

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042224\
 Data File : VU058771.D
 Acq On : 22 Apr 2024 17:19
 Operator : MD/SY
 Sample : P2202-01 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 23 00:10:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 22 23:57:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	97308	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	91233	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	39491	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	36623	4.785	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.904	69	26661	4.623	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.557	65	18757	4.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.621	46	66925	49.767	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.540%
24) Chloroform-d	5.052	84	75473	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.692	65	38243	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.717	84	144808	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.679	67	43904	5.069	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.891	98	128339	4.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.174	79	15078	4.781	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.627	63	44718	47.855	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	26468	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	37631	5.467	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	1727	0.219	ug/L #	76
12) 1,1-Dichloroethene	2.570	96	9101	1.284	ug/L #	1
15) Methyl Acetate	3.033	43	533	0.239	ug/L #	53
16) Methylene chloride	3.033	84	124914	16.380	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	12633	1.620	ug/L	93
25) Chloroform	5.078	83	12644	0.809	ug/L	90
34) Trichloroethene	6.531	95	1055159	122.852	ug/L	99
35) Methylcyclohexane	6.682	83	10686	0.819	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	5266	0.639	ug/L #	89
42) Toluene	7.965	91	3836	0.118	ug/L	98
47) Tetrachloroethene	8.547	164	17636	2.926	ug/L	98
49) Dibromochloromethane	8.547	129	17628	3.173	ug/L #	13
52) Ethylbenzene	9.566	91	12983	0.361	ug/L	92
53) m,p-Xylene	9.688	106	14393	1.089	ug/L	94
54) o-Xylene	10.097	106	10141	0.809	ug/L	88
62) 1,3,5-Trimethylbenzene	11.087	105	1885	0.072	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	4498	0.182	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	1748	0.150	ug/L #	82
71) Naphthalene	14.119	128	1173	0.144	ug/L #	69

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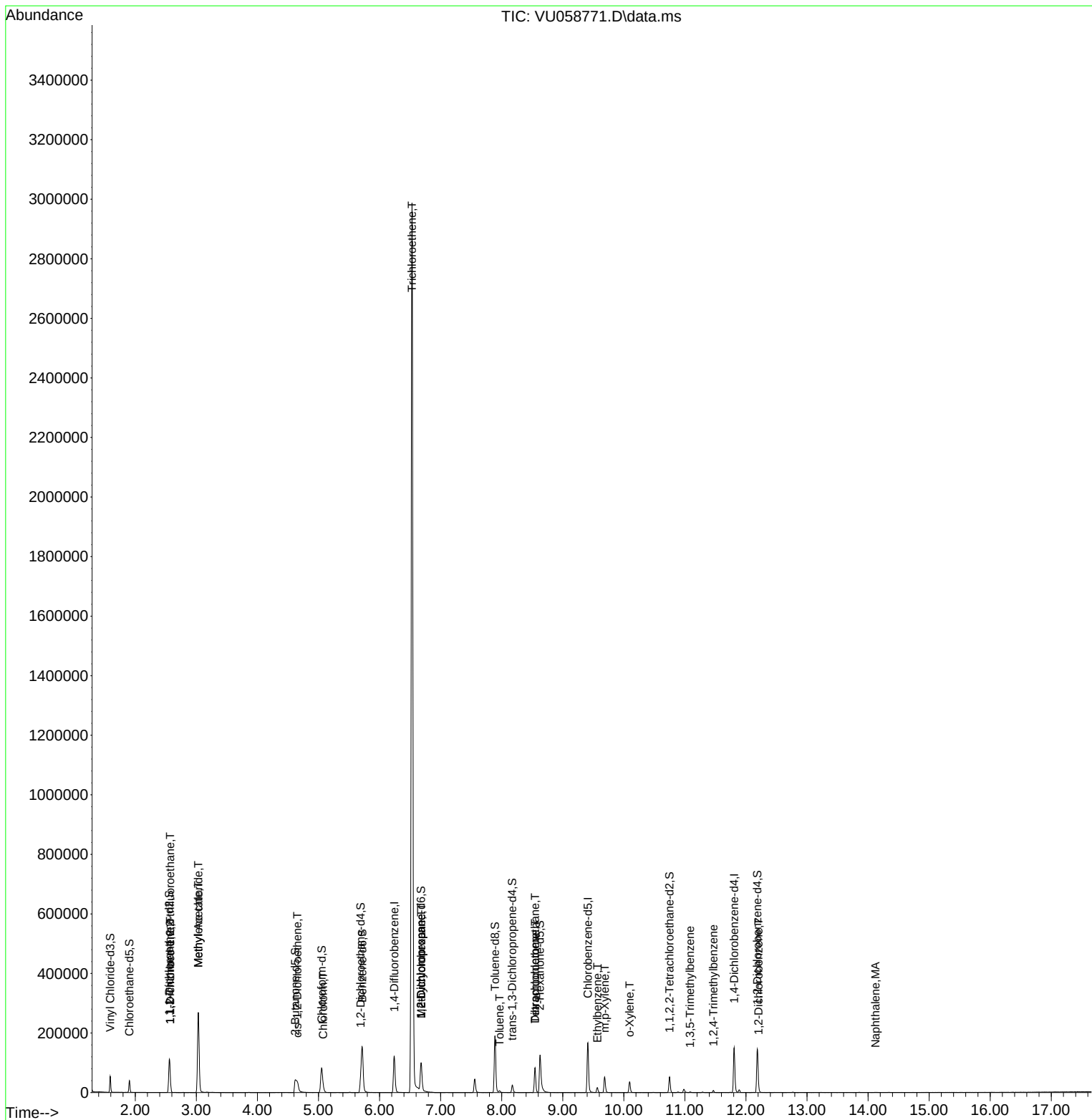
Instrument :
MSVOA_U
ClientSampleId :

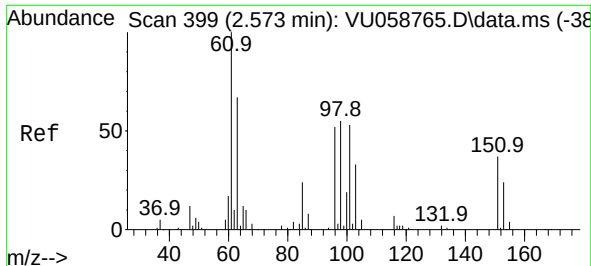
Quant Time: Apr 23 00:10:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Apr 22 23:57:56 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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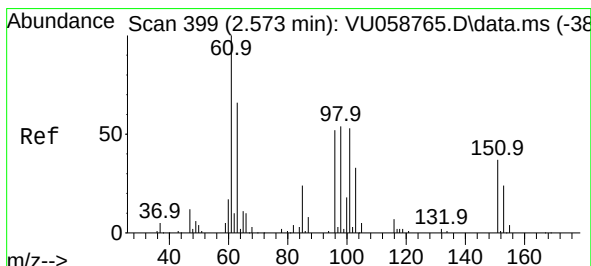
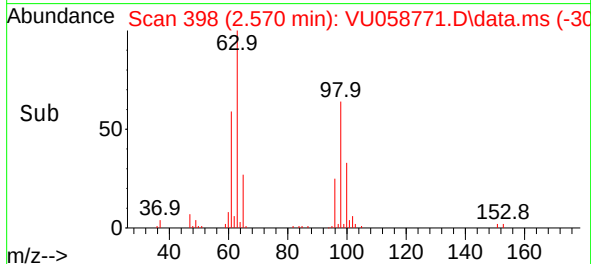
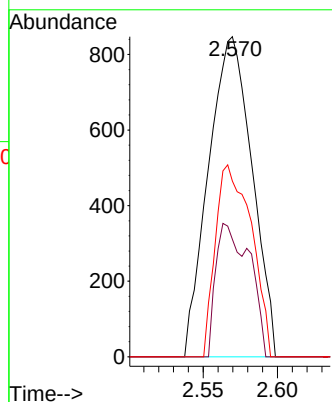
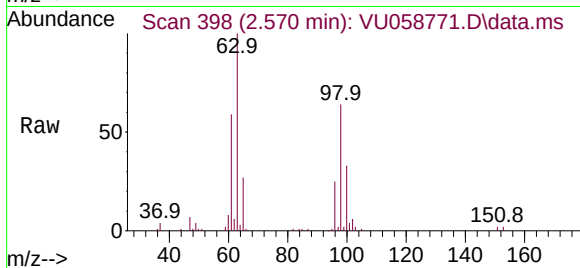




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.219 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

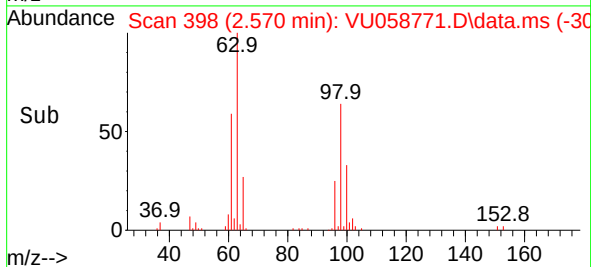
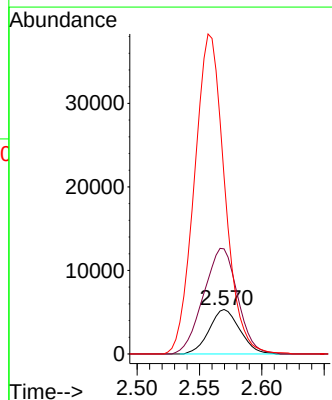
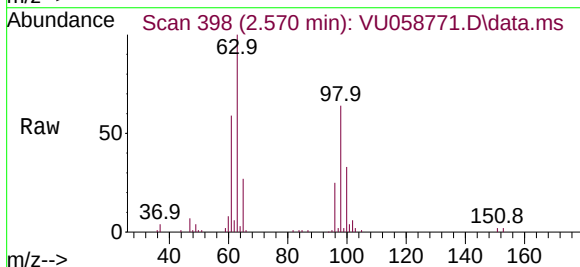
Instrument :
MSVOA_U
ClientSampleId :

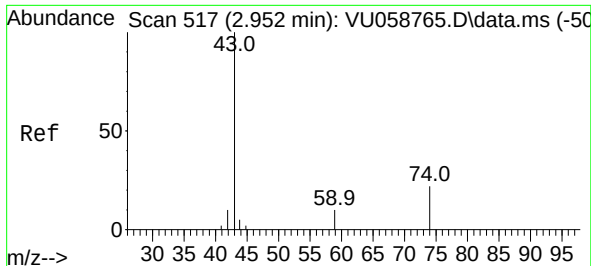
Tgt Ion:101 Resp: 1727
Ion Ratio Lower Upper
101 100
85 32.1 36.7 55.1#
151 49.5 56.6 84.8#



#12
1,1-Dichloroethene
Concen: 1.284 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

Tgt Ion: 96 Resp: 9101
Ion Ratio Lower Upper
96 100
61 236.3 135.3 251.3
63 399.3 91.9 170.7#





#15

Methyl Acetate

Concen: 0.239 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.080 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

Instrument :

MSVOA_U

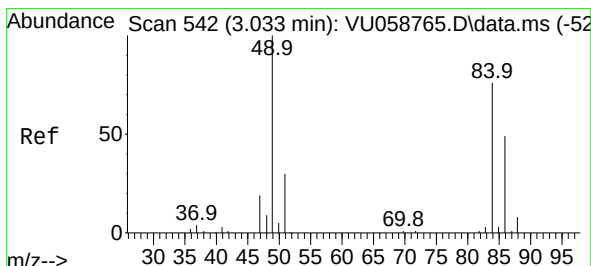
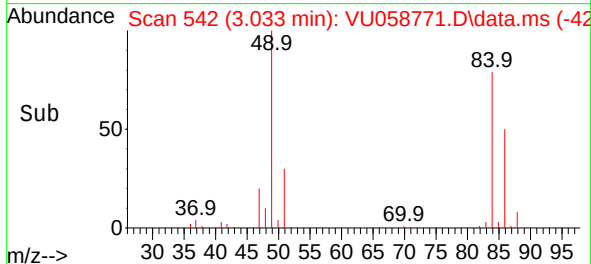
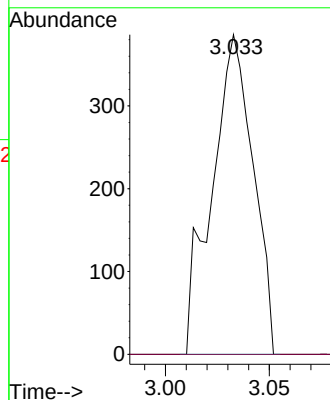
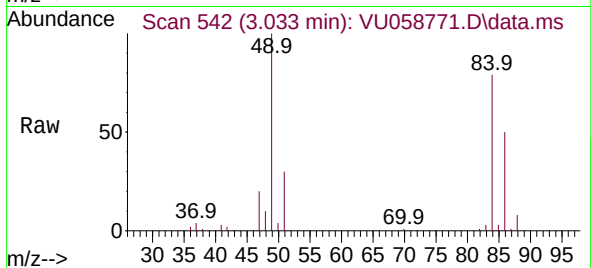
ClientSampleId :

Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.4#



#16

Methylene chloride

Concen: 16.380 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.000 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

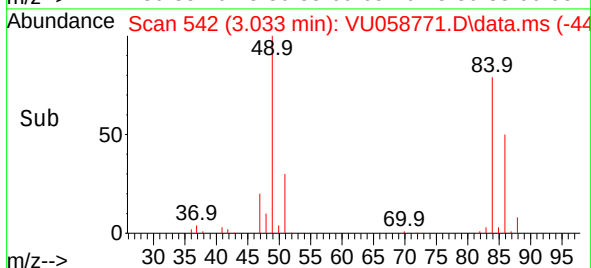
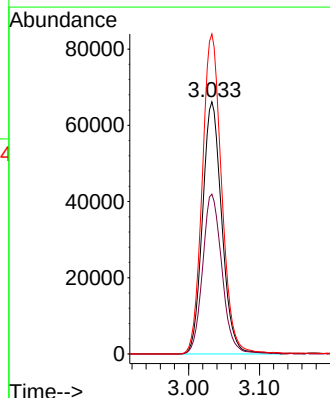
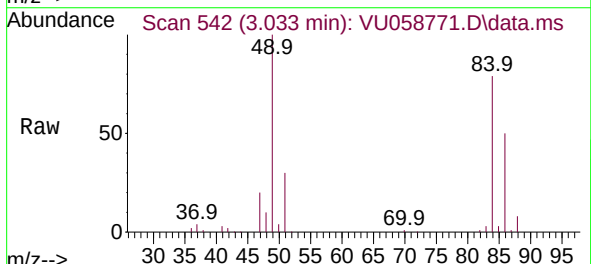
Tgt Ion: 84 Resp: 124914

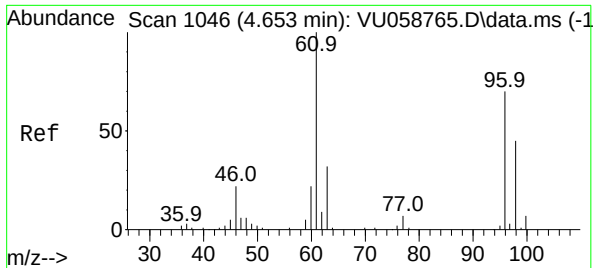
Ion Ratio Lower Upper

84 100

86 63.4 45.0 83.6

49 126.9 91.6 170.2

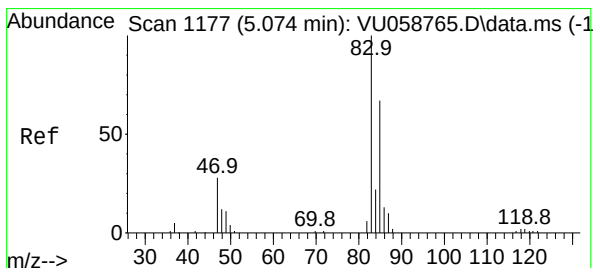
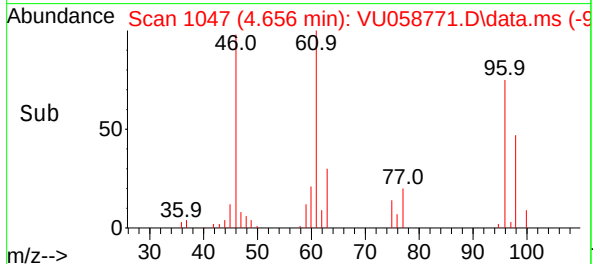
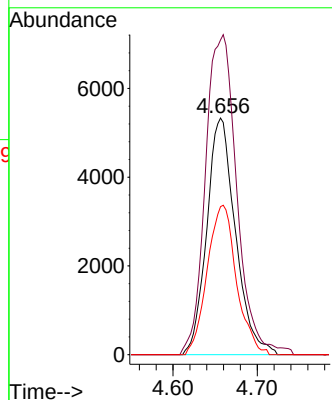
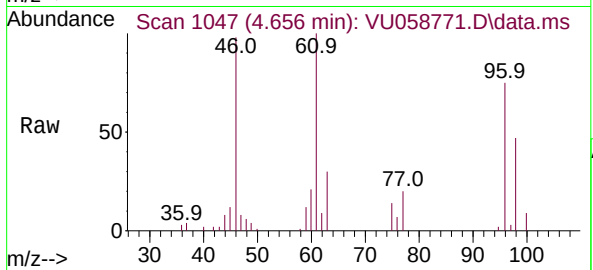




#22
 cis-1,2-Dichloroethene
 Concen: 1.620 ug/L
 RT: 4.656 min Scan# 1107
 Delta R.T. 0.003 min
 Lab File: VU058771.D
 Acq: 22 Apr 2024 17:19

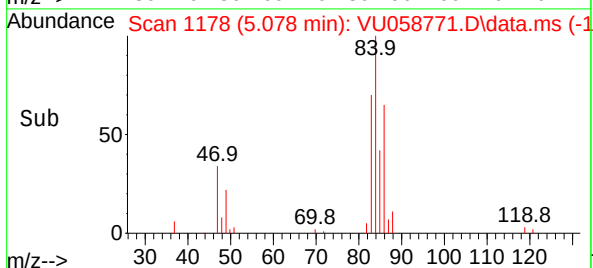
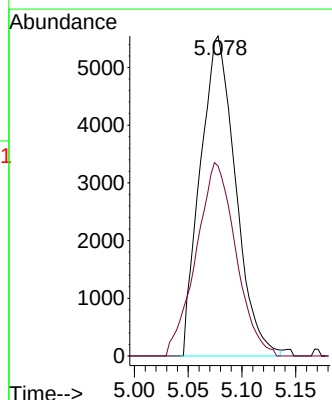
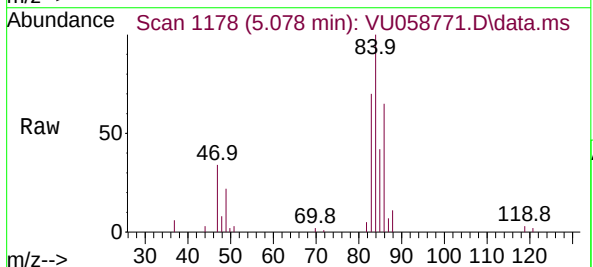
Instrument :
 MSVOA_U
 ClientSampleId :

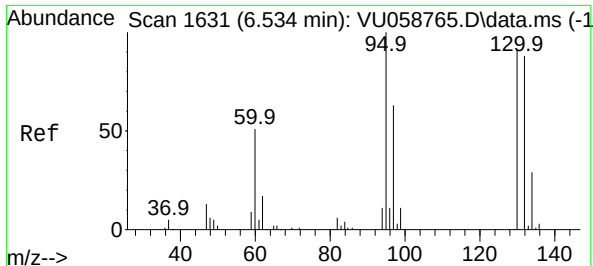
Tgt Ion: 96 Resp: 12633
 Ion Ratio Lower Upper
 96 100
 61 132.9 100.4 186.4
 98 62.5 45.1 83.7



#25
 Chloroform
 Concen: 0.809 ug/L
 RT: 5.078 min Scan# 1178
 Delta R.T. 0.003 min
 Lab File: VU058771.D
 Acq: 22 Apr 2024 17:19

Tgt Ion: 83 Resp: 12644
 Ion Ratio Lower Upper
 83 100
 85 59.4 47.0 87.4

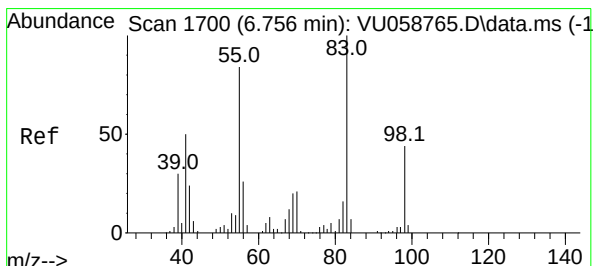
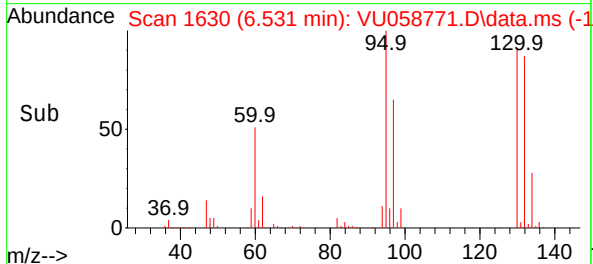
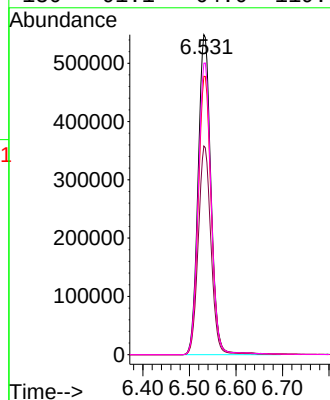
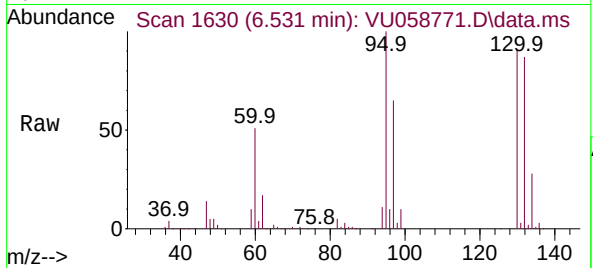




#34
Trichloroethene
Concen: 122.852 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

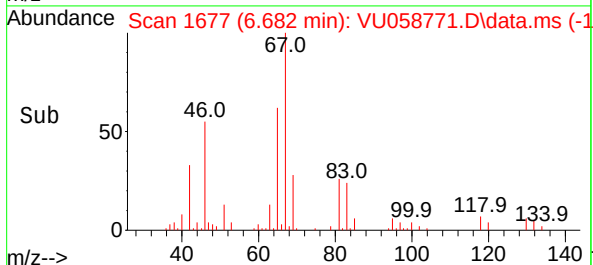
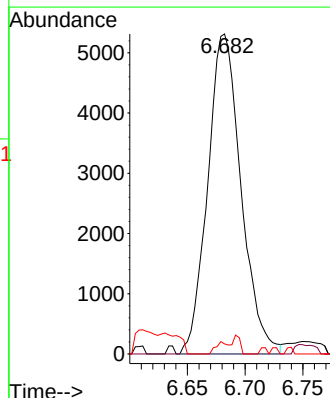
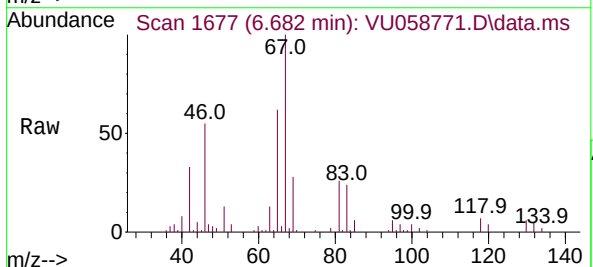
Instrument :
MSVOA_U
ClientSampleId :

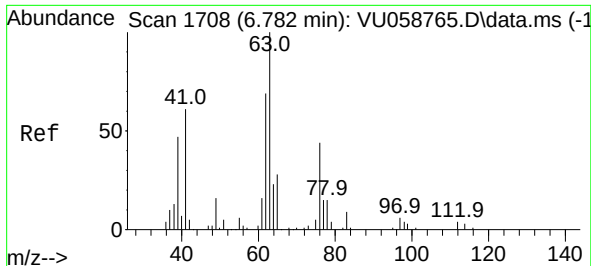
Tgt Ion: 95 Resp: 1055159
Ion Ratio Lower Upper
95 100
97 65.2 44.4 82.4
132 87.0 61.6 114.4
130 91.1 64.0 119.0



#35
Methylcyclohexane
Concen: 0.819 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

Tgt Ion: 83 Resp: 10686
Ion Ratio Lower Upper
83 100
55 1.7 66.6 100.0#
98 0.0 35.4 53.2#





#37

1,2-Dichloropropane

Concen: 0.639 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

Instrument :

MSVOA_U

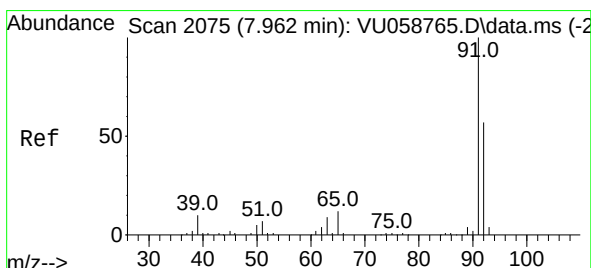
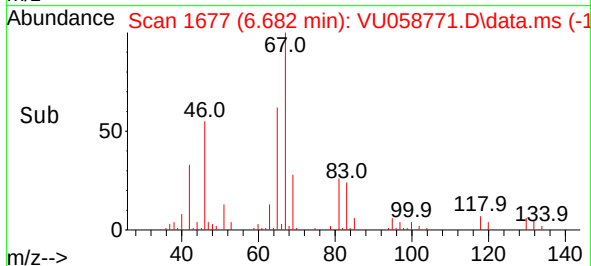
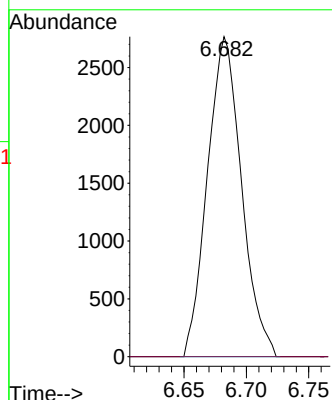
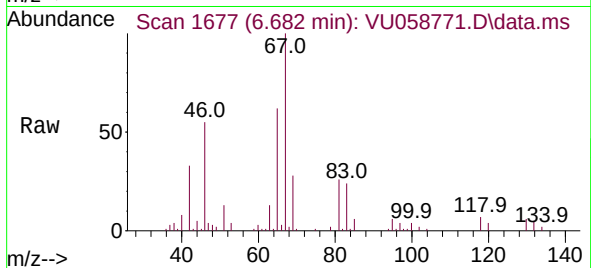
ClientSampleId :

Tgt Ion: 63 Resp: 5266

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#42

Toluene

Concen: 0.118 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU058771.D

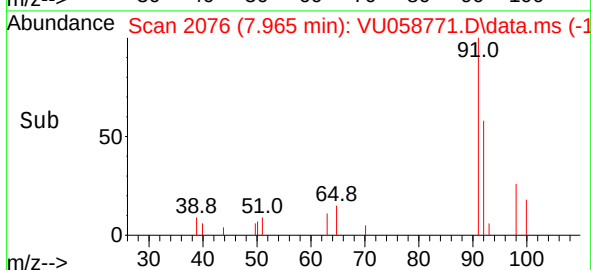
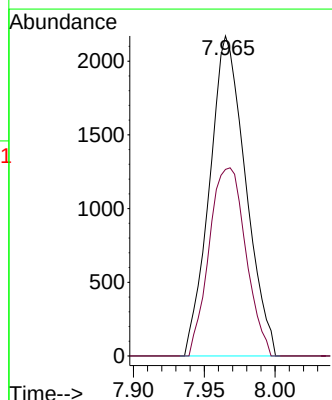
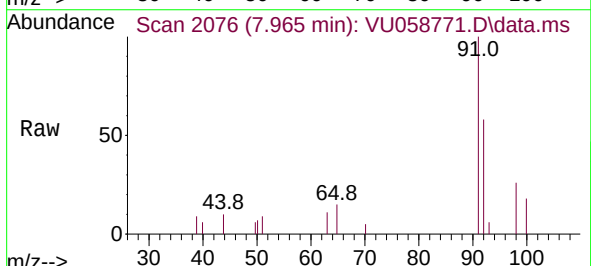
Acq: 22 Apr 2024 17:19

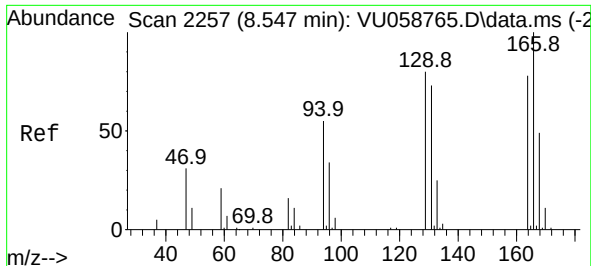
Tgt Ion: 91 Resp: 3836

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2





#47

Tetrachloroethene

Concen: 2.926 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

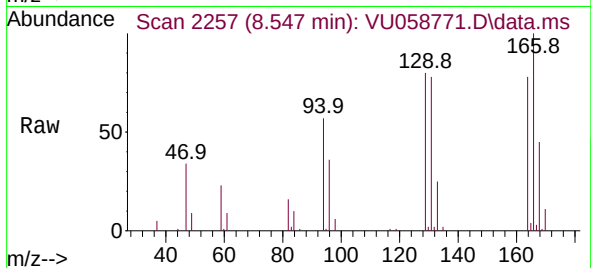
Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 17636

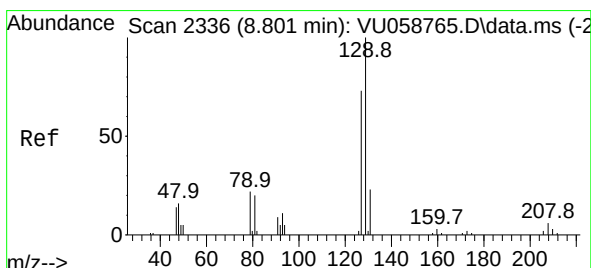
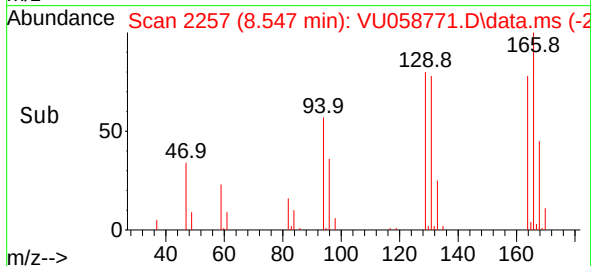
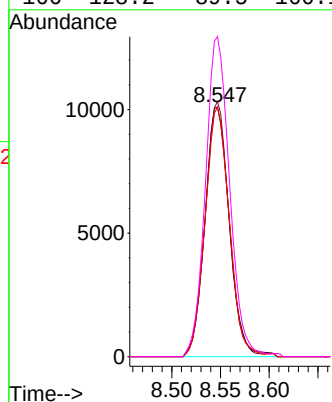
Ion Ratio Lower Upper

164 100

129 102.2 71.5 132.9

131 100.0 65.0 120.6

166 128.2 89.5 166.1



#49

Dibromochloromethane

Concen: 3.173 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU058771.D

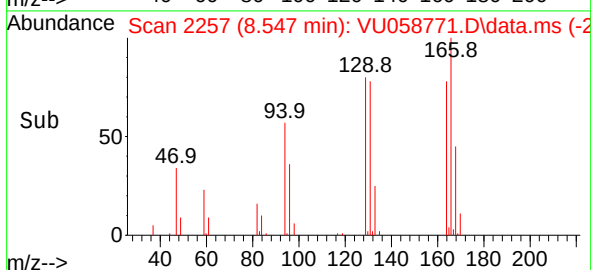
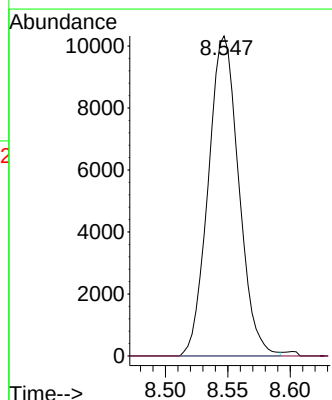
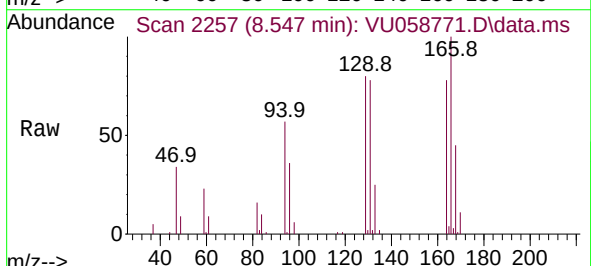
Acq: 22 Apr 2024 17:19

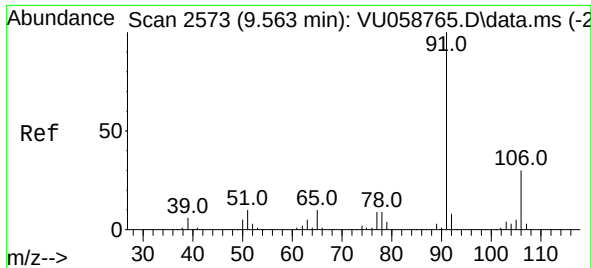
Tgt Ion:129 Resp: 17628

Ion Ratio Lower Upper

129 100

127 0.0 51.0 94.8#





#52

Ethylbenzene

Concen: 0.361 ug/L

RT: 9.566 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

Instrument :

MSVOA_U

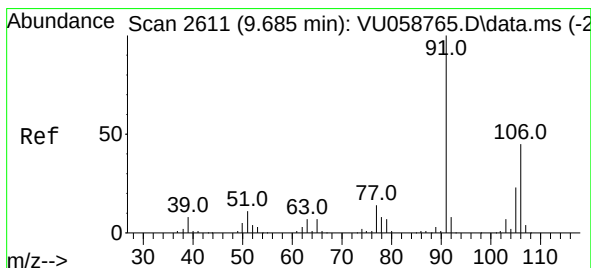
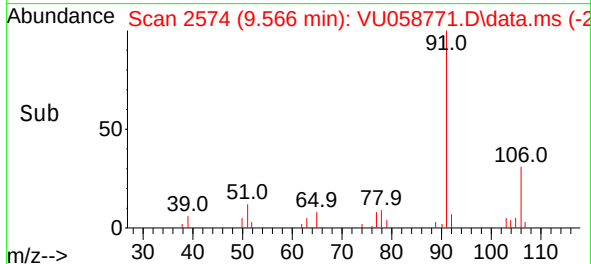
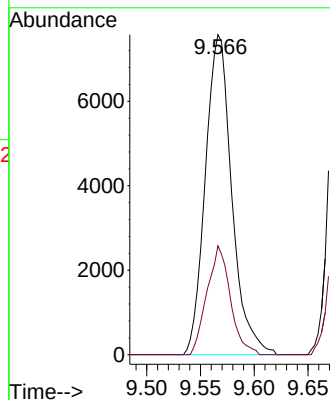
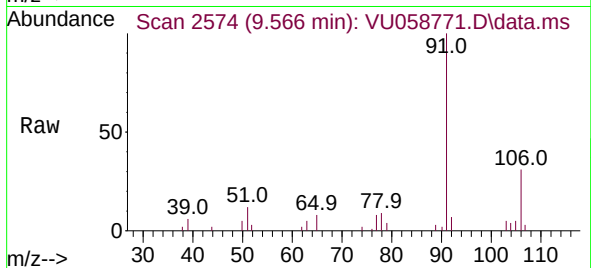
ClientSampleId :

Tgt Ion: 91 Resp: 12983

Ion Ratio Lower Upper

91 100

106 34.0 20.9 38.9



#53

m,p-Xylene

Concen: 1.089 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU058771.D

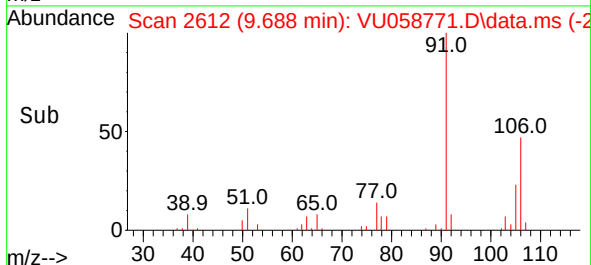
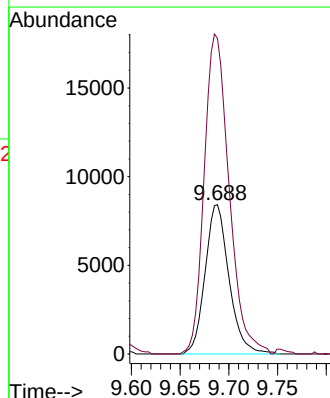
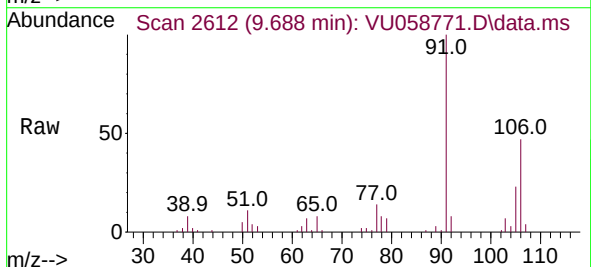
Acq: 22 Apr 2024 17:19

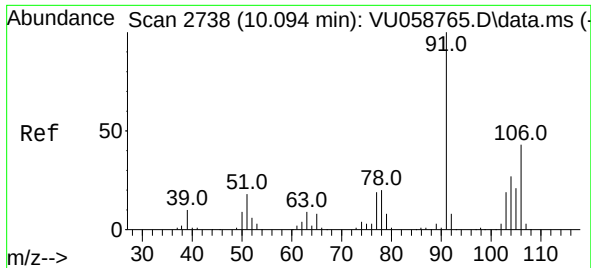
Tgt Ion:106 Resp: 14393

Ion Ratio Lower Upper

106 100

91 211.4 155.1 288.1

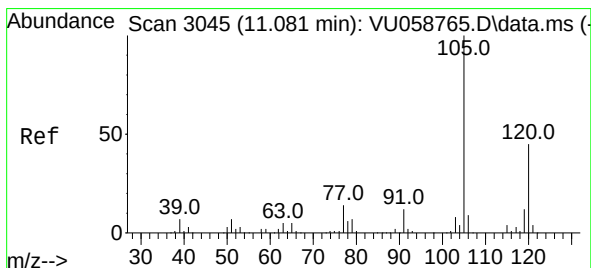
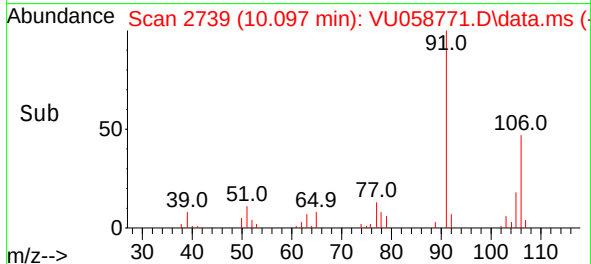
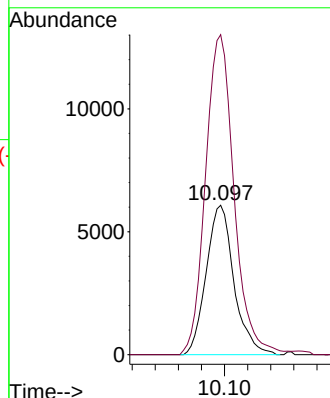
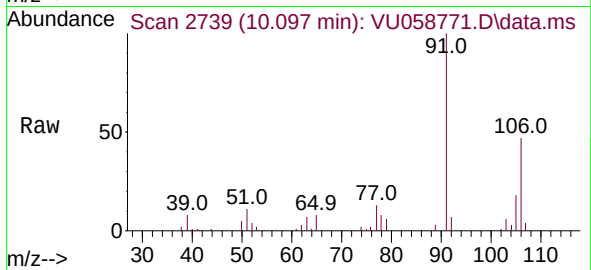




#54
o-Xylene
Concen: 0.809 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

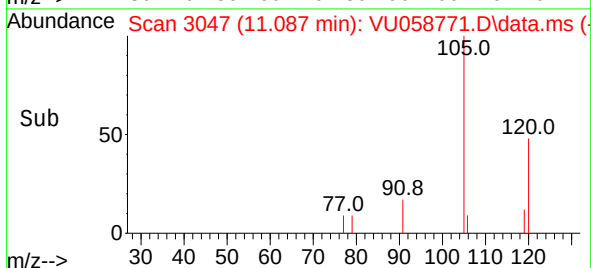
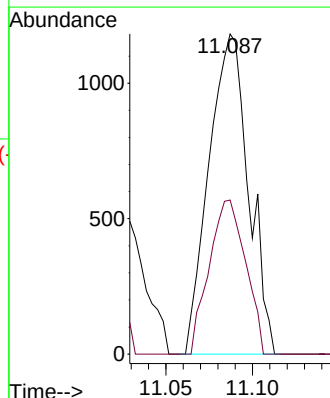
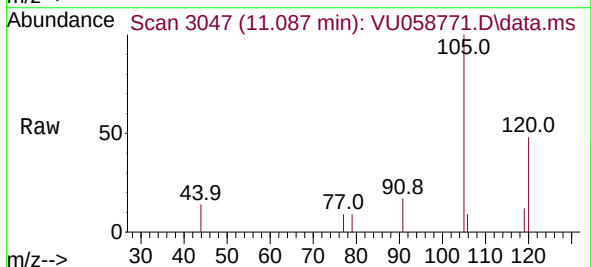
Instrument :
MSVOA_U
ClientSampleId :

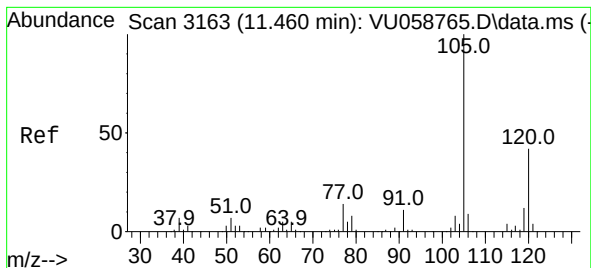
Tgt Ion:106 Resp: 10141
Ion Ratio Lower Upper
106 100
91 214.2 163.7 304.1



#62
1,3,5-Trimethylbenzene
Concen: 0.072 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.006 min
Lab File: VU058771.D
Acq: 22 Apr 2024 17:19

Tgt Ion:105 Resp: 1885
Ion Ratio Lower Upper
105 100
120 44.0 36.2 54.4





#63

1,2,4-Trimethylbenzene

Concen: 0.182 ug/L

RT: 11.466 min Scan# 3163

Delta R.T. 0.006 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

Instrument :

MSVOA_U

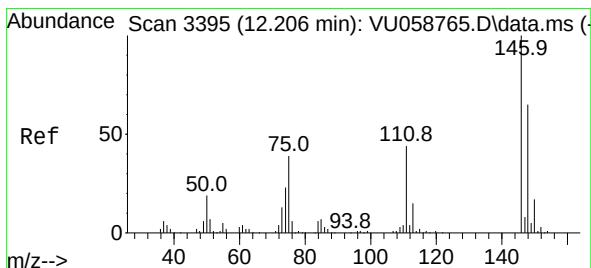
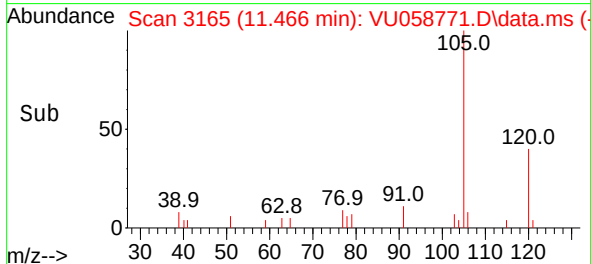
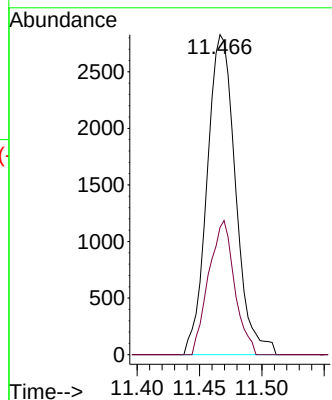
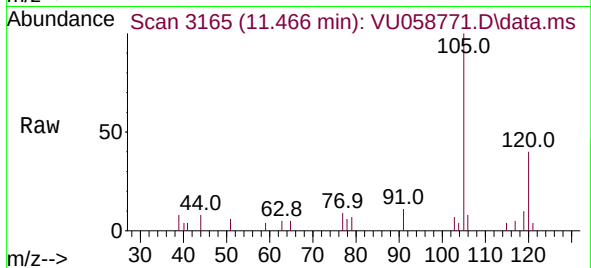
ClientSampleId :

Tgt Ion:105 Resp: 4498

Ion Ratio Lower Upper

105 100

120 38.1 33.4 50.0



#67

1,2-Dichlorobenzene

Concen: 0.150 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058771.D

Acq: 22 Apr 2024 17:19

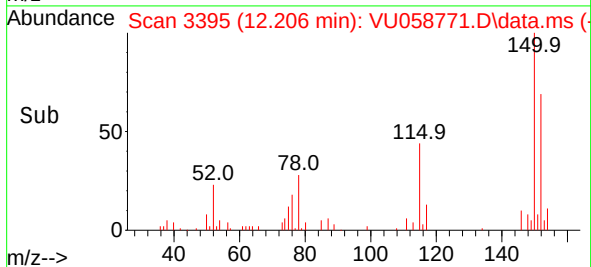
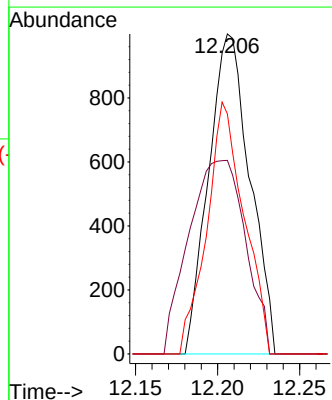
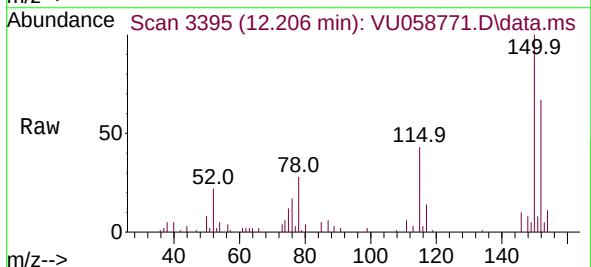
Tgt Ion:146 Resp: 1748

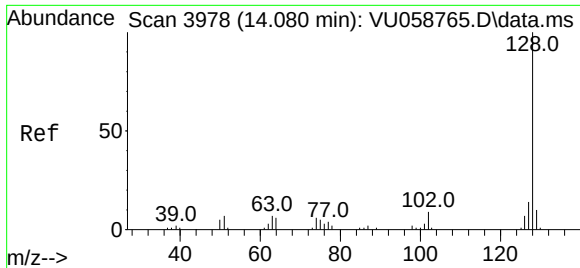
Ion Ratio Lower Upper

146 100

111 60.5 35.7 53.5#

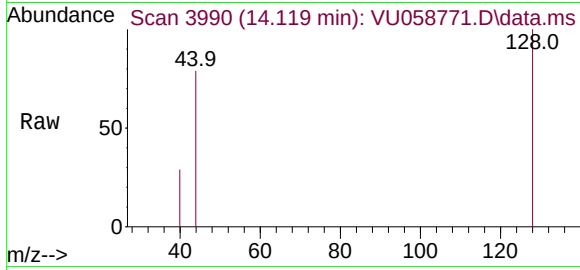
148 75.0 51.6 77.4





#71
 Naphthalene
 Concen: 0.144 ug/L
 RT: 14.119 min Scan# 3990
 Delta R.T. 0.039 min
 Lab File: VU058771.D
 Acq: 22 Apr 2024 17:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	1173
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.2	12.4#
127	0.0	10.8	16.2#

