

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061111.D
 Acq On : 11 Oct 2024 12:11
 Operator : MD/SY
 Sample : P4380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 04:18:28 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	157820	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	147393	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	41599	3.687	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.911	69	37899	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.557	65	19679	3.954	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.660	46	123995	45.877	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.760%
24) Chloroform-d	5.052	84	92684	4.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.695	65	48463	4.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.717	84	184164	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.682	67	63150	4.948	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.891	98	165066	4.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.174	79	23614	4.327	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.630	63	111541	49.381	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.760%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	45848	4.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	60536	5.128	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.473	50	32714	2.945	ug/L #	40
8) Chloroethane	2.055	64	10174	1.504	ug/L #	52
13) Acetone	2.682	43	13322	7.664	ug/L	100
14) Carbon disulfide	2.779	76	4817	0.156	ug/L #	72
18) trans-1,2-Dichloroethene	3.341	96	1385	0.139	ug/L	78
19) 1,1-Dichloroethane	3.862	63	8044	0.414	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	14596	1.312	ug/L	97
27) 1,2-Dichloroethane	5.762	62	4897	0.382	ug/L #	72
30) Cyclohexane	5.373	56	2308	0.121	ug/L #	86
33) Benzene	5.762	78	542103	12.477	ug/L	100
34) Trichloroethene	6.534	95	37029	3.144	ug/L	97
35) Methylcyclohexane	6.753	83	3348	0.176	ug/L	88
37) 1,2-Dichloropropane	6.682	63	6699	0.585	ug/L #	93
42) Toluene	7.962	91	179974	3.888	ug/L	100
47) Tetrachloroethene	8.544	164	108110	14.103	ug/L	95
49) Dibromochloromethane	8.544	129	111052	12.578	ug/L #	9
52) Ethylbenzene	9.563	91	36646	0.699	ug/L	97
53) m,p-Xylene	9.685	106	59419	3.105	ug/L	91
54) o-Xylene	10.093	106	38010	2.019	ug/L	91

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

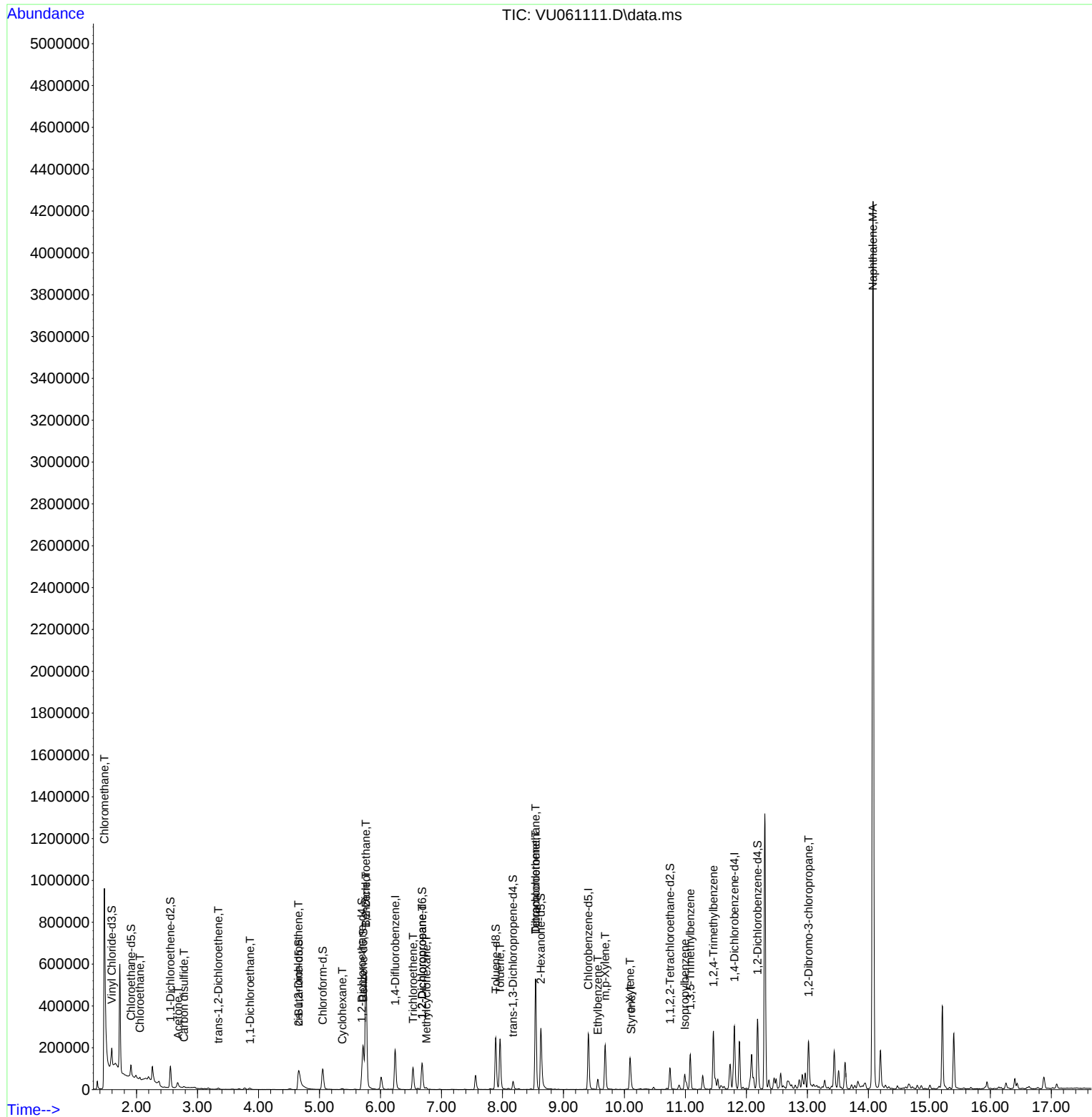
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.113	104	14288	0.470	ug/L	86
60) Isopropylbenzene	10.991	105	60788	1.231	ug/L	94
62) 1,3,5-Trimethylbenzene	11.081	105	89695	2.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	154207	3.511	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.019	75	3192	2.018	ug/L #	1
71) Naphthalene	14.077	128	3211843	172.161	ug/L	99

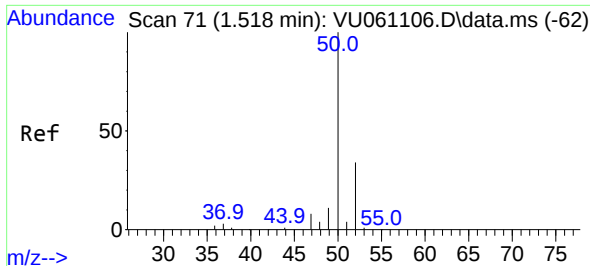
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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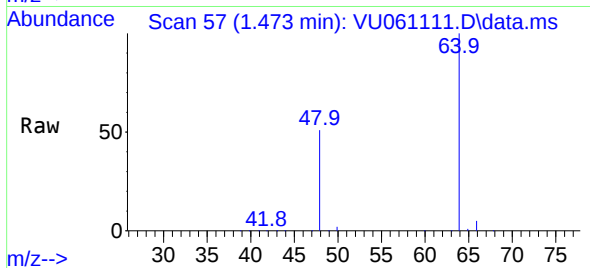
Quant Time: Oct 14 04:18:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
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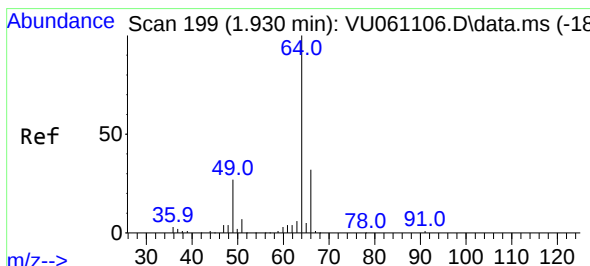
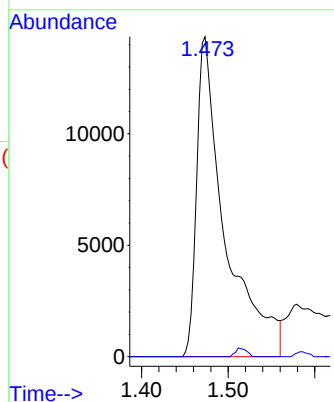
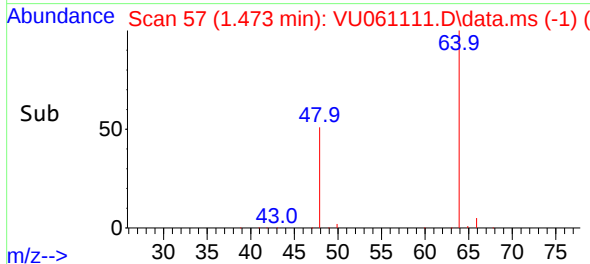


#3
Chloromethane
Concen: 2.945 ug/L
RT: 1.473 min Scan# 51
Delta R.T. -0.045 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :

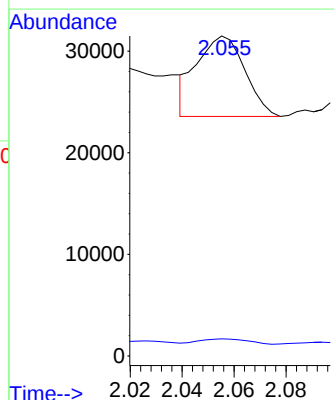
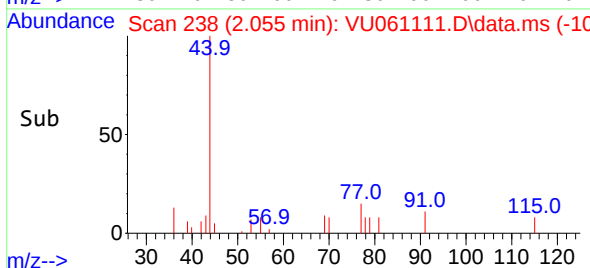
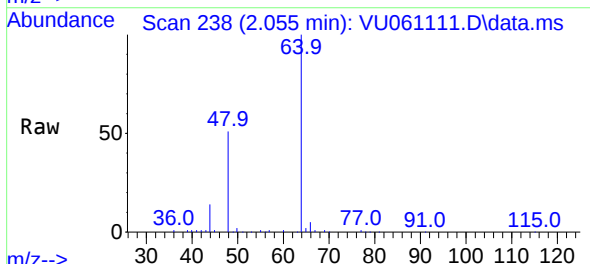


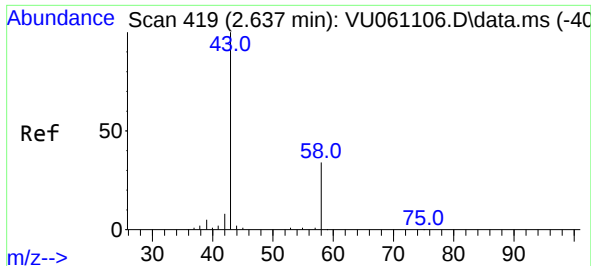
Tgt Ion: 50 Resp: 32714
Ion Ratio Lower Upper
50 100
52 0.0 24.4 45.4#



#8
Chloroethane
Concen: 1.504 ug/L
RT: 2.055 min Scan# 238
Delta R.T. 0.125 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion: 64 Resp: 10174
Ion Ratio Lower Upper
64 100
66 5.3 22.3 41.3#





#13

Acetone

Concen: 7.664 ug/L

RT: 2.682 min Scan# 41

Delta R.T. 0.048 min

Lab File: VU061111.D

Acq: 11 Oct 2024 12:11

Instrument :

MSVOA_U

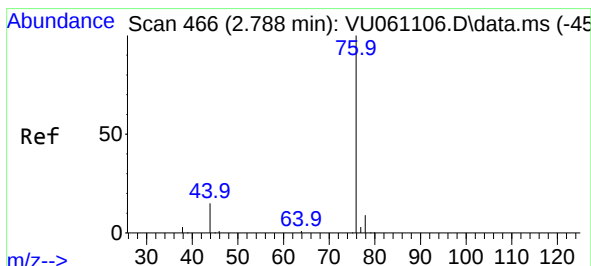
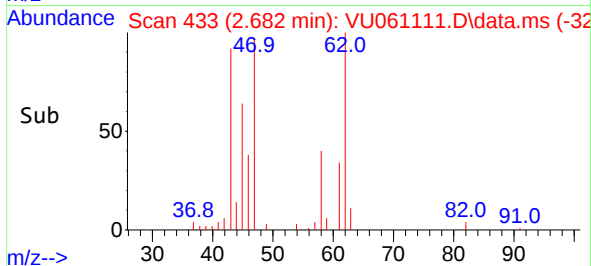
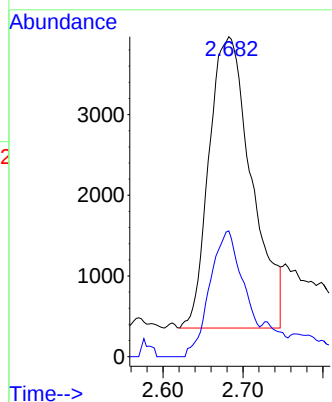
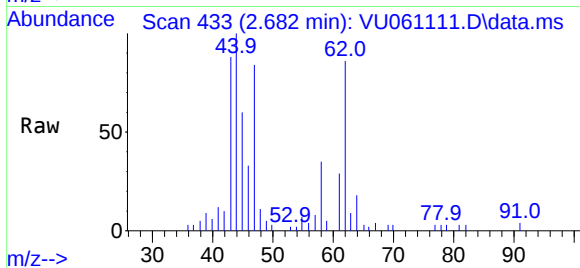
ClientSampleId :

Tgt Ion: 43 Resp: 13322

Ion Ratio Lower Upper

43 100

58 34.5 0.0 69.6



#14

Carbon disulfide

Concen: 0.156 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.010 min

Lab File: VU061111.D

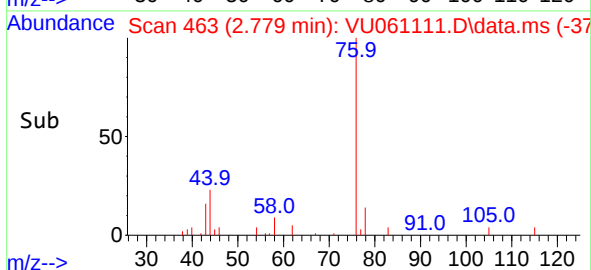
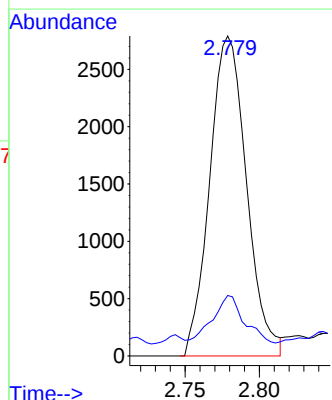
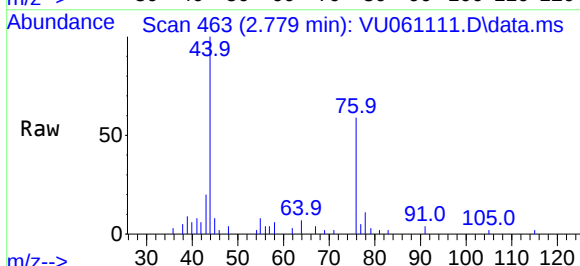
Acq: 11 Oct 2024 12:11

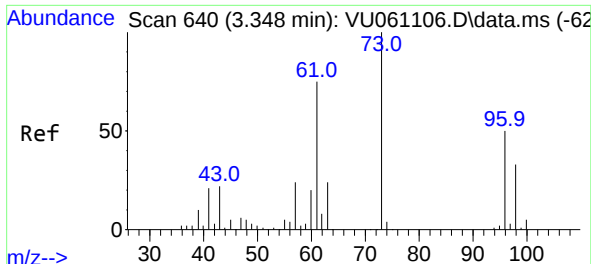
Tgt Ion: 76 Resp: 4817

Ion Ratio Lower Upper

76 100

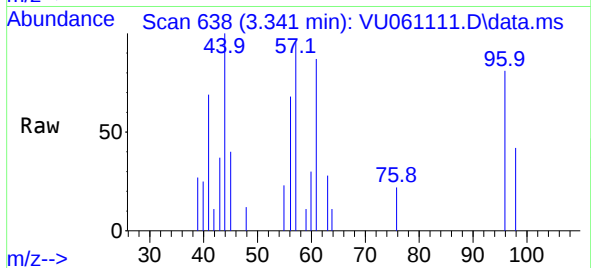
78 18.9 7.1 10.7#





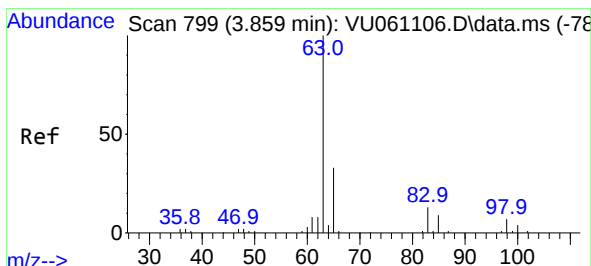
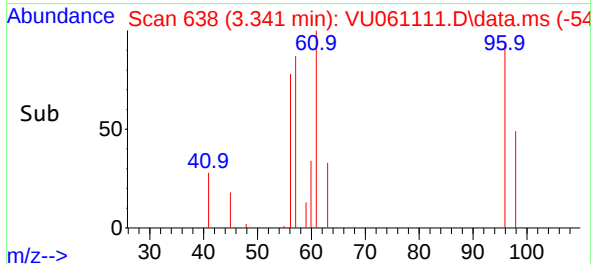
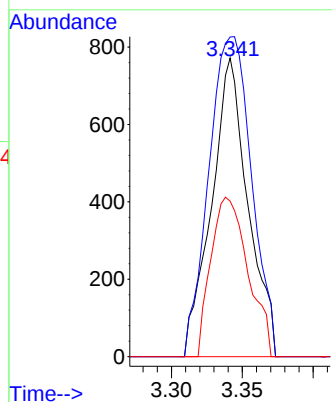
#18
trans-1,2-Dichloroethene
Concen: 0.139 ug/L
RT: 3.341 min Scan# 618
Delta R.T. -0.006 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 1385

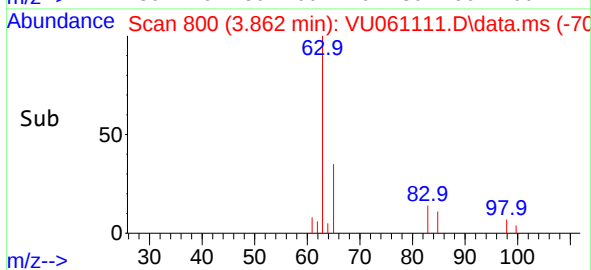
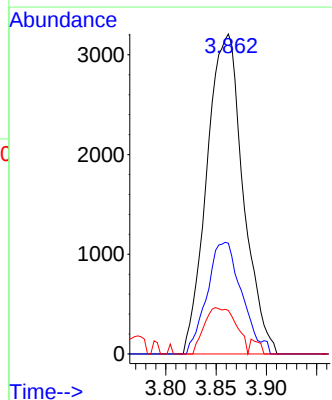
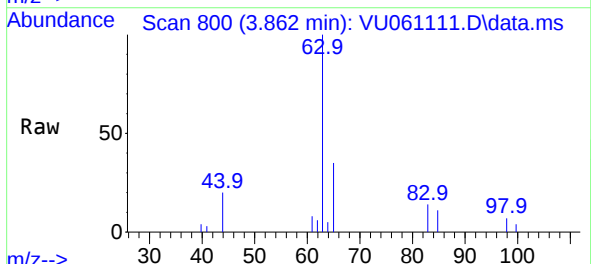
Ion	Ratio	Lower	Upper
96	100		
61	107.0	97.2	180.6
98	52.1	43.3	80.5

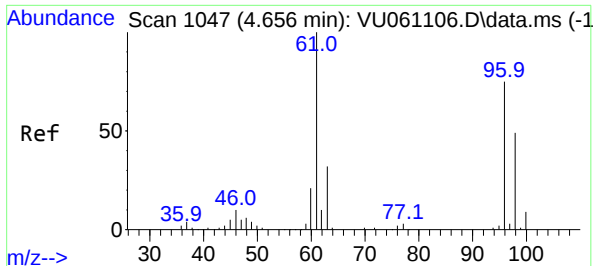


#19
1,1-Dichloroethane
Concen: 0.414 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion: 63 Resp: 8044

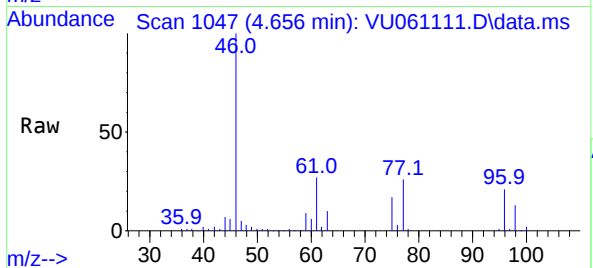
Ion	Ratio	Lower	Upper
63	100		
65	34.6	23.0	42.8
83	13.6	9.0	16.6



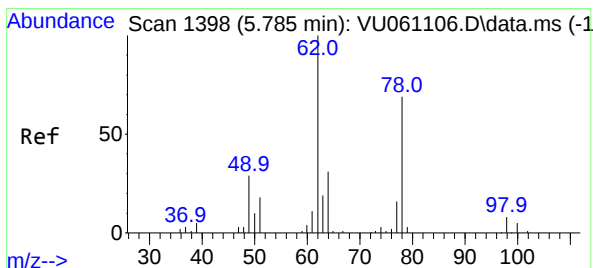
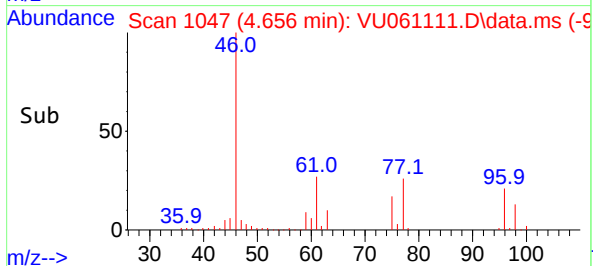
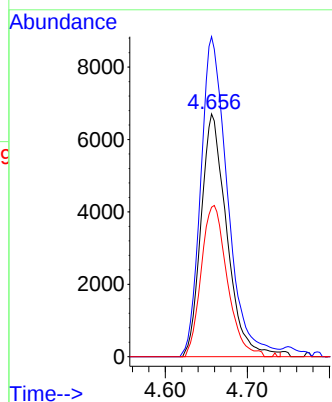


#22
 cis-1,2-Dichloroethene
 Concen: 1.312 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU061111.D
 Acq: 11 Oct 2024 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

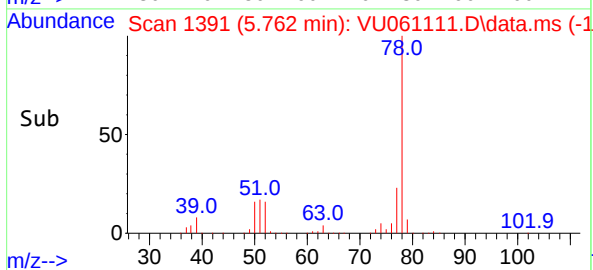
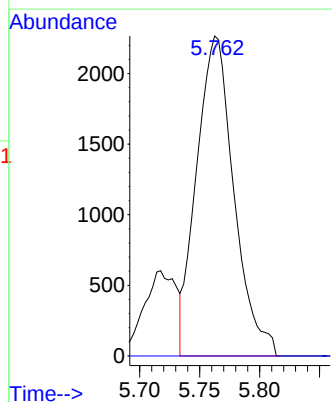
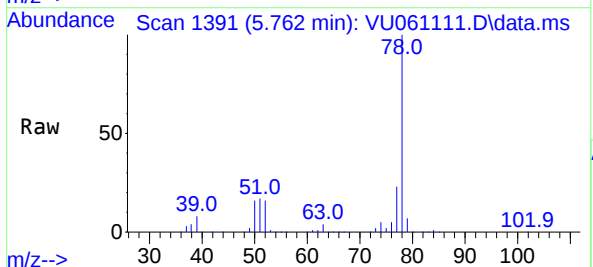


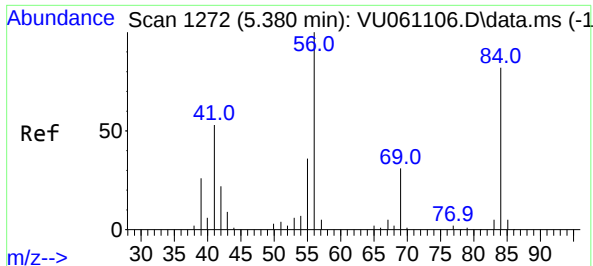
Tgt Ion: 96 Resp: 14596
 Ion Ratio Lower Upper
 96 100
 61 131.8 89.7 166.5
 98 61.6 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 0.382 ug/L
 RT: 5.762 min Scan# 1391
 Delta R.T. -0.023 min
 Lab File: VU061111.D
 Acq: 11 Oct 2024 12:11

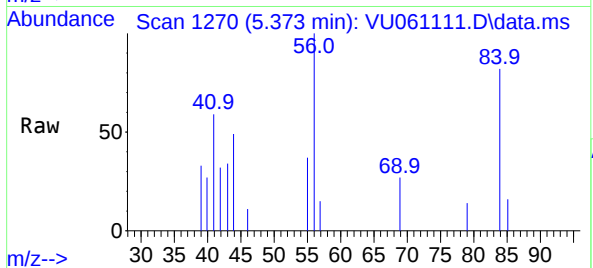
Tgt Ion: 62 Resp: 4897
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



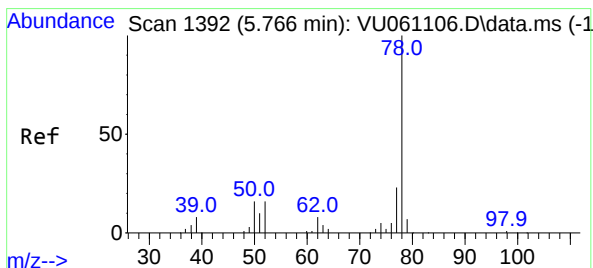
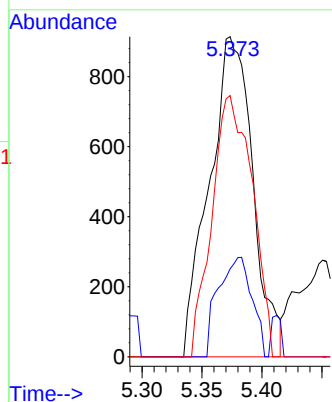
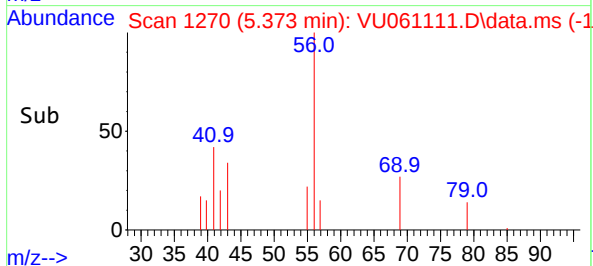


#30
Cyclohexane
Concen: 0.121 ug/L
RT: 5.373 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

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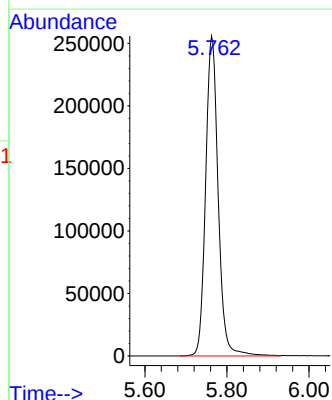
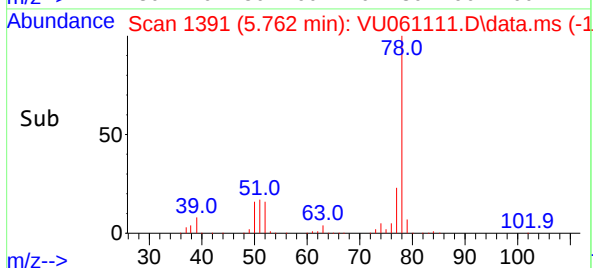
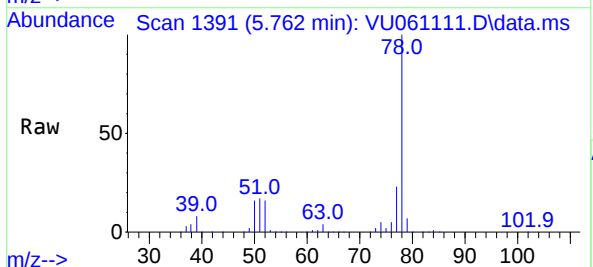


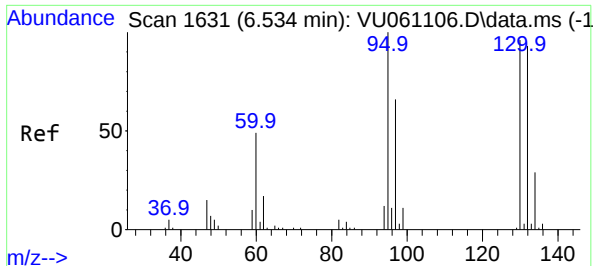
Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
69 24.0 25.4 38.0#
84 75.6 71.0 106.6



#33
Benzene
Concen: 12.477 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

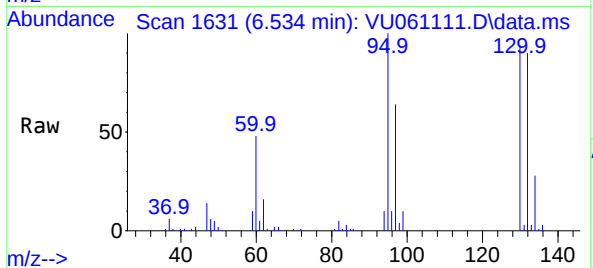
Tgt Ion: 78 Resp: 542103



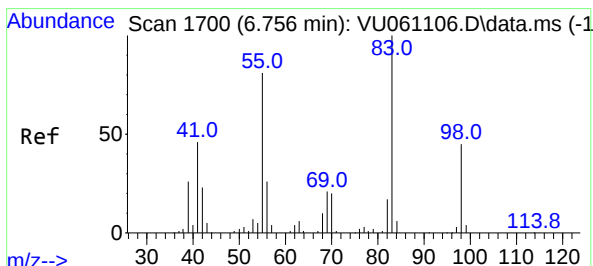
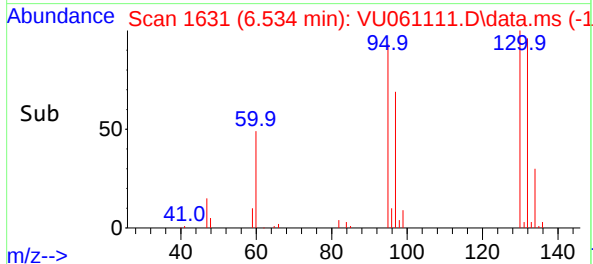
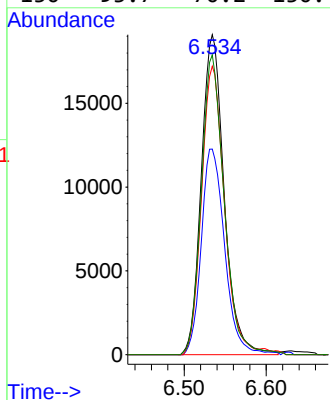


#34
Trichloroethene
Concen: 3.144 ug/L
RT: 6.534 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :

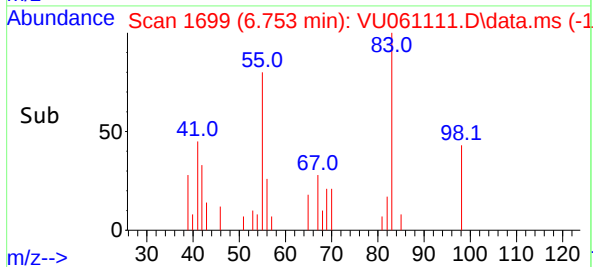
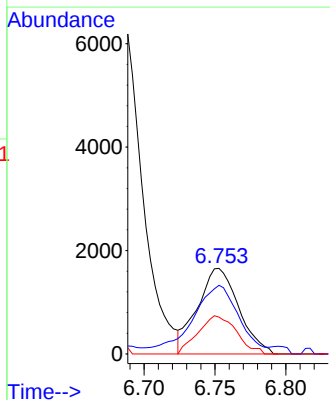
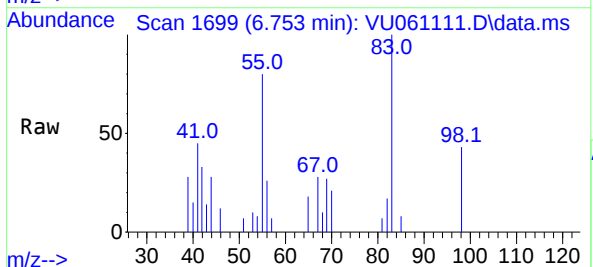


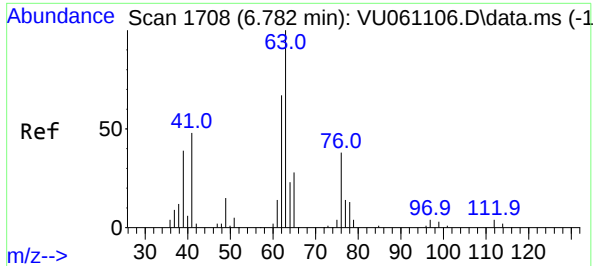
Tgt Ion: 95 Resp: 37029
Ion Ratio Lower Upper
95 100
97 64.3 44.9 83.5
132 90.2 63.5 117.9
130 93.7 70.2 130.4



#35
Methylcyclohexane
Concen: 0.176 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion: 83 Resp: 3348
Ion Ratio Lower Upper
83 100
55 90.9 62.6 94.0
98 41.4 37.6 56.4

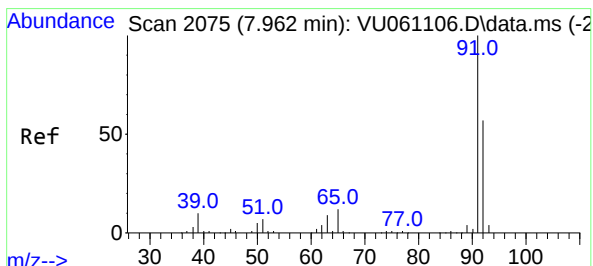
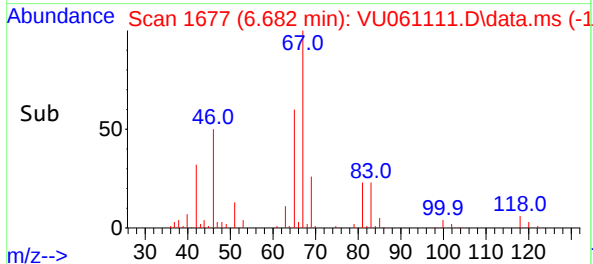
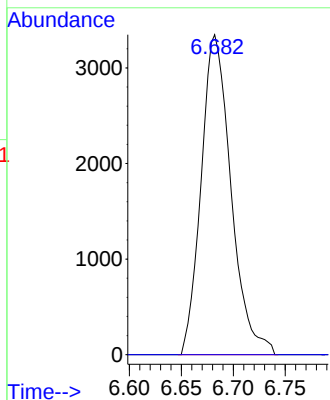
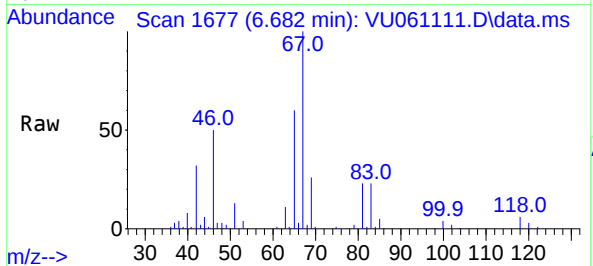




#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

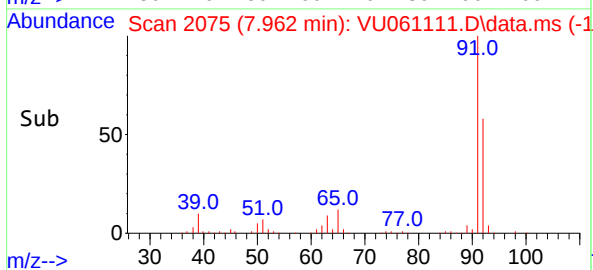
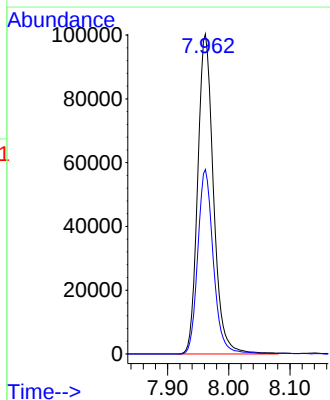
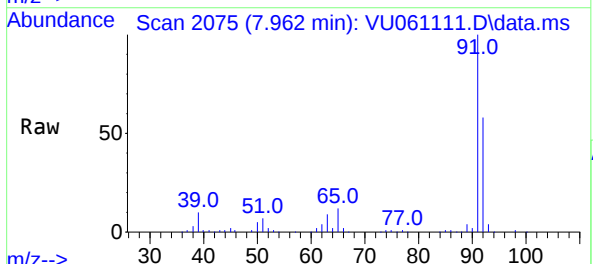
Instrument :
MSVOA_U
ClientSampleId :

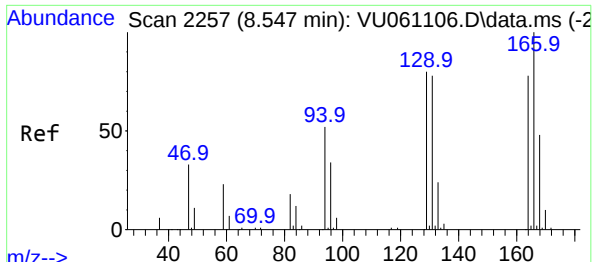
Tgt Ion: 63 Resp: 6699
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 3.888 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

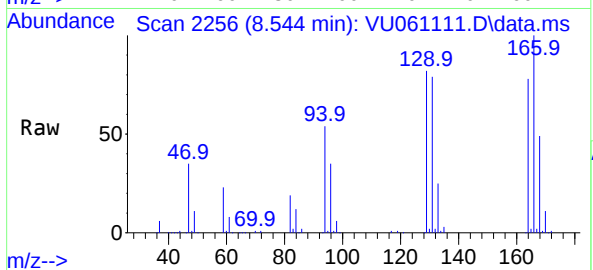
Tgt Ion: 91 Resp: 179974
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3





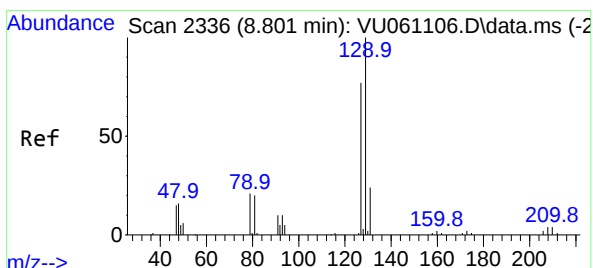
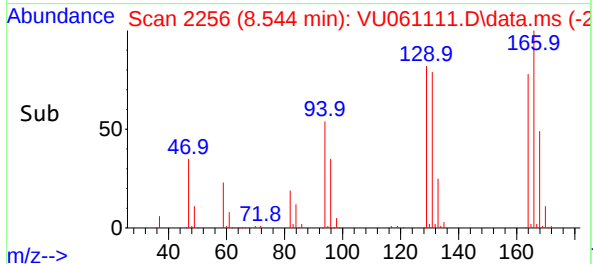
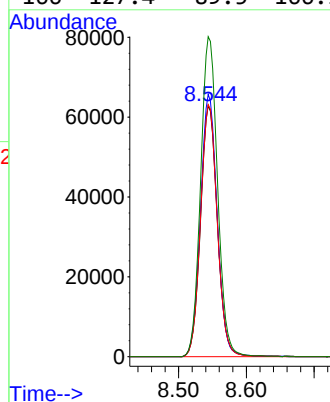
#47
Tetrachloroethene
Concen: 14.103 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 108110

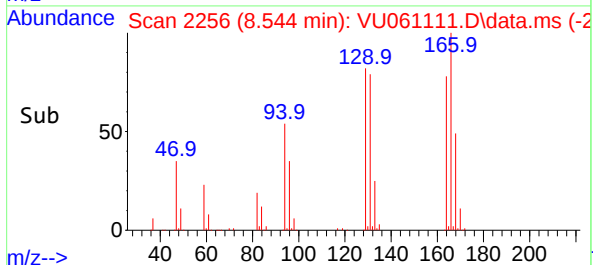
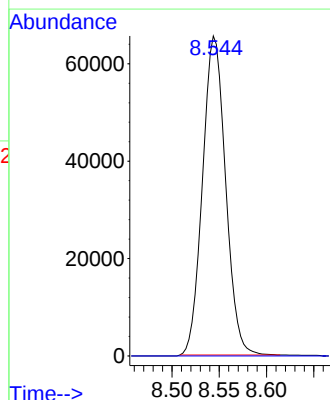
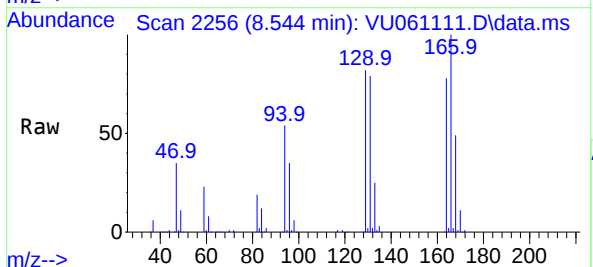
Ion	Ratio	Lower	Upper
164	100		
129	104.5	67.3	124.9
131	100.4	65.4	121.4
166	127.4	89.5	166.1

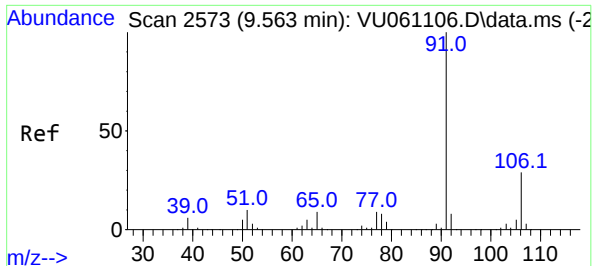


#49
Dibromochloromethane
Concen: 12.578 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.257 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:129 Resp: 111052

Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.1	104.1#

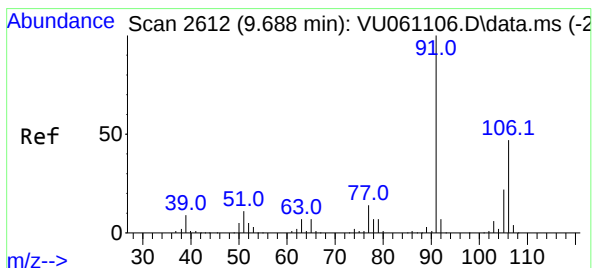
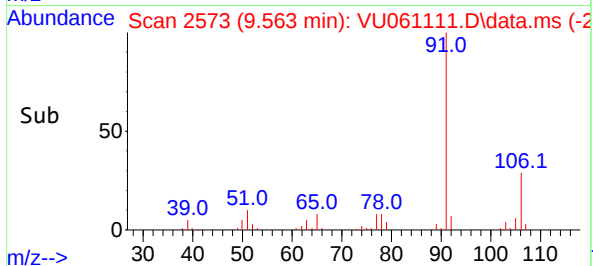
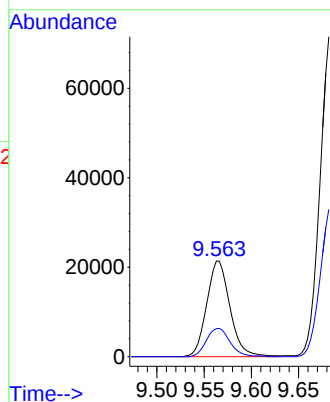
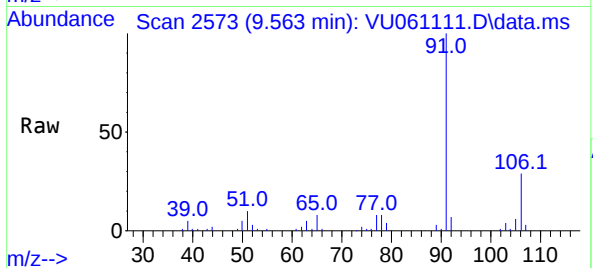




#52
Ethylbenzene
Concen: 0.699 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

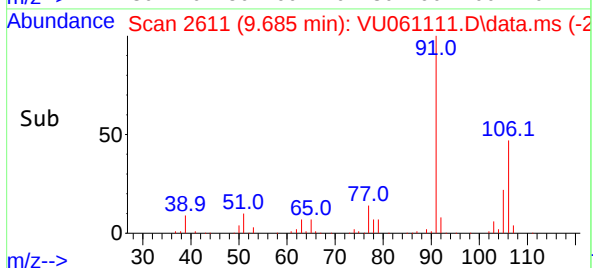
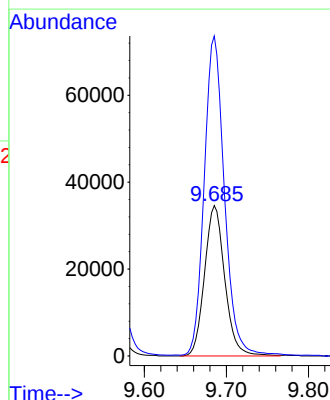
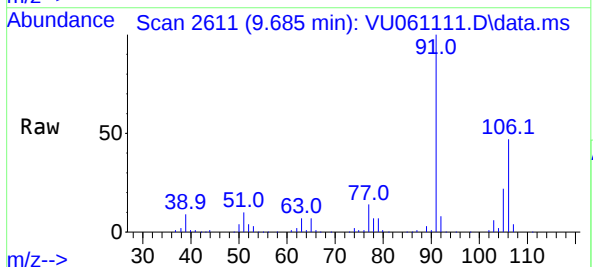
Instrument :
MSVOA_U
ClientSampleId :

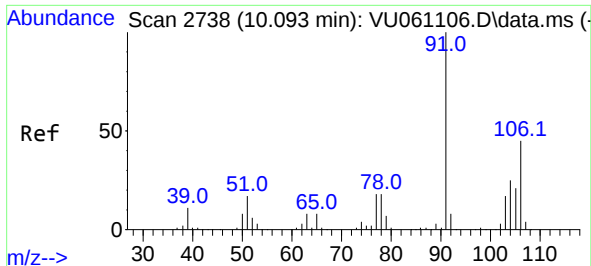
Tgt Ion: 91 Resp: 36646
Ion Ratio Lower Upper
91 100
106 29.3 21.8 40.6



#53
m,p-Xylene
Concen: 3.105 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:106 Resp: 59419
Ion Ratio Lower Upper
106 100
91 212.7 139.7 259.4

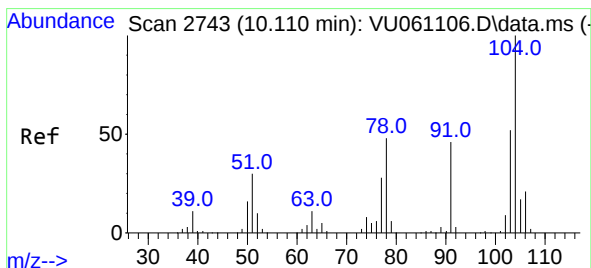
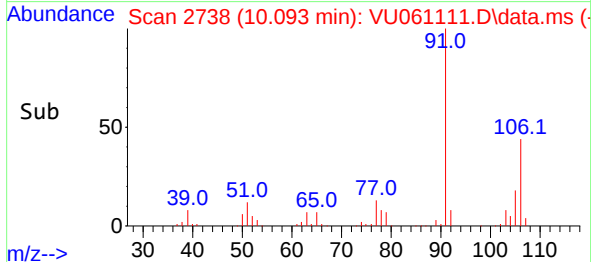
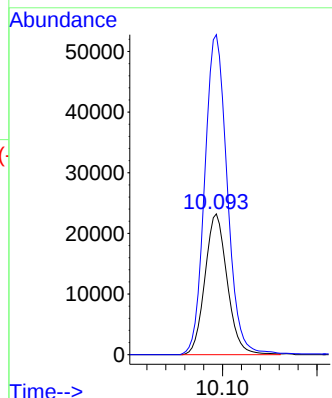
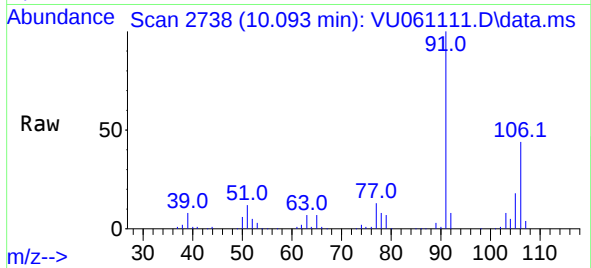




#54
o-Xylene
Concen: 2.019 ug/L
RT: 10.093 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

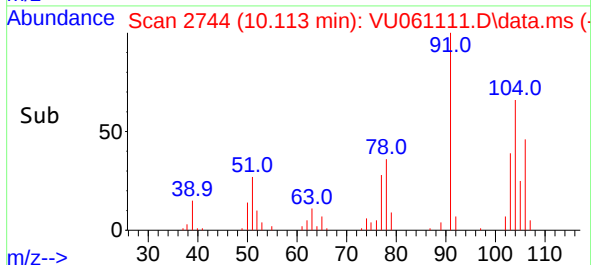
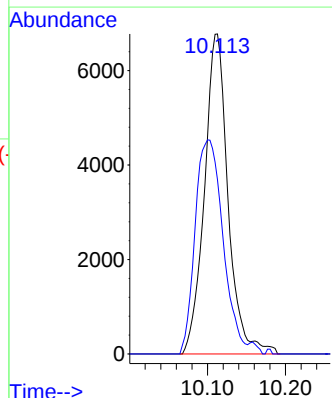
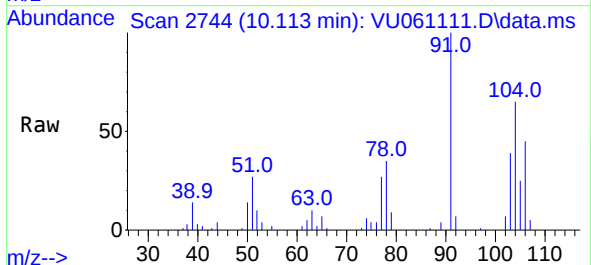
Instrument :
MSVOA_U
ClientSampleId :

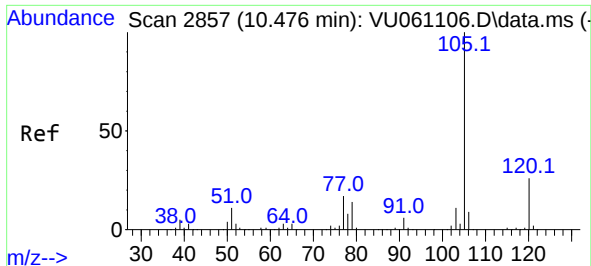
Tgt Ion:106 Resp: 38010
Ion Ratio Lower Upper
106 100
91 227.2 148.6 276.0



#55
Styrene
Concen: 0.470 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:104 Resp: 14288
Ion Ratio Lower Upper
104 100
78 54.4 31.7 58.9

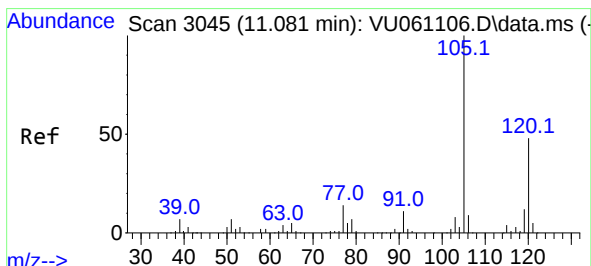
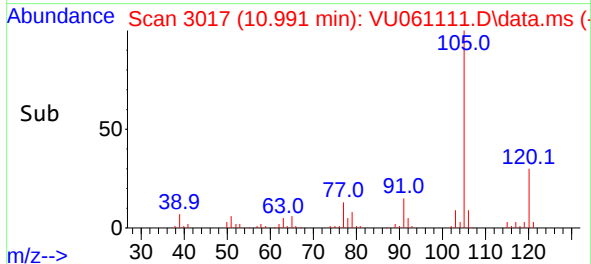
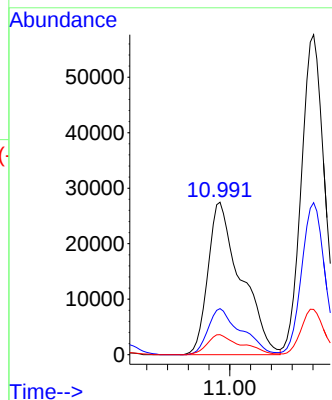
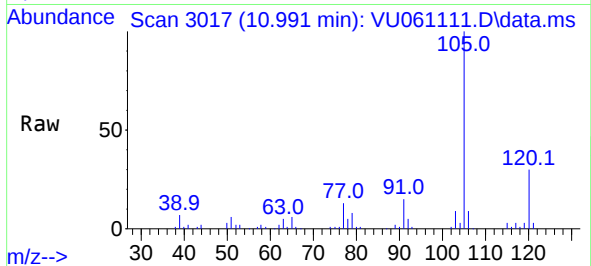




#60
Isopropylbenzene
Concen: 1.231 ug/L
RT: 10.991 min Scan# 3017
Delta R.T. 0.514 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

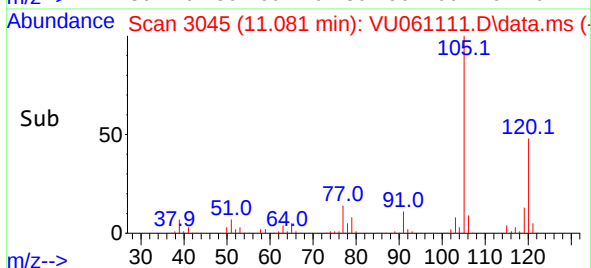
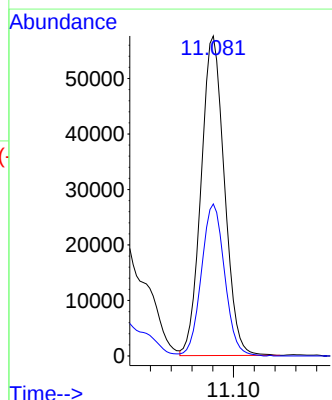
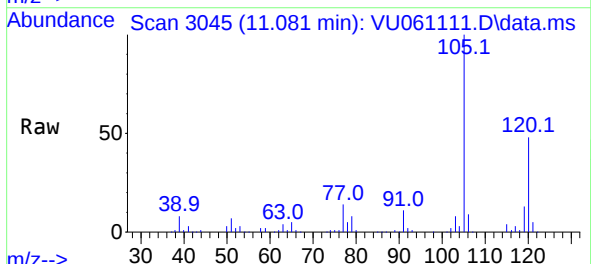
Instrument :
MSVOA_U
ClientSampleId :

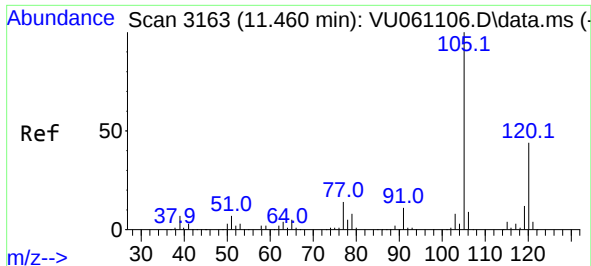
Tgt Ion:105 Resp: 60788
Ion Ratio Lower Upper
105 100
120 30.3 21.5 32.3
77 13.6 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 2.061 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:105 Resp: 89695
Ion Ratio Lower Upper
105 100
120 47.4 38.5 57.7

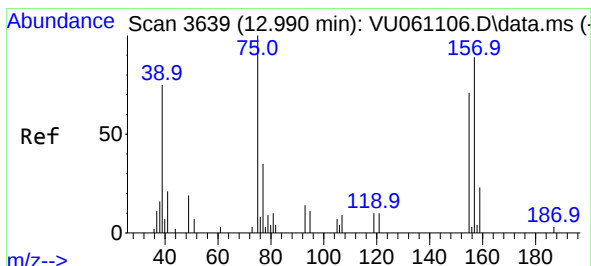
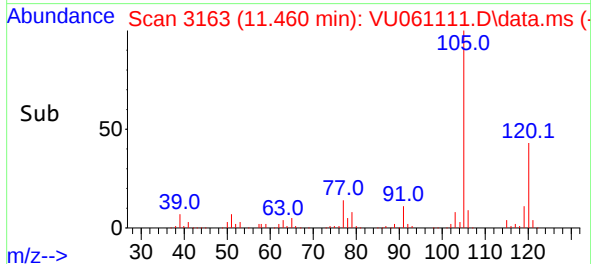
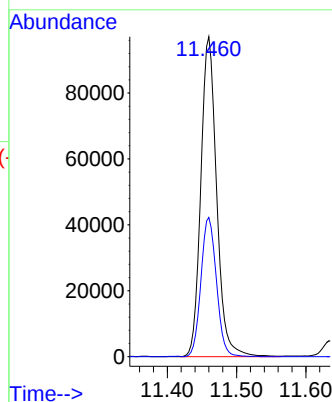
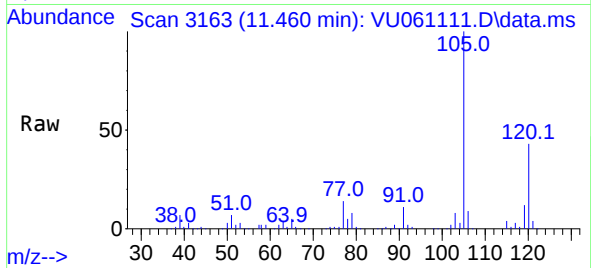




#63
1,2,4-Trimethylbenzene
Concen: 3.511 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

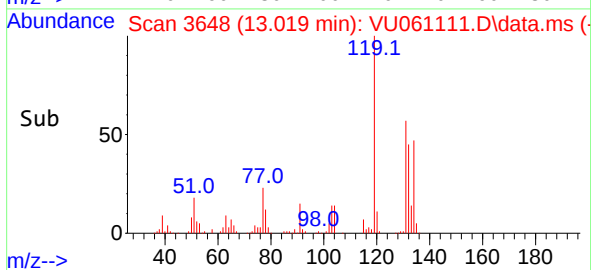
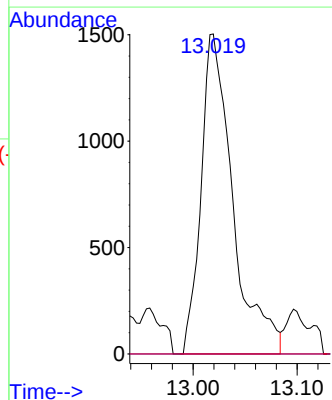
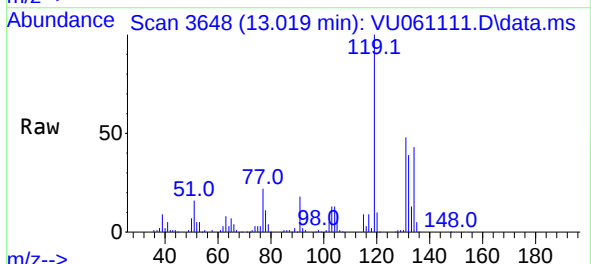
Instrument :
MSVOA_U
ClientSampleId :

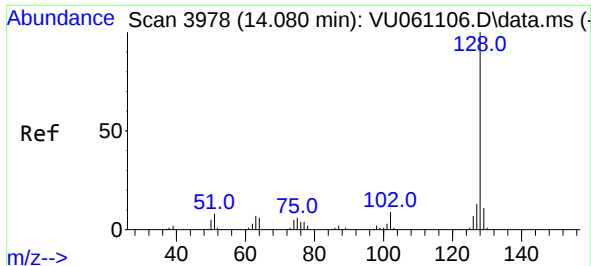
Tgt Ion:105 Resp: 154207
Ion Ratio Lower Upper
105 100
120 42.4 36.1 54.1



#68
1,2-Dibromo-3-chloropropane
Concen: 2.018 ug/L
RT: 13.019 min Scan# 3648
Delta R.T. 0.029 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

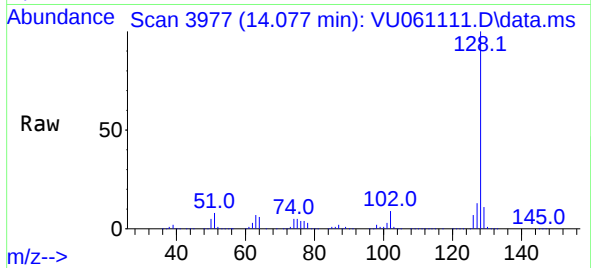
Tgt Ion: 75 Resp: 3192
Ion Ratio Lower Upper
75 100
155 0.0 73.1 109.7#
157 0.0 91.0 136.4#





#71
Naphthalene
Concen: 172.161 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3211843
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.0 10.7 16.1

