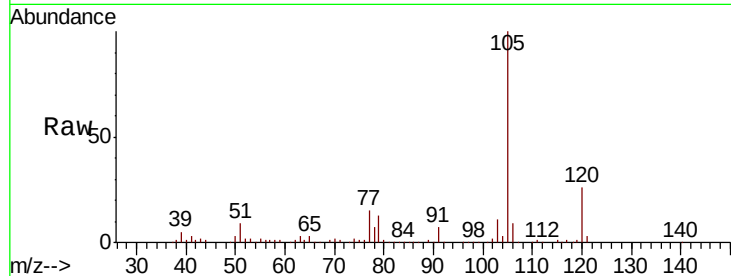
Tot Ion:105 Resp: 108137

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

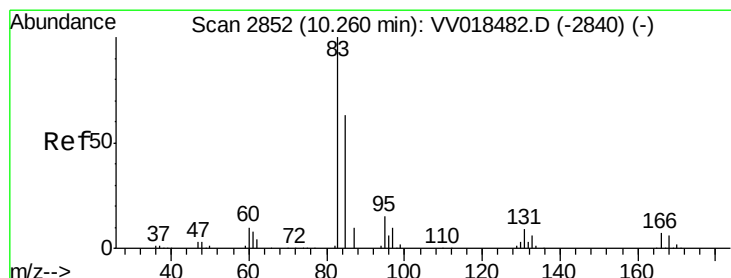
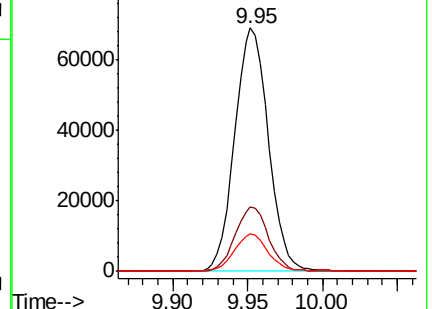
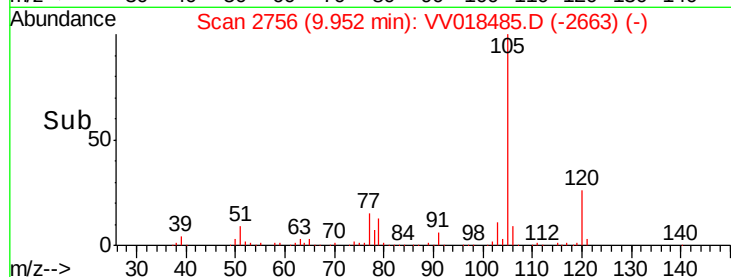
77 15.5 12.5 18.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 1.636 ug/L

RT: 10.24 min Scan# 2846

Delta R.T. -0.02 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

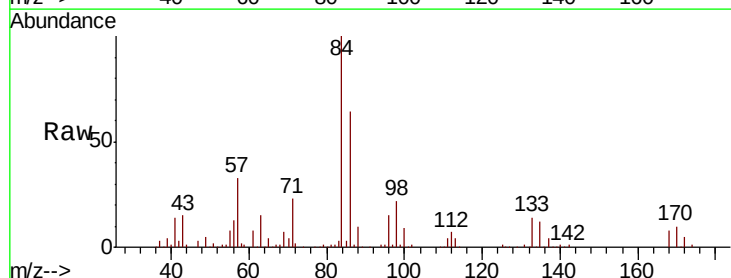
Tgt Ion: 83 Resp: 5843

Ion Ratio Lower Upper

83 100

85 123.8 45.8 85.2#

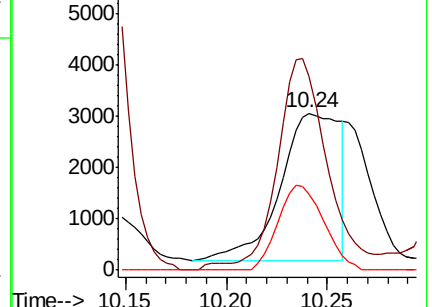
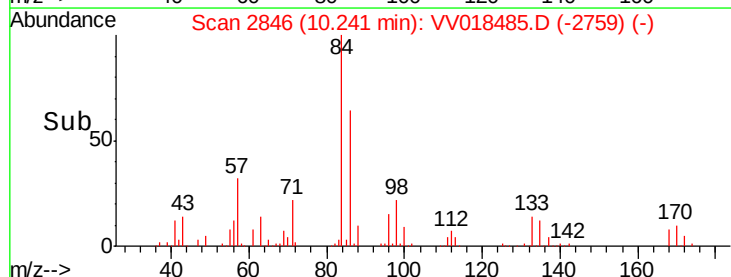
131 48.5 8.0 12.0#

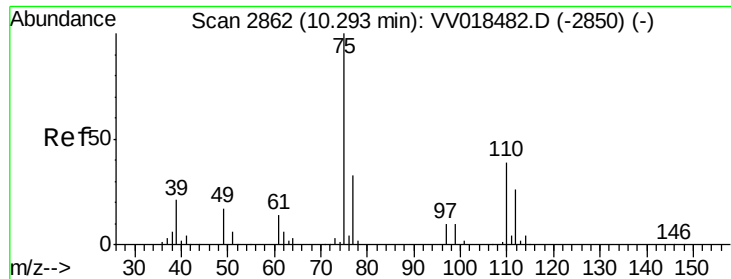


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.111 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

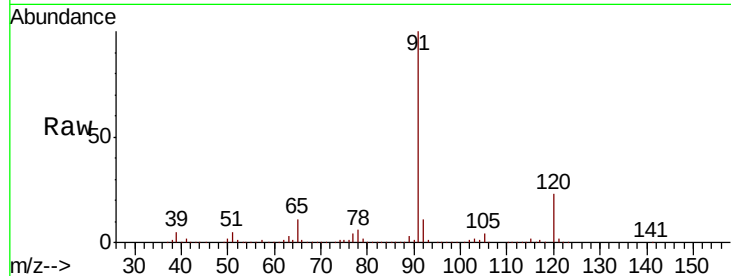
BG3X1MEDL

Tot Ion: 75 Resp: 3402

Ion Ratio Lower Upper

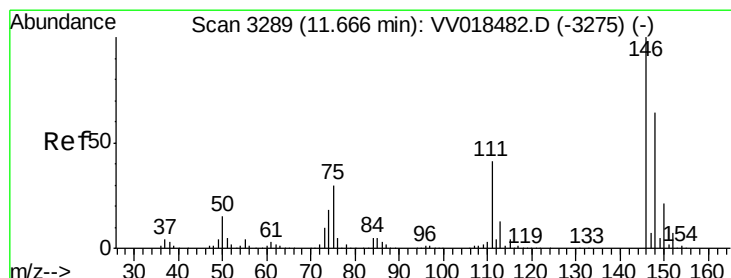
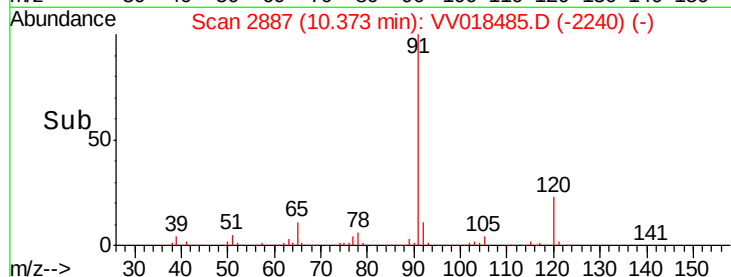
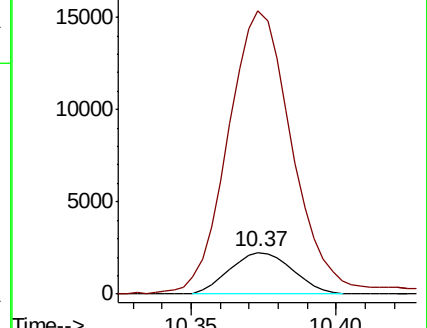
75 100

77 694.2 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VV018485.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018485.D (-2850) (-)



#65

1,2-Dichlorobenzene

Concen: 1.383 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

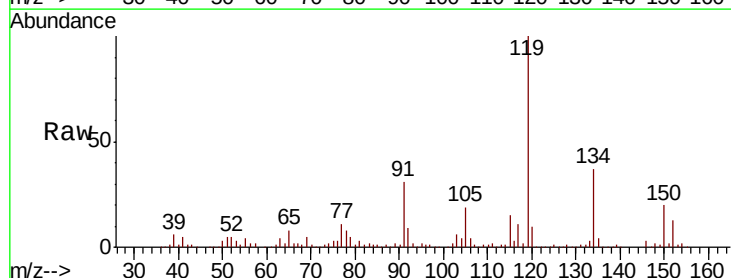
Tgt Ion: 146 Resp: 7906

Ion Ratio Lower Upper

146 100

111 80.8 32.8 49.2#

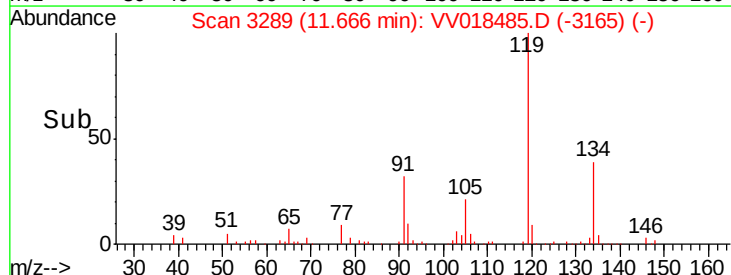
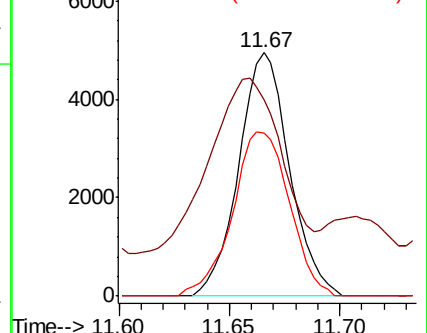
148 67.1 50.7 76.1

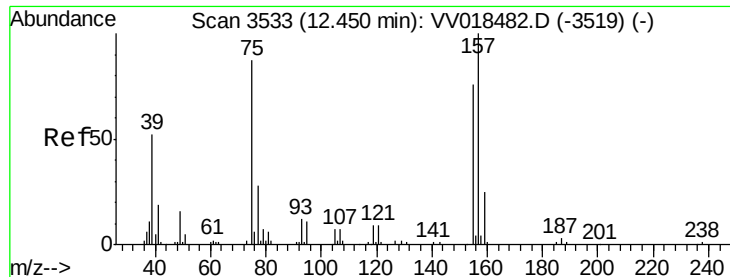


Abundance Ion 146.00 (145.70 to 146.70): VV018485.D (-3165) (-)

Ion 111.00 (110.70 to 111.70): VV018485.D (-3165) (-)

Ion 148.00 (147.70 to 148.70): VV018485.D (-3165) (-)

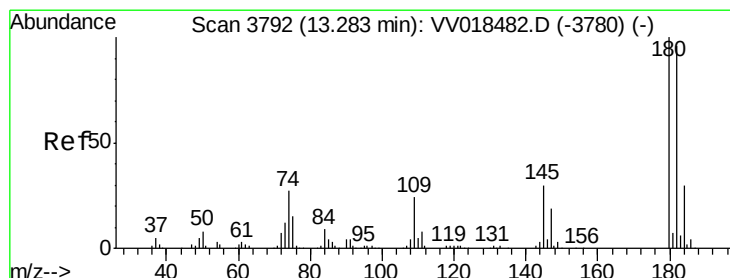
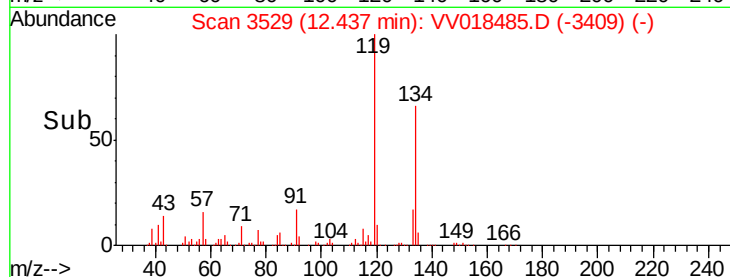
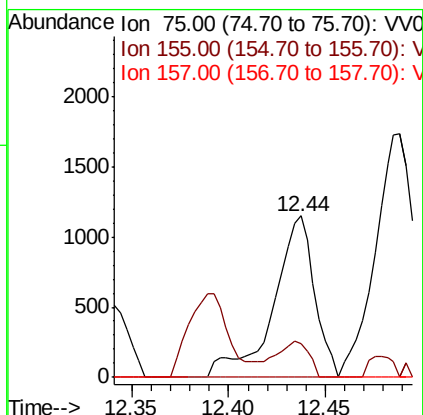
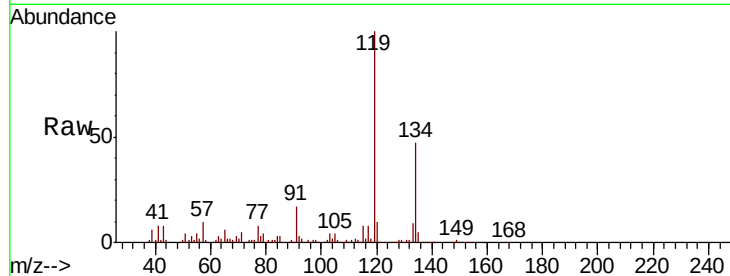




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.096 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. -0.01 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

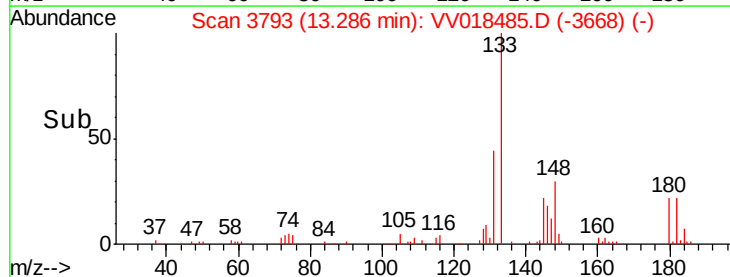
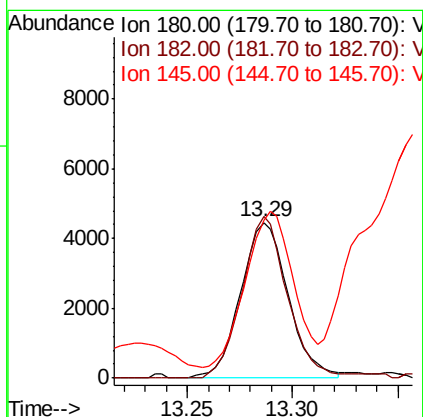
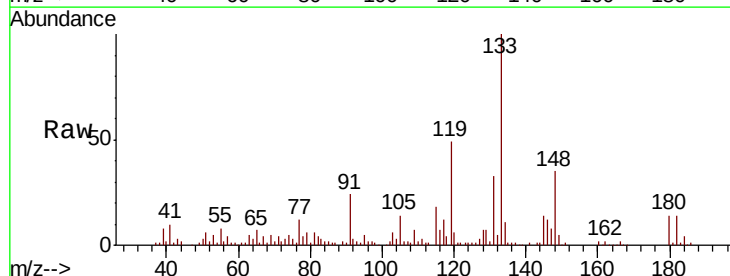
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1MEDL

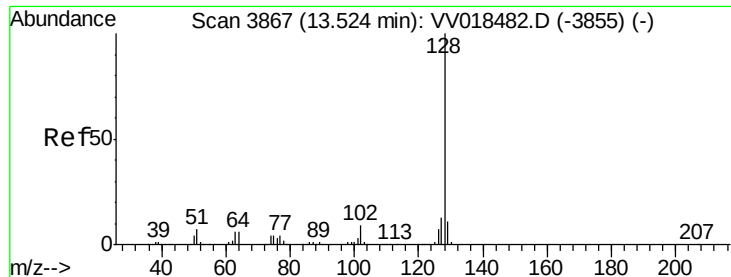
Tot Ion: 75 Resp: 1691
 Ion Ratio Lower Upper
 75 100
 155 20.8 69.7 104.5#
 157 0.0 88.2 132.4#



#68
 1,2,4-trichlorobenzene
 Concen: 1.765 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

Tgt Ion: 180 Resp: 7006
 Ion Ratio Lower Upper
 180 100
 182 98.8 77.4 116.2
 145 100.9 23.2 34.8#





#69

Naphthalene

Concen: 44.577 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

BG3X1MEDL

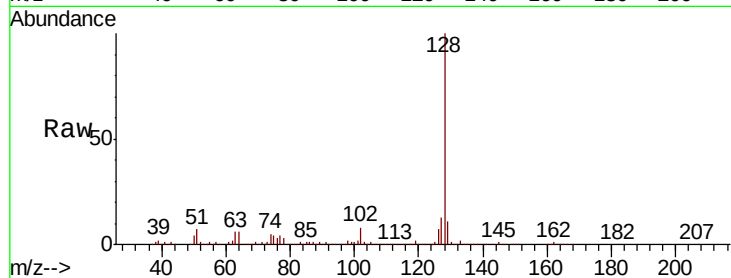
Tot Ion:128 Resp: 447820

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 11.3 8.6 13.0



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

