

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023803.D
 Acq On : 06 Dec 2021 17:20
 Operator : SY/MD
 Sample : M4879-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0G68

Quant Time: Dec 07 05:32:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	178386	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	168074	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	86755	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	47156	3.220	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.568	69	38193	3.318	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.400%
11) 1,1-Dichloroethene-d2	2.108	63	69115	2.678	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.600%#
20) 2-Butanone-d5	3.886	46	119470	67.864	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.720%#
24) Chloroform-d	4.349	84	111981	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.034	65	50573	4.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.050	84	214948	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.072	67	63094	4.916	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.317	98	218908	5.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	7.625	79	21481	4.152	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.088	63	105597	61.430	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.860%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44693	4.839	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	72981	4.758	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	20200	1.307	ug/L	96
6) Bromomethane	1.523	94	658	0.075	ug/L	95
13) Acetone	2.179	43	10605	6.695	ug/L	61
14) Carbon disulfide	2.297	76	11876	0.296	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	6716	0.493	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	438871	33.617	ug/L	99
30) Cyclohexane	4.677	56	238231	12.997	ug/L	92
33) Benzene	5.104	78	50785	1.060	ug/L	100
34) Trichloroethene	5.912	95	216388	16.858	ug/L	96
35) Methylcyclohexane	6.130	83	178442	8.917	ug/L	91
42) Toluene	7.387	91	463665	8.923	ug/L	97
47) Tetrachloroethene	7.976	164	123961	10.610	ug/L	97
52) Ethylbenzene	9.014	91	5867897	108.027	ug/L	99
53) m,p-xylene	9.140	106	3246280	150.160	ug/L	99
54) o-xylene	9.542	106	719867	35.014	ug/L	97
60) Isopropylbenzene	9.931	105	643890	12.430	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.542	105	3778914	87.668	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	13584639	318.690	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

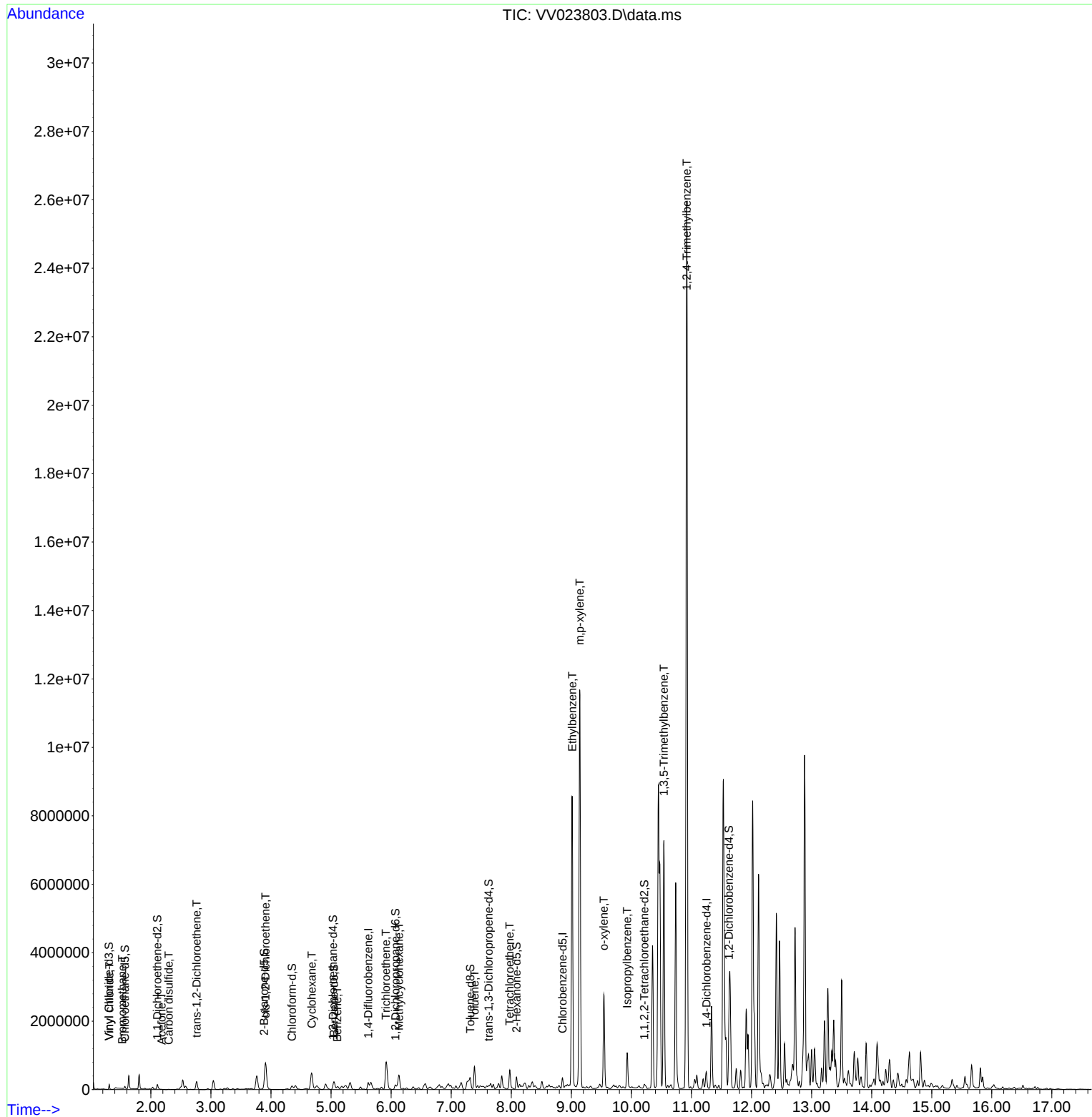
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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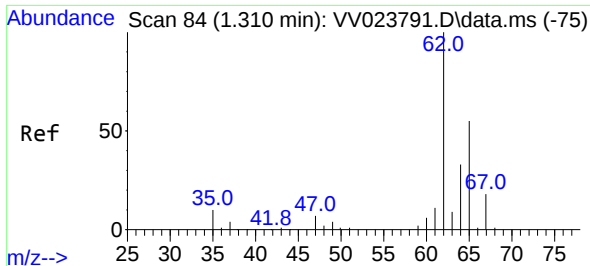
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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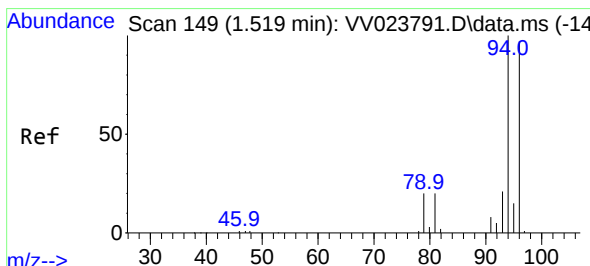
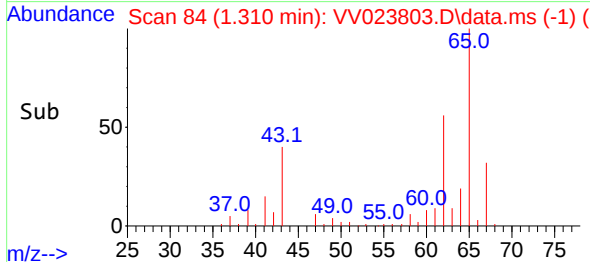
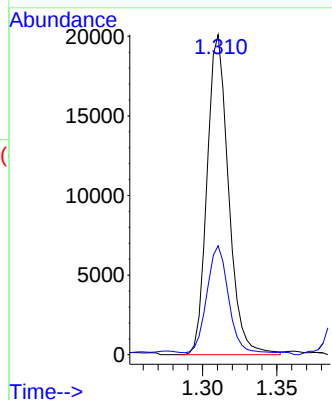
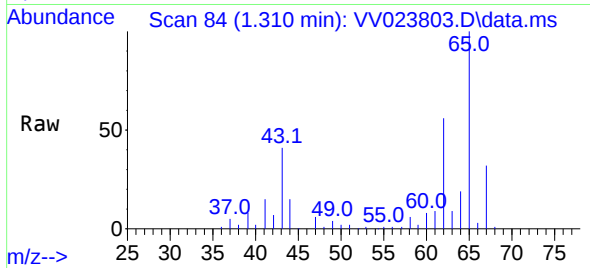




#5
 Vinyl chloride
 Concen: 1.307 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023803.D
 Acq: 06 Dec 2021 17:20

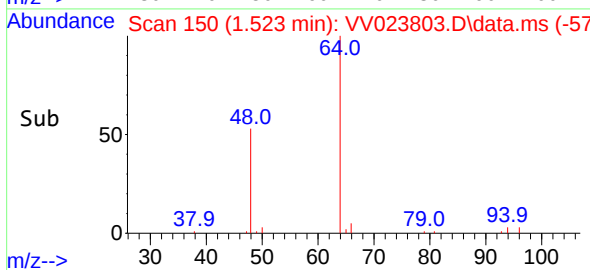
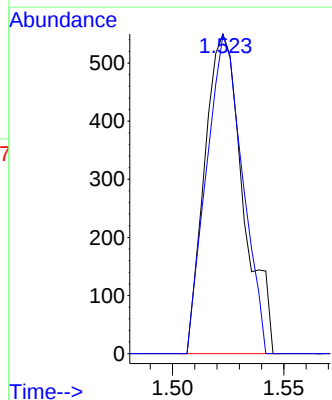
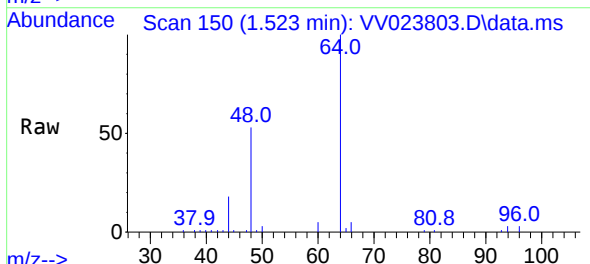
Instrument :
 MSVOA_V
 ClientSampleId :
 C0G68

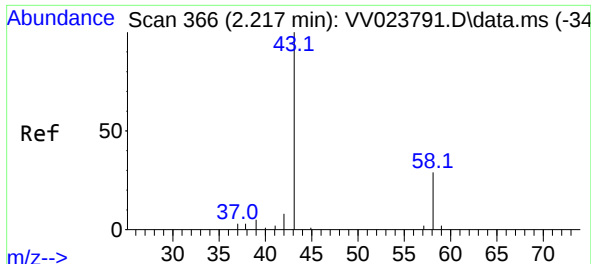
Tgt Ion: 62 Resp: 20200
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.4 41.6



#6
 Bromomethane
 Concen: 0.075 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023803.D
 Acq: 06 Dec 2021 17:20

Tgt Ion: 94 Resp: 658
 Ion Ratio Lower Upper
 94 100
 96 99.6 66.2 123.0





#13

Acetone

Concen: 6.695 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.045 min

Lab File: VV023803.D

Acq: 06 Dec 2021 17:20

Instrument :

MSVOA_V

ClientSampleId :

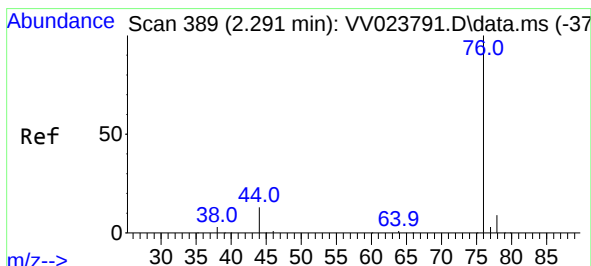
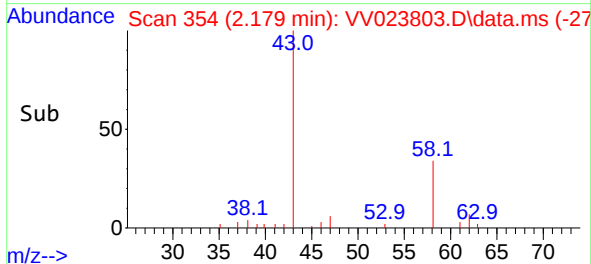
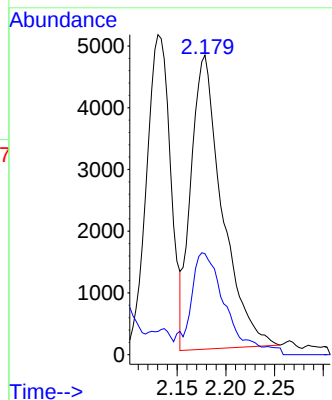
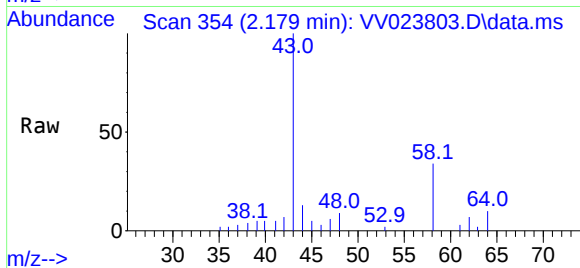
C0G68

Tgt Ion: 43 Resp: 10605

Ion Ratio Lower Upper

43 100

58 39.0 0.0 41.4



#14

Carbon disulfide

Concen: 0.296 ug/L

RT: 2.297 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023803.D

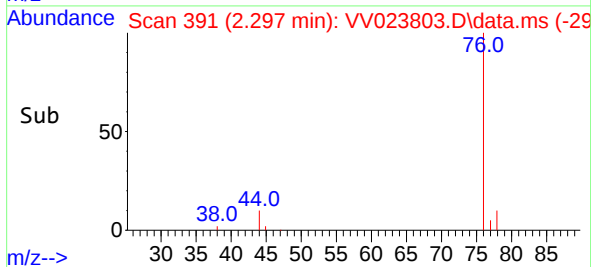
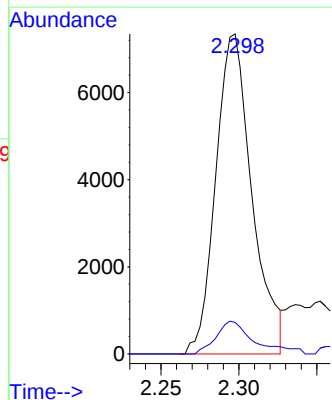
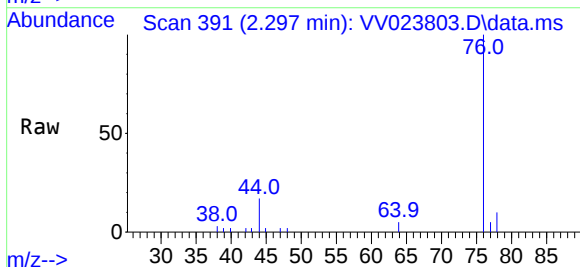
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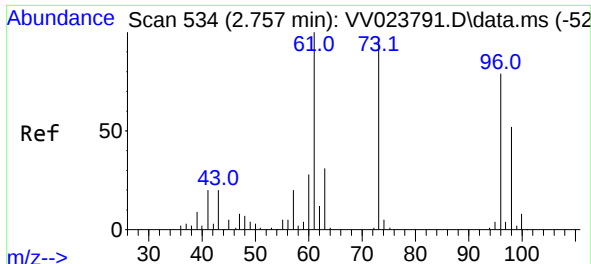
Tgt Ion: 76 Resp: 11876

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

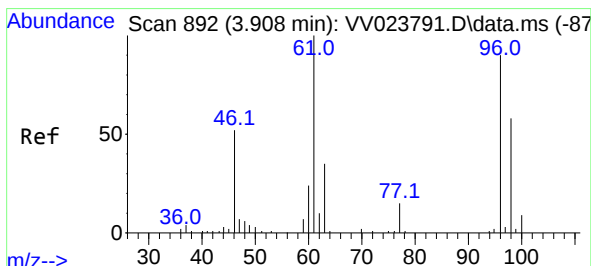
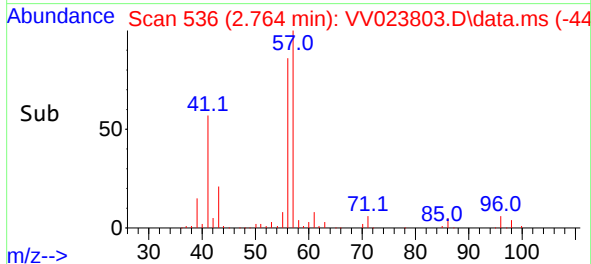
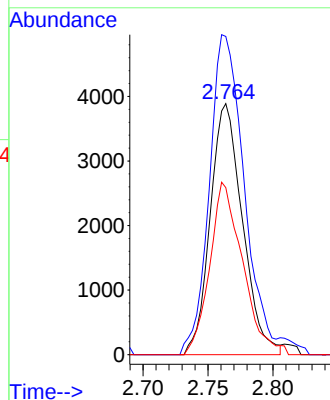
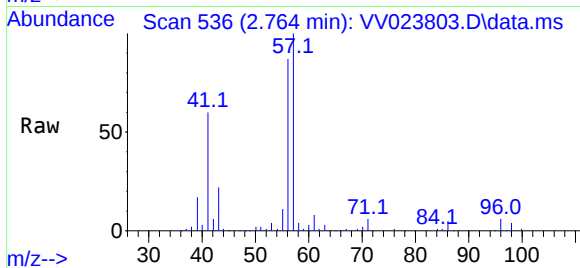




#18
trans-1,2-Dichloroethene
Concen: 0.493 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

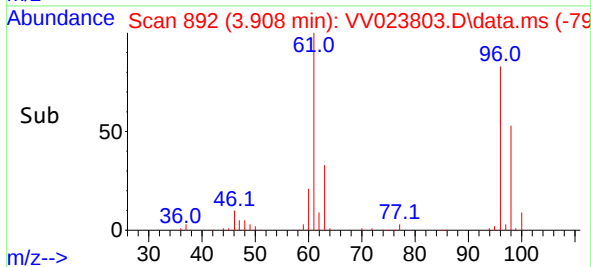
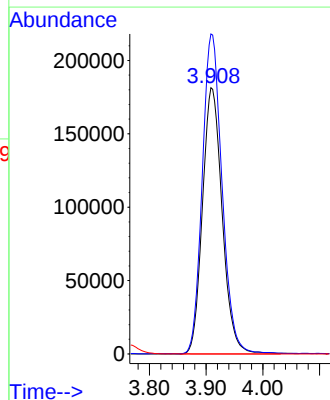
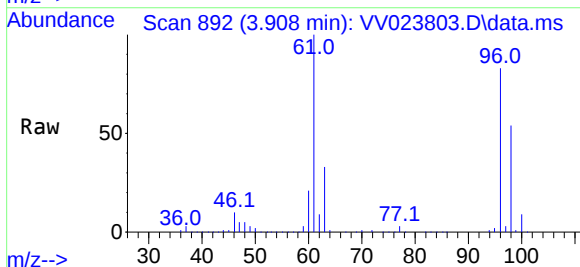
Instrument :
MSVOA_V
ClientSampleId :
C0G68

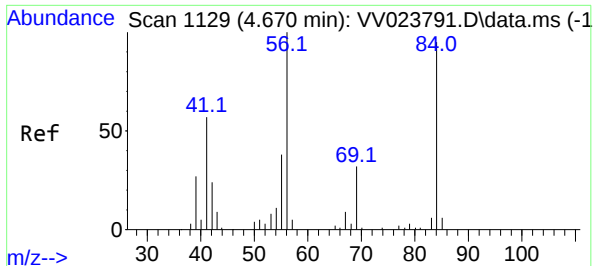
Tgt Ion: 96 Resp: 6716
Ion Ratio Lower Upper
96 100
61 126.8 88.2 163.8
98 66.6 44.9 83.5



#22
cis-1,2-Dichloroethene
Concen: 33.617 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.000 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

Tgt Ion: 96 Resp: 438871
Ion Ratio Lower Upper
96 100
61 120.2 83.4 154.8
68 0.0 0.0 0.0

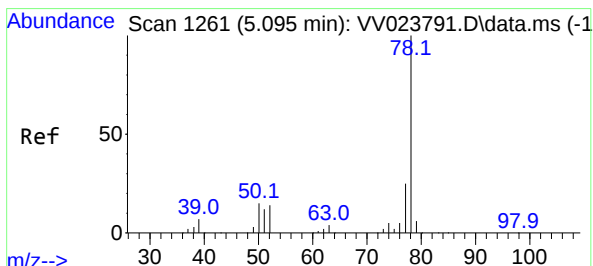
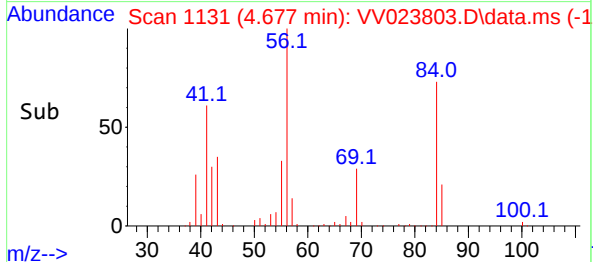
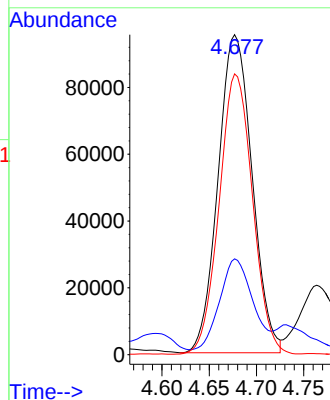
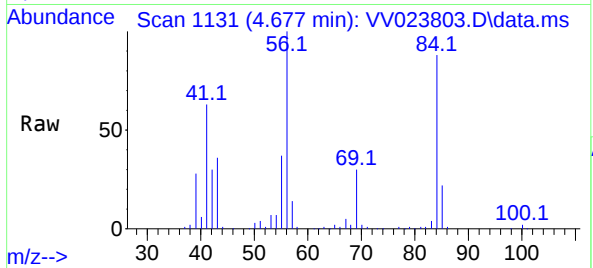




#30
Cyclohexane
Concen: 12.997 ug/L
RT: 4.677 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

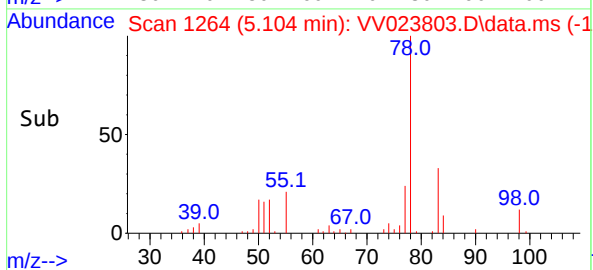
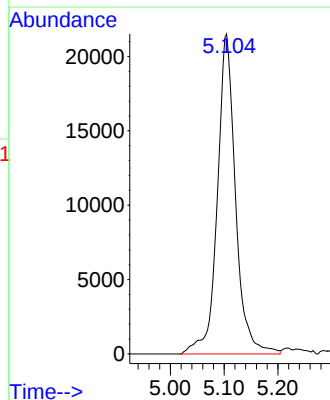
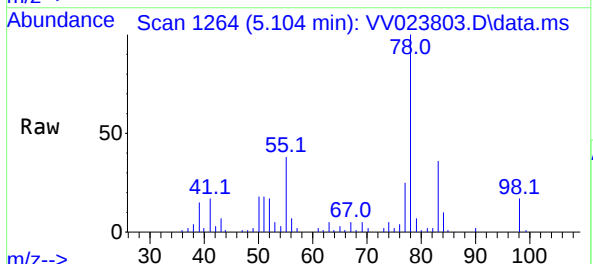
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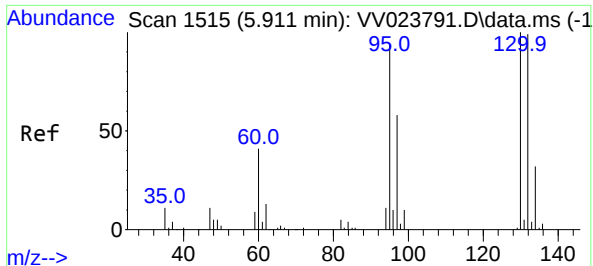
Tgt Ion: 56 Resp: 238231
Ion Ratio Lower Upper
56 100
69 28.3 24.8 37.2
84 86.6 75.9 113.9



#33
Benzene
Concen: 1.060 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

Tgt Ion: 78 Resp: 50785





#34

Trichloroethene

Concen: 16.858 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VV023803.D

Acq: 06 Dec 2021 17:20

Instrument :

MSVOA_V

ClientSampleId :

C0G68

Tgt Ion: 95 Resp: 216388

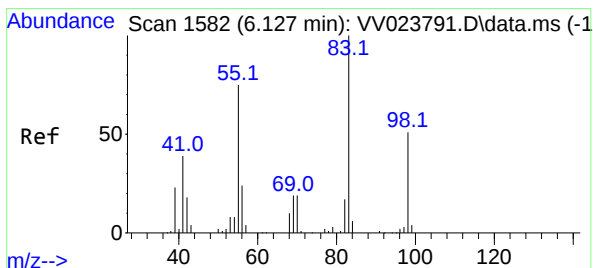
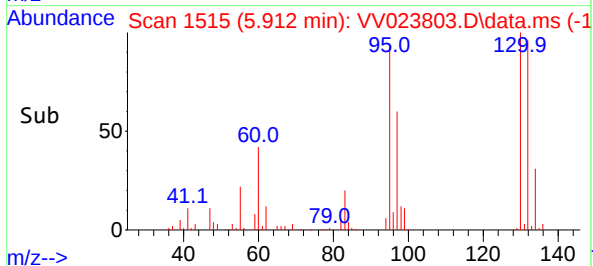
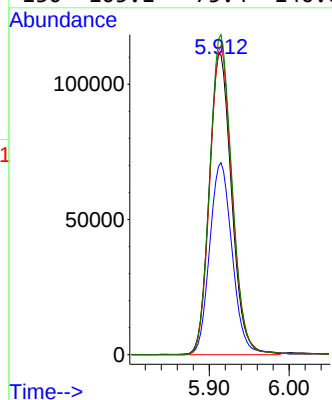
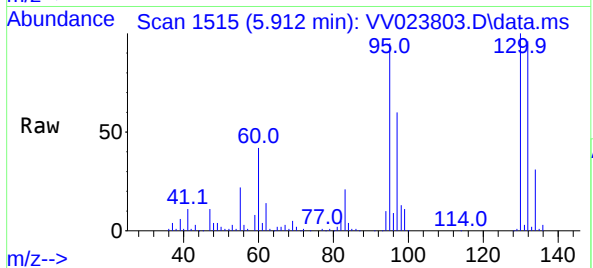
Ion Ratio Lower Upper

95 100

97 62.7 45.2 84.0

132 101.0 76.1 141.3

130 105.1 75.4 140.0



#35

Methylcyclohexane

Concen: 8.917 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV023803.D

Acq: 06 Dec 2021 17:20

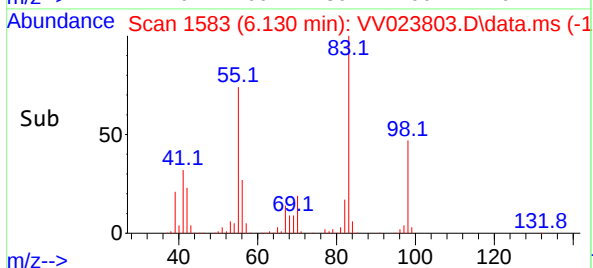
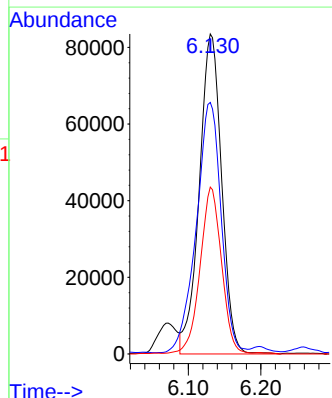
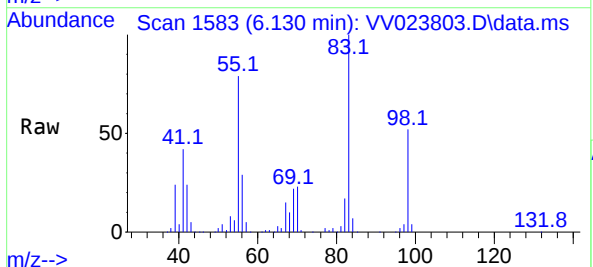
Tgt Ion: 83 Resp: 178442

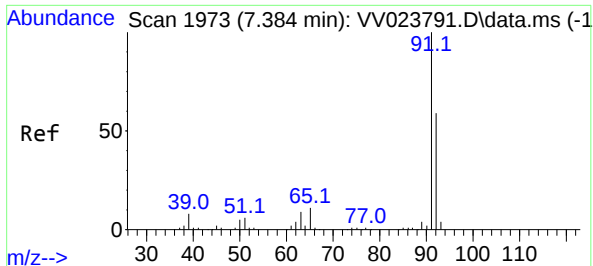
Ion Ratio Lower Upper

83 100

55 87.1 60.2 90.2

98 49.5 41.0 61.4

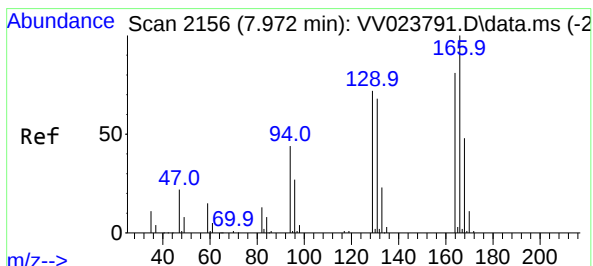
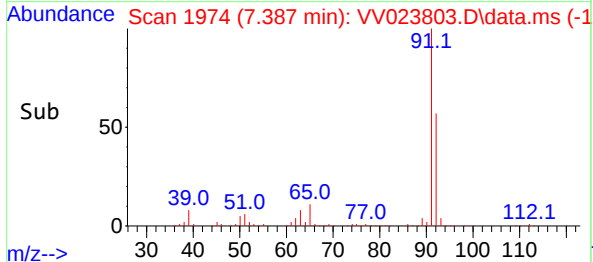
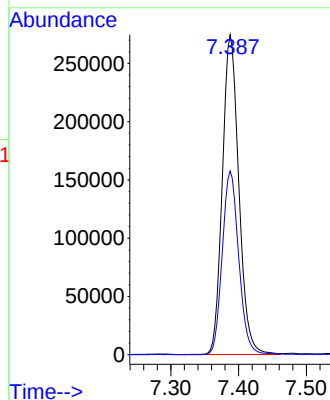
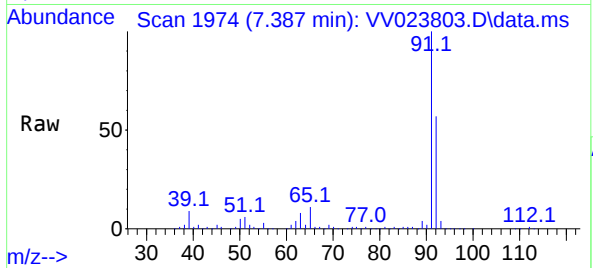




#42
Toluene
Concen: 8.923 ug/L
RT: 7.387 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

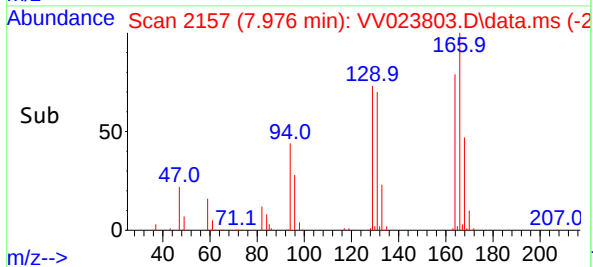
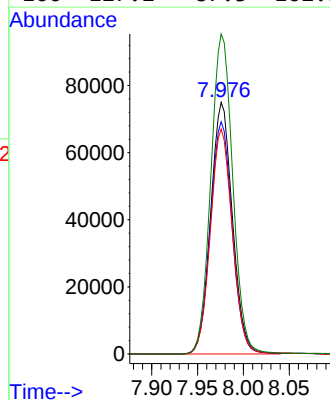
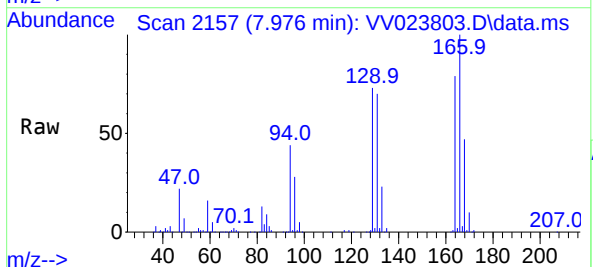
Instrument :
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C0G68

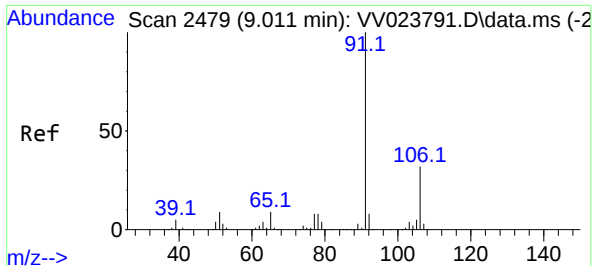
Tgt Ion: 91 Resp: 463665
Ion Ratio Lower Upper
91 100
92 57.4 41.5 77.1



#47
Tetrachloroethene
Concen: 10.610 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

Tgt Ion: 164 Resp: 123961
Ion Ratio Lower Upper
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129 92.3 62.6 116.2
131 89.4 61.0 113.4
166 127.2 87.3 162.1

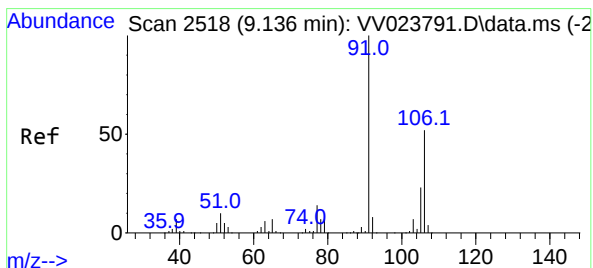
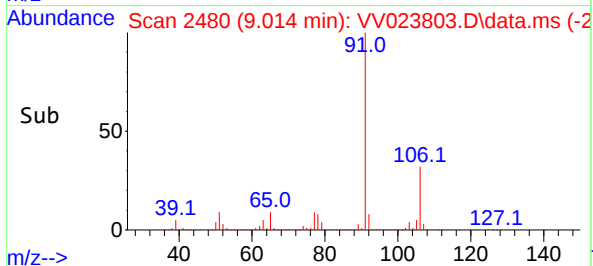
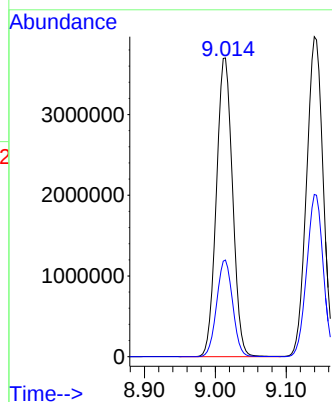
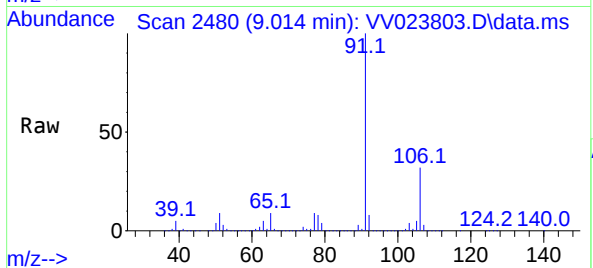




#52
Ethylbenzene
Concen: 108.027 ug/L
RT: 9.014 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

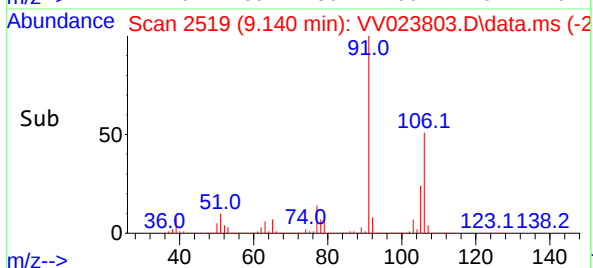
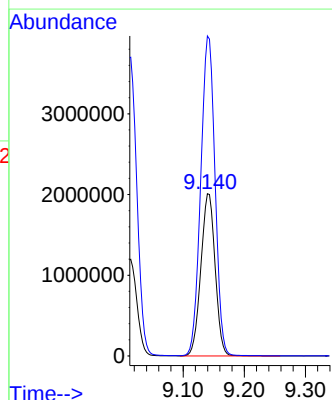
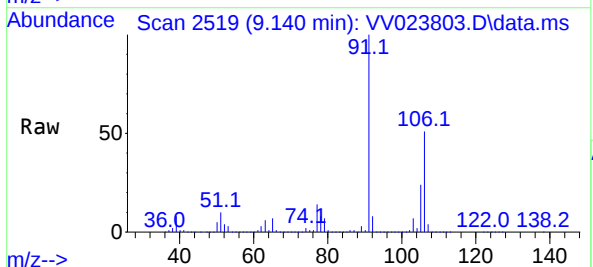
Instrument :
MSVOA_V
ClientSampleId :
C0G68

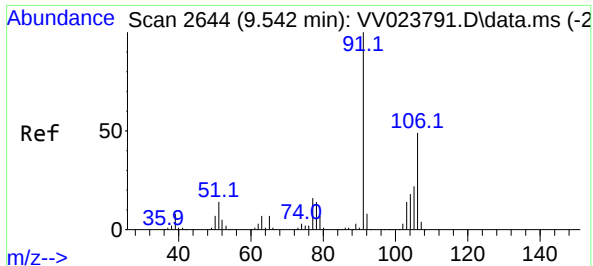
Tgt Ion: 91 Resp: 5867897
Ion Ratio Lower Upper
91 100
106 32.3 22.0 41.0



#53
m,p-xylene
Concen: 150.160 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

Tgt Ion: 106 Resp: 3246280
Ion Ratio Lower Upper
106 100
91 197.3 139.5 259.1

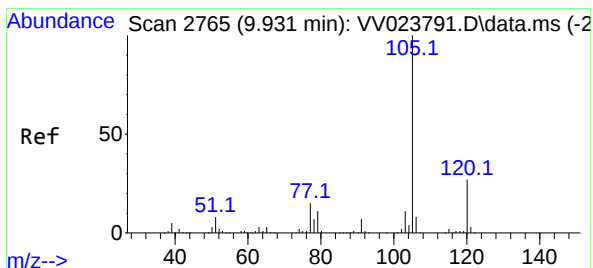
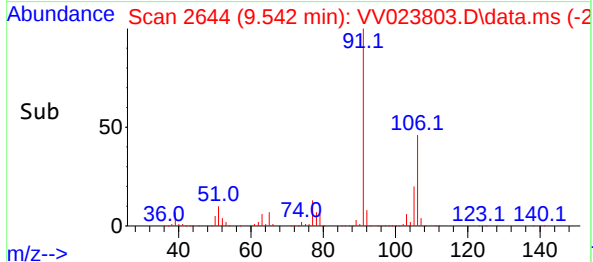
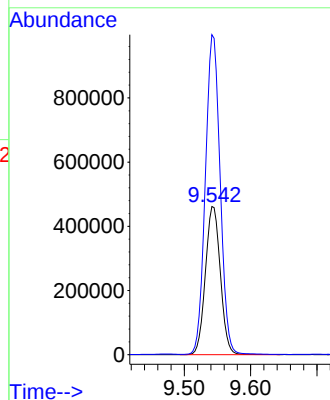
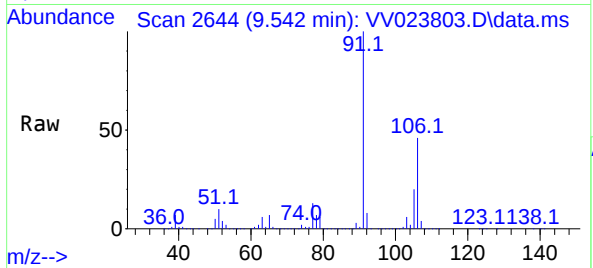




#54
o-xylene
Concen: 35.014 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

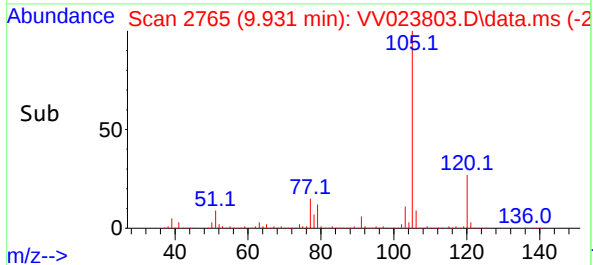
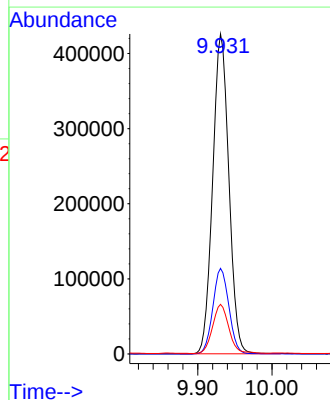
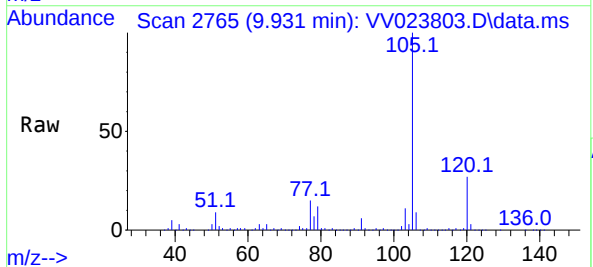
Instrument :
MSVOA_V
ClientSampleId :
C0G68

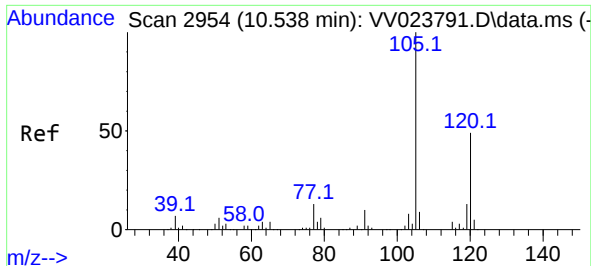
Tgt Ion:106 Resp: 719867
Ion Ratio Lower Upper
106 100
91 216.1 147.9 274.7



#60
Isopropylbenzene
Concen: 12.430 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023803.D
Acq: 06 Dec 2021 17:20

Tgt Ion:105 Resp: 643890
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 15.5 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 87.668 ug/L

RT: 10.542 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023803.D

Acq: 06 Dec 2021 17:20

Instrument :

MSVOA_V

ClientSampleId :

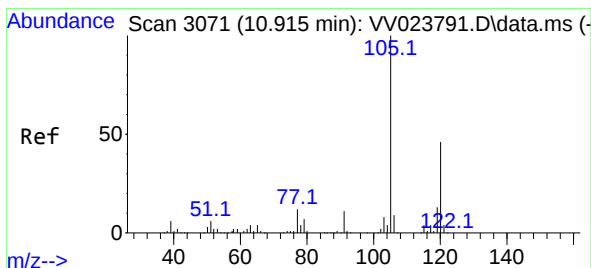
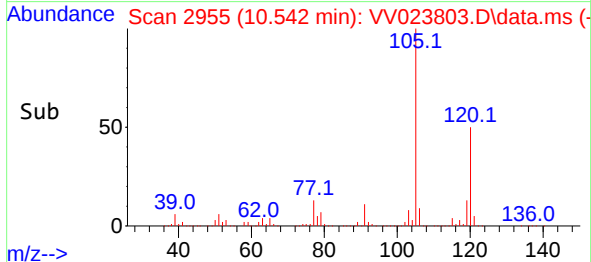
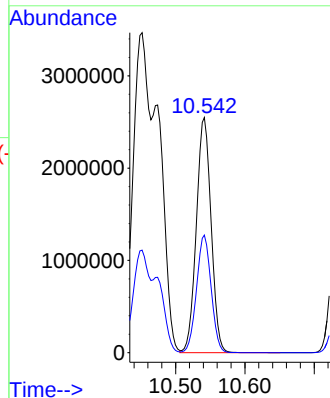
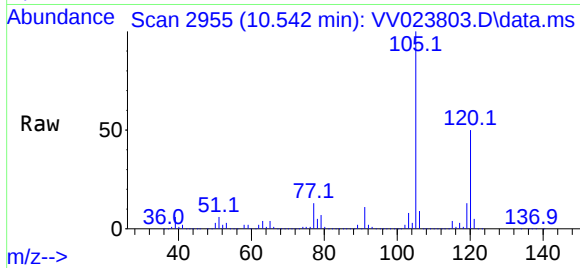
C0G68

Tgt Ion:105 Resp: 3778914

Ion Ratio Lower Upper

105 100

120 49.4 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 318.690 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.010 min

Lab File: VV023803.D

Acq: 06 Dec 2021 17:20

Tgt Ion:105 Resp:13584639

Ion Ratio Lower Upper

105 100

120 50.0 36.7 55.1

