

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060955.D
 Acq On : 20 Sep 2024 20:29
 Operator : MD/SY
 Sample : P4092-09DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:44:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	131794	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	136790	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	61016	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49870	4.207	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.911	69	37890	4.489	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.560	65	18637	4.436	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.800%
20) 2-Butanone-d5	4.631	46	81354	42.750	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.500%
24) Chloroform-d	5.055	84	77776	4.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.695	65	40192	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.721	84	151267	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.682	67	52118	4.594	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.891	98	124318	3.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.177	79	17920	4.389	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.627	63	66155	41.072	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	36330	4.088	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	44007	4.292	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	7377	0.649	ug/L	97
12) 1,1-Dichloroethene	2.576	96	1862	0.225	ug/L #	1
16) Methylene chloride	3.039	84	10325	1.075	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	23170	2.437	ug/L	93
34) Trichloroethene	6.534	95	111644	11.323	ug/L	96
35) Methylcyclohexane	6.682	83	11750	0.869	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	5348	0.516	ug/L #	93
42) Toluene	7.968	91	3537	0.090	ug/L	86
47) Tetrachloroethene	8.550	164	11987	1.530	ug/L	98
49) Dibromochloromethane	8.547	129	12076	1.418	ug/L #	9
52) Ethylbenzene	9.566	91	10405	0.251	ug/L	90
53) m,p-Xylene	9.685	106	14759	0.940	ug/L	99
54) o-Xylene	10.100	106	9477	0.612	ug/L	91
60) Isopropylbenzene	11.290	105	5743	0.159	ug/L	98
61) 1,2,3-Trichloropropane	10.978	75	12120	2.130	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.084	105	5703	0.203	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	14126	0.509	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	2364	0.138	ug/L #	77
71) Naphthalene	14.093	128	5232	0.414	ug/L #	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 21 01:39:49 2024
Response via : Initial Calibration

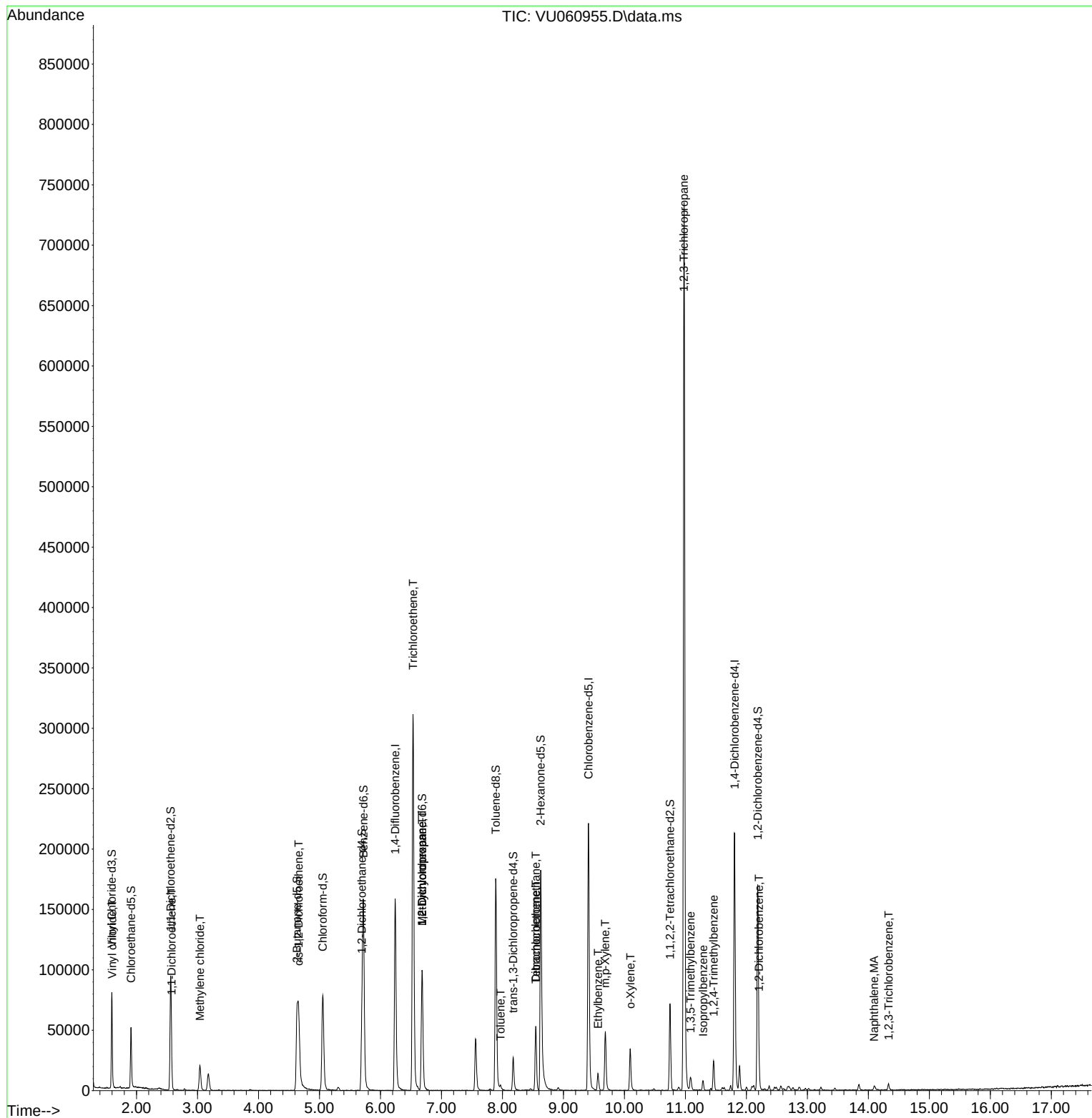
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.335	180	2033	0.246	ug/L	# 83

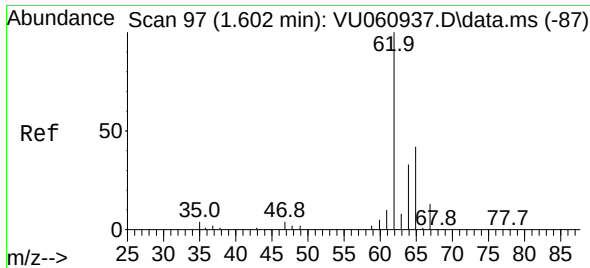
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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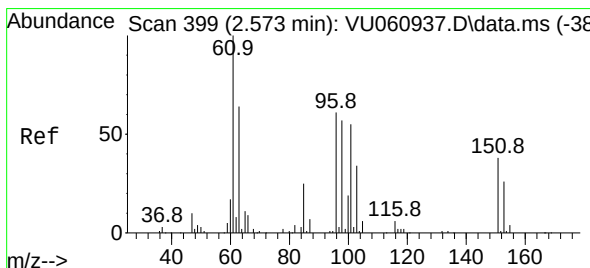
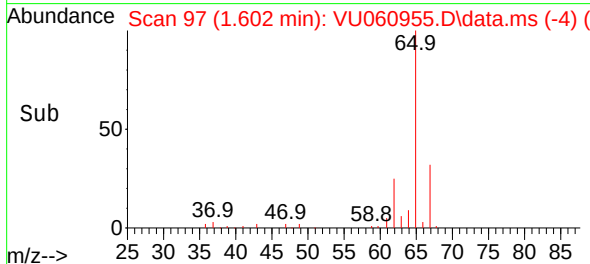
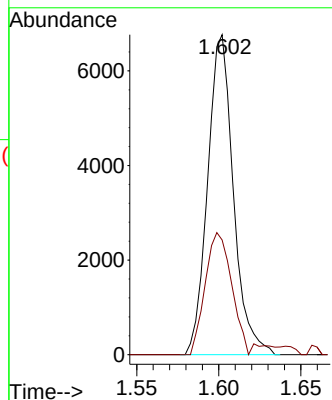
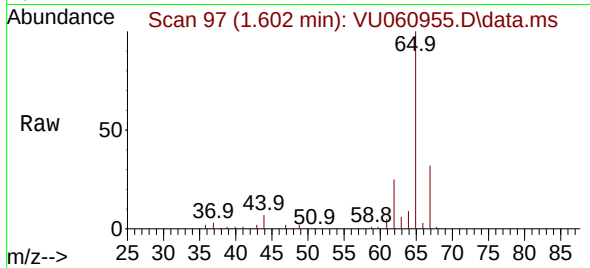




#5
 Vinyl chloride
 Concen: 0.649 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060955.D
 Acq: 20 Sep 2024 20:29

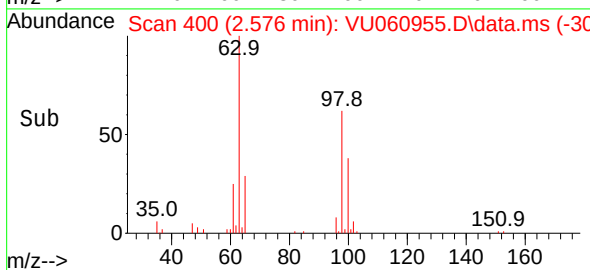
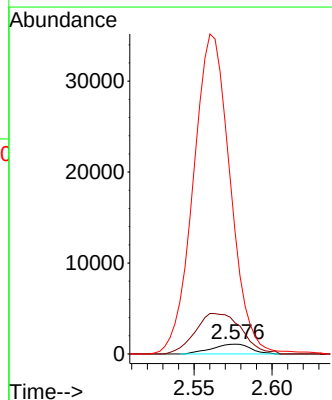
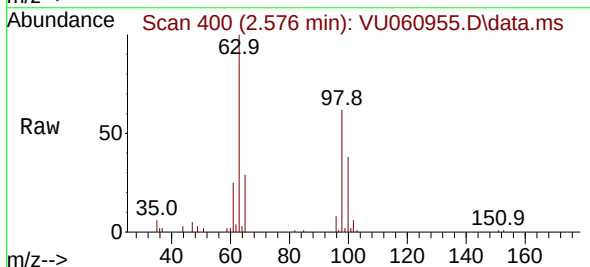
Instrument :
 MSVOA_U
 ClientSampleId :

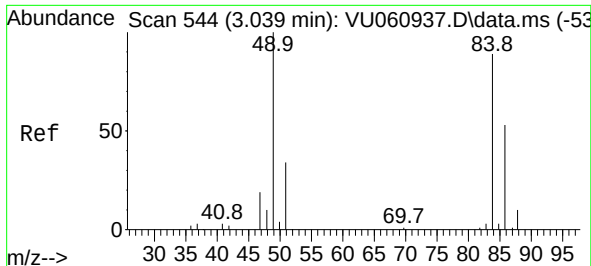
Tgt Ion: 62 Resp: 7377
 Ion Ratio Lower Upper
 62 100
 64 35.9 24.0 44.6



#12
 1,1-Dichloroethene
 Concen: 0.225 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060955.D
 Acq: 20 Sep 2024 20:29

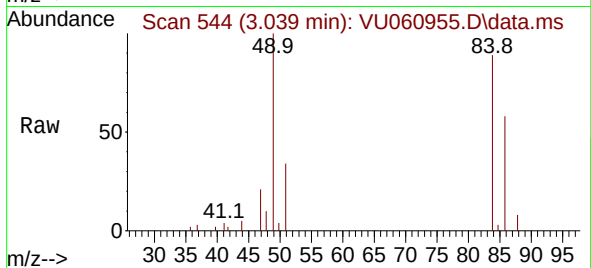
Tgt Ion: 96 Resp: 1862
 Ion Ratio Lower Upper
 96 100
 61 268.4 120.7 224.1#
 63 1057.0 90.0 167.2#



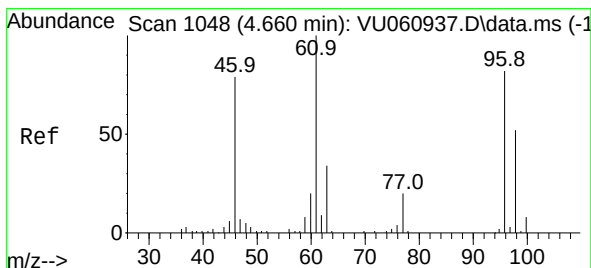
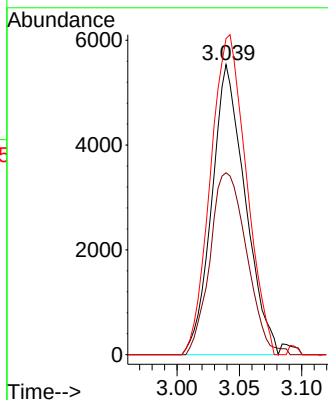
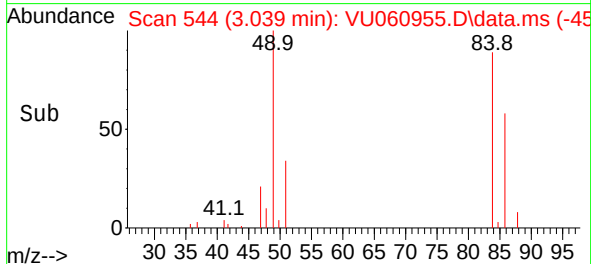


#16
Methylene chloride
Concen: 1.075 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Instrument :
MSVOA_U
ClientSampleId :

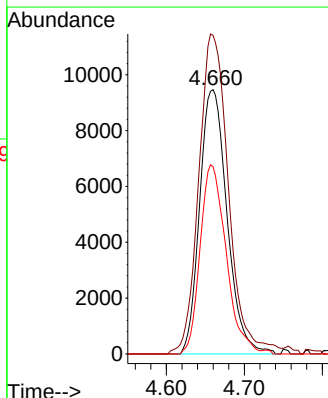
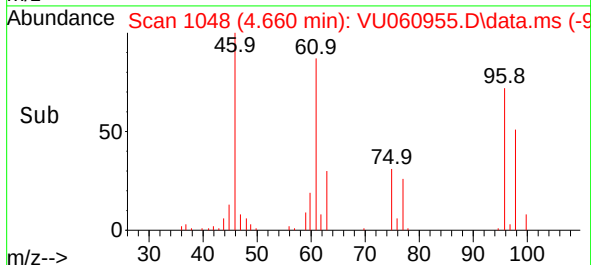
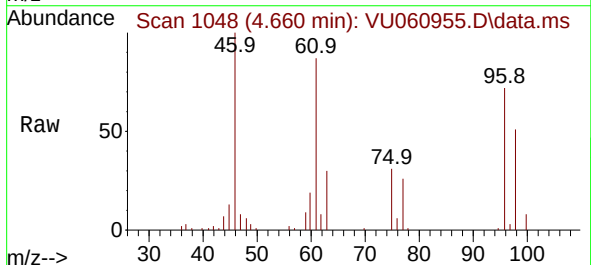


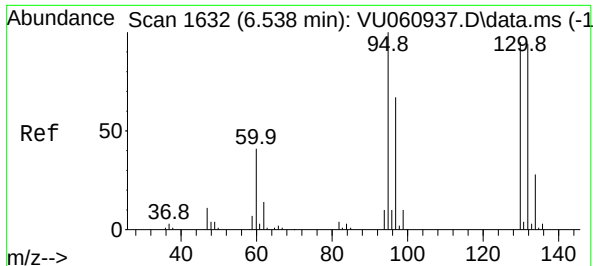
Tgt Ion: 84 Resp: 10325
Ion Ratio Lower Upper
84 100
86 62.7 47.3 87.8
49 113.8 78.7 146.1



#22
cis-1,2-Dichloroethene
Concen: 2.437 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Tgt Ion: 96 Resp: 23170
Ion Ratio Lower Upper
96 100
61 120.6 89.7 166.5
98 70.9 45.1 83.9

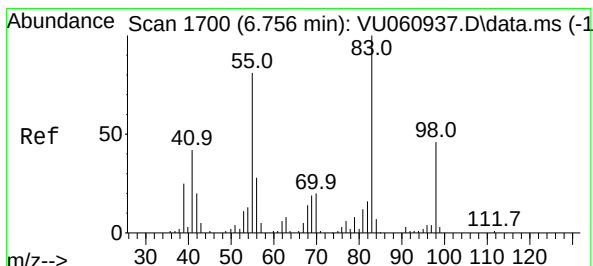
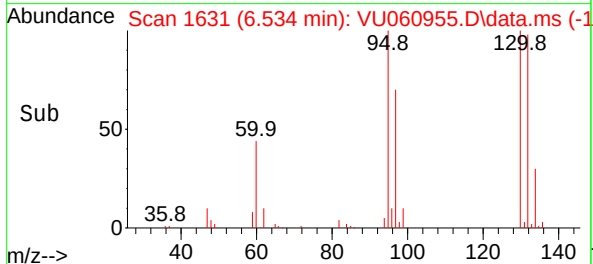
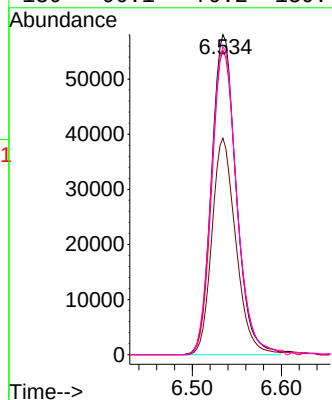
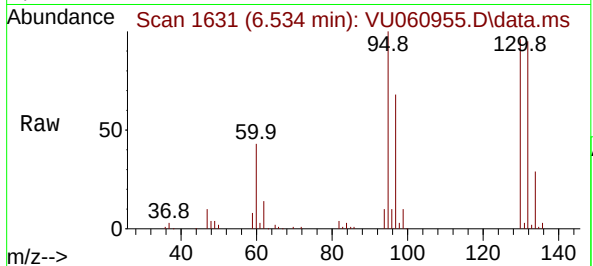




#34
Trichloroethene
Concen: 11.323 ug/L
RT: 6.534 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

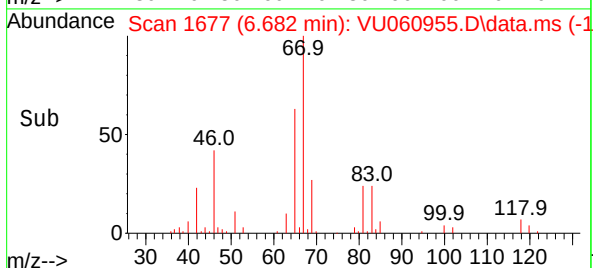
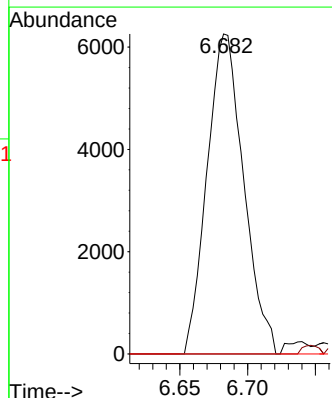
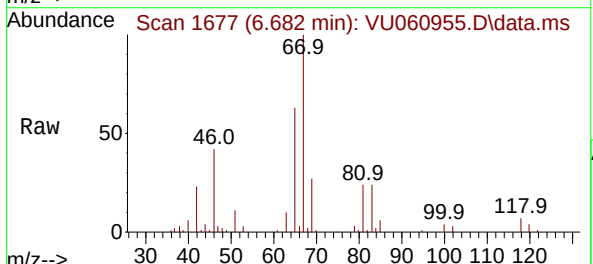
Instrument :
MSVOA_U
ClientSampleId :

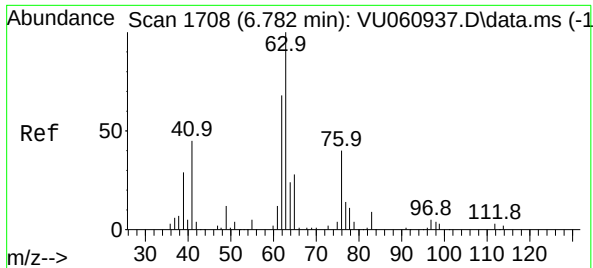
Tgt Ion: 95 Resp: 111644
Ion Ratio Lower Upper
95 100
97 67.7 44.9 83.5
132 95.0 63.5 117.9
130 96.1 70.2 130.4



#35
Methylcyclohexane
Concen: 0.869 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Tgt Ion: 83 Resp: 11750
Ion Ratio Lower Upper
83 100
55 1.3 62.6 94.0#
98 0.0 37.6 56.4#

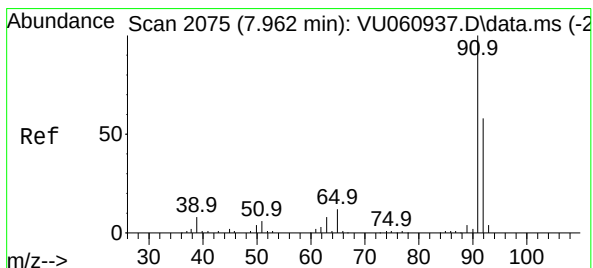
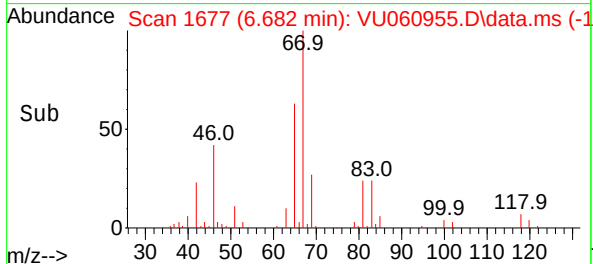
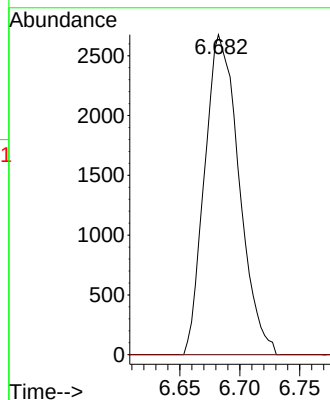
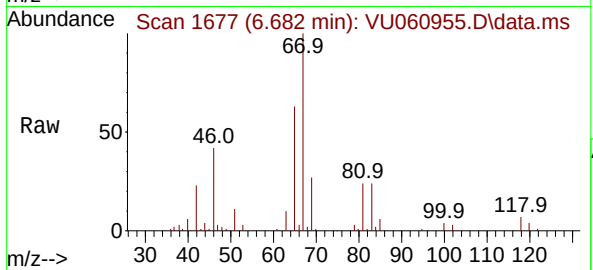




#37
1,2-Dichloropropane
Concen: 0.516 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

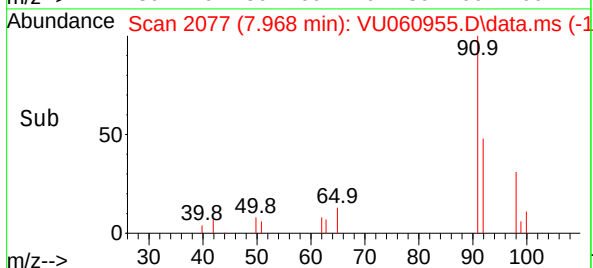
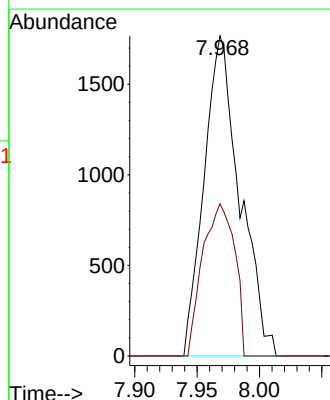
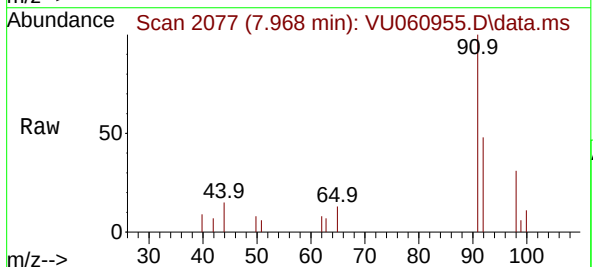
Instrument :
MSVOA_U
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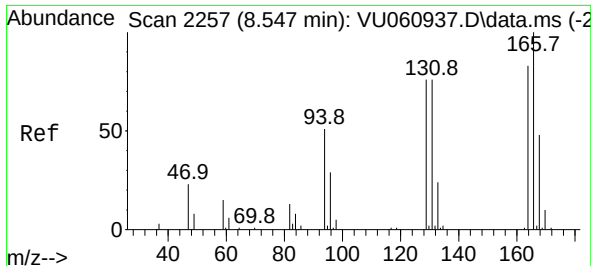
Tgt Ion: 63 Resp: 5348
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.090 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Tgt Ion: 91 Resp: 3537
Ion Ratio Lower Upper
91 100
92 47.5 40.5 75.3





#47

Tetrachloroethene

Concen: 1.530 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

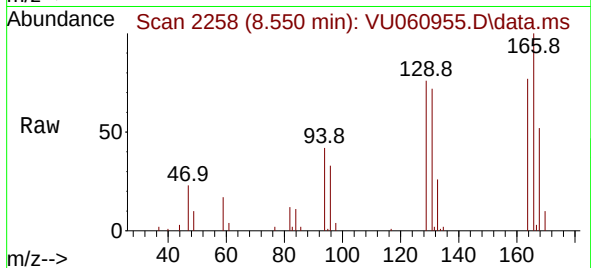
Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 11987

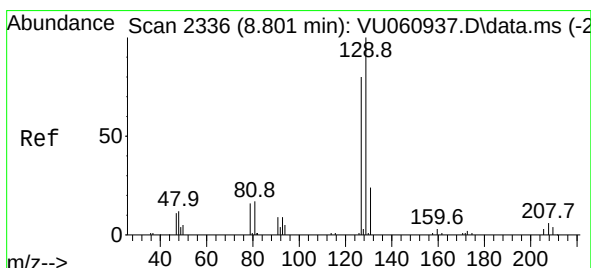
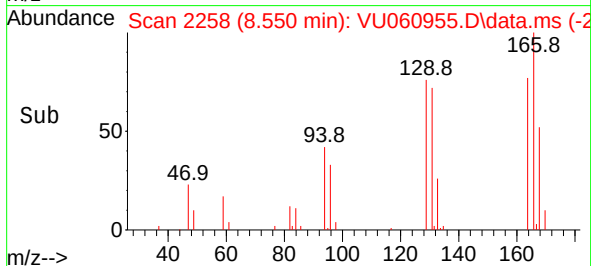
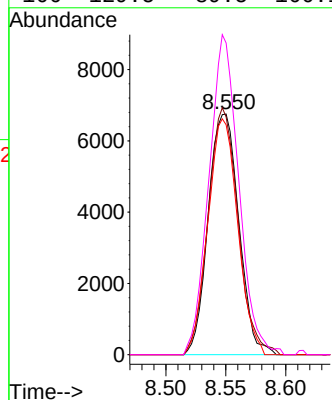
Ion Ratio Lower Upper

164 100

129 98.8 67.3 124.9

131 95.6 65.4 121.4

166 129.5 89.5 166.1



#49

Dibromochloromethane

Concen: 1.418 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060955.D

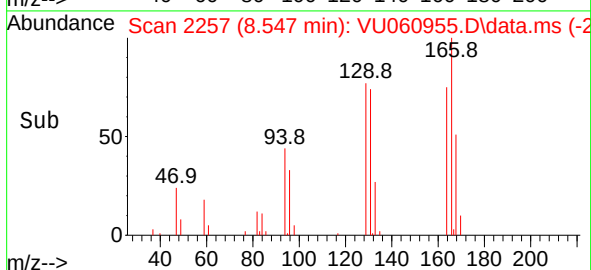
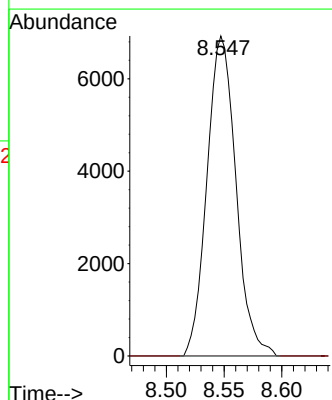
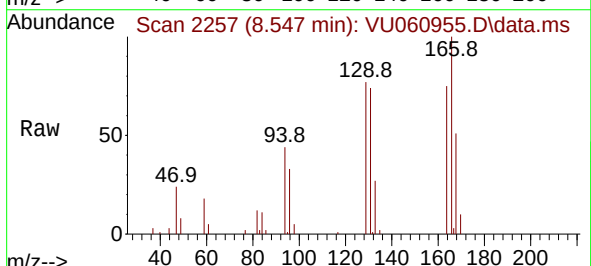
Acq: 20 Sep 2024 20:29

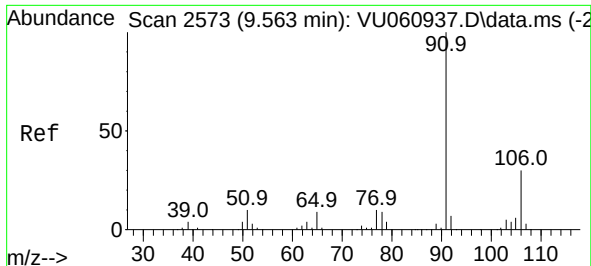
Tgt Ion:129 Resp: 12076

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#





#52

Ethylbenzene

Concen: 0.251 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

Instrument :

MSVOA_U

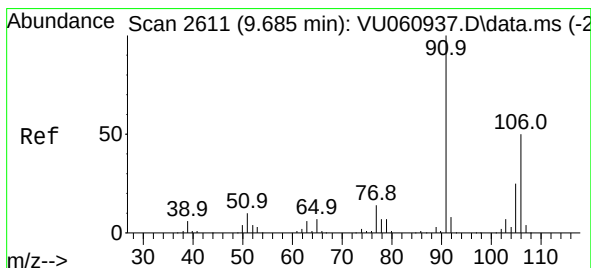
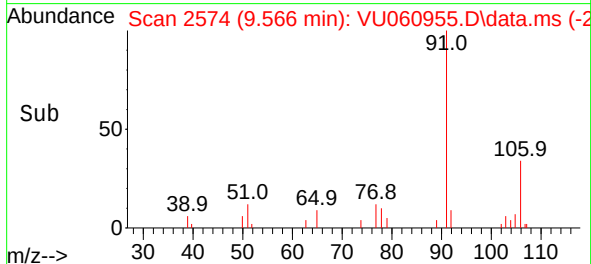
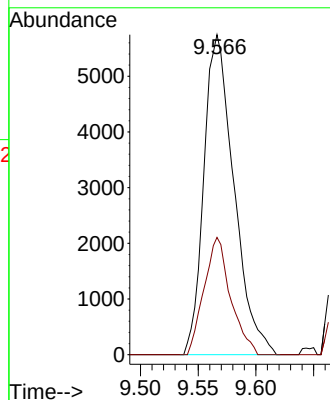
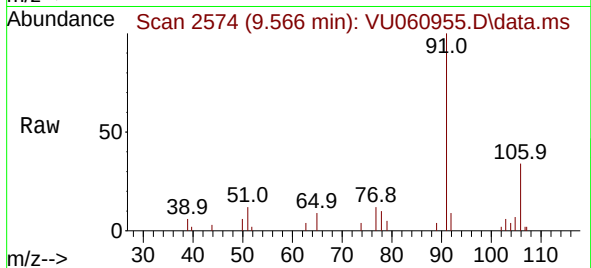
ClientSampleId :

Tgt Ion: 91 Resp: 10405

Ion Ratio Lower Upper

91 100

106 36.7 21.8 40.6



#53

m,p-Xylene

Concen: 0.940 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU060955.D

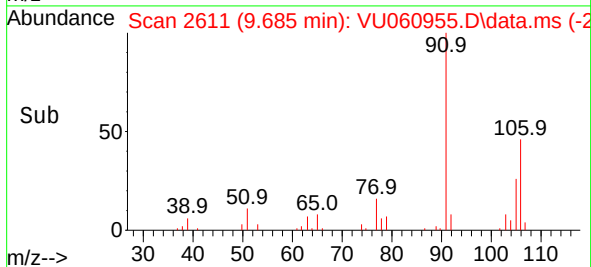
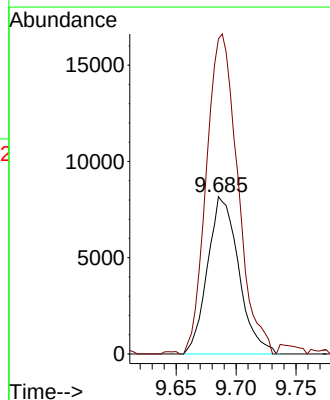
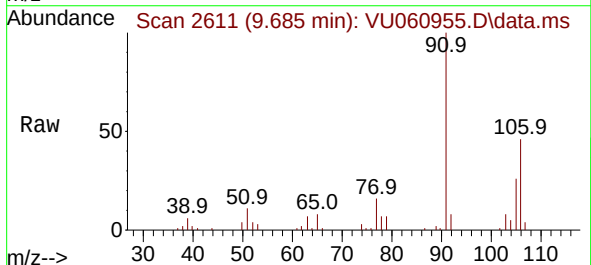
Acq: 20 Sep 2024 20:29

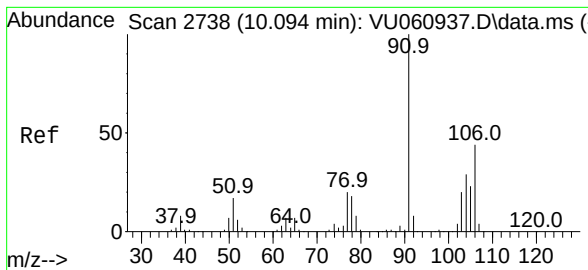
Tgt Ion:106 Resp: 14759

Ion Ratio Lower Upper

106 100

91 200.3 139.7 259.4





#54

o-Xylene

Concen: 0.612 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

Instrument :

MSVOA_U

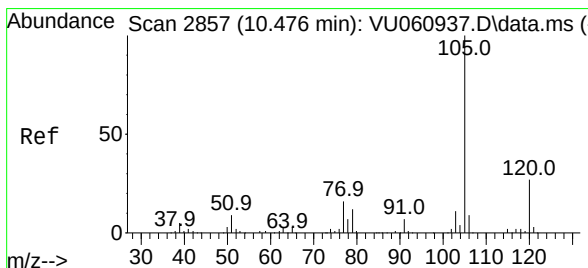
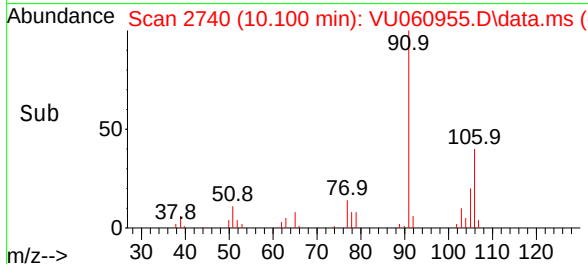
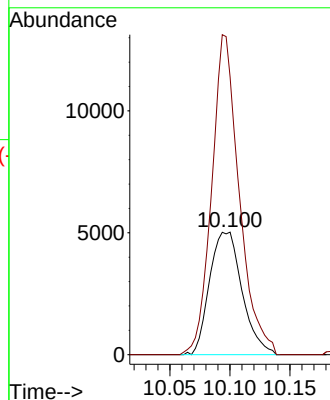
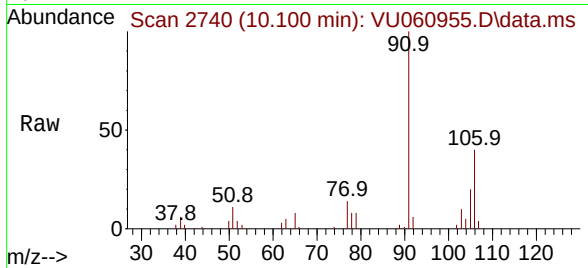
ClientSampleId :

Tgt Ion:106 Resp: 9477

Ion Ratio Lower Upper

106 100

91 226.4 148.6 276.0



#60

Isopropylbenzene

Concen: 0.159 ug/L

RT: 11.290 min Scan# 3110

Delta R.T. 0.813 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

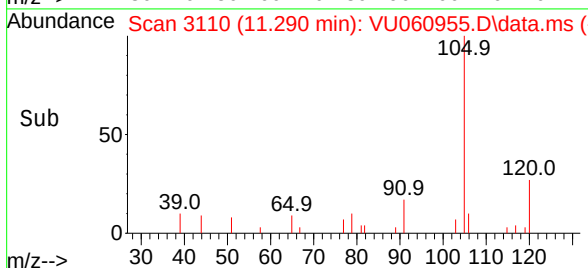
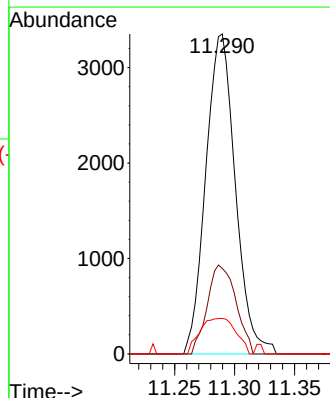
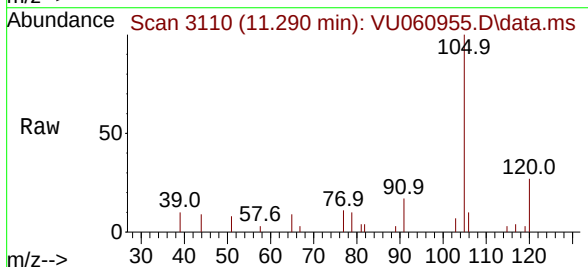
Tgt Ion:105 Resp: 5743

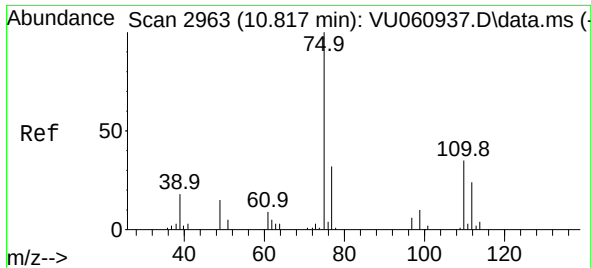
Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 13.5 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 2.130 ug/L

RT: 10.978 min Scan# 3013

Delta R.T. 0.161 min

Lab File: VU060955.D

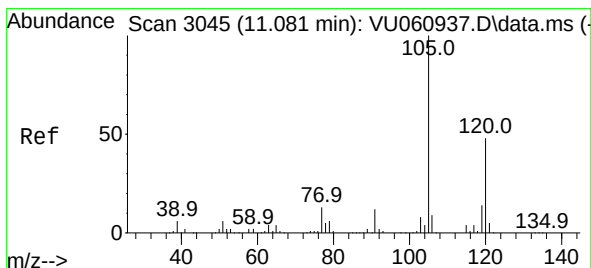
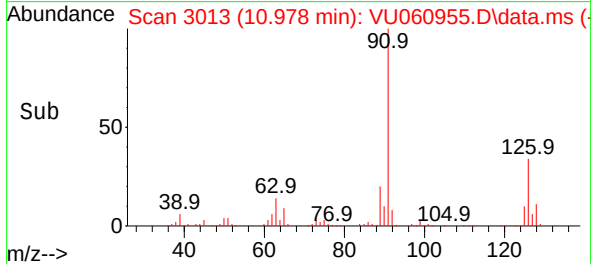
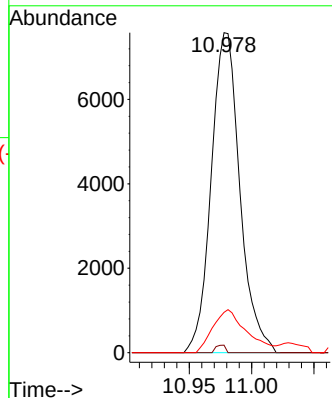
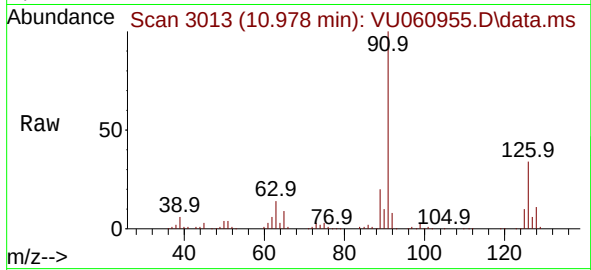
Acq: 20 Sep 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	75	Resp:	12120
Ion Ratio	Lower	Upper	
75	100		
110	0.8	28.6	43.0#
77	16.0	26.3	39.5#



#62

1,3,5-Trimethylbenzene

Concen: 0.203 ug/L

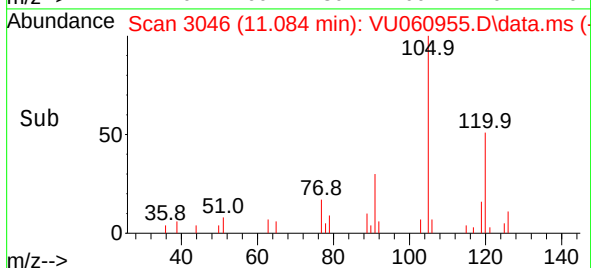
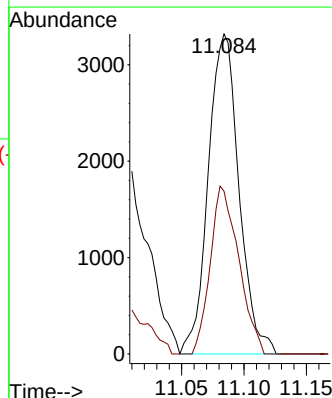
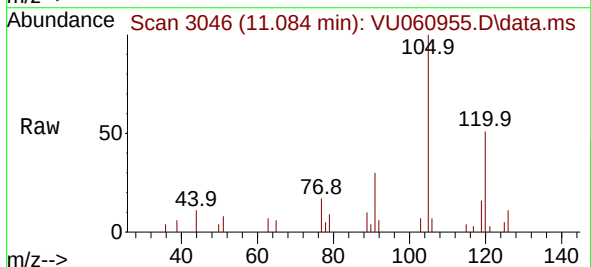
RT: 11.084 min Scan# 3046

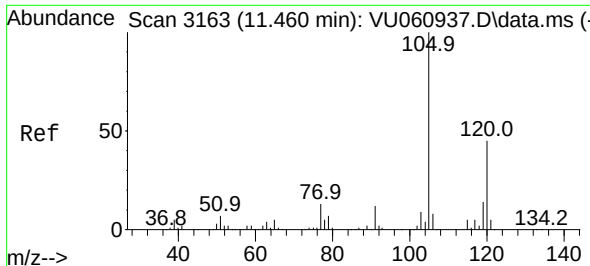
Delta R.T. 0.003 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

Tgt Ion:	105	Resp:	5703
Ion Ratio	Lower	Upper	
105	100		
120	48.5	38.5	57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.509 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

Instrument :

MSVOA_U

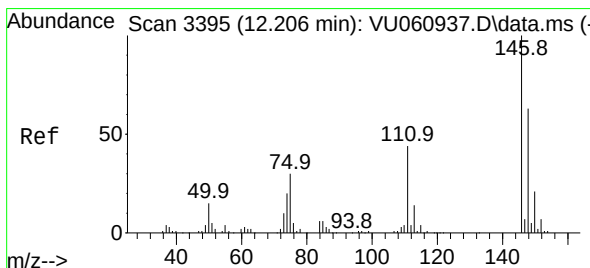
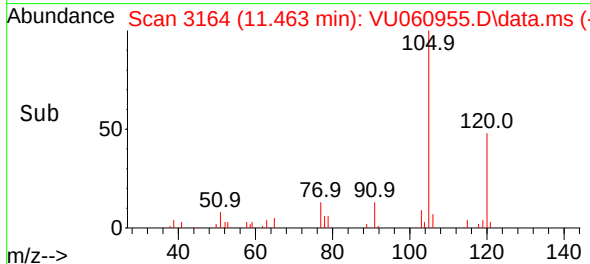
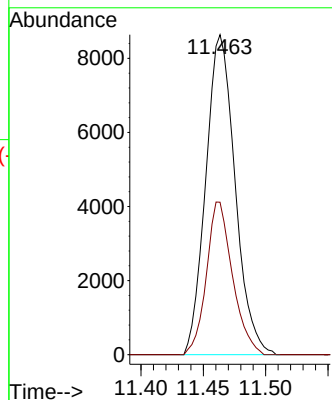
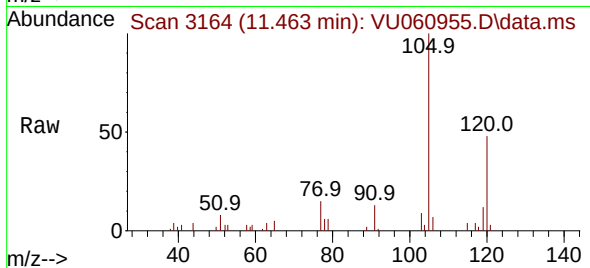
ClientSampleId :

Tgt Ion:105 Resp: 14126

Ion Ratio Lower Upper

105 100

120 42.5 36.1 54.1



#67

1,2-Dichlorobenzene

Concen: 0.138 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060955.D

Acq: 20 Sep 2024 20:29

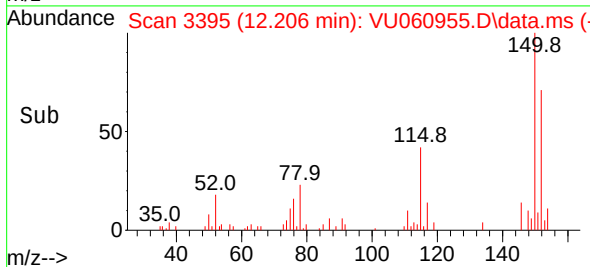
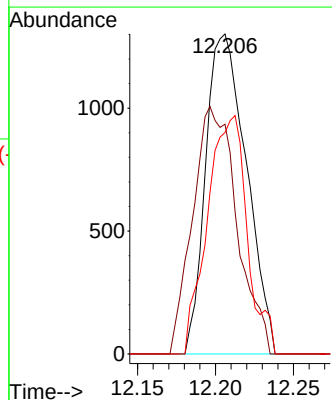
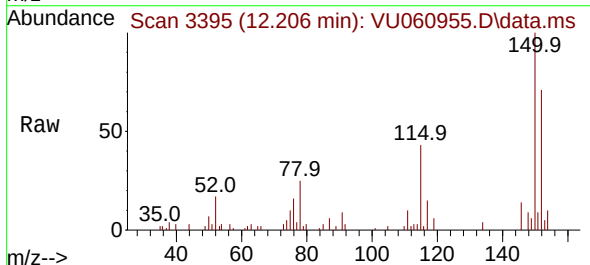
Tgt Ion:146 Resp: 2364

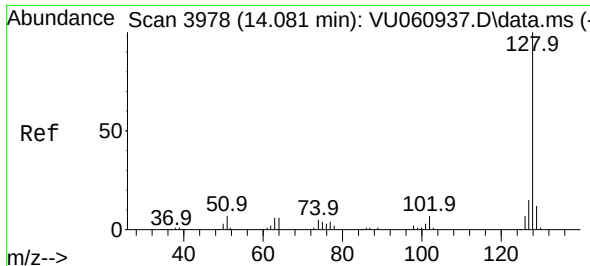
Ion Ratio Lower Upper

146 100

111 71.8 33.4 50.0#

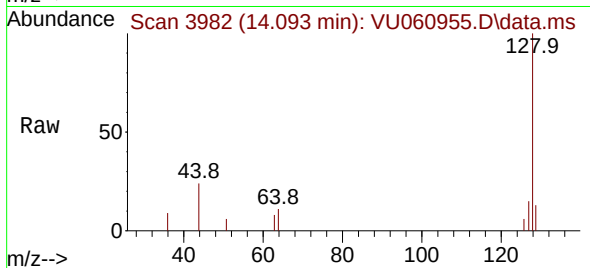
148 69.2 50.9 76.3



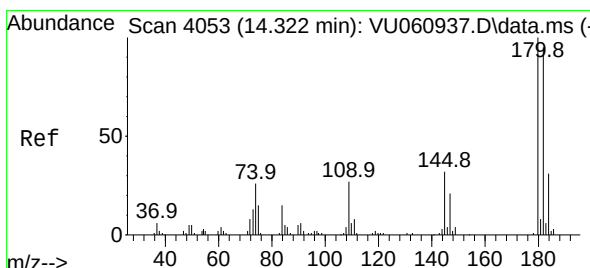
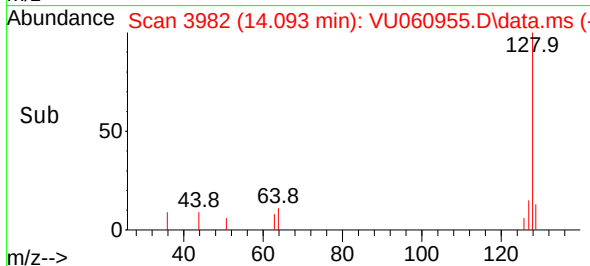
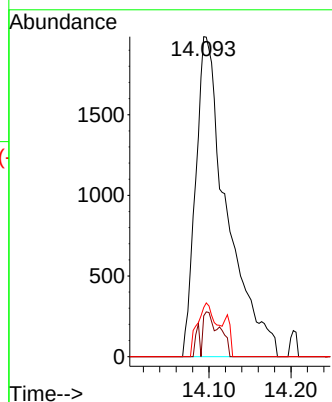


#71
Naphthalene
Concen: 0.414 ug/L
RT: 14.093 min Scan# 3982
Delta R.T. 0.013 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 5232
Ion Ratio Lower Upper
128 100
129 7.2 8.3 12.5#
127 10.4 10.7 16.1#



#72
1,2,3-Trichlorobenzene
Concen: 0.246 ug/L
RT: 14.335 min Scan# 4057
Delta R.T. 0.013 min
Lab File: VU060955.D
Acq: 20 Sep 2024 20:29

Tgt Ion:180 Resp: 2033
Ion Ratio Lower Upper
180 100
182 111.7 75.7 113.5
145 37.0 23.5 35.3#

