

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023796.D
 Acq On : 06 Dec 2021 14:33
 Operator : SY/MD
 Sample : M4879-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0G31

Quant Time: Dec 07 05:30:36 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	137596	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	134970	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	77264	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	5446	0.482	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	9.600%#
7) Chloroethane-d5	1.568	69	8078	0.910	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	18.200%#
11) 1,1-Dichloroethene-d2	2.108	63	5213	0.262	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	5.200%#
20) 2-Butanone-d5	3.886	46	96127	70.791	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.580%#
24) Chloroform-d	4.352	84	36935	1.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	37.600%#
26) 1,2-Dichloroethane-d4	5.037	65	19627	2.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	42.800%#
32) Benzene-d6	5.053	84	28544	0.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	15.600%#
36) 1,2-Dichloropropane-d6	6.072	67	17227	1.671	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	33.400%#
41) Toluene-d8	7.320	98	25419	0.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	14.800%#
43) trans-1,3-Dichloroprop...	0.000	79	0d	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.000%#
46) 2-Hexanone-d5	8.088	63	81786	59.247	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28857	3.891	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	22848	1.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	33.400%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	16302	1.368	ug/L	97
8) Chloroethane	1.416	64	86702	11.479	ug/L	# 54
13) Acetone	2.182	43	10963	8.972	ug/L	92
14) Carbon disulfide	2.297	76	11154	0.360	ug/L	95
18) trans-1,2-Dichloroethene	2.764	96	5578	0.531	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	354190	35.173	ug/L	100
30) Cyclohexane	4.677	56	206749	14.046	ug/L	97
33) Benzene	5.104	78	40407	1.050	ug/L	100
34) Trichloroethene	5.915	95	169478	16.442	ug/L	98
35) Methylcyclohexane	6.133	83	154424	9.610	ug/L	95
42) Toluene	7.387	91	387083	9.276	ug/L	97
47) Tetrachloroethene	7.976	164	106118	11.311	ug/L	99
52) Ethylbenzene	9.014	91	5079319	116.444	ug/L	99
53) m,p-xylene	9.140	106	2680371	154.393	ug/L	100
54) o-xylene	9.541	106	585717	35.477	ug/L	99
60) Isopropylbenzene	9.931	105	535995	11.618	ug/L	# 67
62) 1,3,5-Trimethylbenzene	10.541	105	3113953	81.116	ug/L	100
63) 1,2,4-Trimethylbenzene	10.921	105	11882535	313.002	ug/L	95

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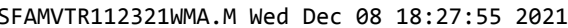
Instrument :
MSVOA_V
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Quant Time: Dec 07 05:30:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

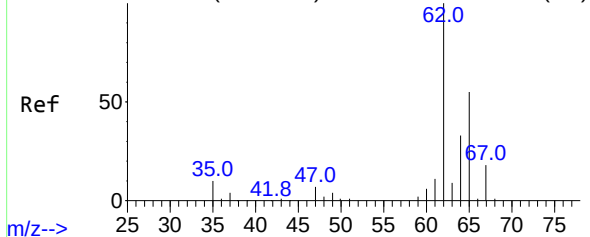
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 07 05:30:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
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Abundance Scan 84 (1.310 min): VV023791.D\data.ms (-75)



#5

Vinyl chloride

Concen: 1.368 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0G31

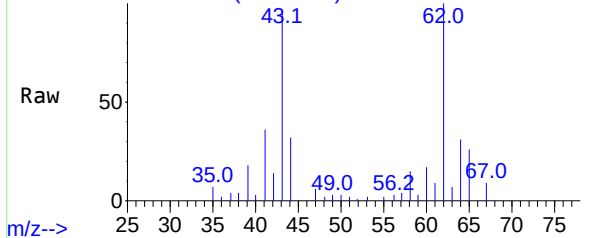
Tgt Ion: 62 Resp: 16302

Ion Ratio Lower Upper

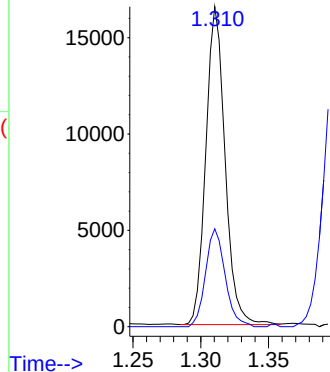
62 100

64 30.6 22.4 41.6

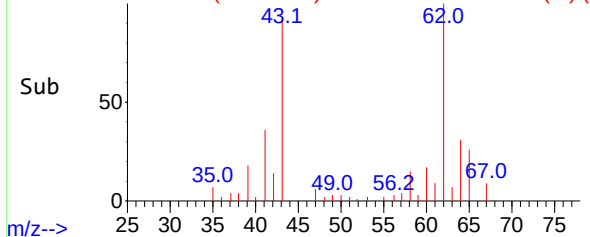
Abundance Scan 84 (1.310 min): VV023796.D\data.ms



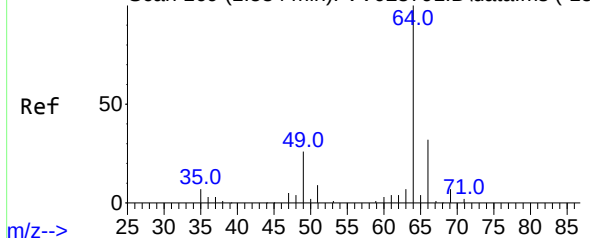
Abundance



Abundance Scan 84 (1.310 min): VV023796.D\data.ms (-1)



Abundance Scan 169 (1.584 min): VV023791.D\data.ms (-15)



#8

Chloroethane

Concen: 11.479 ug/L

RT: 1.416 min Scan# 117

Delta R.T. -0.167 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

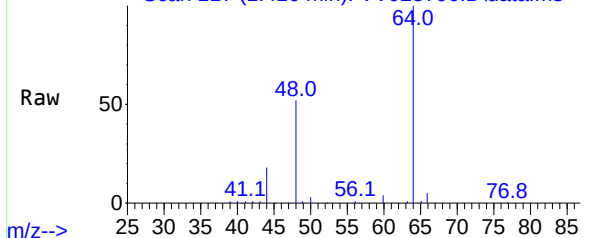
Tgt Ion: 64 Resp: 86702

Ion Ratio Lower Upper

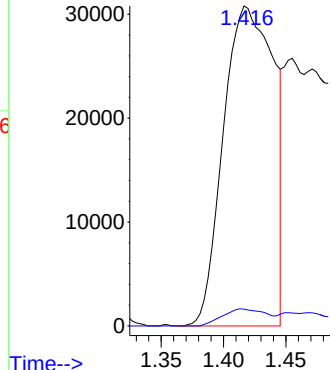
64 100

66 5.2 21.4 39.8#

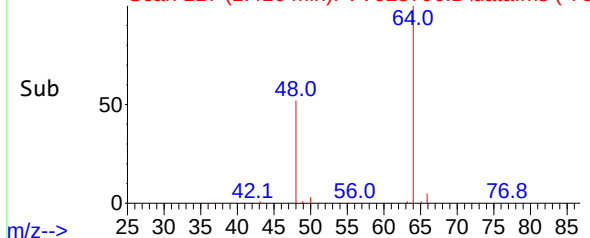
Abundance Scan 117 (1.416 min): VV023796.D\data.ms

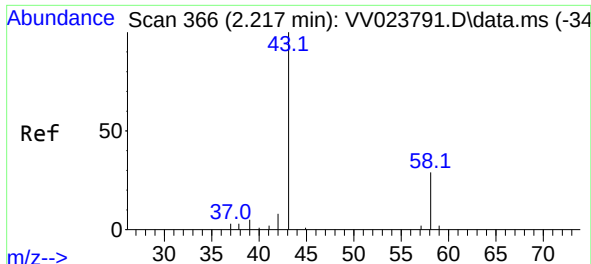


Abundance



Abundance Scan 117 (1.416 min): VV023796.D\data.ms (-76)





#13

Acetone

Concen: 8.972 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.042 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Instrument :

MSVOA_V

ClientSampleId :

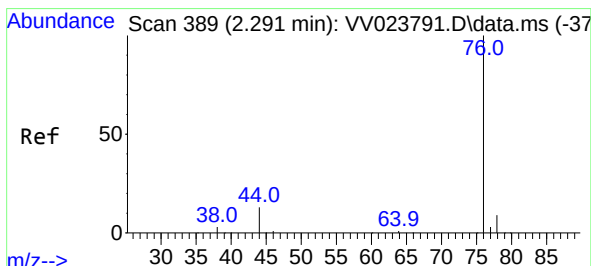
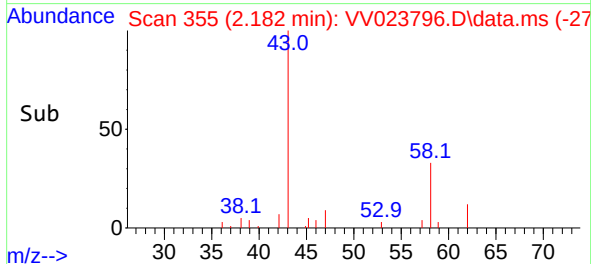
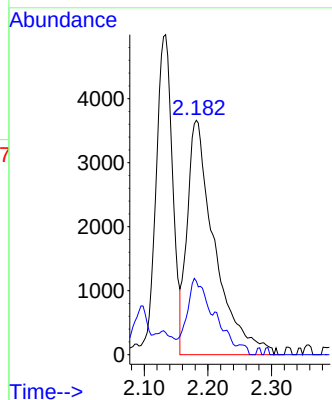
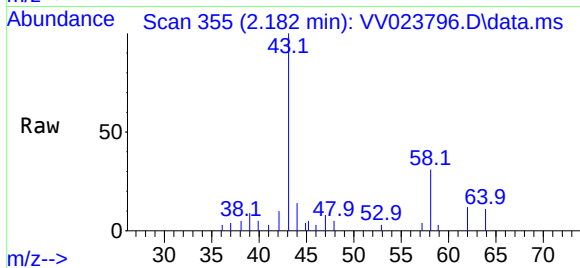
C0G31

Tgt Ion: 43 Resp: 10963

Ion Ratio Lower Upper

43 100

58 16.9 0.0 41.4



#14

Carbon disulfide

Concen: 0.360 ug/L

RT: 2.297 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023796.D

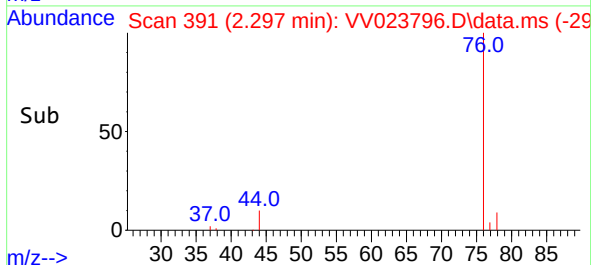
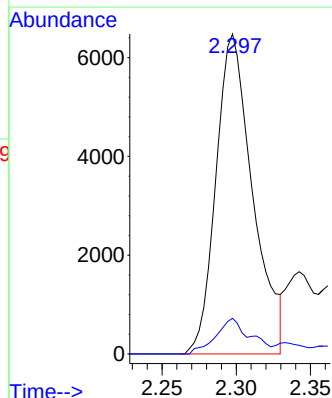
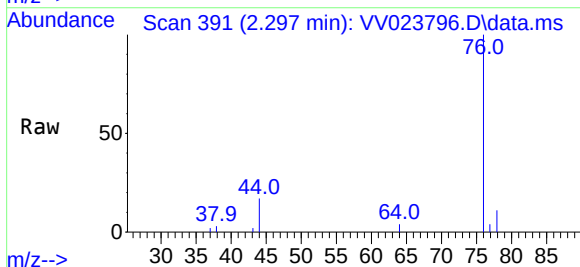
Acq: 06 Dec 2021 14:33

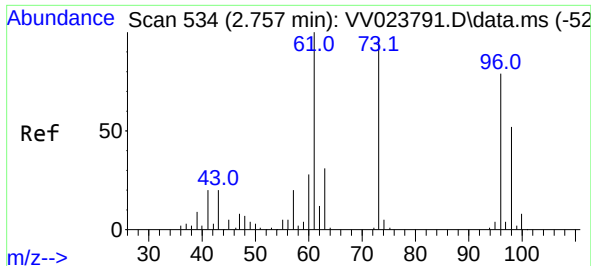
Tgt Ion: 76 Resp: 11154

Ion Ratio Lower Upper

76 100

78 11.2 7.5 11.3

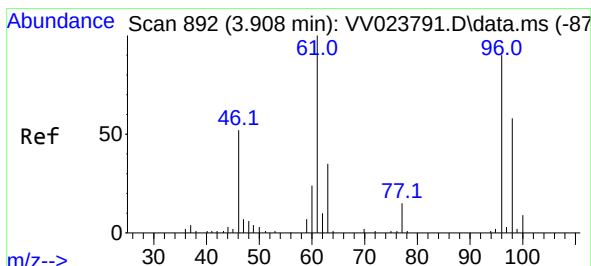
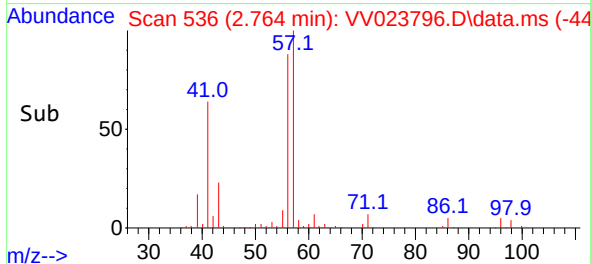
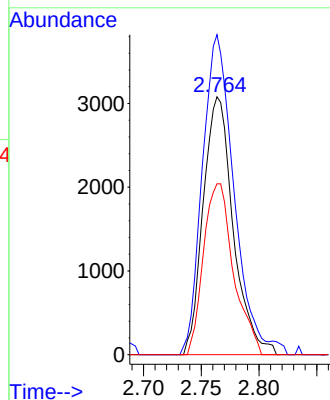
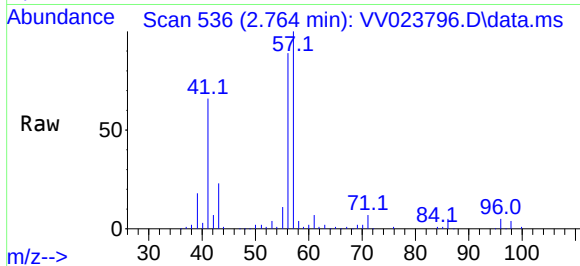




#18
trans-1,2-Dichloroethene
Concen: 0.531 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

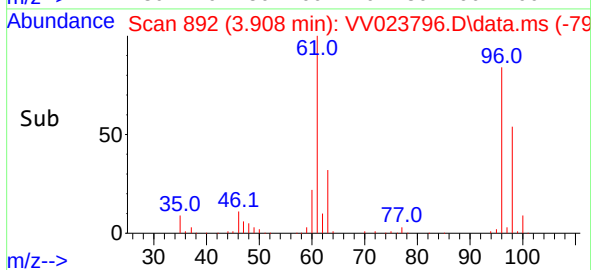
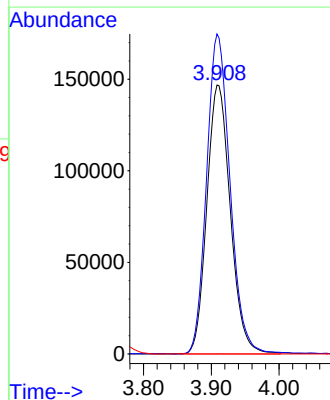
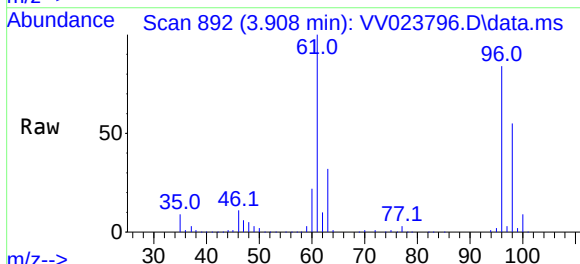
Instrument :
MSVOA_V
ClientSampleId :
C0G31

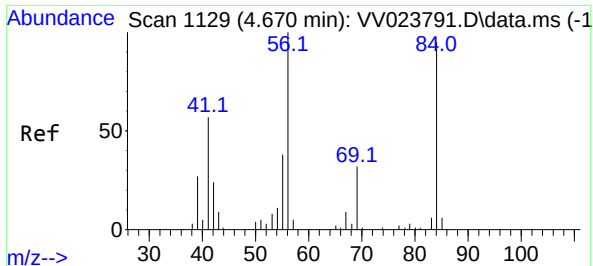
Tgt Ion: 96 Resp: 5578
Ion Ratio Lower Upper
96 100
61 124.1 88.2 163.8
98 66.3 44.9 83.5



#22
cis-1,2-Dichloroethene
Concen: 35.173 ug/L
RT: 3.908 min Scan# 892
Delta R.T. -0.000 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

Tgt Ion: 96 Resp: 354190
Ion Ratio Lower Upper
96 100
61 119.0 83.4 154.8
68 0.0 0.0 0.0

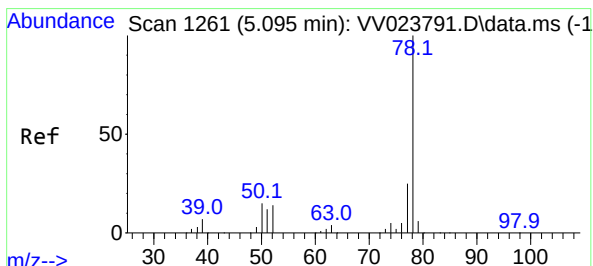
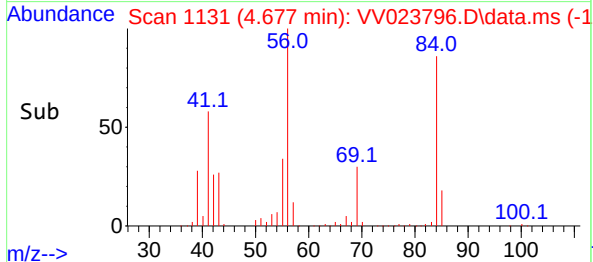
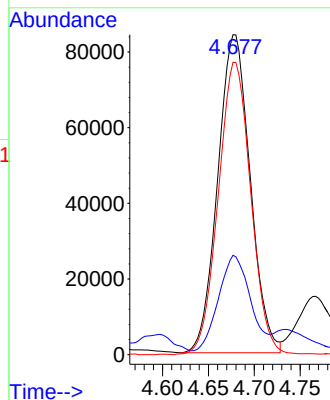
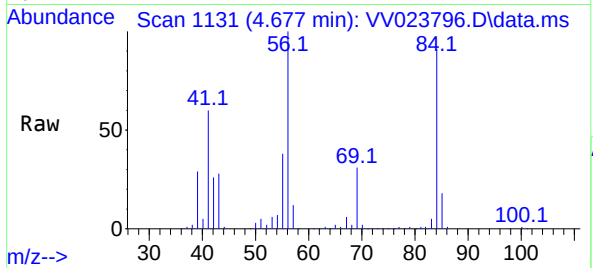




#30
Cyclohexane
Concen: 14.046 ug/L
RT: 4.677 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

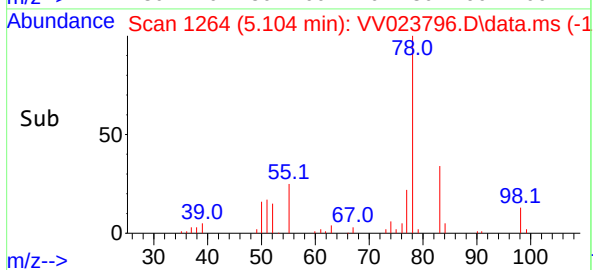
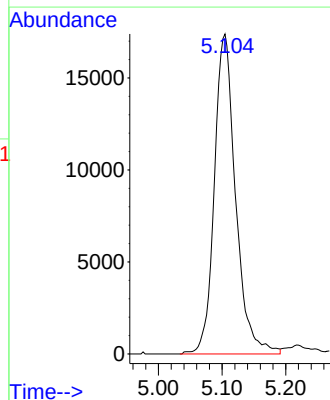
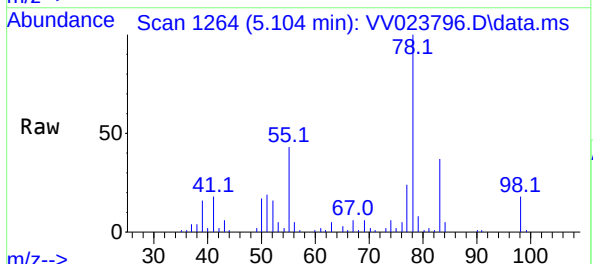
Instrument :
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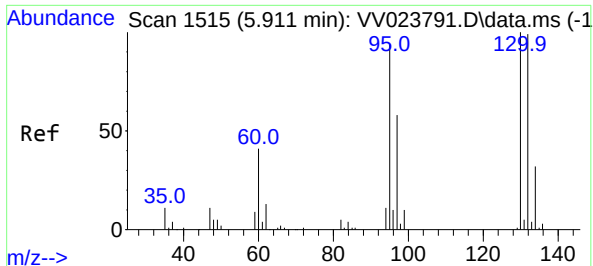
Tgt Ion: 56 Resp: 206749
Ion Ratio Lower Upper
56 100
69 29.2 24.8 37.2
84 92.2 75.9 113.9



#33
Benzene
Concen: 1.050 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

Tgt Ion: 78 Resp: 40407





#34

Trichloroethene

Concen: 16.442 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0G31

Tgt Ion: 95 Resp: 169478

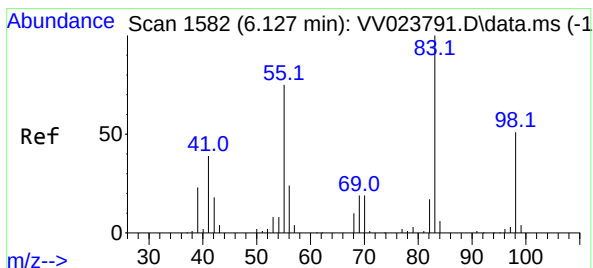
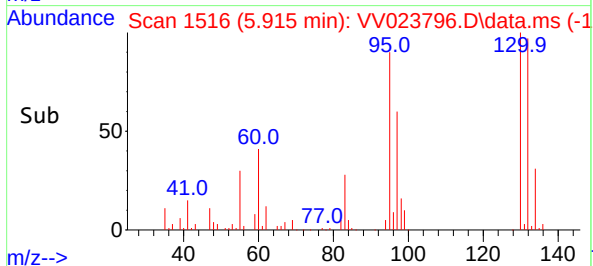
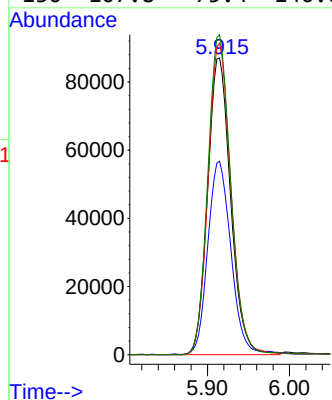
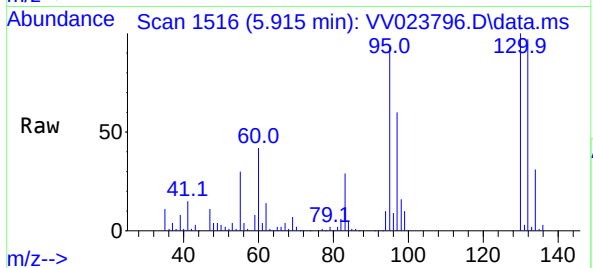
Ion Ratio Lower Upper

95 100

97 65.1 45.2 84.0

132 104.9 76.1 141.3

130 107.8 75.4 140.0



#35

Methylcyclohexane

Concen: 9.610 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

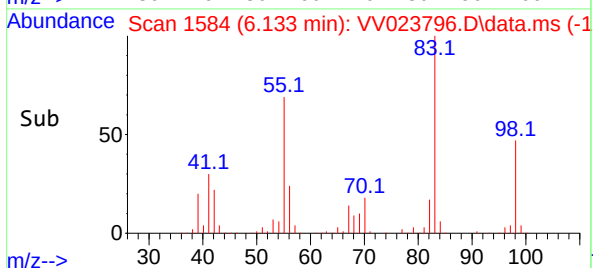
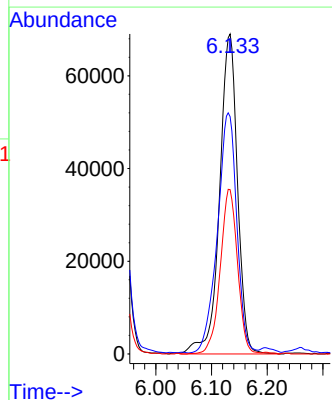
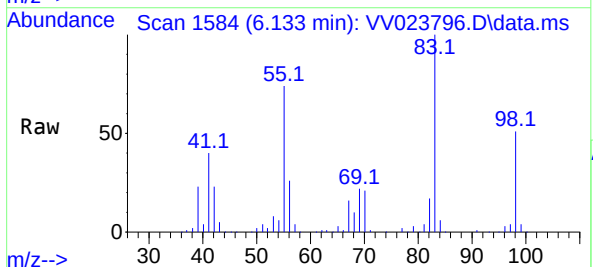
Tgt Ion: 83 Resp: 154424

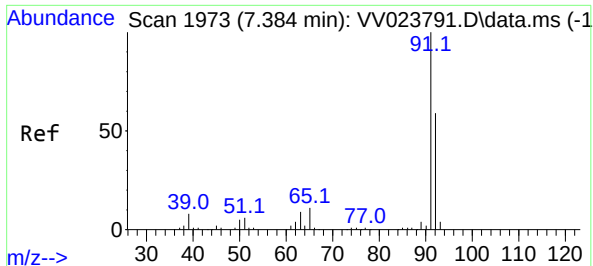
Ion Ratio Lower Upper

83 100

55 80.9 60.2 90.2

98 49.5 41.0 61.4

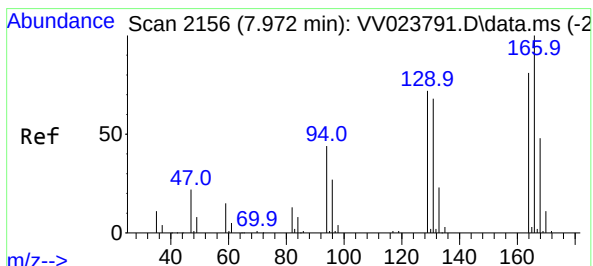
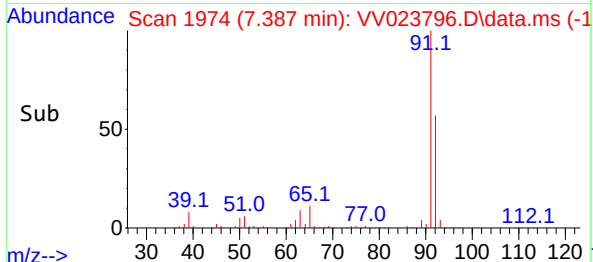
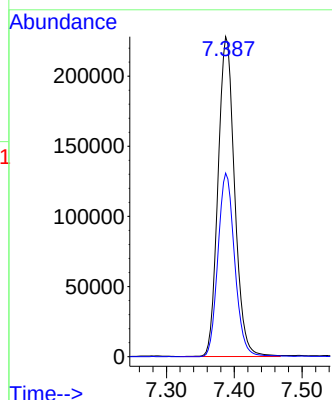
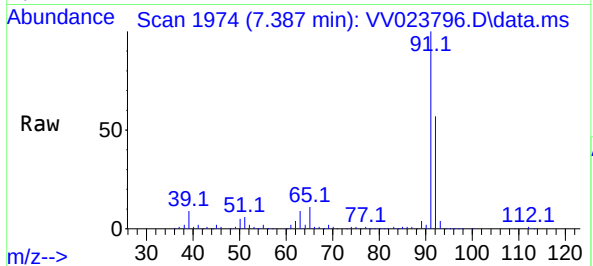




#42
Toluene
Concen: 9.276 ug/L
RT: 7.387 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

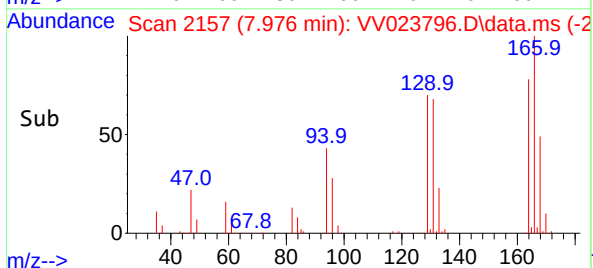
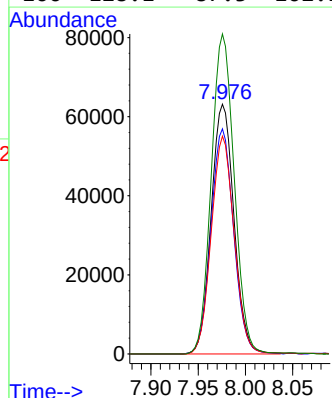
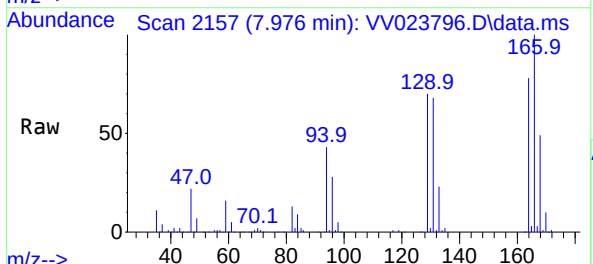
Instrument :
MSVOA_V
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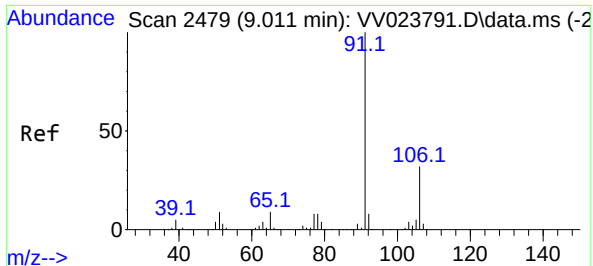
Tgt Ion: 91 Resp: 387083
Ion Ratio Lower Upper
91 100
92 57.4 41.5 77.1



#47
Tetrachloroethene
Concen: 11.311 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

Tgt Ion: 164 Resp: 106118
Ion Ratio Lower Upper
164 100
129 90.1 62.6 116.2
131 87.2 61.0 113.4
166 128.1 87.3 162.1





#52

Ethylbenzene

Concen: 116.444 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Instrument :

MSVOA_V

ClientSampleId :

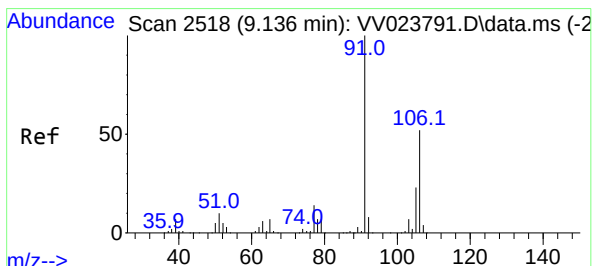
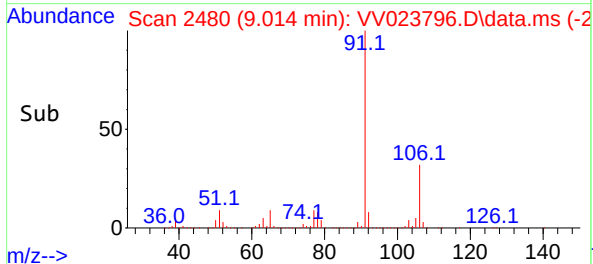
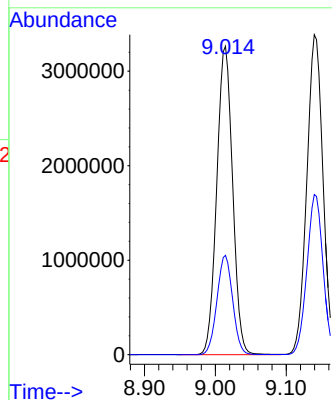
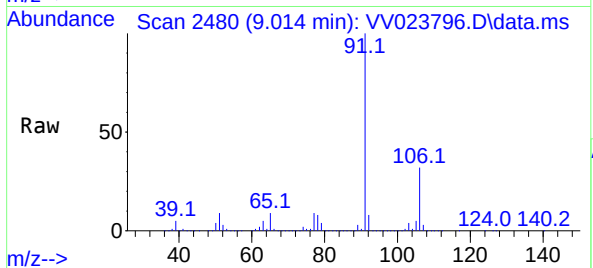
C0G31

Tgt Ion: 91 Resp: 5079319

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



#53

m,p-xylene

Concen: 154.393 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023796.D

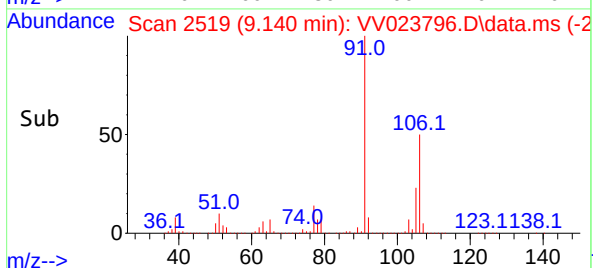
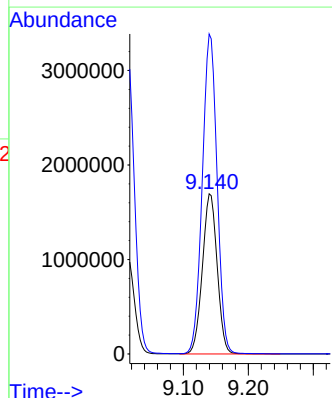
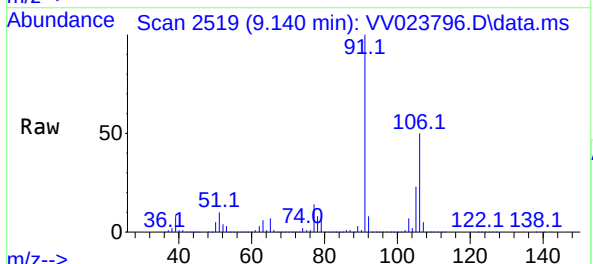
Acq: 06 Dec 2021 14:33

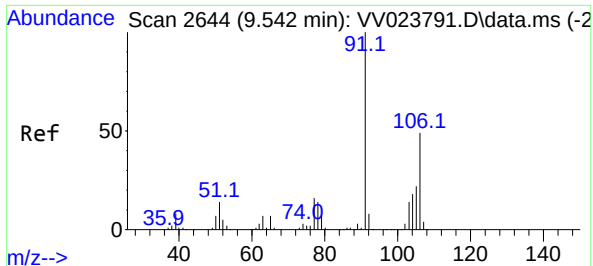
Tgt Ion:106 Resp: 2680371

Ion Ratio Lower Upper

106 100

91 199.7 139.5 259.1

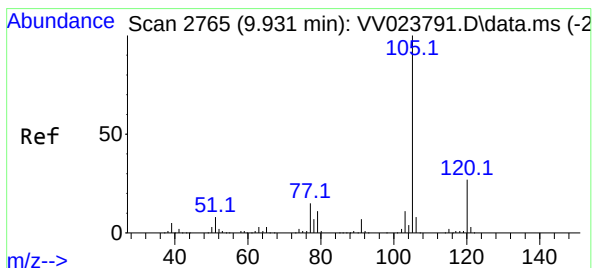
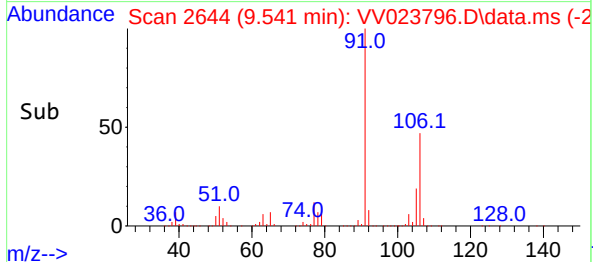
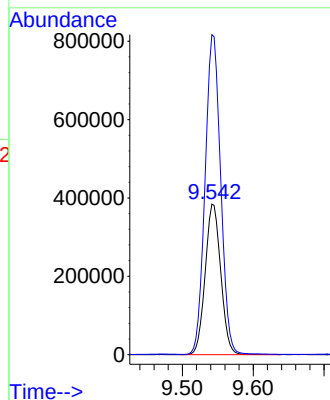
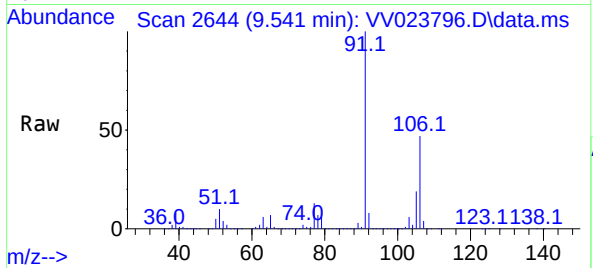




#54
o-xylene
Concen: 35.477 ug/L
RT: 9.541 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

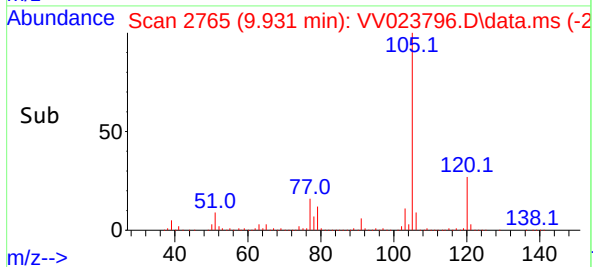
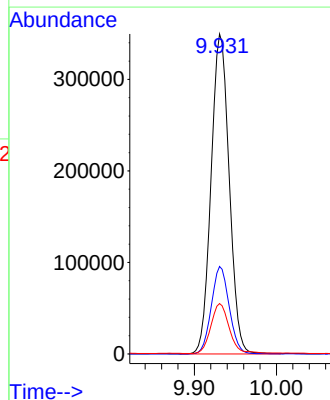
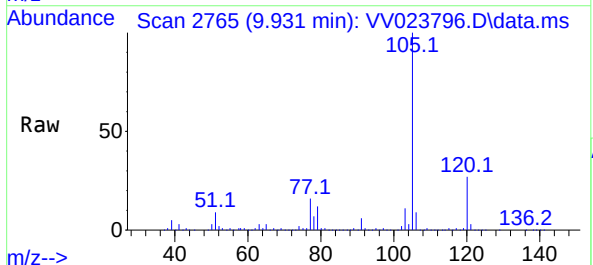
Instrument :
MSVOA_V
ClientSampleId :
C0G31

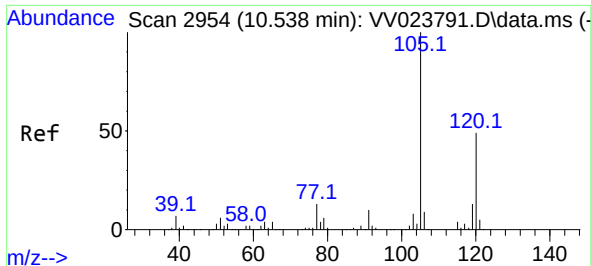
Tgt Ion:106 Resp: 585717
Ion Ratio Lower Upper
106 100
91 212.6 147.9 274.7



#60
Isopropylbenzene
Concen: 11.618 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV023796.D
Acq: 06 Dec 2021 14:33

Tgt Ion:105 Resp: 535995
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 15.8 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 81.116 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Instrument :

MSVOA_V

ClientSampleId :

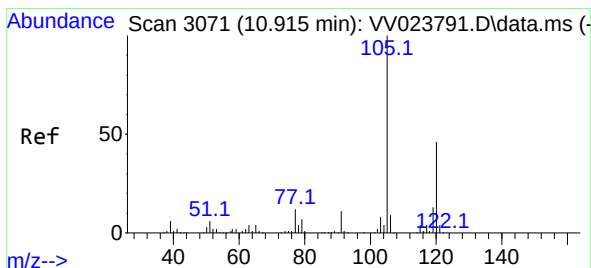
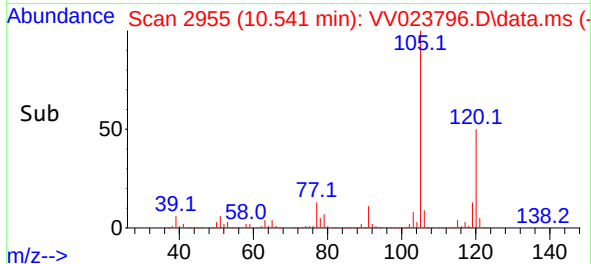
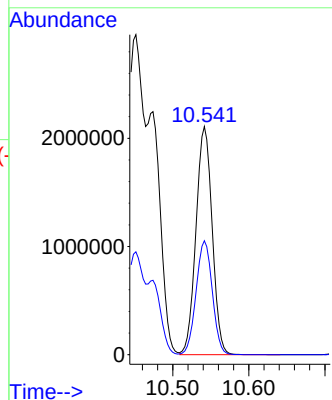
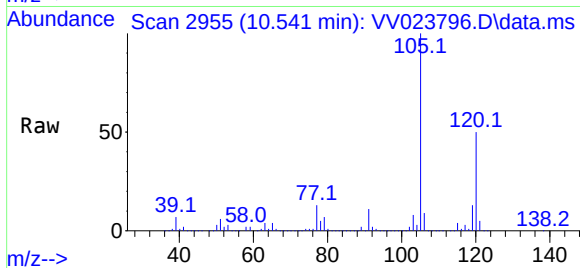
C0G31

Tgt Ion:105 Resp: 3113953

Ion Ratio Lower Upper

105 100

120 49.9 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 313.002 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.010 min

Lab File: VV023796.D

Acq: 06 Dec 2021 14:33

Tgt Ion:105 Resp:11882535

Ion Ratio Lower Upper

105 100

120 49.3 36.7 55.1

