

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
 Data File : VU059702.D
 Acq On : 01 Jul 2024 22:29
 Operator : MD/SY
 Sample : P3121-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:55:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	214171	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	213839	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	118058	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	48283	3.242	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.800%
7) Chloroethane-d5	1.907	69	50561	3.528	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.600%
11) 1,1-Dichloroethene-d2	2.557	65	21457	3.473	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	4.634	46	157411	51.314	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.620%
24) Chloroform-d	5.055	84	119993	3.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
26) 1,2-Dichloroethane-d4	5.695	65	60696	4.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	5.717	84	242972	4.129	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.682	67	78717	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.891	98	220371	4.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.174	79	24857	4.402	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.627	63	147996	63.076	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.160%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	73568	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	97783	4.654	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	238063	11.034	ug/L	99
12) 1,1-Dichloroethene	2.573	96	3527	0.232	ug/L #	1
13) Acetone	2.653	43	12547	6.305	ug/L	60
15) Methyl Acetate	2.956	43	49252	9.379	ug/L	93
18) trans-1,2-Dichloroethene	3.351	96	5267	0.333	ug/L	82
21) 2-Butanone	4.721	43	19122	5.991	ug/L #	60
22) cis-1,2-Dichloroethene	4.653	96	4324131	248.339	ug/L	94
30) Cyclohexane	5.373	56	1956	0.090	ug/L #	78
33) Benzene	5.769	78	10922	0.168	ug/L	100
34) Trichloroethene	6.534	95	89067	5.065	ug/L	96
37) 1,2-Dichloropropane	6.682	63	8619	0.513	ug/L #	90
42) Toluene	7.965	91	20593	0.300	ug/L	99
47) Tetrachloroethene	8.547	164	24348	1.784	ug/L	91
48) 2-Hexanone	8.685	43	22501	4.049	ug/L #	97
49) Dibromochloromethane	8.547	129	21109	1.539	ug/L #	12
52) Ethylbenzene	9.566	91	52248	0.741	ug/L	95
53) m,p-Xylene	9.688	106	78318	2.891	ug/L	99
54) o-Xylene	10.097	106	19621	0.763	ug/L	90
60) Isopropylbenzene	11.286	105	19708	0.270	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration

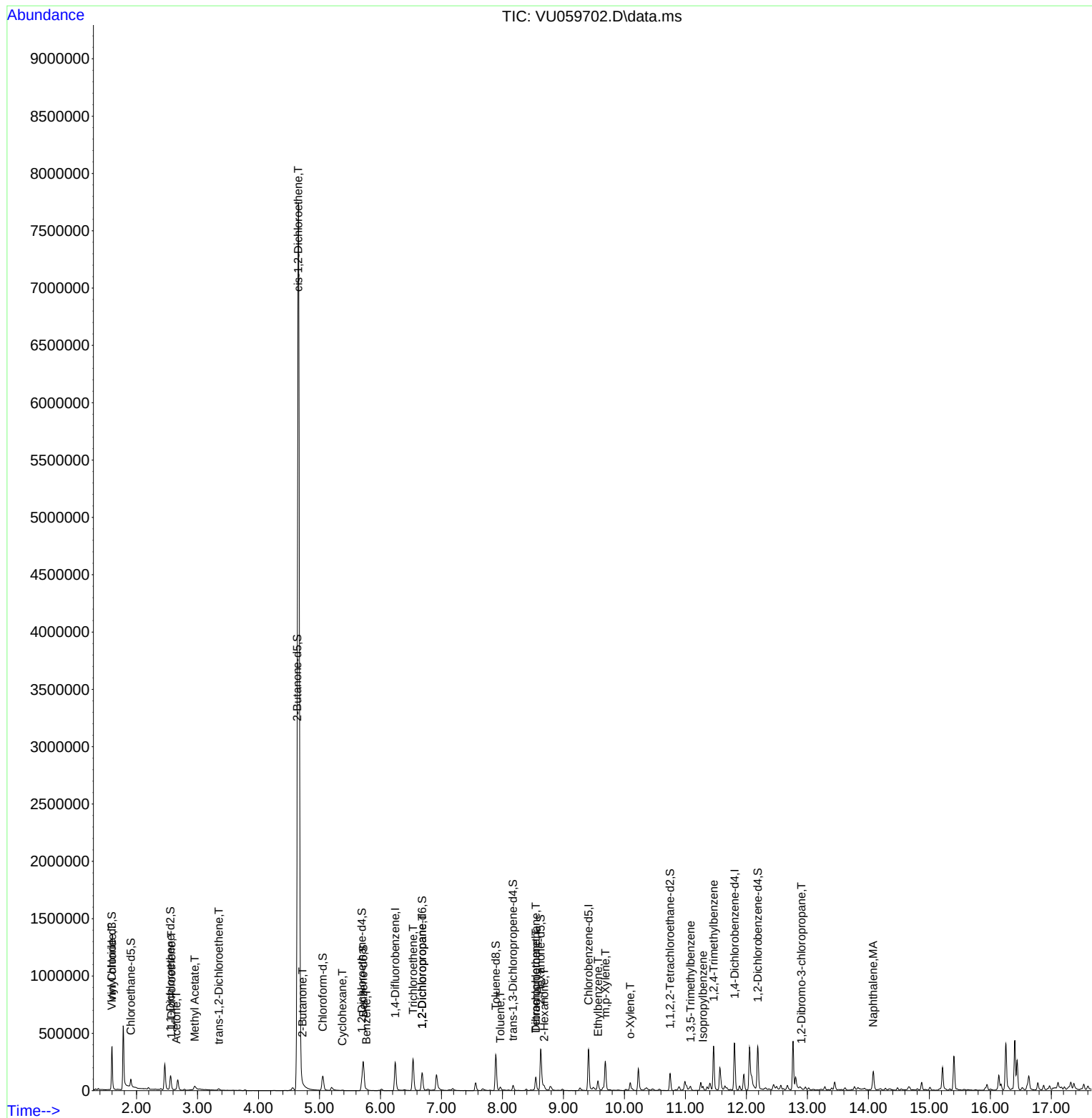
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.084	105	18533	0.321	ug/L	93
63) 1,2,4-Trimethylbenzene	11.463	105	89897	1.627	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.904	75	257	0.121	ug/L #	37
71) Naphthalene	14.080	128	135765	4.503	ug/L	98

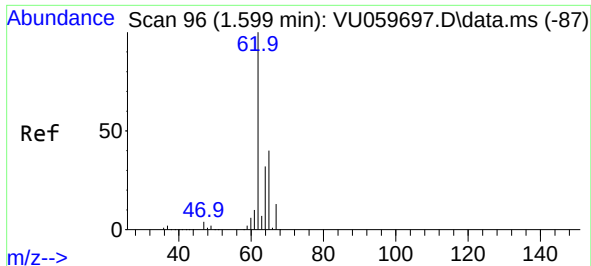
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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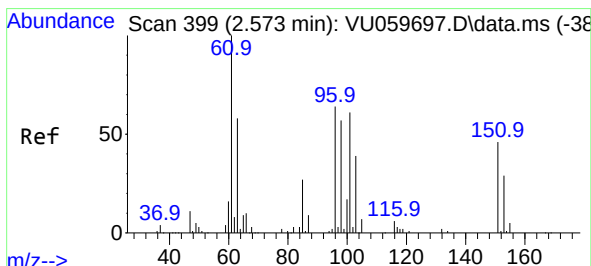
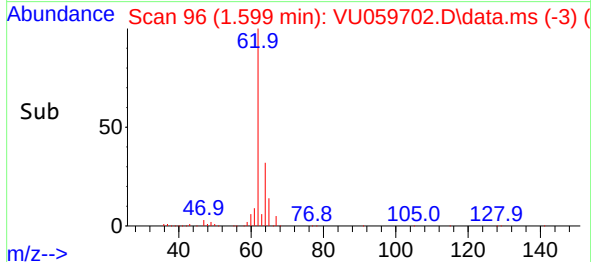
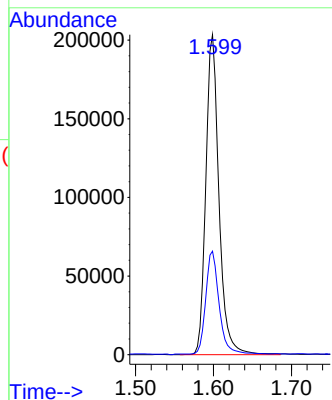
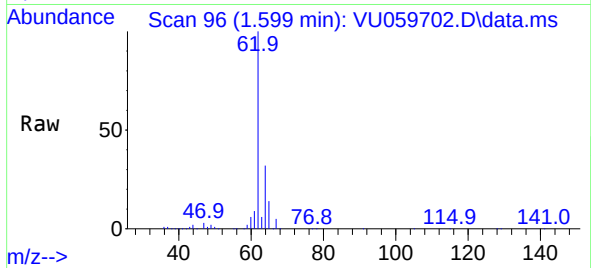




#5
Vinyl chloride
Concen: 11.034 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

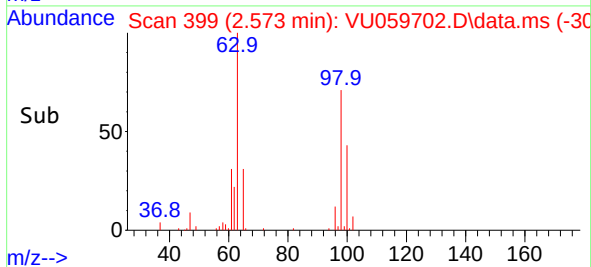
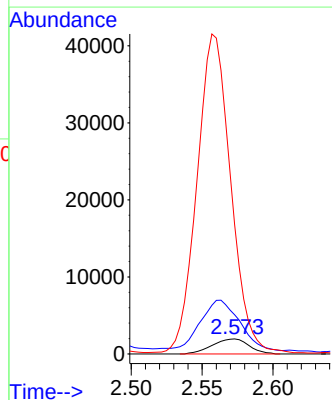
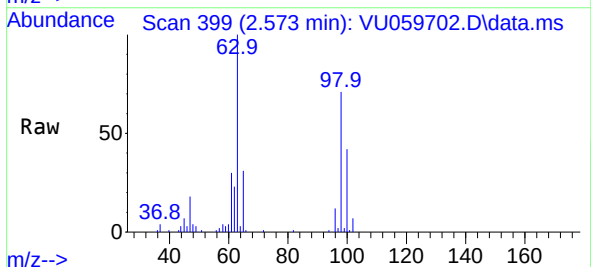
Instrument :
MSVOA_U
ClientSampleId :

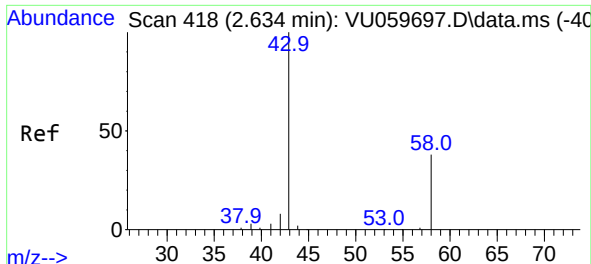
Tgt Ion: 62 Resp: 238063
Ion Ratio Lower Upper
62 100
64 32.3 23.1 42.9



#12
1,1-Dichloroethene
Concen: 0.232 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Tgt Ion: 96 Resp: 3527
Ion Ratio Lower Upper
96 100
61 261.7 122.9 228.3#
63 863.6 80.4 149.4#

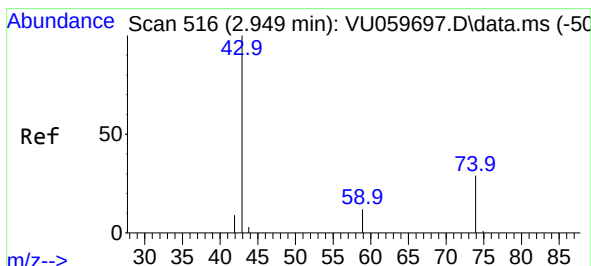
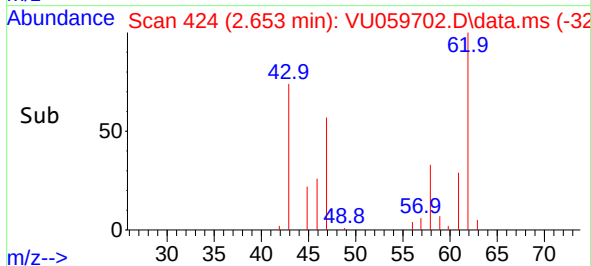
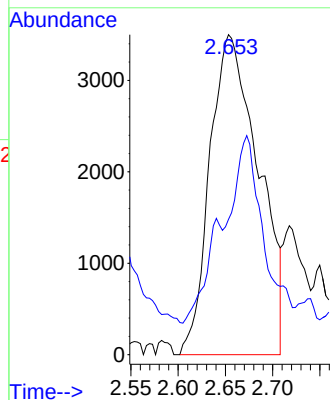
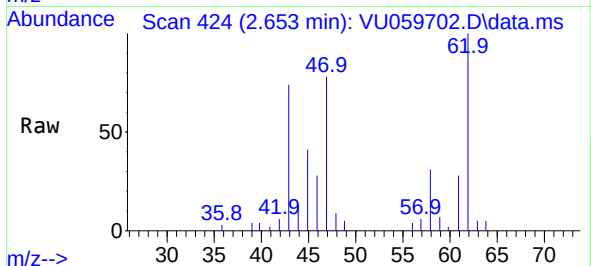




#13
Acetone
Concen: 6.305 ug/L
RT: 2.653 min Scan# 41
Delta R.T. 0.019 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

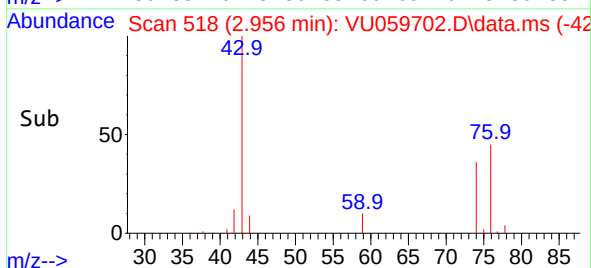
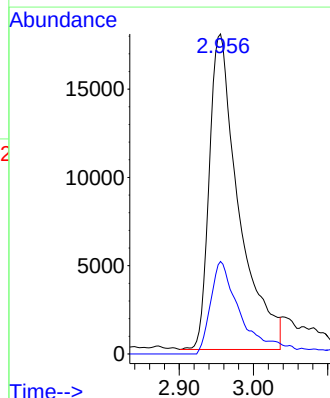
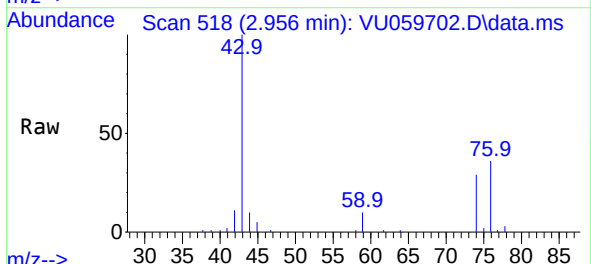
Instrument :
MSVOA_U
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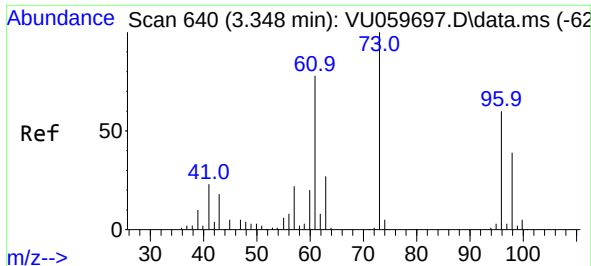
Tgt Ion: 43 Resp: 12547
Ion Ratio Lower Upper
43 100
58 11.2 0.0 68.0



#15
Methyl Acetate
Concen: 9.379 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.006 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

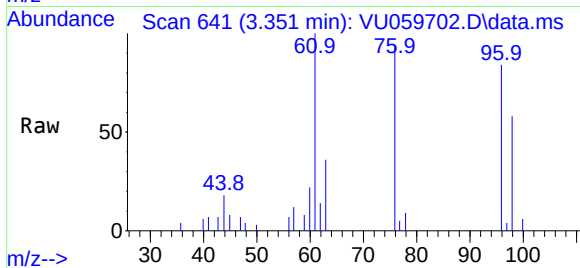
Tgt Ion: 43 Resp: 49252
Ion Ratio Lower Upper
43 100
74 27.7 19.2 28.8



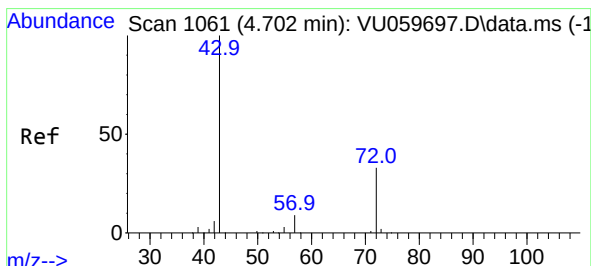
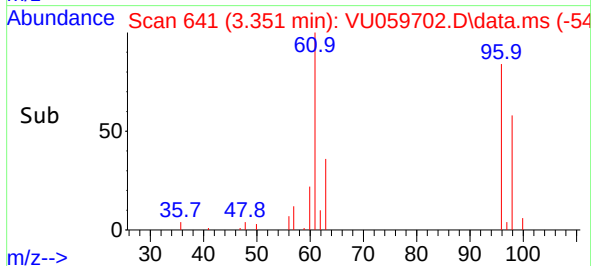
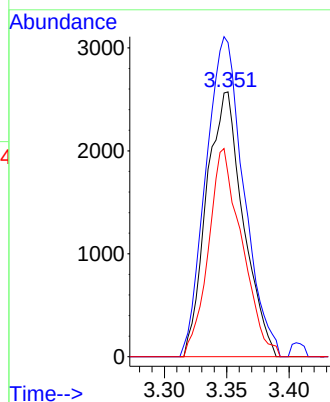


#18
trans-1,2-Dichloroethene
Concen: 0.333 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
MSVOA_U
ClientSampleId :

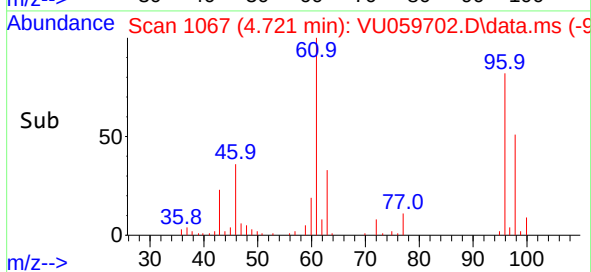
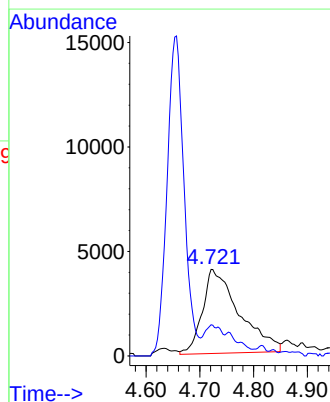
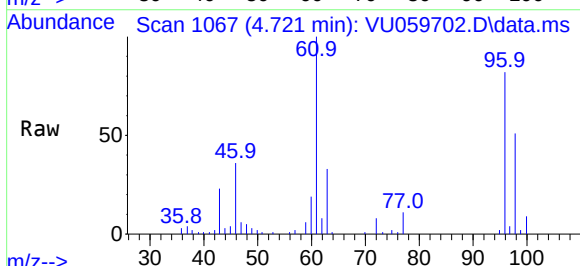


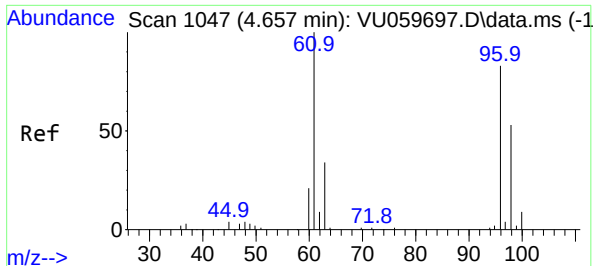
Tgt Ion: 96 Resp: 5267
Ion Ratio Lower Upper
96 100
61 118.6 101.8 189.0
98 68.9 43.3 80.5



#21
2-Butanone
Concen: 5.991 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.023 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

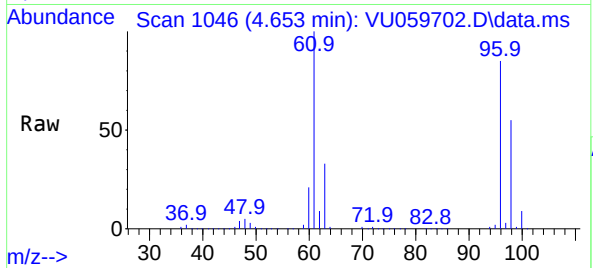
Tgt Ion: 43 Resp: 19122
Ion Ratio Lower Upper
43 100
72 6.8 13.8 41.4#





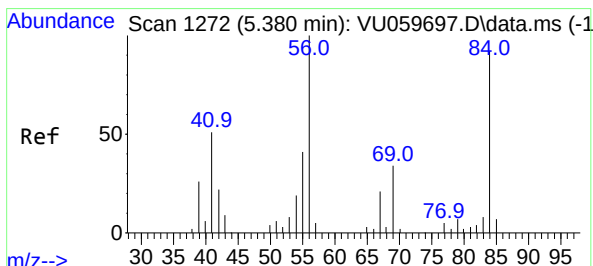
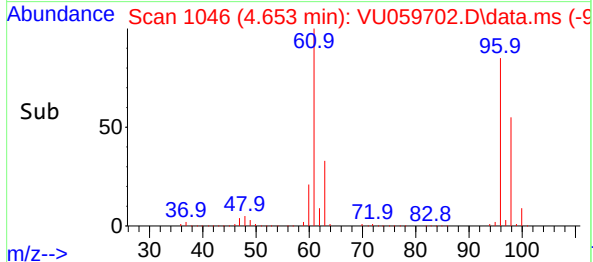
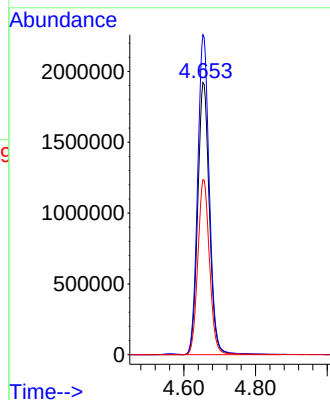
#22
 cis-1,2-Dichloroethene
 Concen: 248.339 ug/L
 RT: 4.653 min Scan# 1047
 Delta R.T. -0.006 min
 Lab File: VU059702.D
 Acq: 01 Jul 2024 22:29

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 4324131

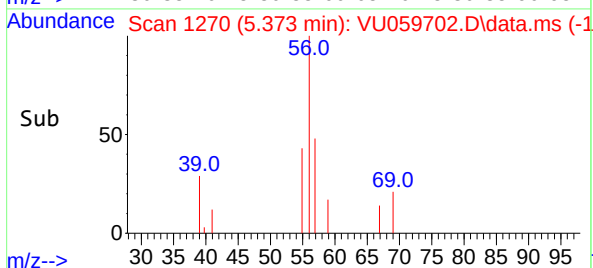
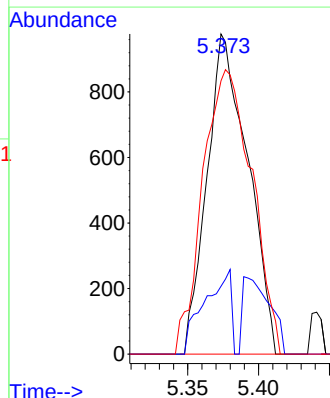
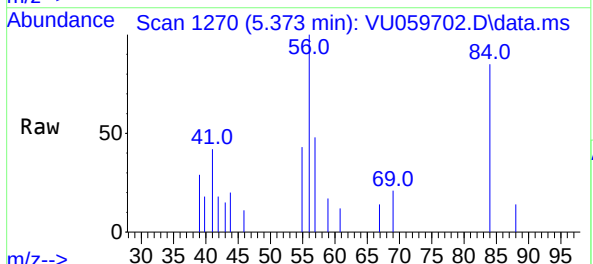
Ion	Ratio	Lower	Upper
96	100		
61	117.6	87.4	162.2
98	64.3	42.3	78.5

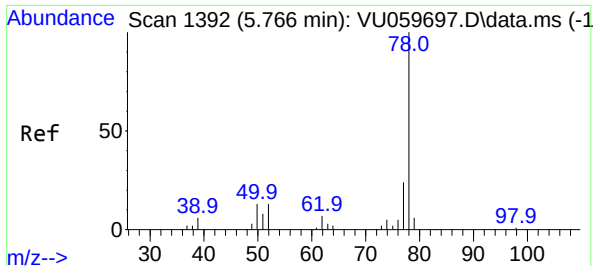


#30
 Cyclohexane
 Concen: 0.090 ug/L
 RT: 5.373 min Scan# 1270
 Delta R.T. -0.006 min
 Lab File: VU059702.D
 Acq: 01 Jul 2024 22:29

Tgt Ion: 56 Resp: 1956

Ion	Ratio	Lower	Upper
56	100		
69	17.1	24.8	37.2#
84	106.4	69.8	104.8#

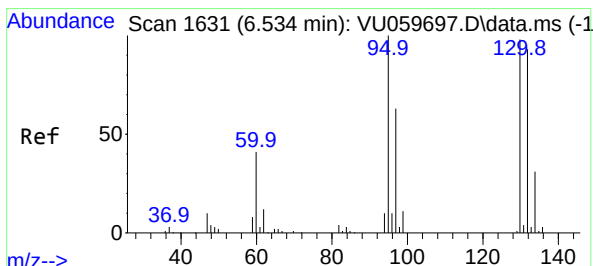
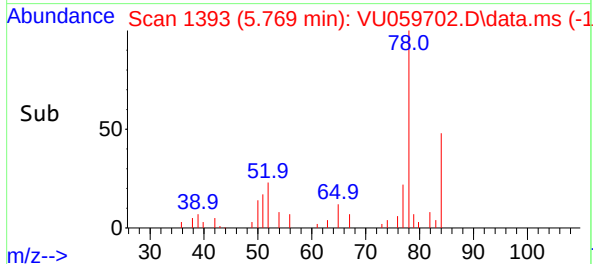
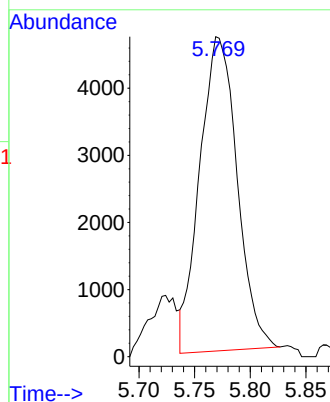
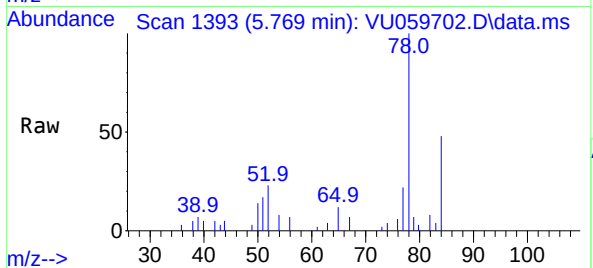




#33
Benzene
Concen: 0.168 ug/L
RT: 5.769 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
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ClientSampleId :

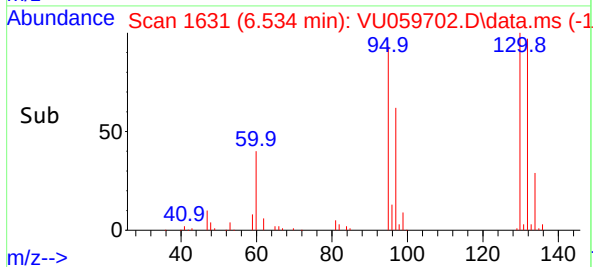
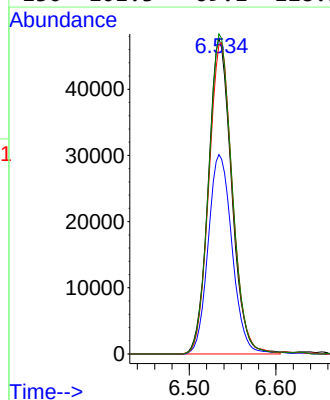
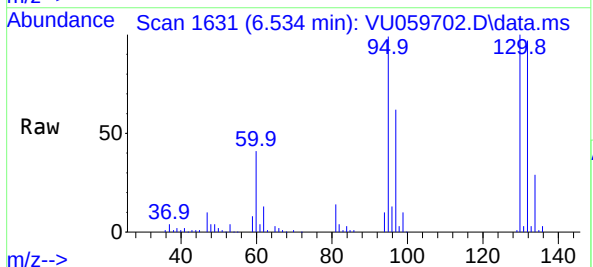
Tgt Ion: 78 Resp: 10922

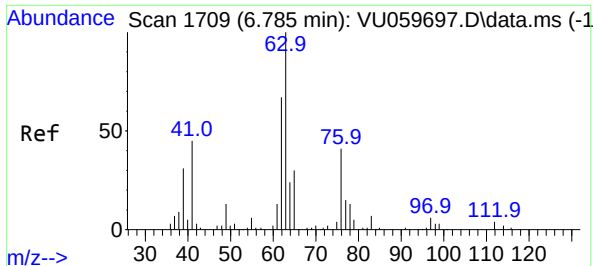


#34
Trichloroethene
Concen: 5.065 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
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Tgt Ion: 95 Resp: 89067

Ion	Ratio	Lower	Upper
95	100		
97	63.1	45.3	84.1
132	97.8	64.0	119.0
130	101.3	69.1	128.3

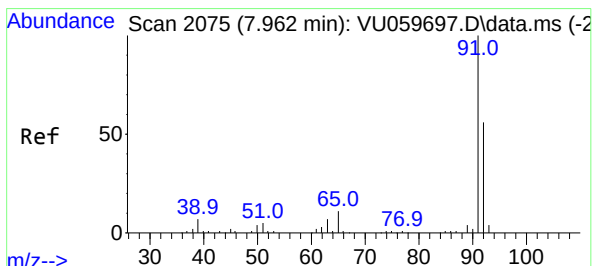
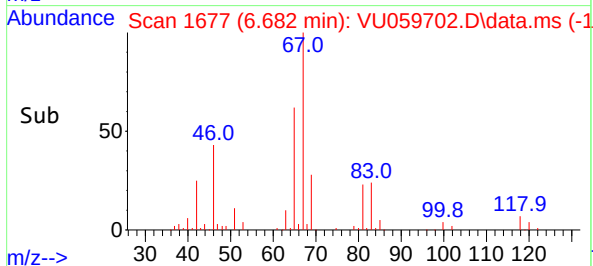
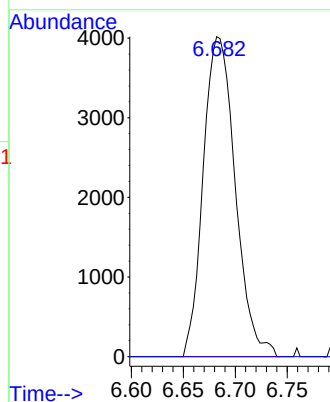
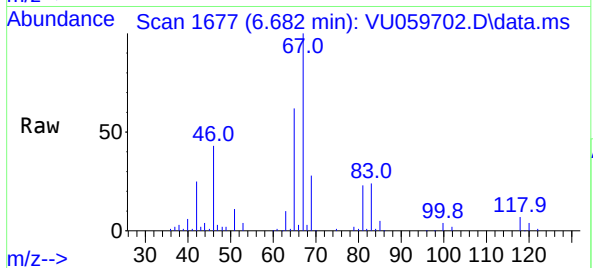




#37
1,2-Dichloropropane
Concen: 0.513 ug/L
RT: 6.682 min Scan# 11
Delta R.T. -0.103 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

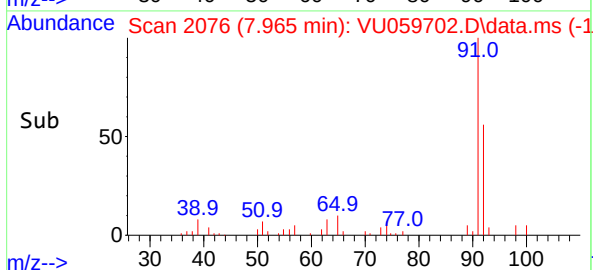
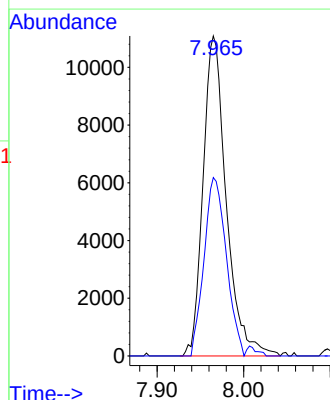
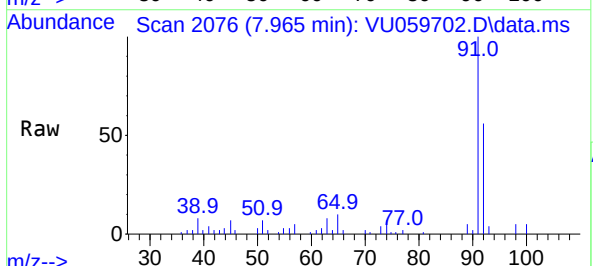
Instrument :
MSVOA_U
ClientSampleId :

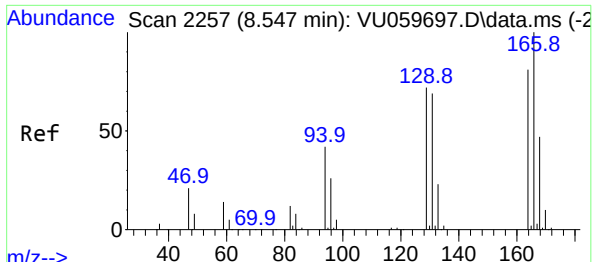
Tgt Ion: 63 Resp: 8619
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#42
Toluene
Concen: 0.300 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

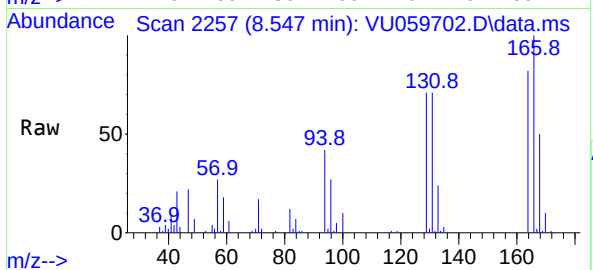
Tgt Ion: 91 Resp: 20593
Ion Ratio Lower Upper
91 100
92 55.8 39.7 73.7





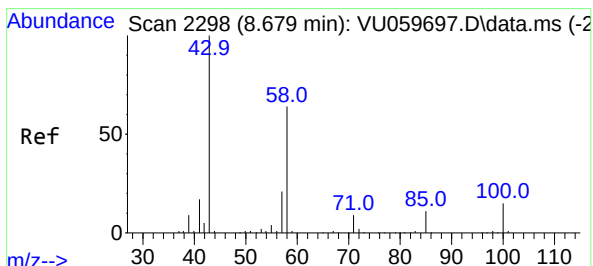
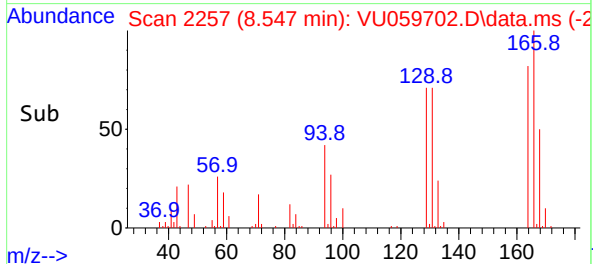
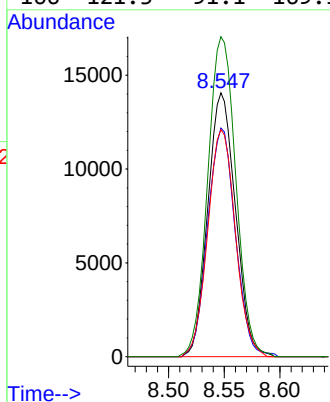
#47
Tetrachloroethene
Concen: 1.784 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 24348

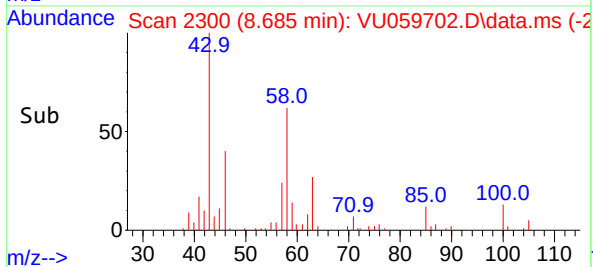
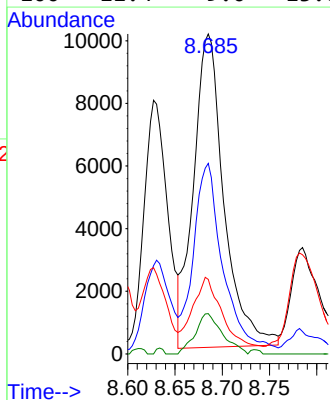
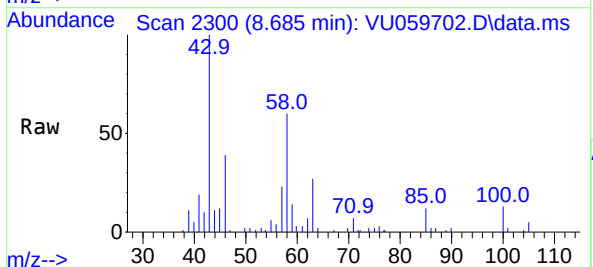
Ion	Ratio	Lower	Upper
164	100		
129	86.7	70.8	131.4
131	86.1	64.8	120.3
166	121.3	91.1	169.1

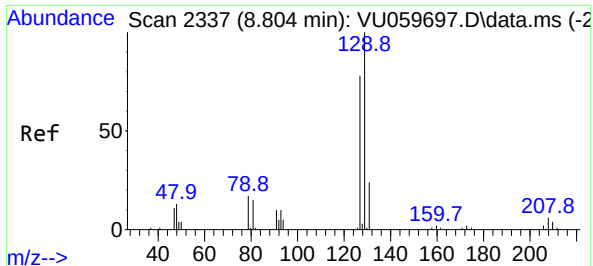


#48
2-Hexanone
Concen: 4.049 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.010 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Tgt Ion: 43 Resp: 22501

Ion	Ratio	Lower	Upper
43	100		
58	58.5	46.1	69.1
57	23.3	15.5	23.3#
100	11.4	9.0	13.6

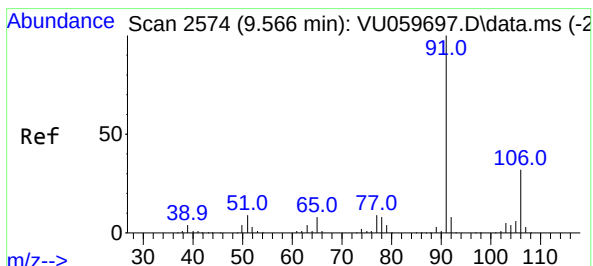
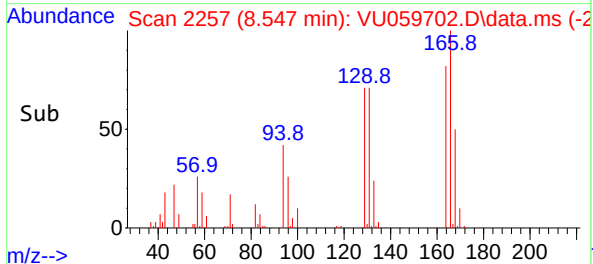
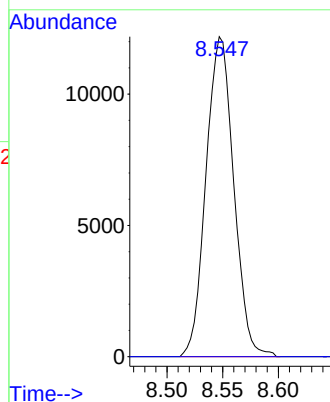
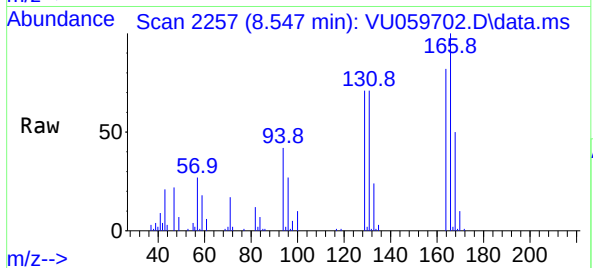




#49
Dibromochloromethane
Concen: 1.539 ug/L
RT: 8.547 min Scan# 21109
Delta R.T. -0.254 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

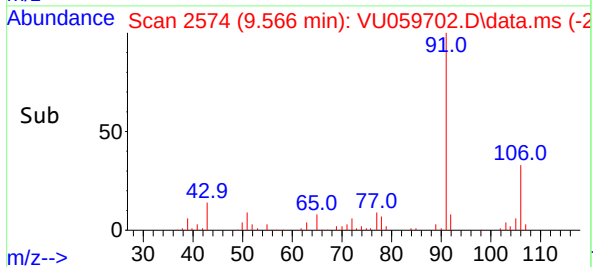
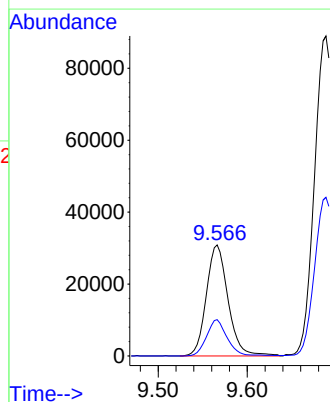
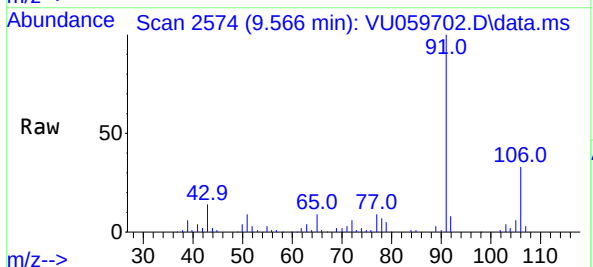
Instrument :
MSVOA_U
ClientSampleId :

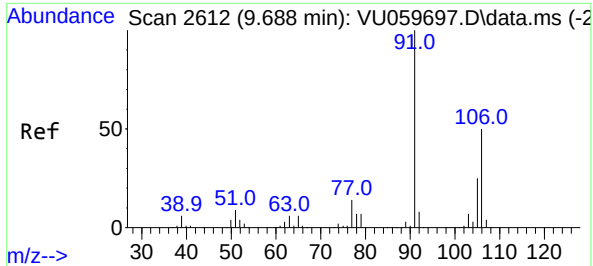
Tgt Ion:129 Resp: 21109
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#



#52
Ethylbenzene
Concen: 0.741 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Tgt Ion: 91 Resp: 52248
Ion Ratio Lower Upper
91 100
106 32.7 20.9 38.7

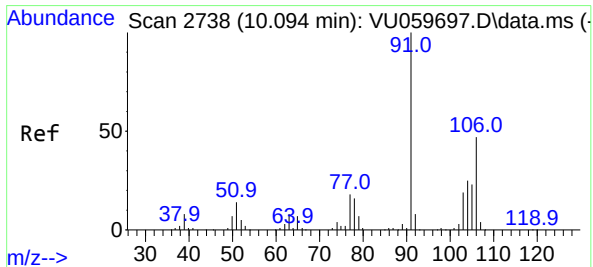
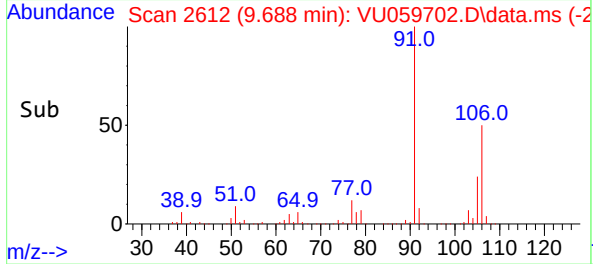
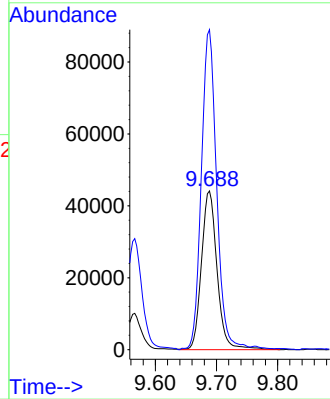
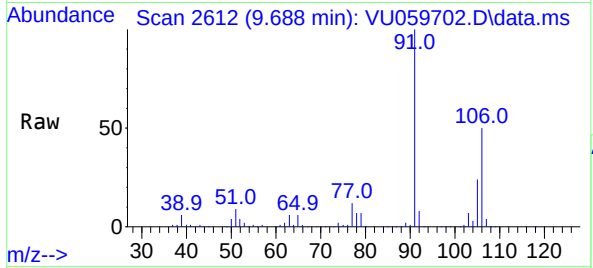




#53
m,p-Xylene
Concen: 2.891 ug/L
RT: 9.688 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

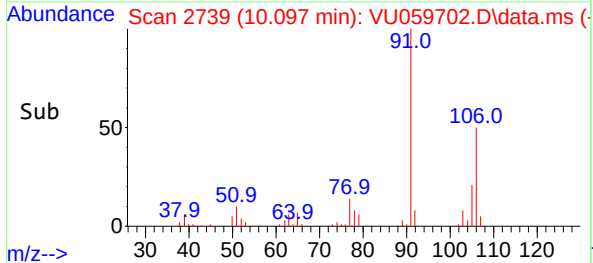
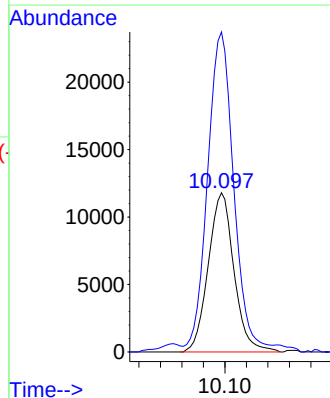
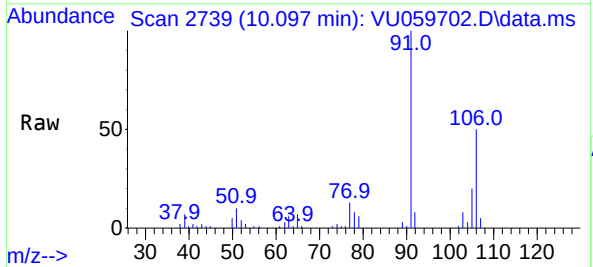
Instrument :
MSVOA_U
ClientSampleId :

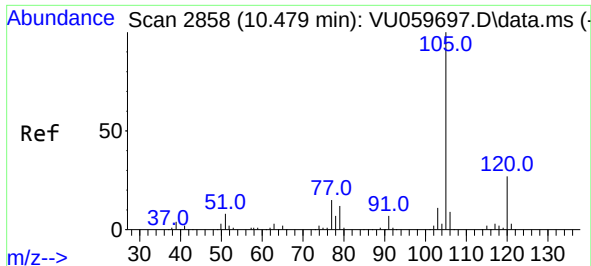
Tgt Ion:106 Resp: 78318
Ion Ratio Lower Upper
106 100
91 201.5 142.0 263.8



#54
o-Xylene
Concen: 0.763 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

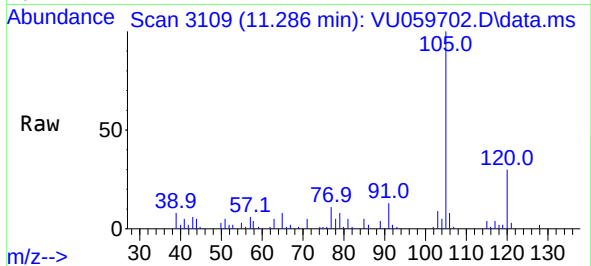
Tgt Ion:106 Resp: 19621
Ion Ratio Lower Upper
106 100
91 200.9 151.6 281.6



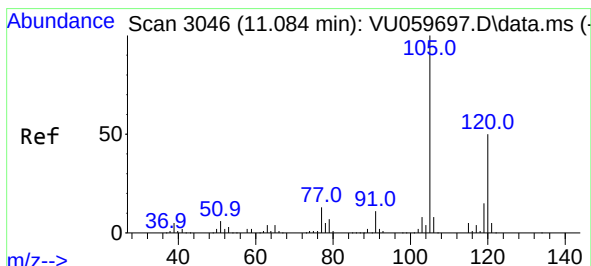
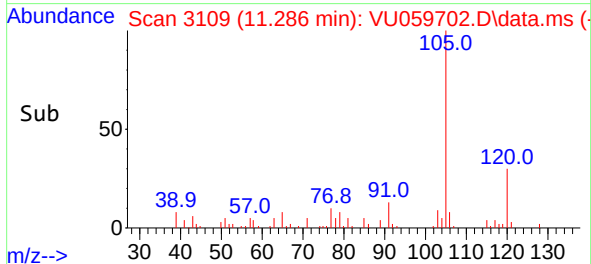
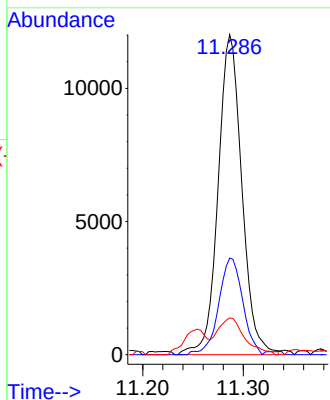


#60
Isopropylbenzene
Concen: 0.270 ug/L
RT: 11.286 min Scan# 3109
Delta R.T. 0.807 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
MSVOA_U
ClientSampleId :

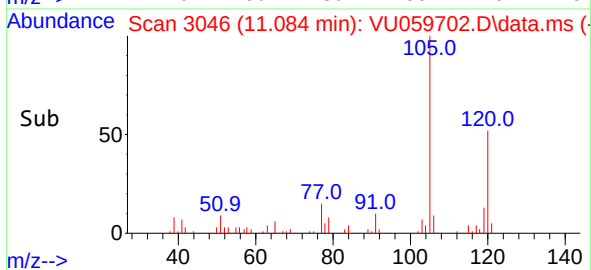
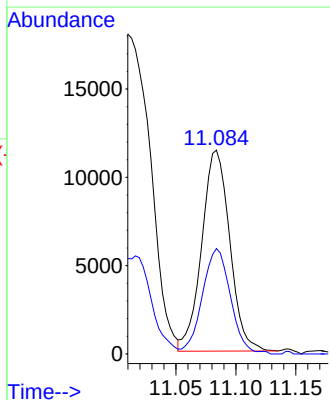
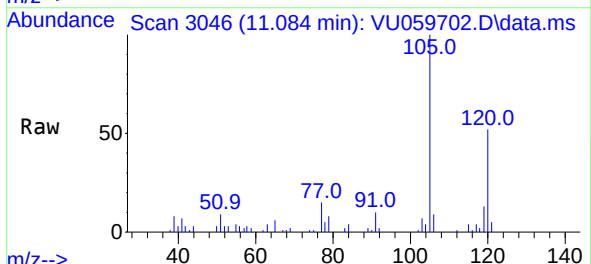


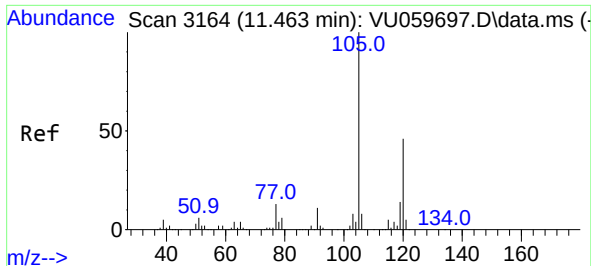
Tgt Ion:105 Resp: 19708
Ion Ratio Lower Upper
105 100
120 30.4 20.6 31.0
77 12.9 12.8 19.2



#62
1,3,5-Trimethylbenzene
Concen: 0.321 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

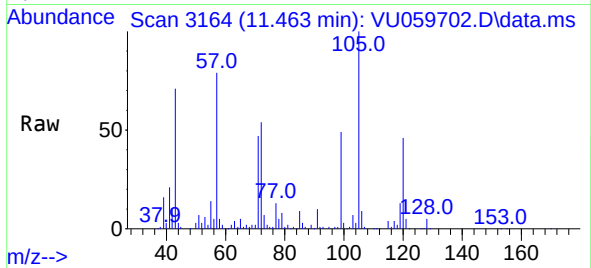
Tgt Ion:105 Resp: 18533
Ion Ratio Lower Upper
105 100
120 52.8 38.2 57.4



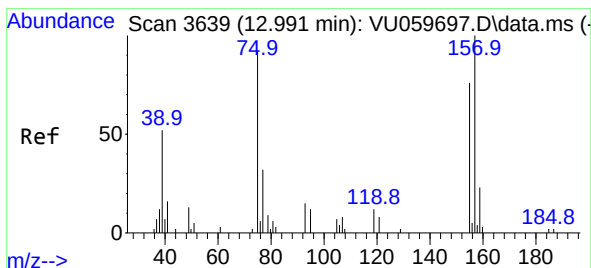
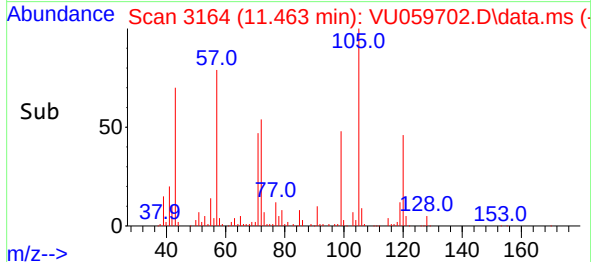
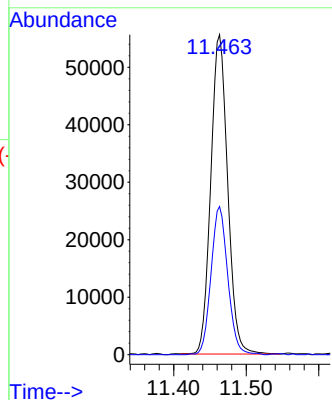


#63
1,2,4-Trimethylbenzene
Concen: 1.627 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
MSVOA_U
ClientSampleId :

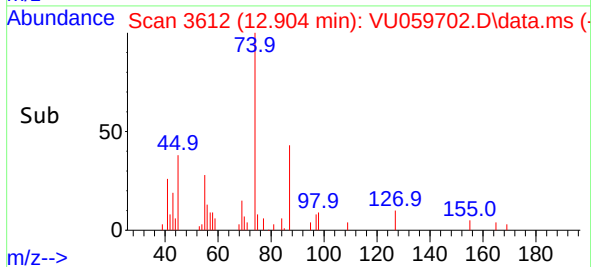
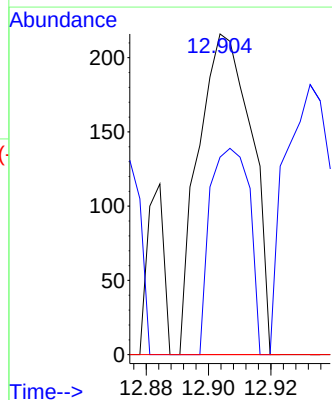
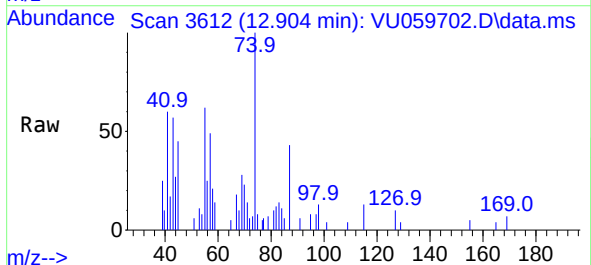


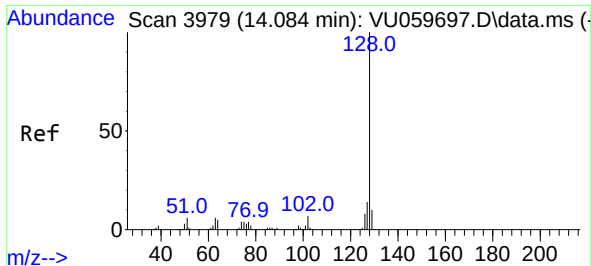
Tgt Ion:105 Resp: 89897
Ion Ratio Lower Upper
105 100
120 46.0 35.4 53.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.121 ug/L
RT: 12.904 min Scan# 3612
Delta R.T. -0.087 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

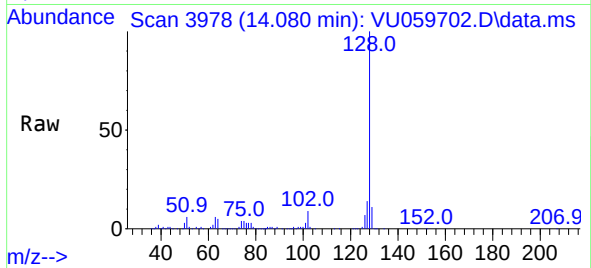
Tgt Ion: 75 Resp: 257
Ion Ratio Lower Upper
75 100
155 61.6 58.2 87.2
157 0.0 80.0 120.0#





#71
Naphthalene
Concen: 4.503 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU059702.D
Acq: 01 Jul 2024 22:29

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 135765
Ion Ratio Lower Upper
128 100
129 11.0 8.2 12.4
127 13.6 10.2 15.4

