

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061110.D
 Acq On : 11 Oct 2024 11:46
 Operator : MD/SY
 Sample : P4380-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 04:18:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	160923	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	150138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	77771	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	45339	3.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.907	69	38707	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.557	65	20450	4.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	4.640	46	106866	38.777	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.560%
24) Chloroform-d	5.052	84	94942	4.682	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.695	65	49710	4.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.718	84	184258	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.682	67	63414	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.891	98	170062	4.596	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.174	79	22905	4.121	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.627	63	99497	43.244	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.480%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	45892	4.813	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	61815	4.971	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
8) Chloroethane	1.731	64	49519	7.179	ug/L #	54
14) Carbon disulfide	2.782	76	14696	0.465	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	12962	1.143	ug/L	89
30) Cyclohexane	5.370	56	2338	0.121	ug/L	87
33) Benzene	5.766	78	109668	2.478	ug/L	100
35) Methylcyclohexane	6.753	83	3733	0.193	ug/L	90
37) 1,2-Dichloropropane	6.682	63	6967	0.597	ug/L #	93
42) Toluene	7.962	91	281563	5.971	ug/L	99
47) Tetrachloroethene	8.544	164	5257	0.673	ug/L	97
49) Dibromochloromethane	8.544	129	5452	0.606	ug/L #	9
52) Ethylbenzene	9.563	91	66241	1.240	ug/L	98
53) m,p-Xylene	9.685	106	93608	4.803	ug/L	89
54) o-Xylene	10.094	106	67129	3.501	ug/L	93
55) Styrene	10.110	104	14302	0.462	ug/L #	68
60) Isopropylbenzene	10.476	105	13892	0.267	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	88326	1.927	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	178743	3.863	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.965	75	174	0.104	ug/L #	1
72) 1,2,3-Trichlorobenzene	14.322	180	1675	0.167	ug/L #	46

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

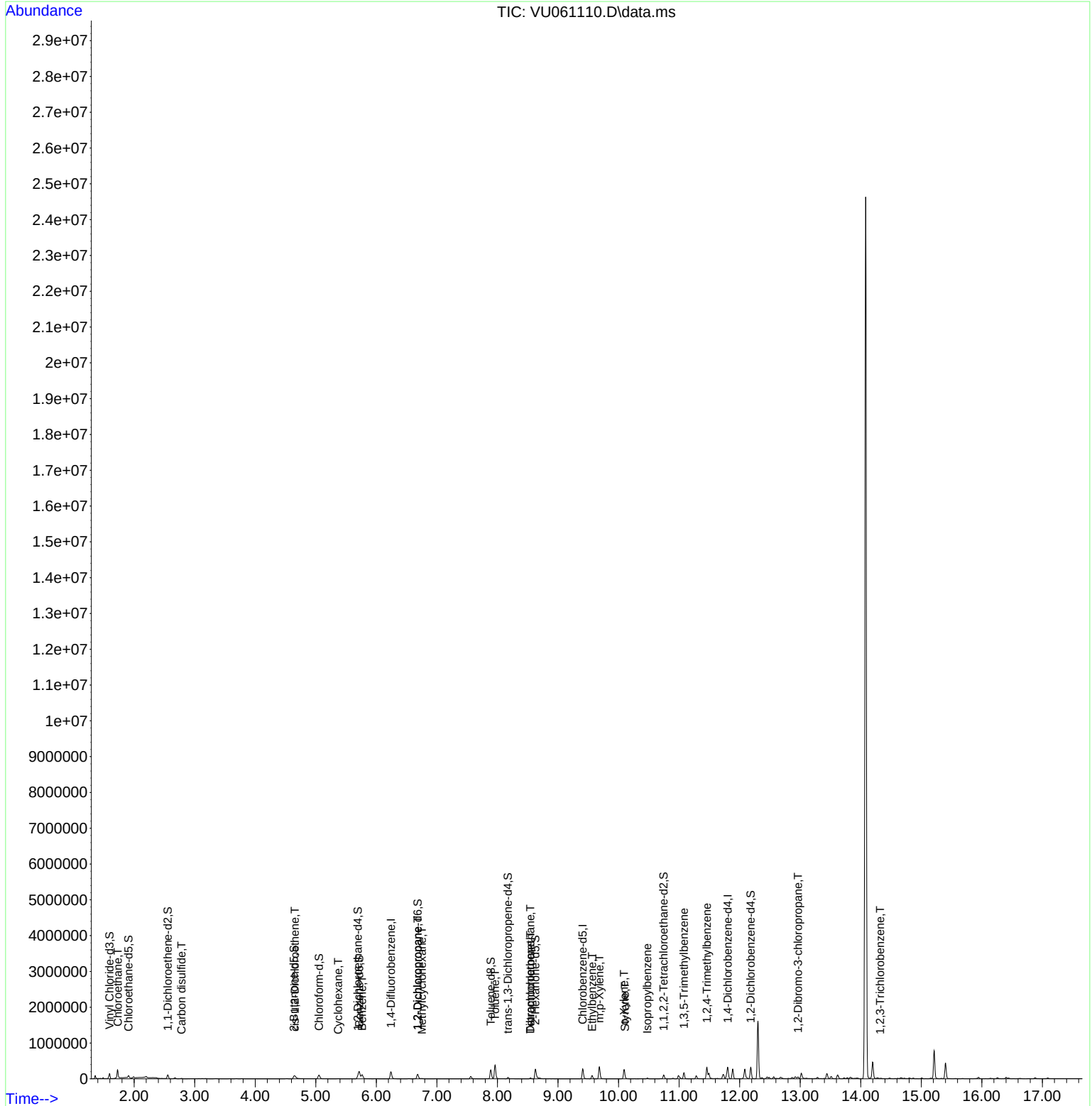
Instrument :
MSVOA_U
ClientSampleId :

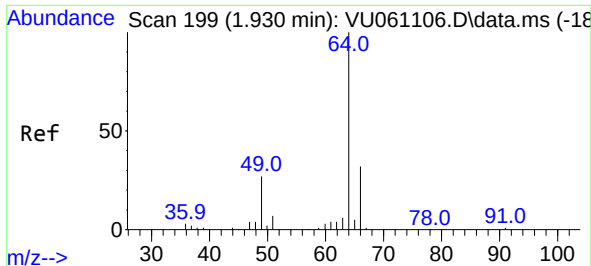
Quant Time: Oct 14 04:18:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

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

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

Quant Time: Oct 14 04:18:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

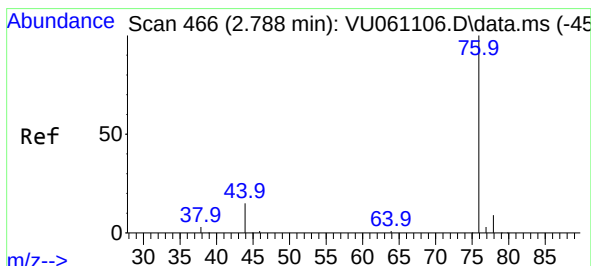
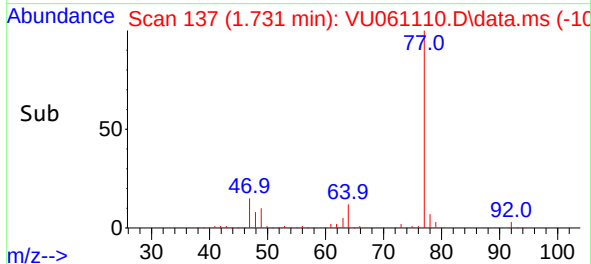
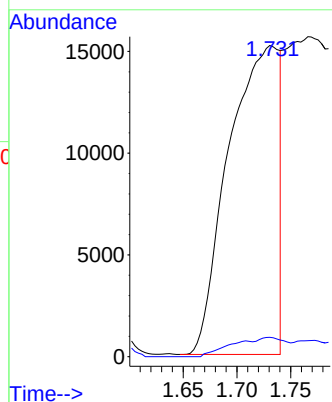
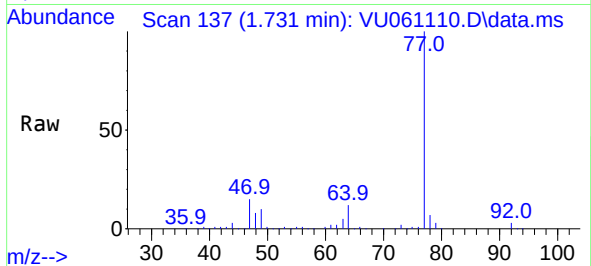




#8
Chloroethane
Concen: 7.179 ug/L
RT: 1.731 min Scan# 11
Delta R.T. -0.199 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

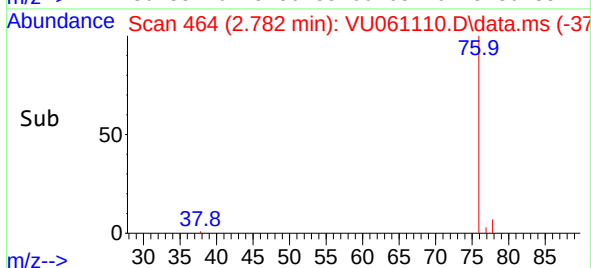
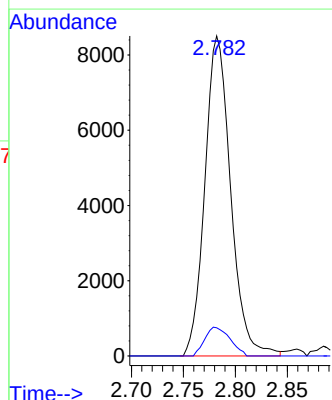
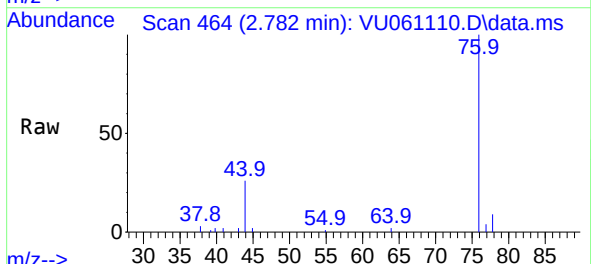
Instrument :
MSVOA_U
ClientSampleId :

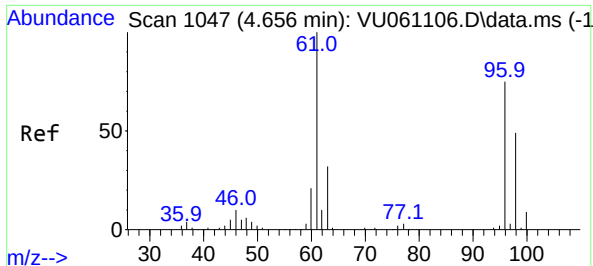
Tgt Ion: 64 Resp: 49519
Ion Ratio Lower Upper
64 100
66 6.2 22.3 41.3#



#14
Carbon disulfide
Concen: 0.465 ug/L
RT: 2.782 min Scan# 464
Delta R.T. -0.006 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

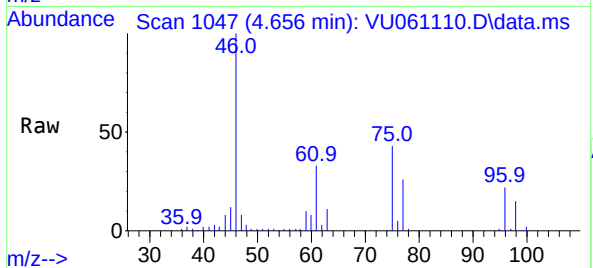
Tgt Ion: 76 Resp: 14696
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



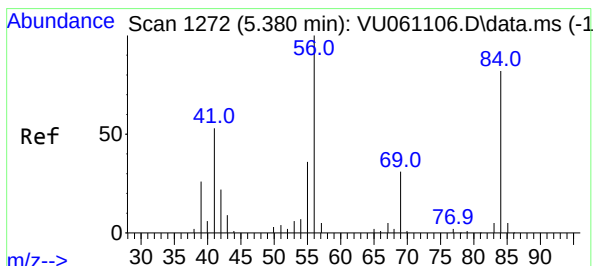
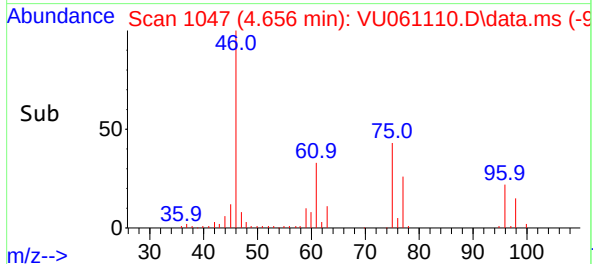
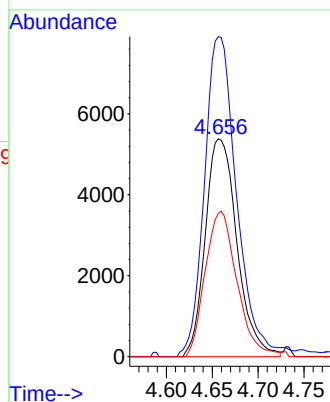


#22
cis-1,2-Dichloroethene
Concen: 1.143 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Instrument :
MSVOA_U
ClientSampleId :

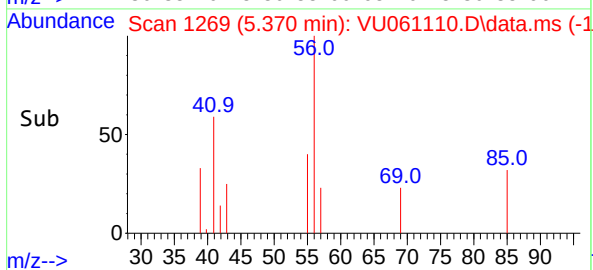
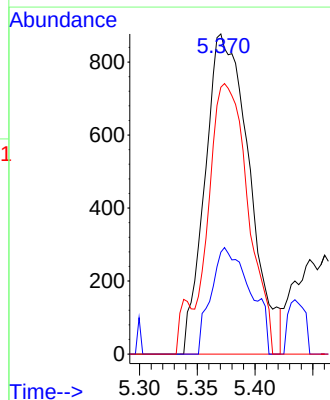
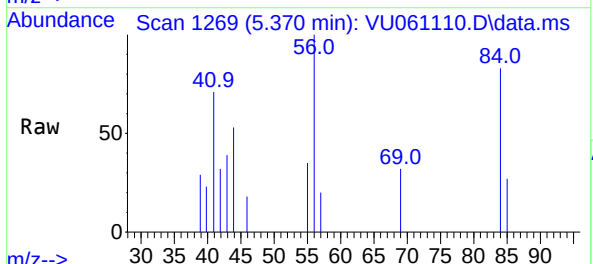


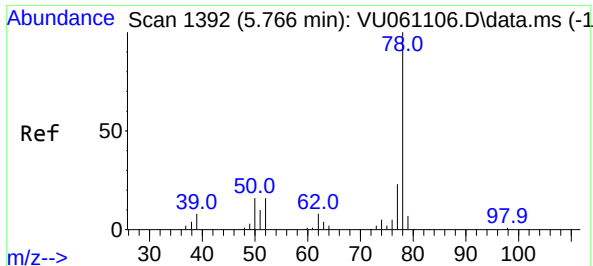
Tgt Ion: 96 Resp: 12962
Ion Ratio Lower Upper
96 100
61 146.9 89.7 166.5
98 65.7 45.1 83.9



#30
Cyclohexane
Concen: 0.121 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.010 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Tgt Ion: 56 Resp: 2338
Ion Ratio Lower Upper
56 100
69 29.5 25.4 38.0
84 73.9 71.0 106.6

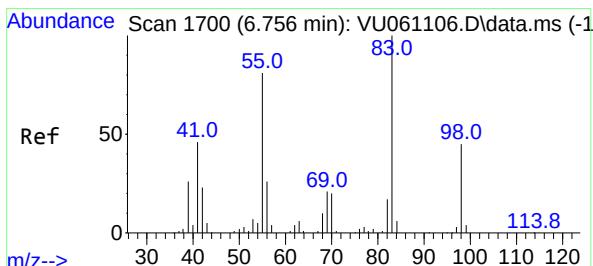
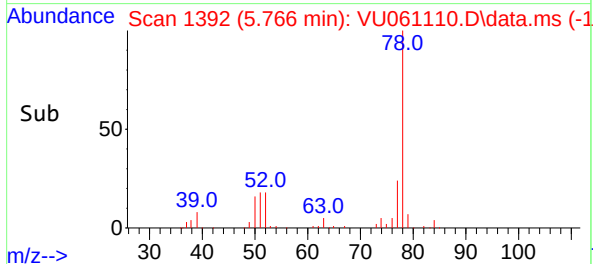
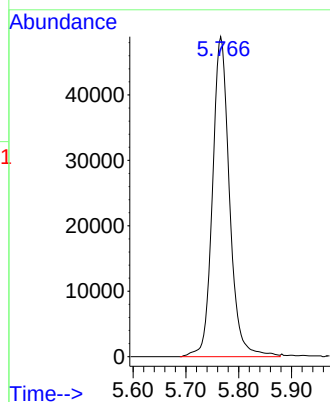
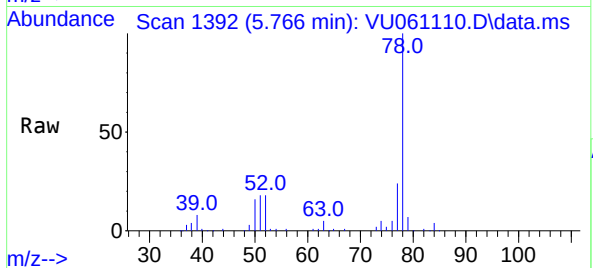




#33
Benzene
Concen: 2.478 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Instrument :
MSVOA_U
ClientSampleId :

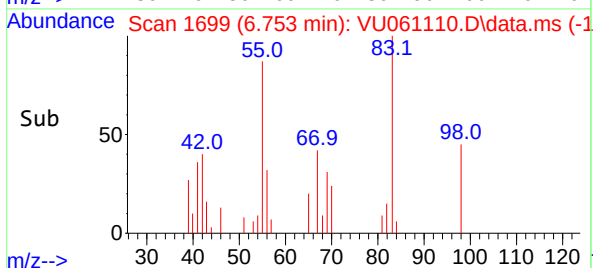
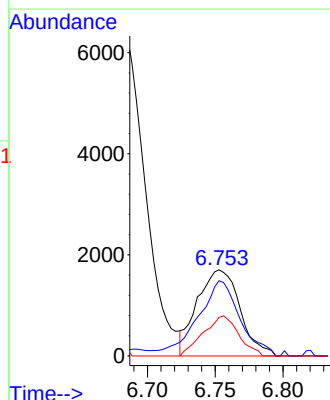
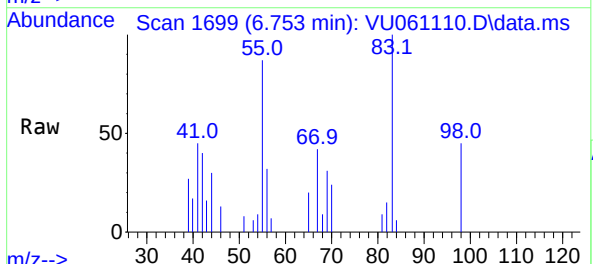
Tgt Ion: 78 Resp: 109668

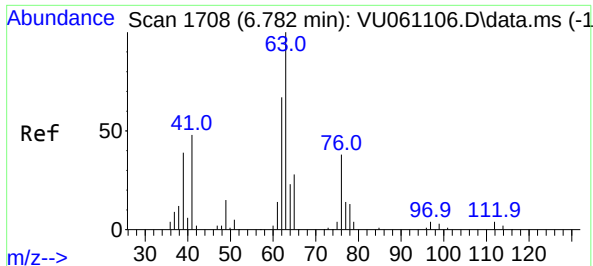


#35
Methylcyclohexane
Concen: 0.193 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Tgt Ion: 83 Resp: 3733

Ion	Ratio	Lower	Upper
83	100		
55	86.3	62.6	94.0
98	38.5	37.6	56.4

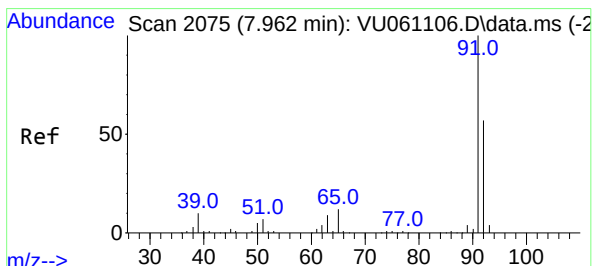
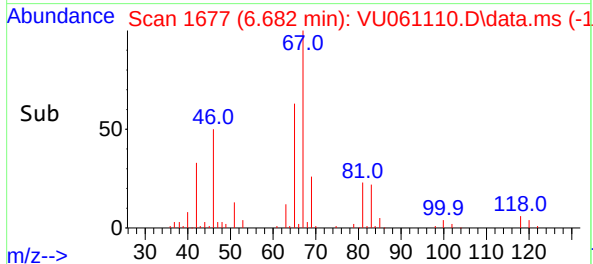
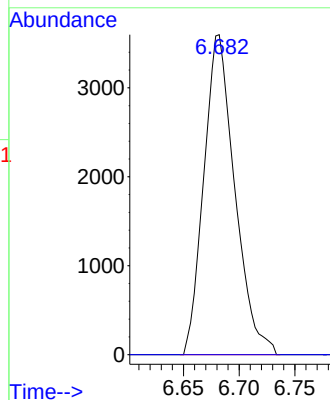
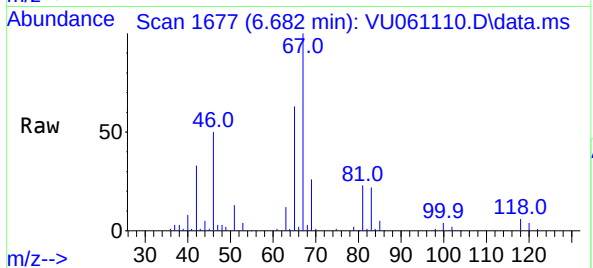




#37
1,2-Dichloropropane
Concen: 0.597 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

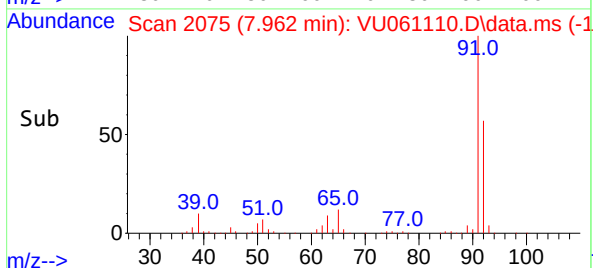
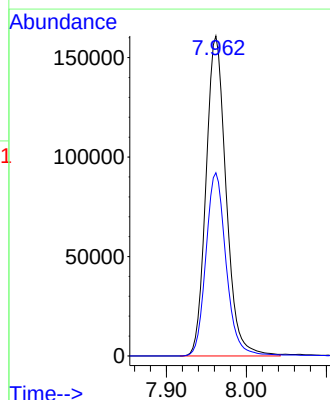
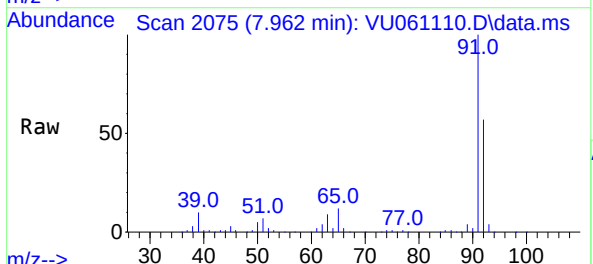
Instrument :
MSVOA_U
ClientSampleId :

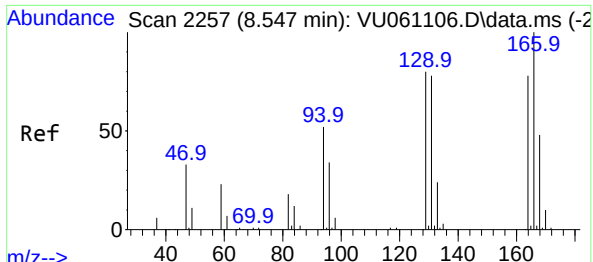
Tgt Ion: 63 Resp: 6967
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 5.971 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

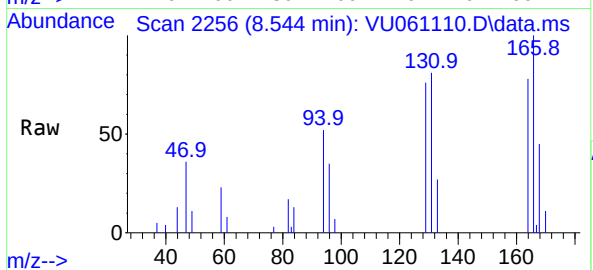
Tgt Ion: 91 Resp: 281563
Ion Ratio Lower Upper
91 100
92 57.3 40.5 75.3





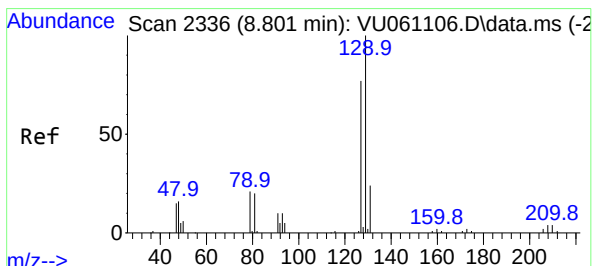
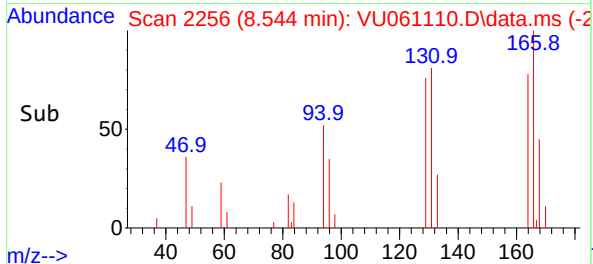
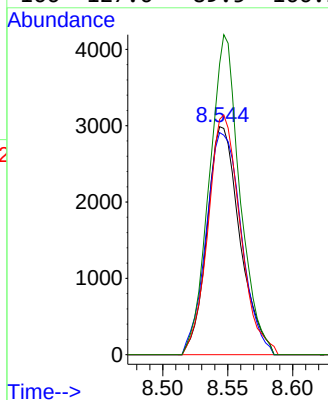
#47
Tetrachloroethene
Concen: 0.673 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 5257

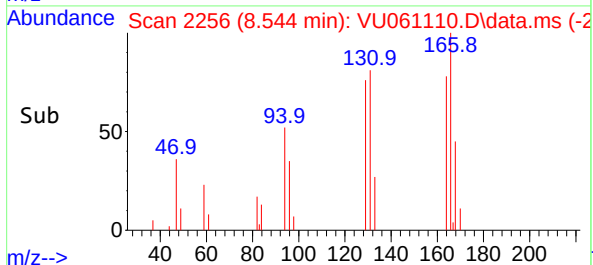
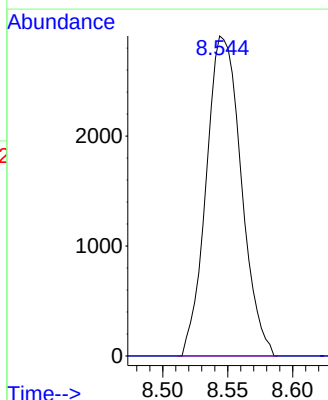
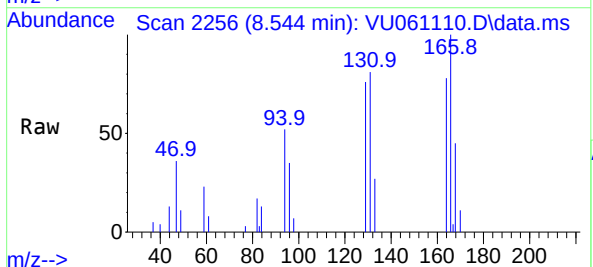
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.3	124.9
131	103.2	65.4	121.4
166	127.6	89.5	166.1

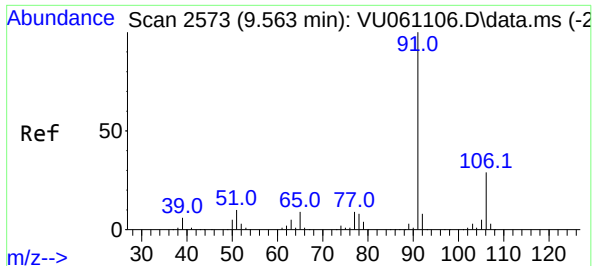


#49
Dibromochloromethane
Concen: 0.606 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.257 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Tgt Ion:129 Resp: 5452

Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.1	104.1#





#52

Ethylbenzene

Concen: 1.240 ug/L

RT: 9.563 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU061110.D

Acq: 11 Oct 2024 11:46

Instrument :

MSVOA_U

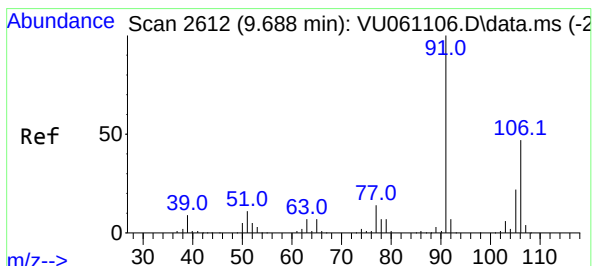
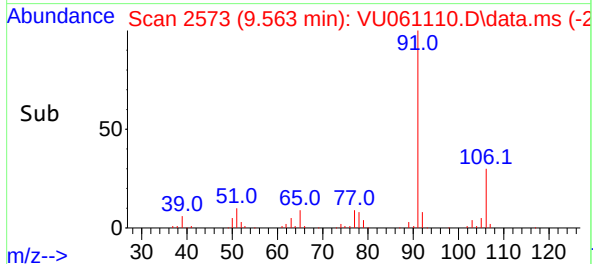
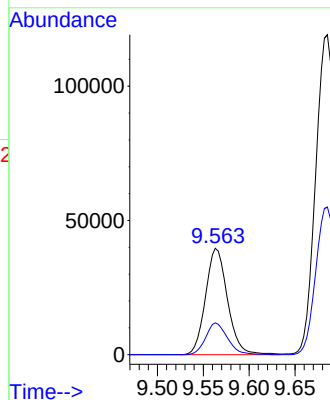
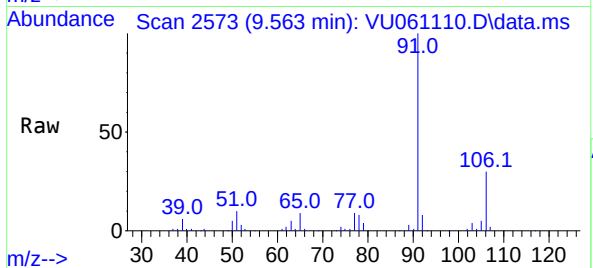
ClientSampleId :

Tgt Ion: 91 Resp: 66241

Ion Ratio Lower Upper

91 100

106 30.0 21.8 40.6



#53

m,p-Xylene

Concen: 4.803 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU061110.D

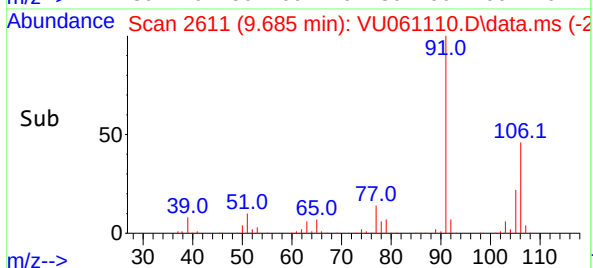
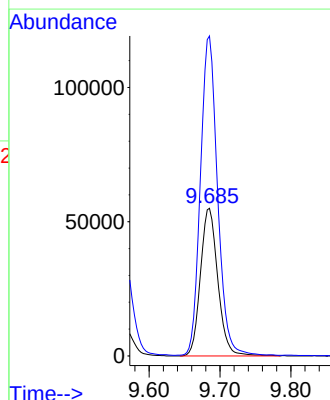
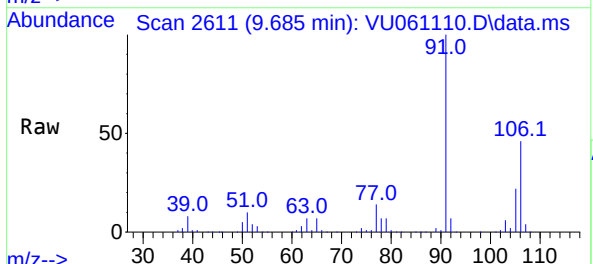
Acq: 11 Oct 2024 11:46

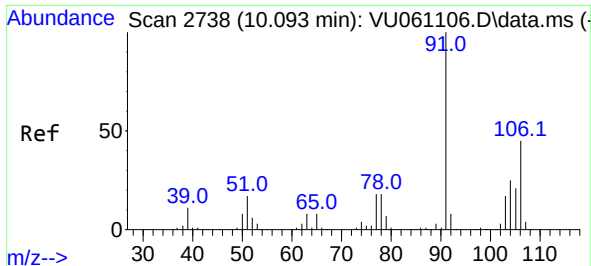
Tgt Ion:106 Resp: 93608

Ion Ratio Lower Upper

106 100

91 216.6 139.7 259.4

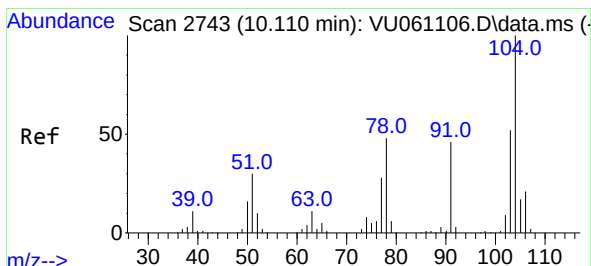
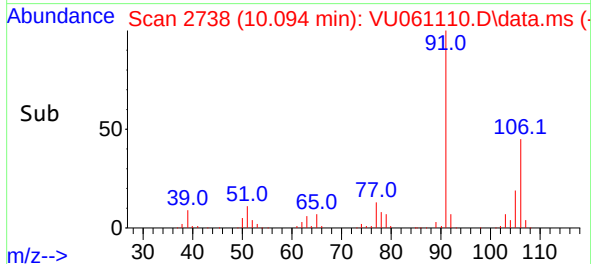
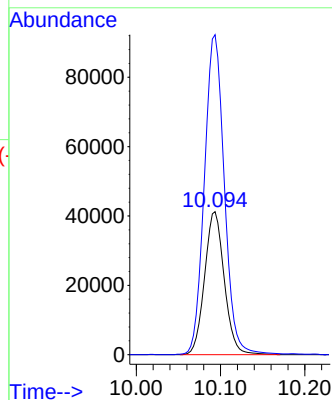
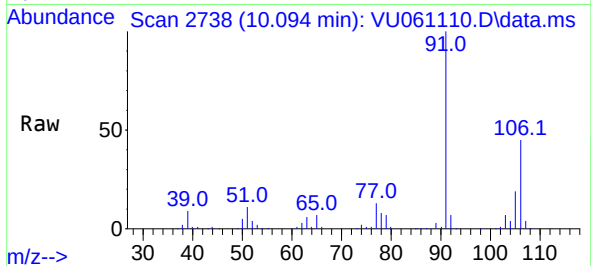




#54
o-Xylene
Concen: 3.501 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

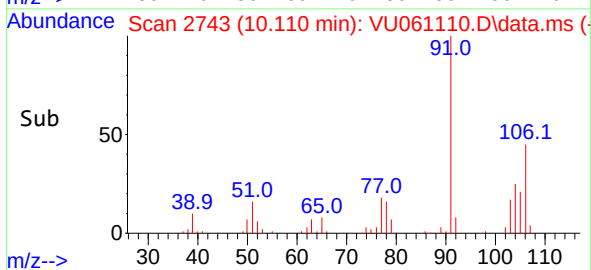
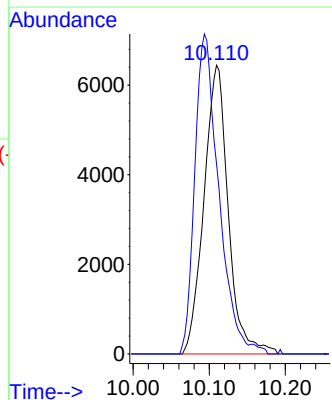
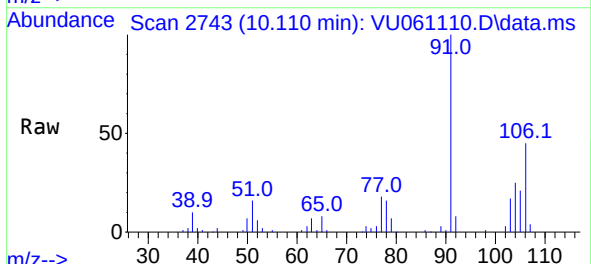
Instrument :
MSVOA_U
ClientSampleId :

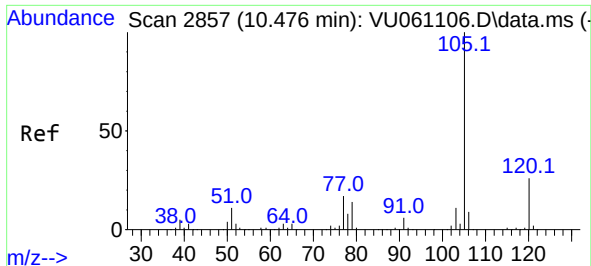
Tgt Ion:106 Resp: 67129
Ion Ratio Lower Upper
106 100
91 223.7 148.6 276.0



#55
Styrene
Concen: 0.462 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Tgt Ion:104 Resp: 14302
Ion Ratio Lower Upper
104 100
78 66.0 31.7 58.9#

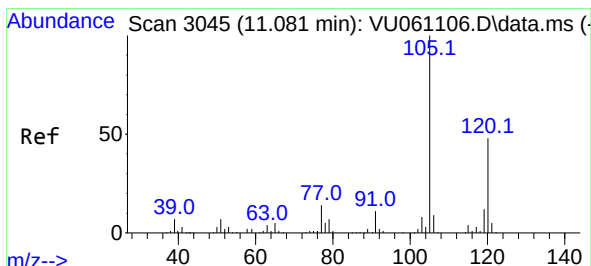
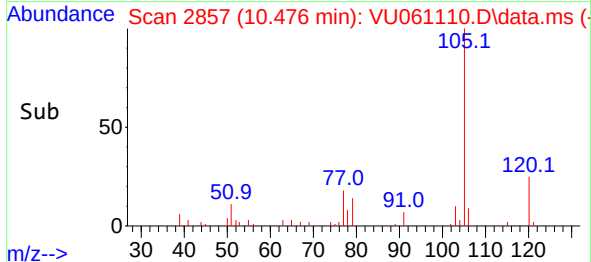
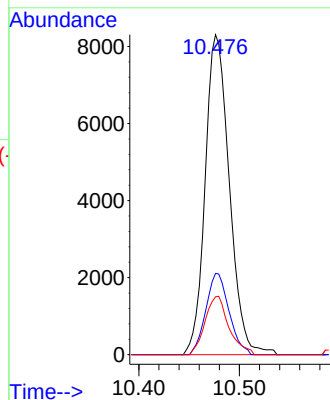
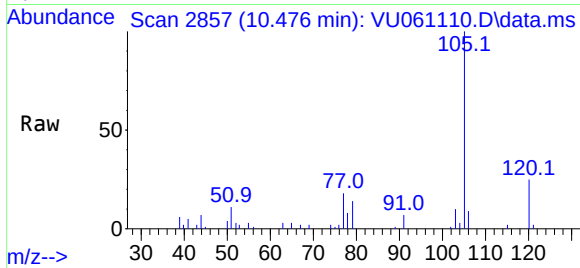




#60
Isopropylbenzene
Concen: 0.267 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

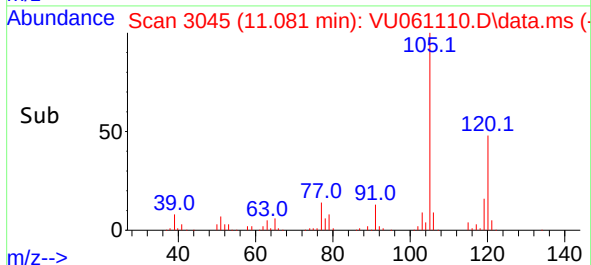
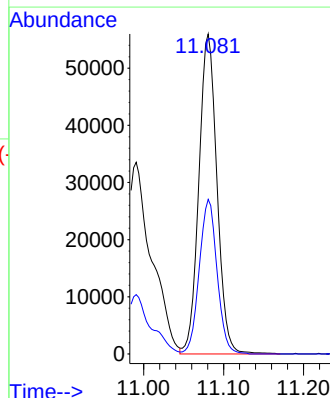
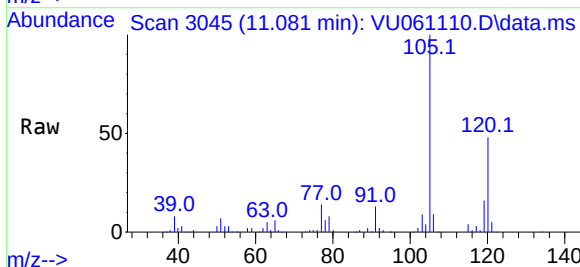
Instrument :
MSVOA_U
ClientSampleId :

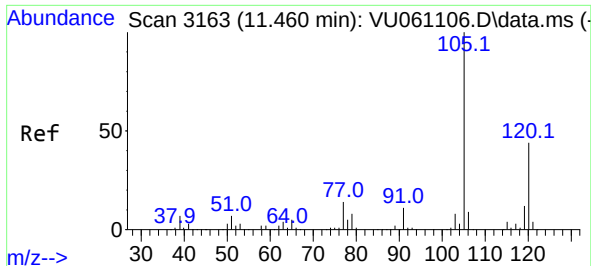
Tgt Ion:105 Resp: 13892
Ion Ratio Lower Upper
105 100
120 24.3 21.5 32.3
77 18.0 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 1.927 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Tgt Ion:105 Resp: 88326
Ion Ratio Lower Upper
105 100
120 47.5 38.5 57.7

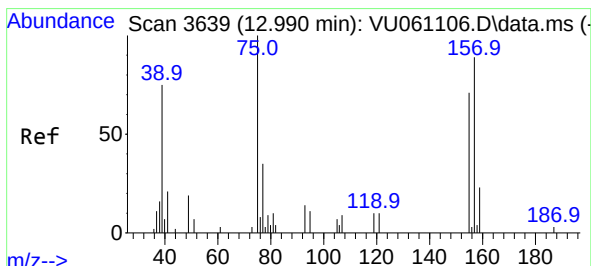
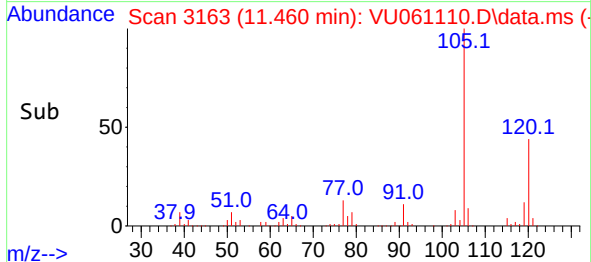
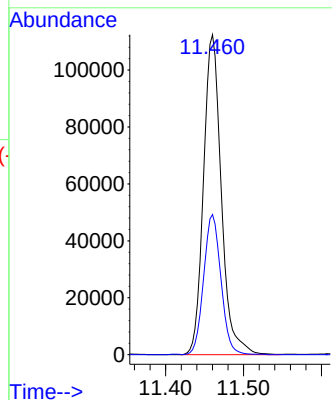
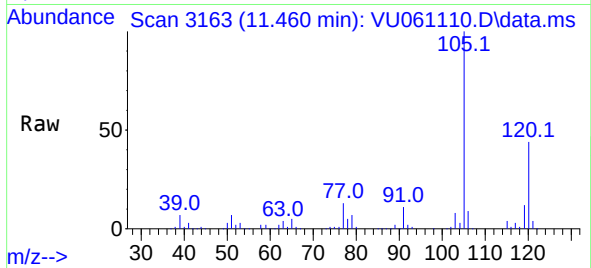




#63
1,2,4-Trimethylbenzene
Concen: 3.863 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

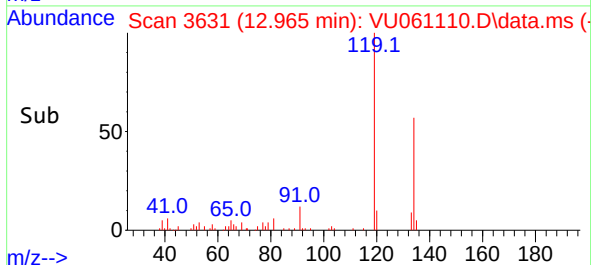
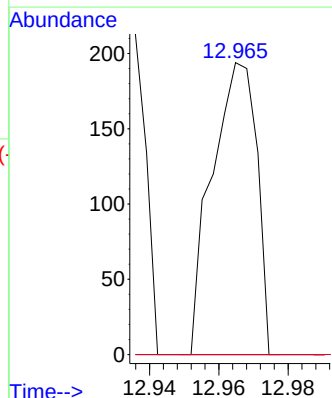
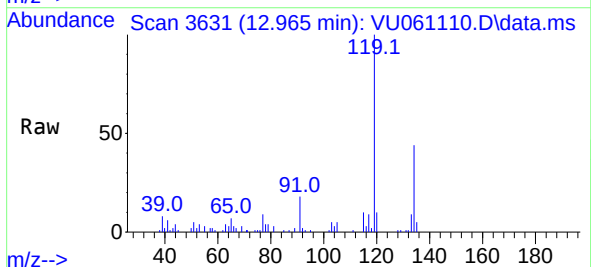
Instrument :
MSVOA_U
ClientSampleId :

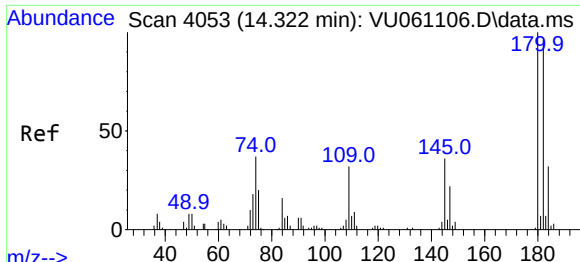
Tgt Ion:105 Resp: 178743
Ion Ratio Lower Upper
105 100
120 42.5 36.1 54.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.104 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.026 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

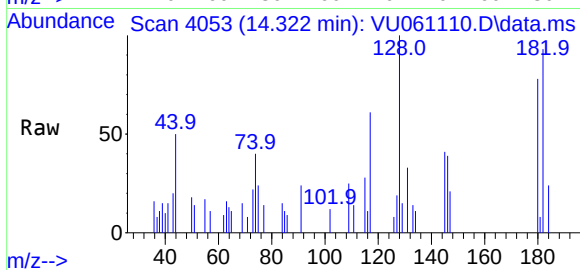
Tgt Ion: 75 Resp: 174
Ion Ratio Lower Upper
75 100
155 0.0 73.1 109.7#
157 0.0 91.0 136.4#





#72
1,2,3-Trichlorobenzene
Concen: 0.167 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU061110.D
Acq: 11 Oct 2024 11:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 1675
Ion Ratio Lower Upper
180 100
182 110.1 75.7 113.5
145 124.9 23.5 35.3#

