

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
 Data File : VU059709.D
 Acq On : 02 Jul 2024 01:16
 Operator : MD/SY
 Sample : P3121-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:56:12 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	211411	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	208062	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	113262	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33868	2.304	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	46.000%	
7) Chloroethane-d5	1.907	69	39376	2.784	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	55.600%#	
11) 1,1-Dichloroethene-d2	2.560	65	17095	2.803	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	56.000%#	
20) 2-Butanone-d5	4.631	46	147441	48.691	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	97.380%	
24) Chloroform-d	5.055	84	108293	3.589	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	71.800%	
26) 1,2-Dichloroethane-d4	5.695	65	55571	3.823	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.400%	
32) Benzene-d6	5.717	84	210148	3.670	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	73.400%	
36) 1,2-Dichloropropane-d6	6.682	67	68710	3.916	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	78.400%	
41) Toluene-d8	7.891	98	188950	3.549	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	71.000%	
43) trans-1,3-Dichloroprop...	8.177	79	21528	3.918	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.400%	
46) 2-Hexanone-d5	8.627	63	128347	56.220	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.440%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	65644	4.528	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.600%	
66) 1,2-Dichlorobenzene-d4	12.187	152	86296	4.281	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	85.600%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	66877	3.140	ug/L	99
12) 1,1-Dichloroethene	2.576	96	3998	0.267	ug/L #	1
13) Acetone	2.650	43	22465	11.437	ug/L	79
14) Carbon disulfide	2.788	76	12974	0.259	ug/L	100
15) Methyl Acetate	2.952	43	55438	10.695	ug/L	94
18) trans-1,2-Dichloroethene	3.348	96	4759	0.305	ug/L	84
22) cis-1,2-Dichloroethene	4.653	96	6716190	390.753	ug/L	95
34) Trichloroethene	6.534	95	69622	4.069	ug/L	97
35) Methylcyclohexane	6.685	83	16624	0.683	ug/L #	29
37) 1,2-Dichloropropane	6.682	63	7486	0.458	ug/L #	90
47) Tetrachloroethene	8.547	164	30657	2.309	ug/L	95
49) Dibromochloromethane	8.547	129	28141	2.108	ug/L #	12
52) Ethylbenzene	9.566	91	6313	0.092	ug/L	93
53) m,p-Xylene	9.688	106	9032	0.343	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	12578	1.202	ug/L #	70
63) 1,2,4-Trimethylbenzene	11.466	105	8003	0.151	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.900	75	397	0.194	ug/L #	6
71) Naphthalene	14.090	128	5941	0.205	ug/L #	94

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

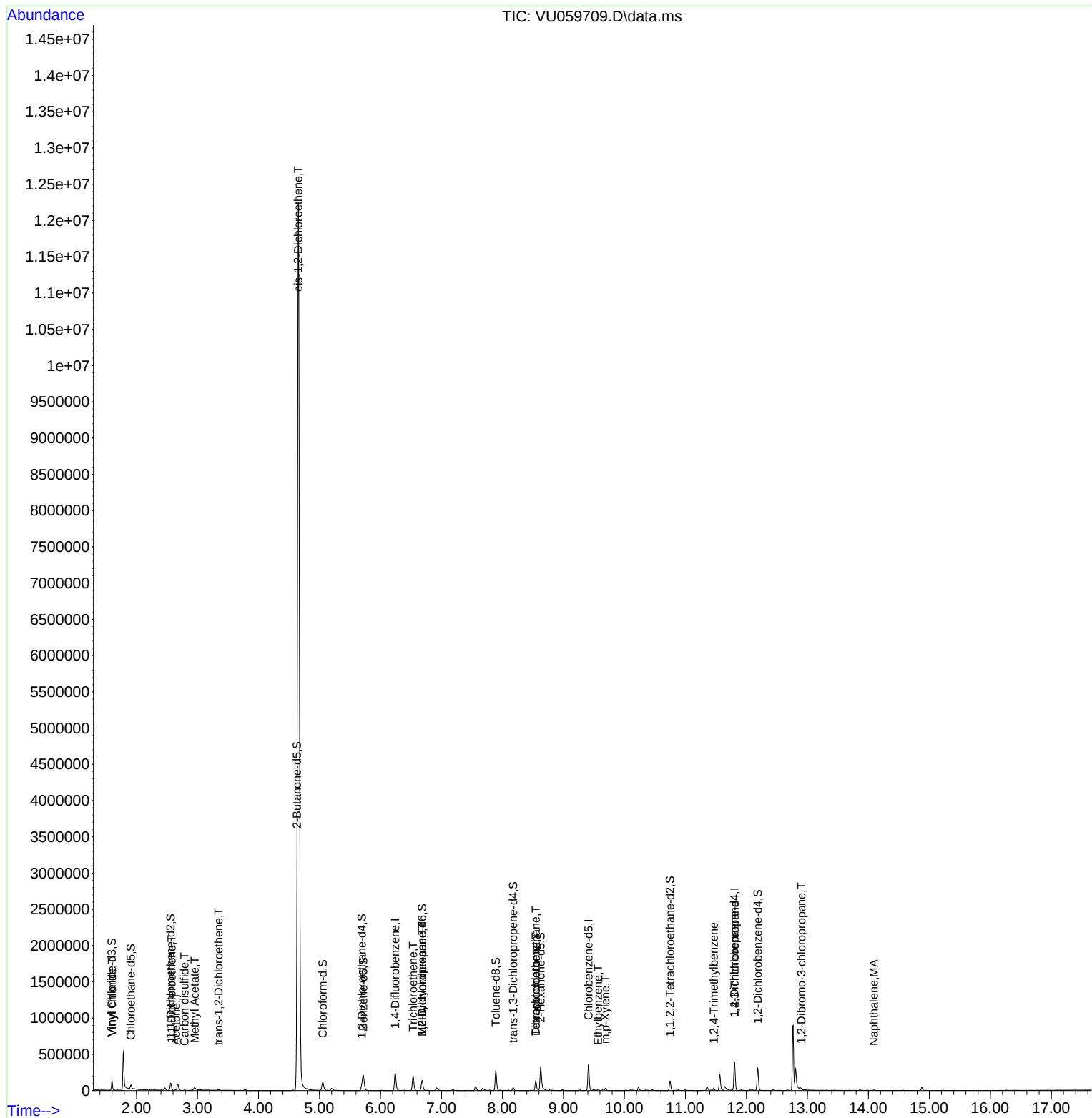
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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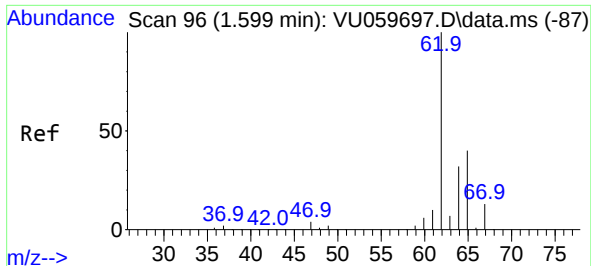
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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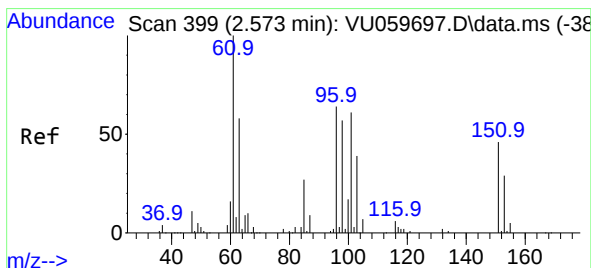
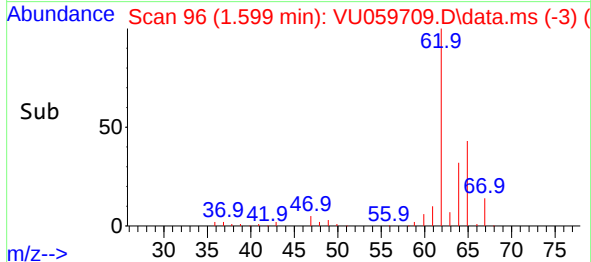
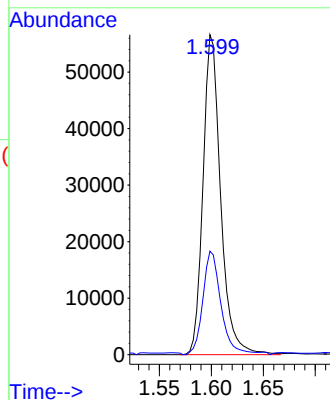
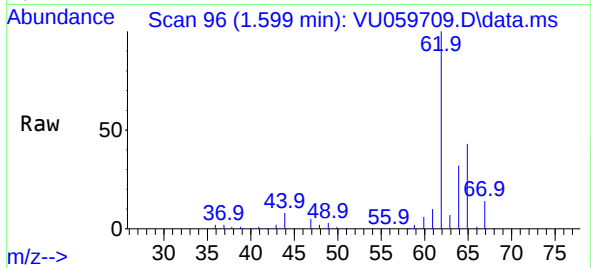




#5
 Vinyl chloride
 Concen: 3.140 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU059709.D
 Acq: 02 Jul 2024 01:16

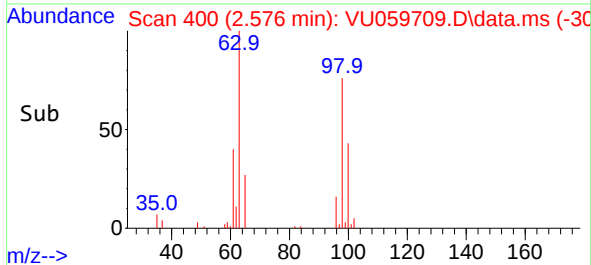
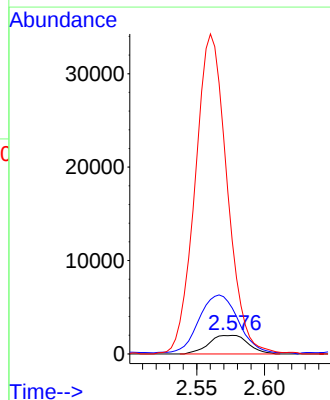
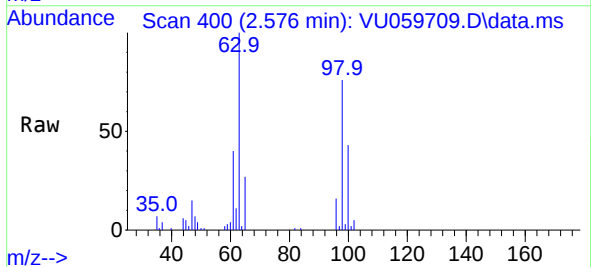
Instrument :
 MSVOA_U
 ClientSampleId :

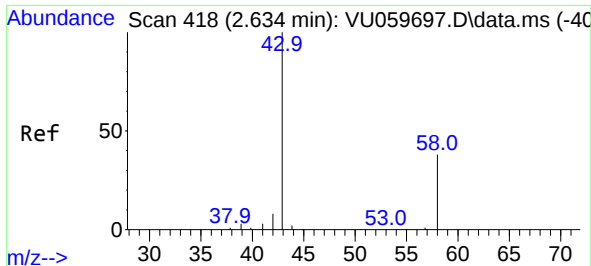
Tgt Ion: 62 Resp: 66877
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#12
 1,1-Dichloroethene
 Concen: 0.267 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU059709.D
 Acq: 02 Jul 2024 01:16

Tgt Ion: 96 Resp: 3998
 Ion Ratio Lower Upper
 96 100
 61 246.2 122.9 228.3#
 63 608.8 80.4 149.4#





#13

Acetone

Concen: 11.437 ug/L

RT: 2.650 min Scan# 418

Delta R.T. 0.016 min

Lab File: VU059709.D

Acq: 02 Jul 2024 01:16

Instrument :

MSVOA_U

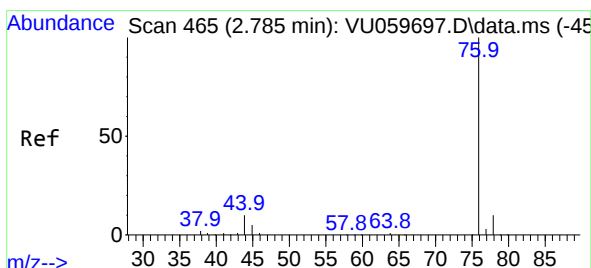
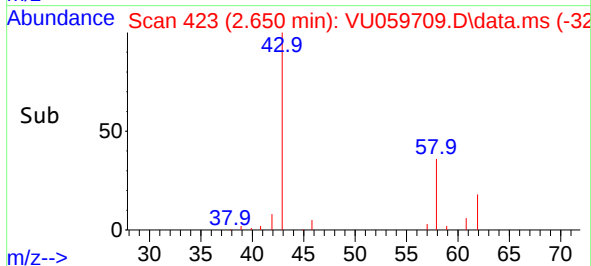
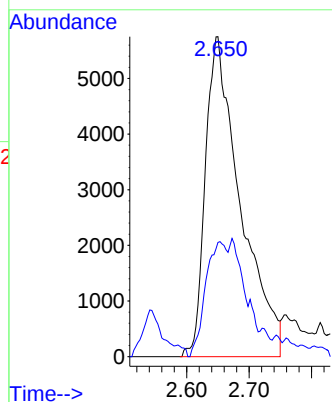
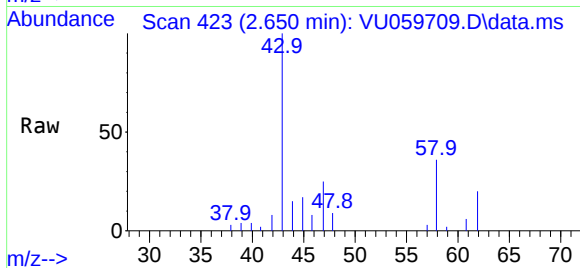
ClientSampleId :

Tgt Ion: 43 Resp: 22465

Ion Ratio Lower Upper

43 100

58 22.1 0.0 68.0



#14

Carbon disulfide

Concen: 0.259 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU059709.D

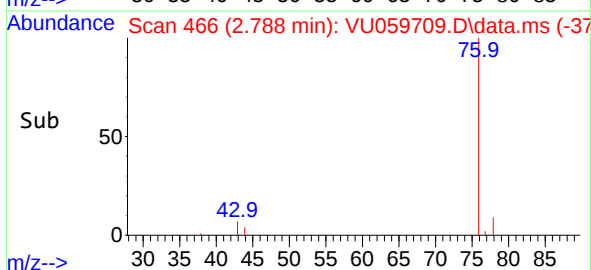
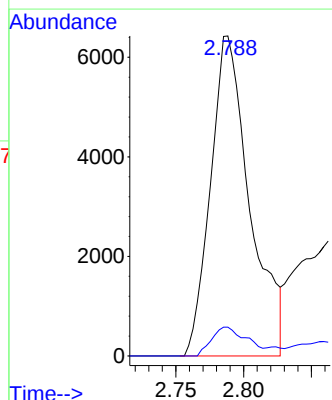
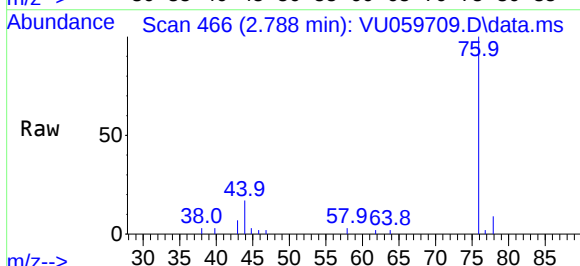
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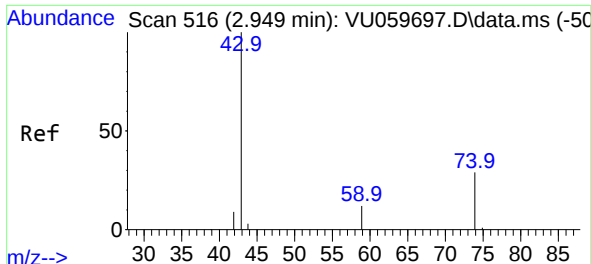
Tgt Ion: 76 Resp: 12974

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

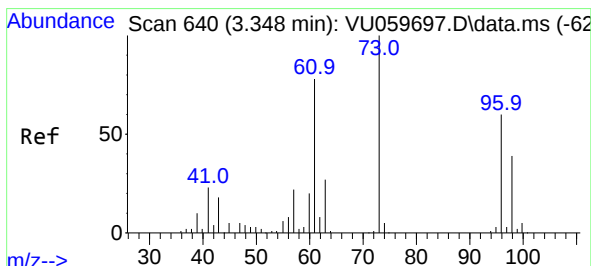
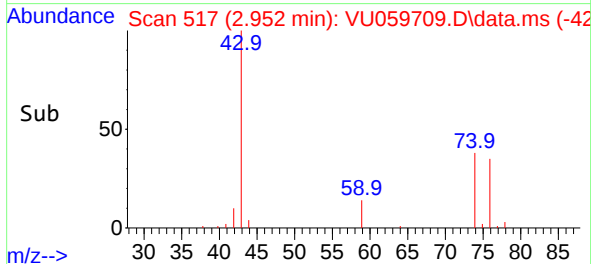
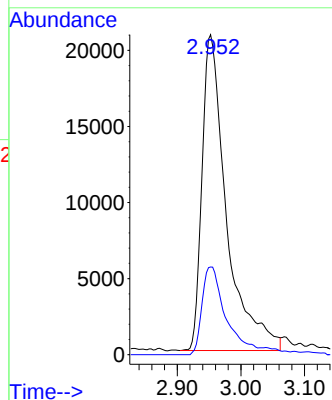
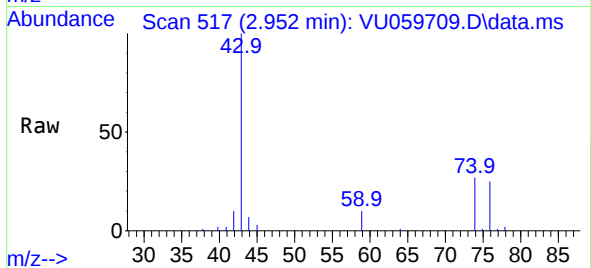




#15
Methyl Acetate
Concen: 10.695 ug/L
RT: 2.952 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

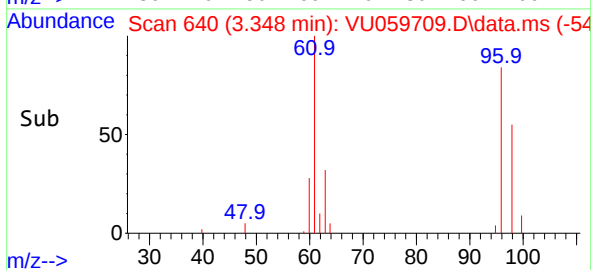
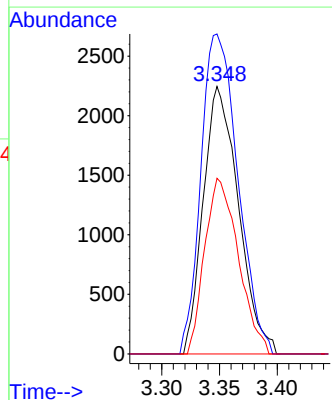
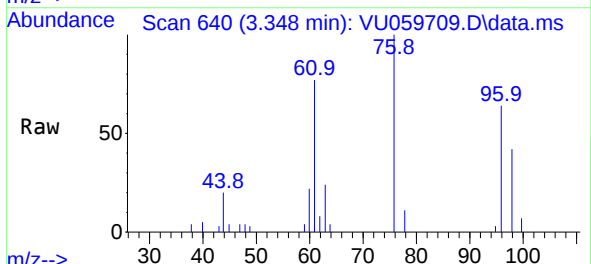
Instrument :
MSVOA_U
ClientSampleId :

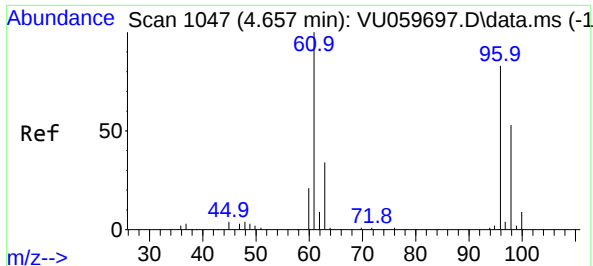
Tgt Ion: 43 Resp: 55438
Ion Ratio Lower Upper
43 100
74 27.0 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 0.305 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

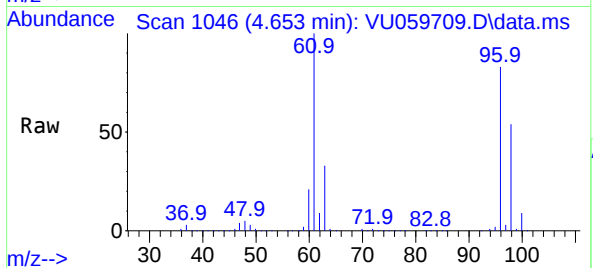
Tgt Ion: 96 Resp: 4759
Ion Ratio Lower Upper
96 100
61 119.6 101.8 189.0
98 65.6 43.3 80.5





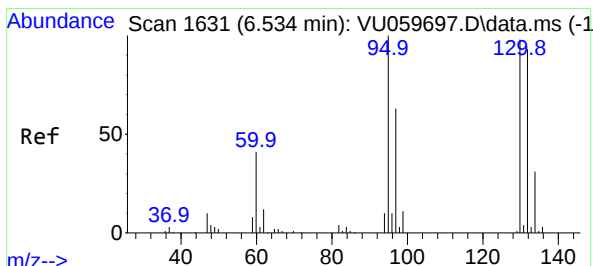
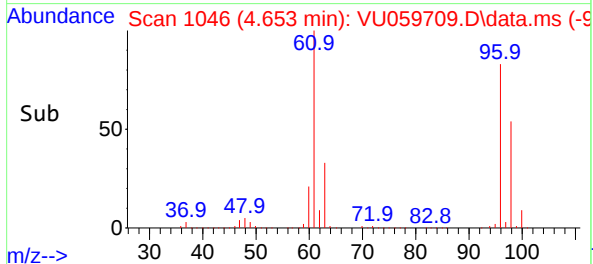
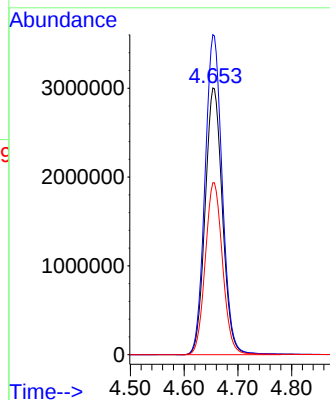
#22
 cis-1,2-Dichloroethene
 Concen: 390.753 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.006 min
 Lab File: VU059709.D
 Acq: 02 Jul 2024 01:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 6716190

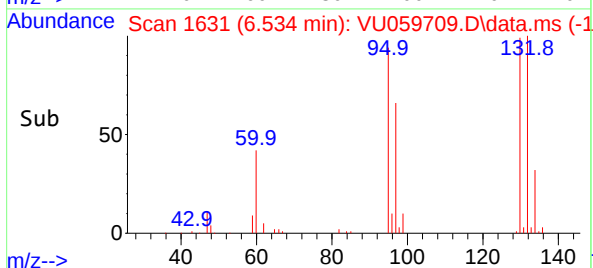
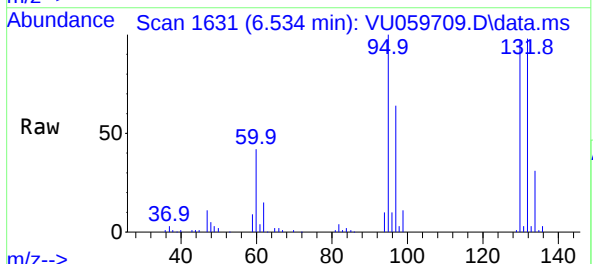
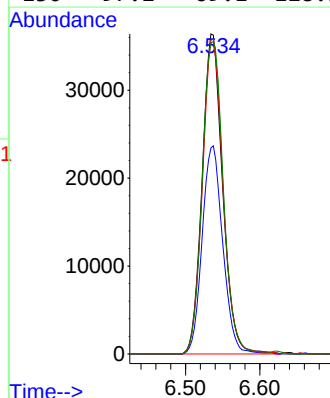
Ion	Ratio	Lower	Upper
96	100		
61	120.0	87.4	162.2
98	64.5	42.3	78.5

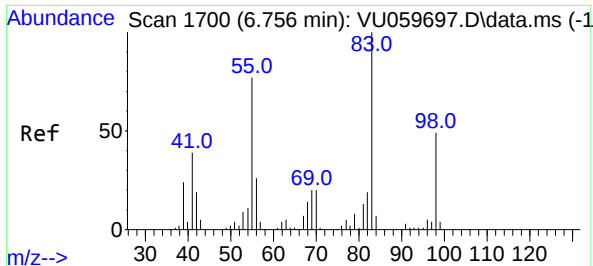


#34
 Trichloroethene
 Concen: 4.069 ug/L
 RT: 6.534 min Scan# 1631
 Delta R.T. -0.003 min
 Lab File: VU059709.D
 Acq: 02 Jul 2024 01:16

Tgt Ion: 95 Resp: 69622

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.3	84.1
132	98.0	64.0	119.0
130	97.2	69.1	128.3





#35

Methylcyclohexane

Concen: 0.683 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU059709.D

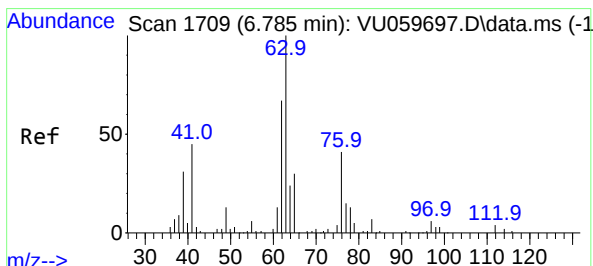
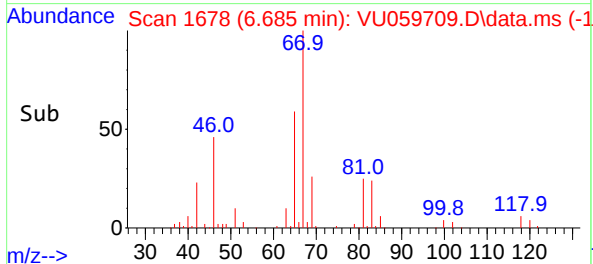
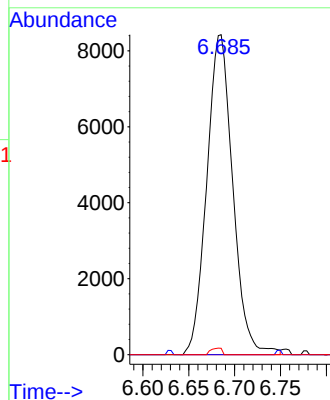
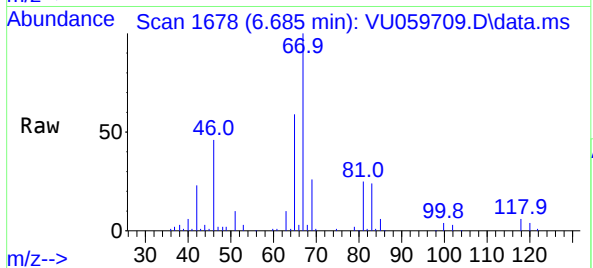
Acq: 02 Jul 2024 01:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 16624
Ion Ratio	Lower Upper
83 100	
55 14.9	62.7 94.1#
98 0.9	35.4 53.0#



#37

1,2-Dichloropropane

Concen: 0.458 ug/L

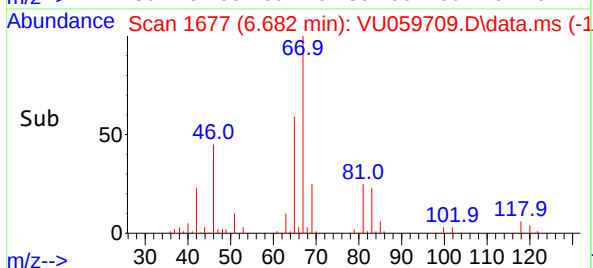
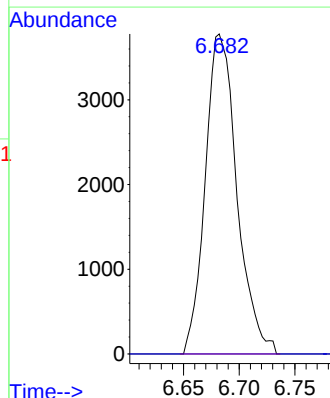
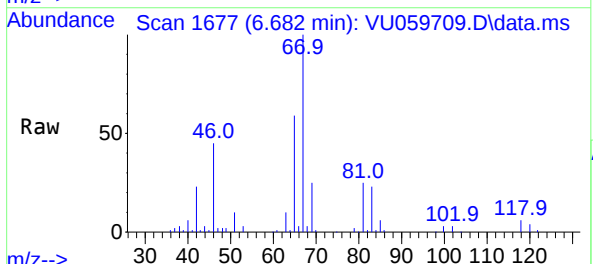
RT: 6.682 min Scan# 1677

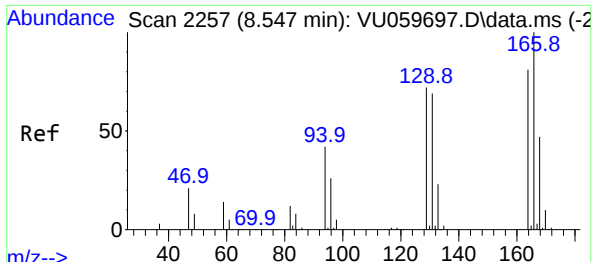
Delta R.T. -0.103 min

Lab File: VU059709.D

Acq: 02 Jul 2024 01:16

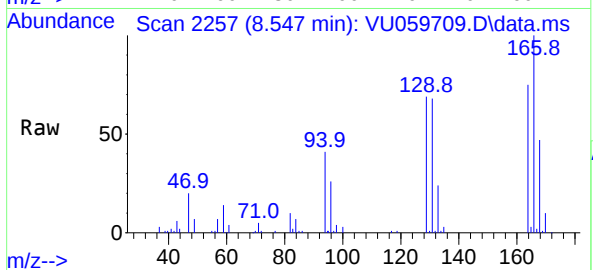
Tgt Ion: 63	Resp: 7486
Ion Ratio	Lower Upper
63 100	
112 0.0	2.6 3.8#





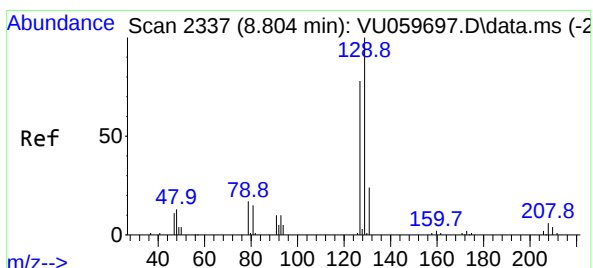
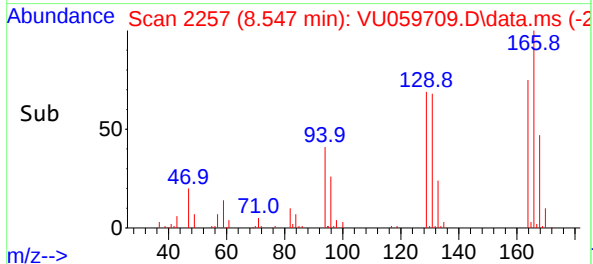
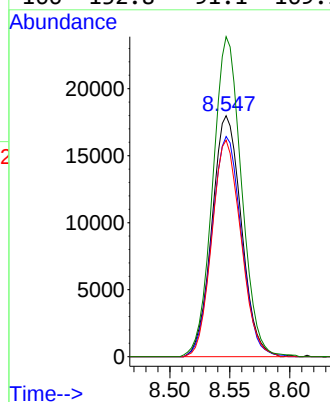
#47
Tetrachloroethene
Concen: 2.309 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 30657

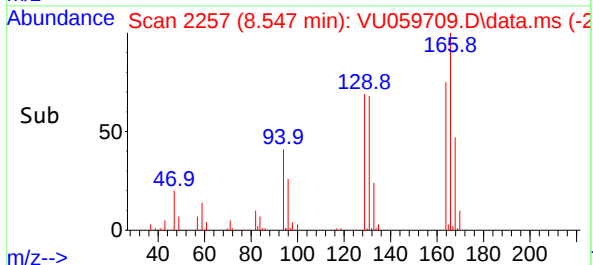
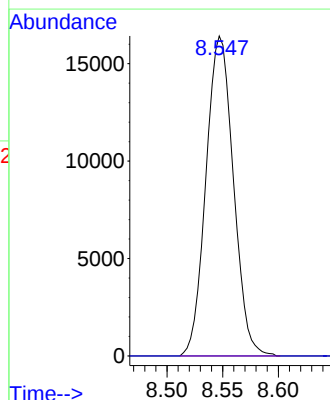
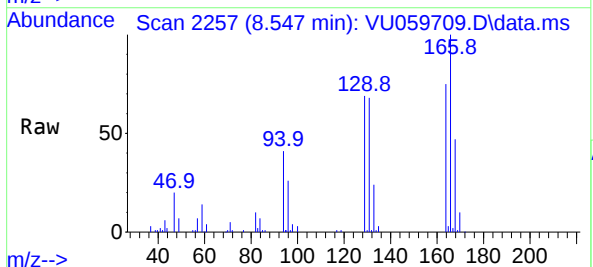
Ion	Ratio	Lower	Upper
164	100		
129	91.3	70.8	131.4
131	89.8	64.8	120.3
166	132.8	91.1	169.1

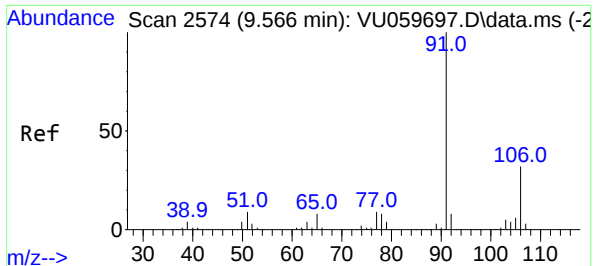


#49
Dibromochloromethane
Concen: 2.108 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Tgt Ion:129 Resp: 28141

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.5	97.5#

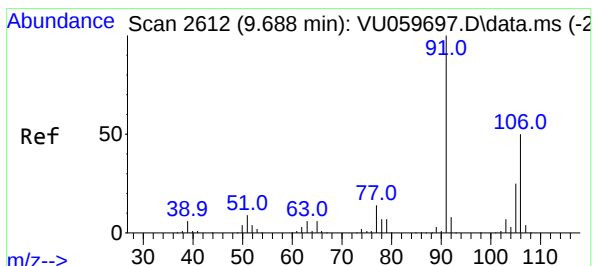
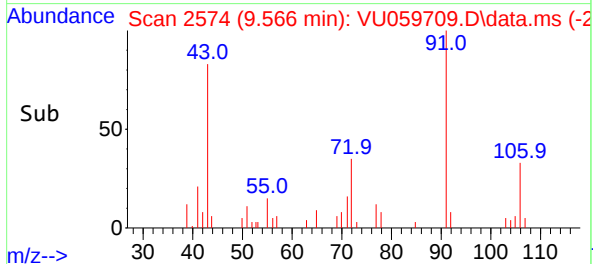
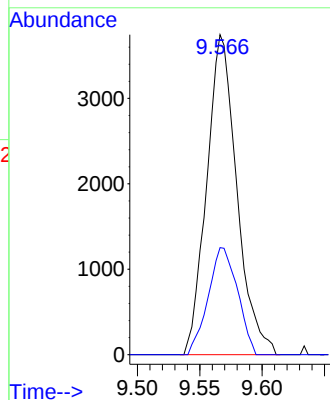
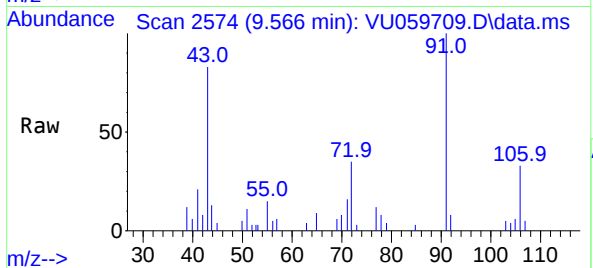




#52
Ethylbenzene
Concen: 0.092 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

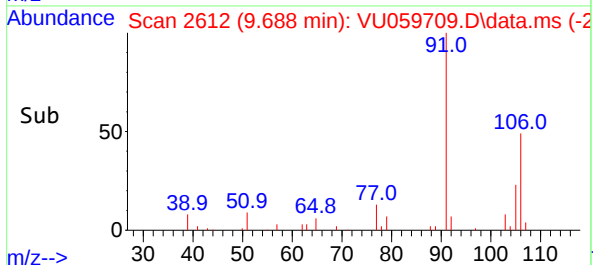
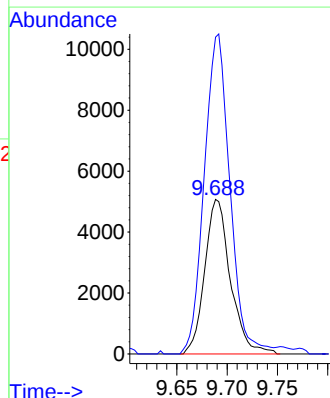
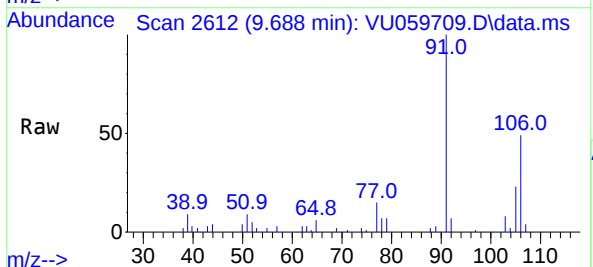
Instrument :
MSVOA_U
ClientSampleId :

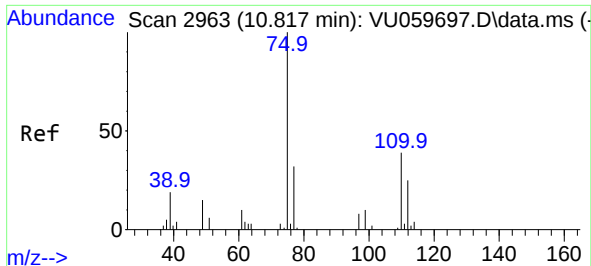
Tgt Ion: 91 Resp: 6313
Ion Ratio Lower Upper
91 100
106 33.5 20.9 38.7



#53
m,p-Xylene
Concen: 0.343 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Tgt Ion: 106 Resp: 9032
Ion Ratio Lower Upper
106 100
91 205.0 142.0 263.8

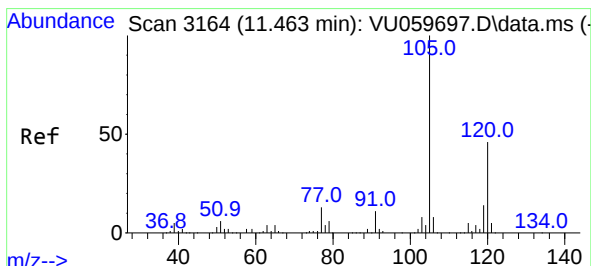
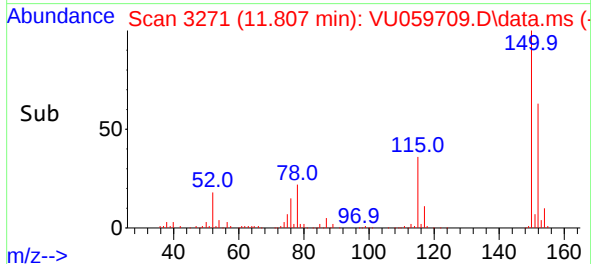
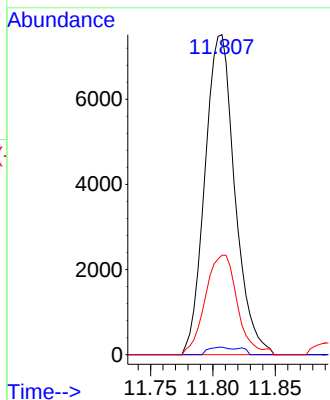
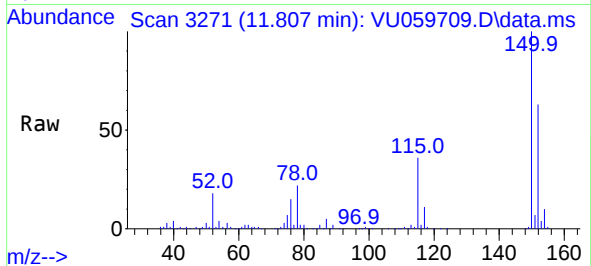




#61
1,2,3-Trichloropropane
Concen: 1.202 ug/L
RT: 11.807 min Scan# 311
Delta R.T. 0.990 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

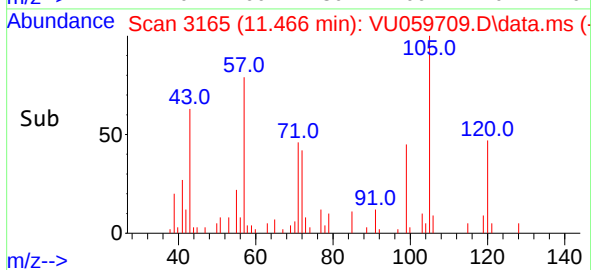
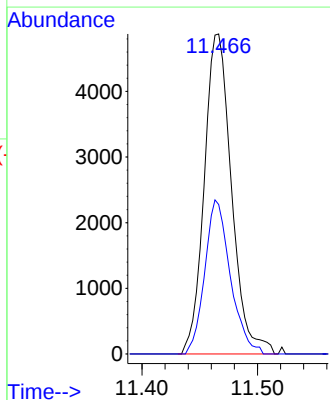
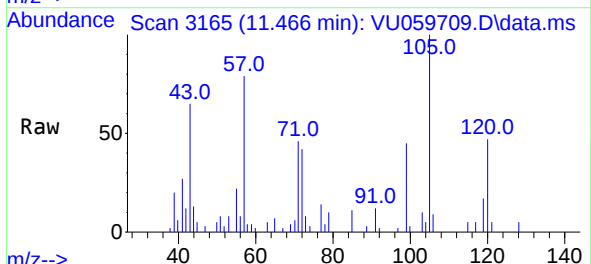
Instrument :
MSVOA_U
ClientSampleId :

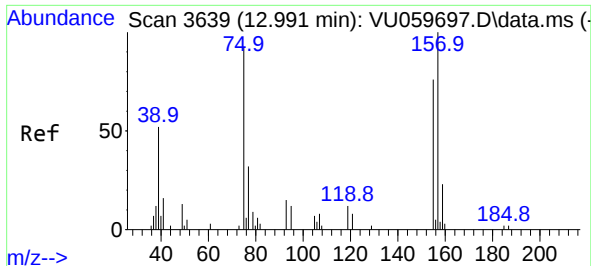
Tgt Ion: 75 Resp: 12578
Ion Ratio Lower Upper
75 100
110 1.8 27.1 40.7#
77 33.2 25.4 38.2



#63
1,2,4-Trimethylbenzene
Concen: 0.151 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Tgt Ion: 105 Resp: 8003
Ion Ratio Lower Upper
105 100
120 45.1 35.4 53.0

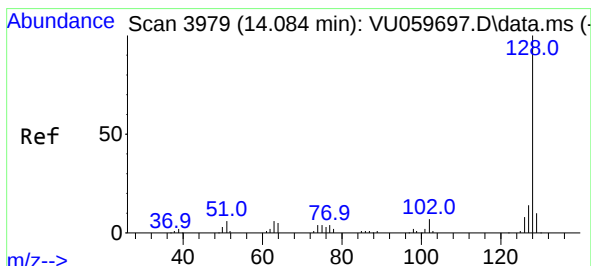
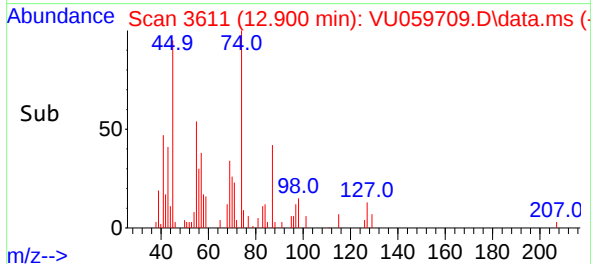
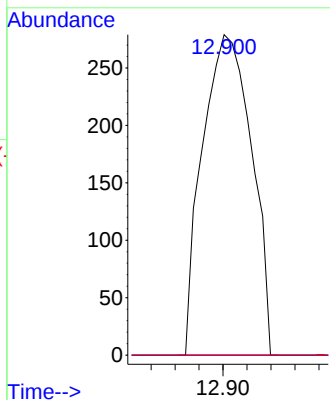
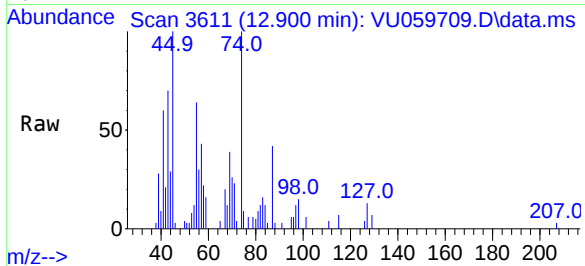




#68
1,2-Dibromo-3-chloropropane
Concen: 0.194 ug/L
RT: 12.900 min Scan# 309
Delta R.T. -0.090 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 397
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#



#71
Naphthalene
Concen: 0.205 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU059709.D
Acq: 02 Jul 2024 01:16

Tgt Ion: 128 Resp: 5941
Ion Ratio Lower Upper
128 100
129 8.3 8.2 12.4
127 10.2 10.2 15.4#

