

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
 Data File : VU060110.D
 Acq On : 23 Jul 2024 13:21
 Operator : MD/SY
 Sample : P3244-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 04:20:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 24 04:18:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	115144	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	126845	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	63949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34758	4.339	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	35149	4.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.560	65	13187	4.216	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.627	46	97984	52.314	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.620%
24) Chloroform-d	5.058	84	81081	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.698	65	39964	5.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.724	84	150295	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.685	67	50614	4.674	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.894	98	118197	3.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.177	79	10369	2.813	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	56.200%
46) 2-Hexanone-d5	8.630	63	69936	42.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.500%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	48845	5.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	58140	5.037	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
13) Acetone	2.637	43	49134	39.657	ug/L	97
14) Carbon disulfide	2.788	76	7826	0.306	ug/L	99
16) Methylene chloride	3.039	84	2018	0.187	ug/L	89
19) 1,1-Dichloroethane	3.865	63	3928	0.226	ug/L	88
21) 2-Butanone	4.714	43	20408	10.405	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	8730	0.853	ug/L	96
25) Chloroform	5.084	83	4086	0.214	ug/L	95
30) Cyclohexane	5.463	56	982	0.078	ug/L #	12
33) Benzene	5.769	78	10520	0.251	ug/L	100
37) 1,2-Dichloropropane	6.685	63	5321	0.470	ug/L #	88
42) Toluene	7.968	91	33468	0.751	ug/L	99
51) Chlorobenzene	9.444	112	156313	5.365	ug/L	98
52) Ethylbenzene	9.569	91	4595	0.103	ug/L	92
53) m,p-Xylene	9.692	106	7124	0.415	ug/L	94
54) o-Xylene	10.100	106	4257	0.259	ug/L	88
60) Isopropylbenzene	10.479	105	5827	0.139	ug/L #	85
61) 1,2,3-Trichloropropane	11.810	75	7918	1.174	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.087	105	10212	0.320	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	17229	0.558	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 24 04:18:44 2024
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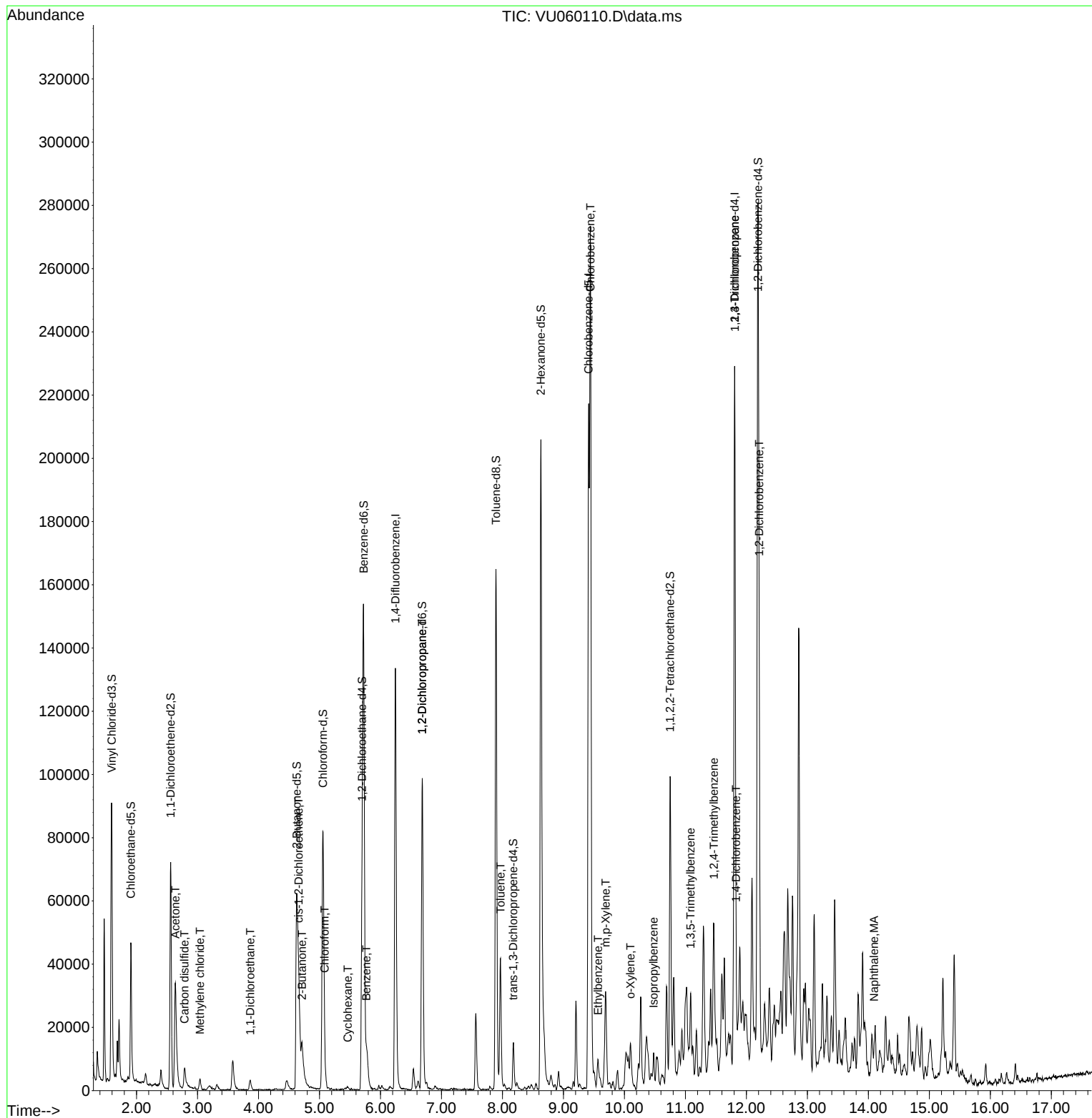
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.833	146	4495	0.196	ug/L #	85
67) 1,2-Dichlorobenzene	12.209	146	33432	1.552	ug/L	96
71) Naphthalene	14.093	128	6658	0.363	ug/L #	92

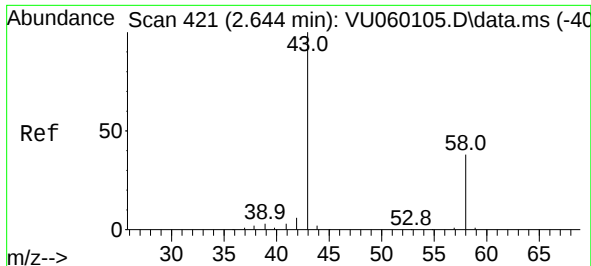
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 39.657 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.006 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Instrument :

MSVOA_U

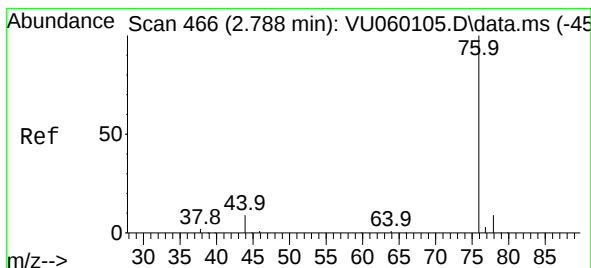
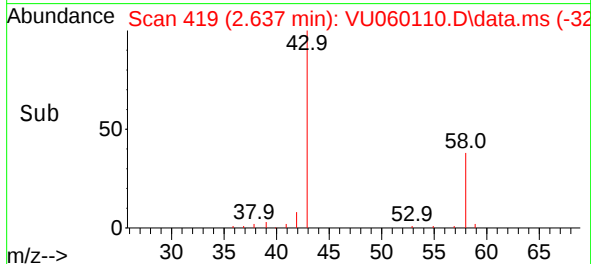
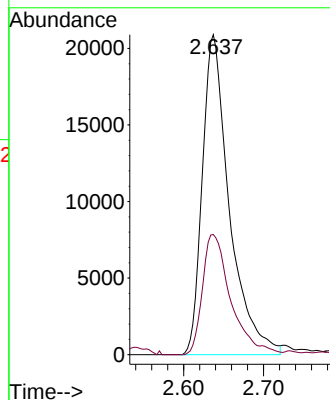
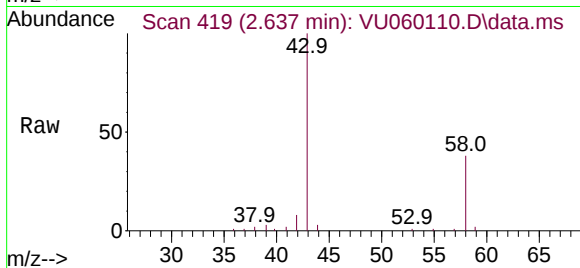
ClientSampleId :

Tgt Ion: 43 Resp: 49134

Ion Ratio Lower Upper

43 100

58 39.4 0.0 82.2



#14

Carbon disulfide

Concen: 0.306 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060110.D

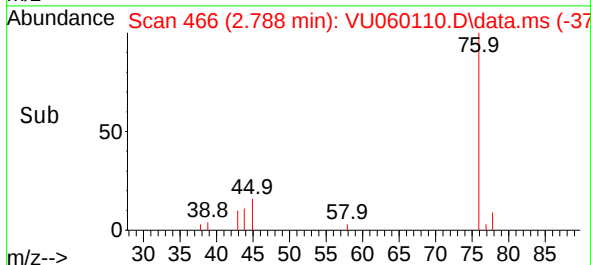
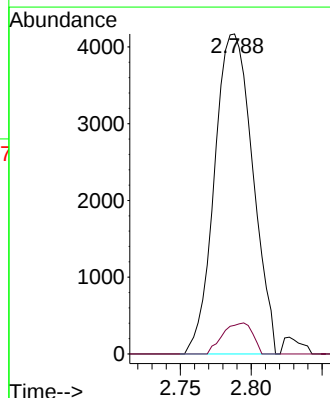
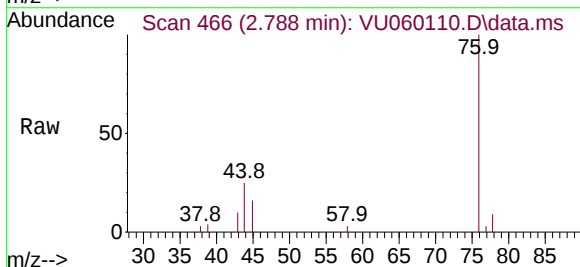
Acq: 23 Jul 2024 13:21

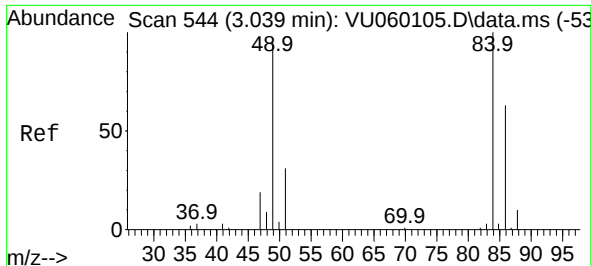
Tgt Ion: 76 Resp: 7826

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

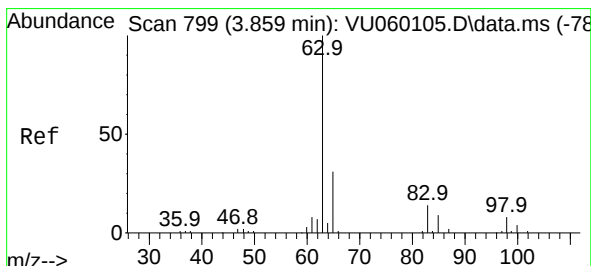
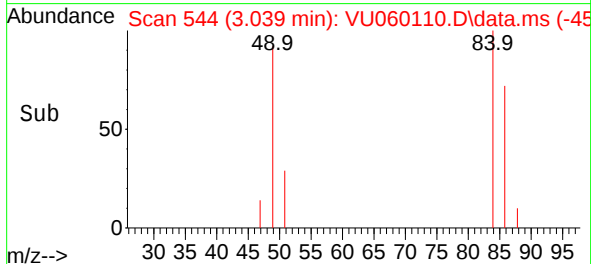
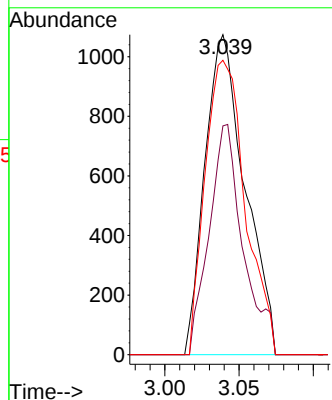
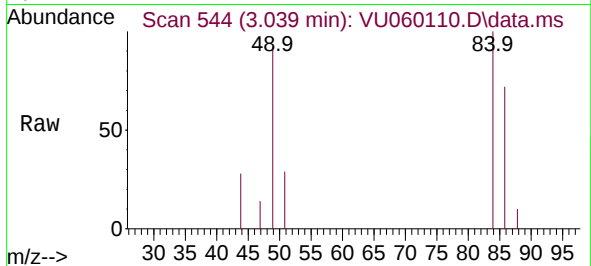




#16
Methylene chloride
Concen: 0.187 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

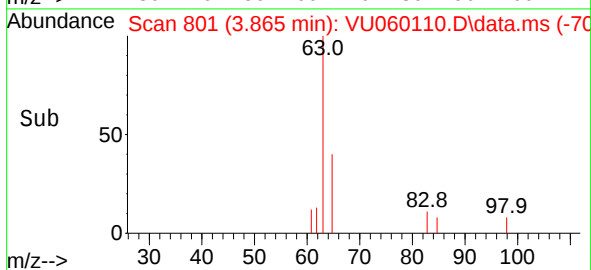
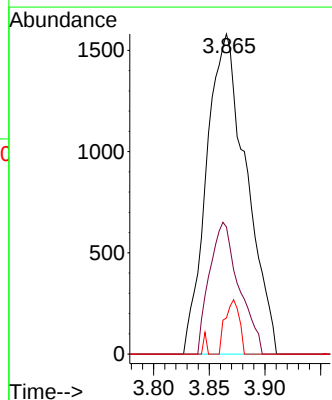
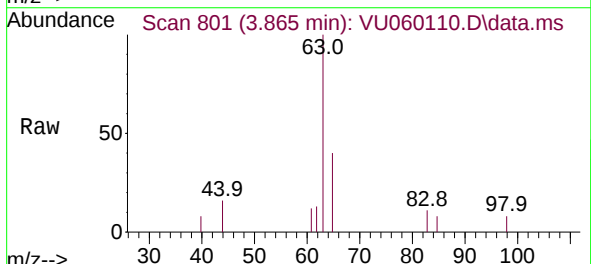
Instrument :
MSVOA_U
ClientSampleId :

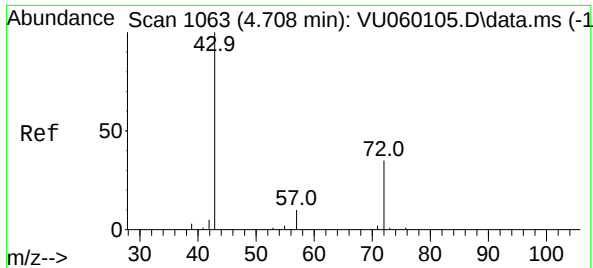
Tgt Ion: 84 Resp: 2018
Ion Ratio Lower Upper
84 100
86 71.5 44.4 82.5
49 92.0 72.0 133.6



#19
1,1-Dichloroethane
Concen: 0.226 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion: 63 Resp: 3928
Ion Ratio Lower Upper
63 100
65 39.7 22.0 40.8
83 11.3 9.7 17.9

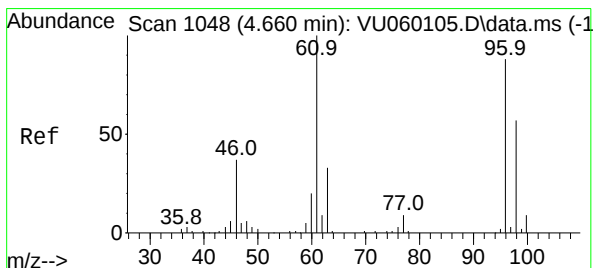
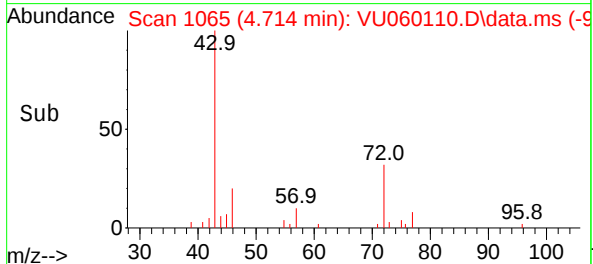
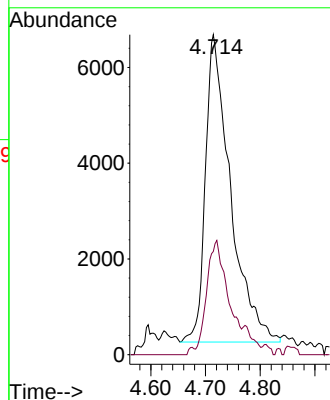
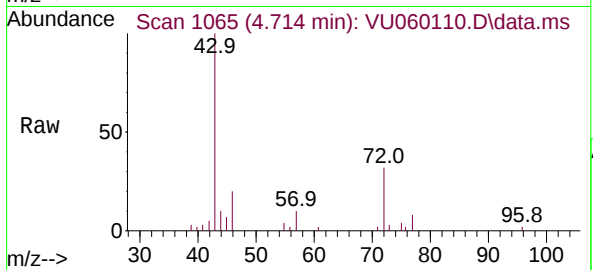




#21
2-Butanone
Concen: 10.405 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

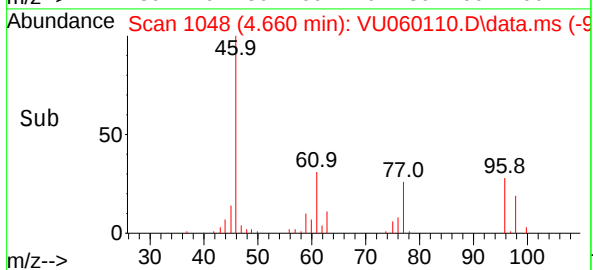
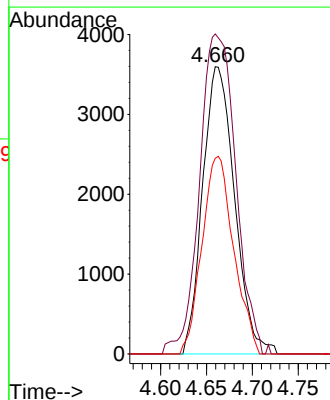
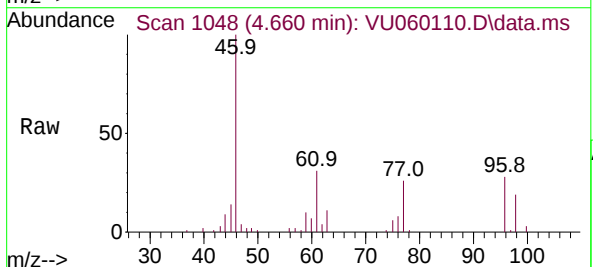
Instrument :
MSVOA_U
ClientSampleId :

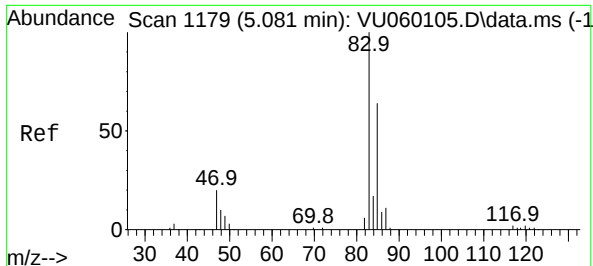
Tgt Ion: 43 Resp: 20408
Ion Ratio Lower Upper
43 100
72 28.6 16.3 48.9



#22
cis-1,2-Dichloroethene
Concen: 0.853 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion: 96 Resp: 8730
Ion Ratio Lower Upper
96 100
61 111.4 80.2 148.9
98 68.1 44.7 83.1





#25

Chloroform

Concen: 0.214 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Instrument :

MSVOA_U

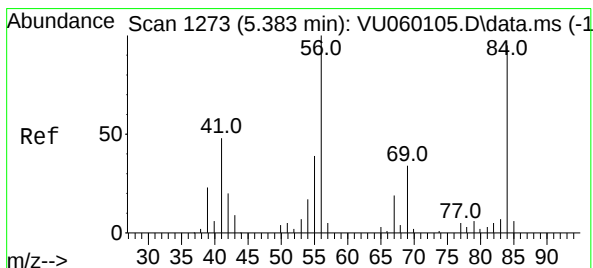
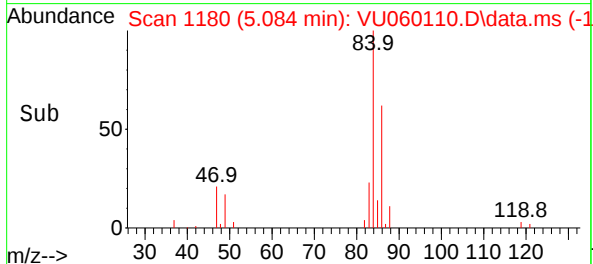
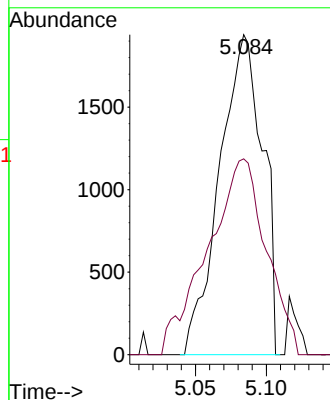
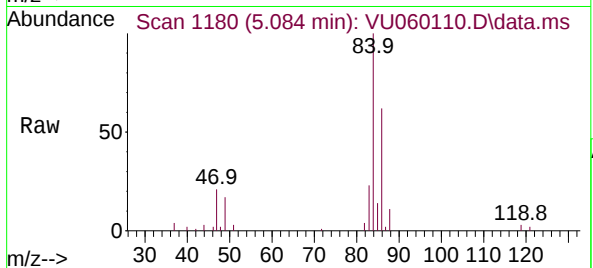
ClientSampleId :

Tgt Ion: 83 Resp: 4086

Ion Ratio Lower Upper

83 100

85 61.2 45.4 84.2



#30

Cyclohexane

Concen: 0.078 ug/L

RT: 5.463 min Scan# 1298

Delta R.T. 0.080 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

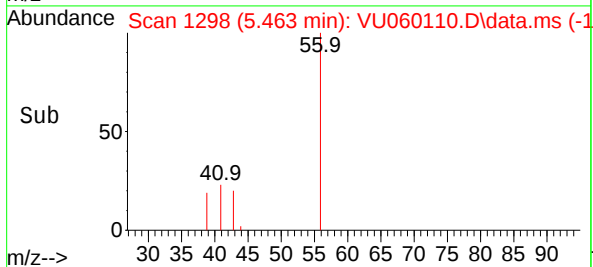
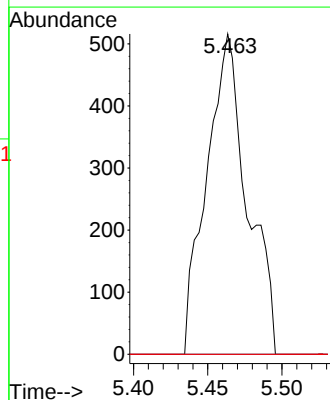
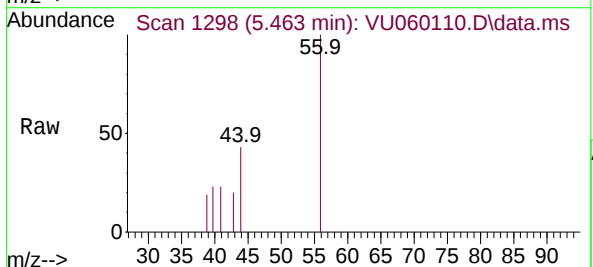
Tgt Ion: 56 Resp: 982

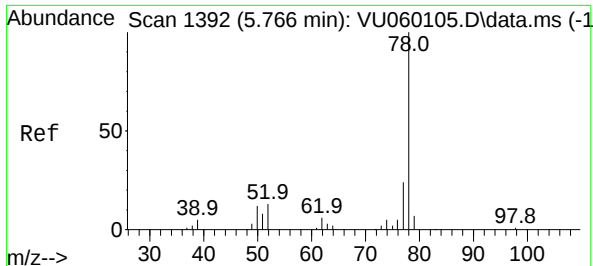
Ion Ratio Lower Upper

56 100

69 0.0 26.6 39.8#

84 0.0 77.2 115.8#

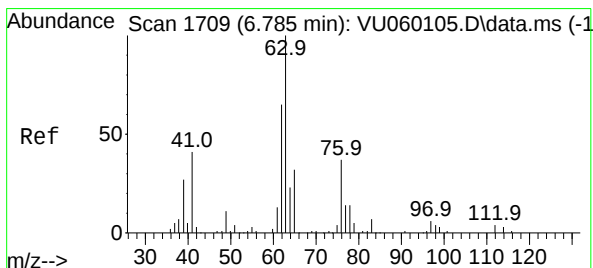
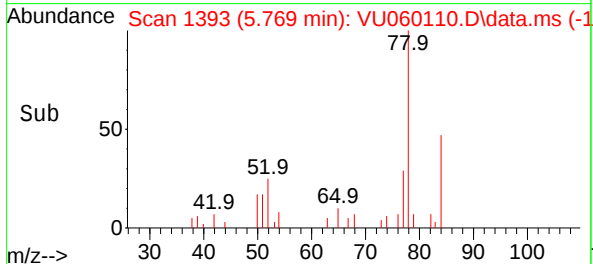
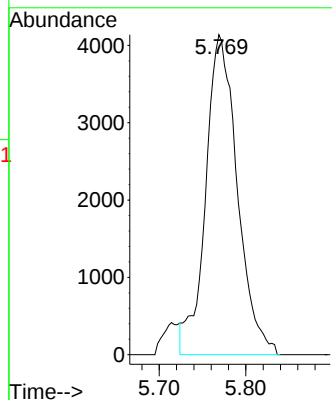
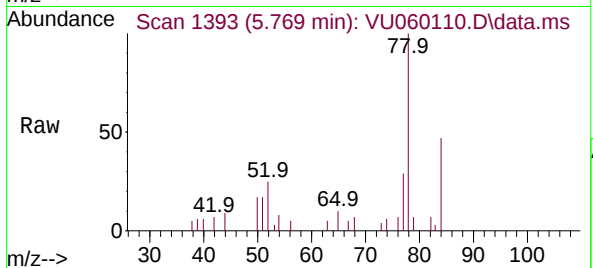




#33
Benzene
Concen: 0.251 ug/L
RT: 5.769 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

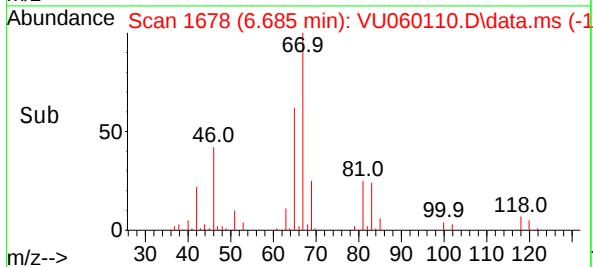
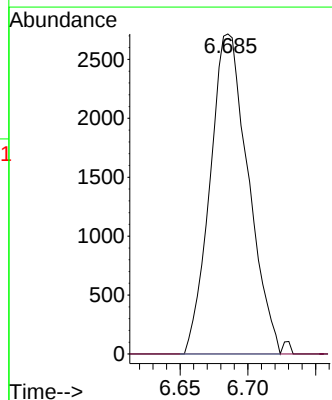
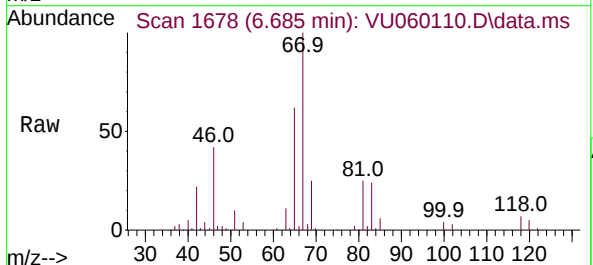
Instrument :
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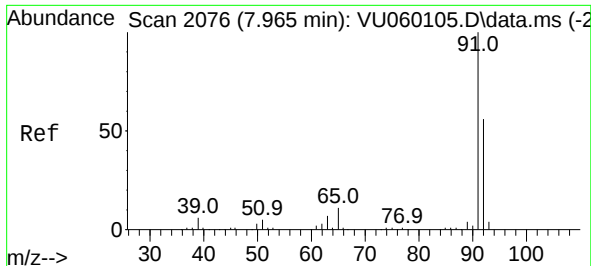
Tgt Ion: 78 Resp: 10520



#37
1,2-Dichloropropane
Concen: 0.470 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion: 63 Resp: 5321
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#42

Toluene

Concen: 0.751 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Instrument :

MSVOA_U

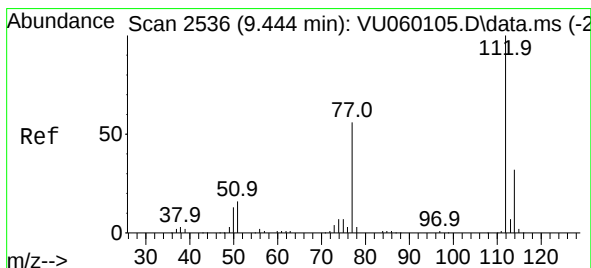
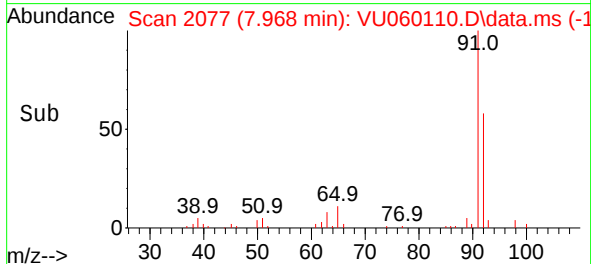
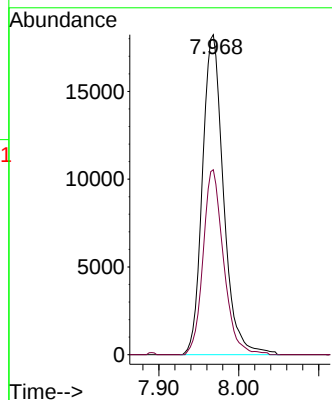
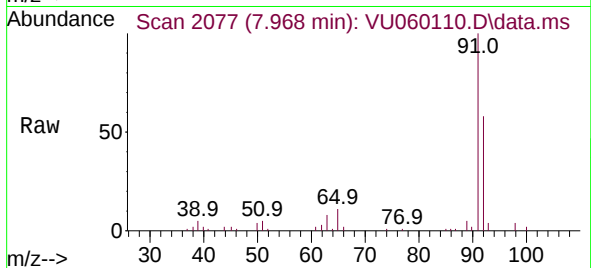
ClientSampleId :

Tgt Ion: 91 Resp: 33468

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#51

Chlorobenzene

Concen: 5.365 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

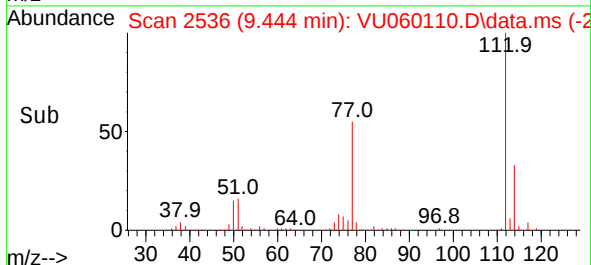
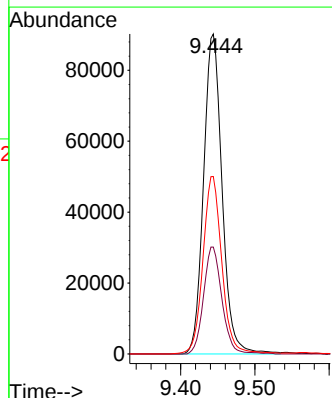
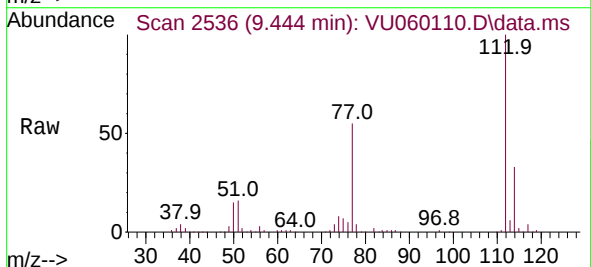
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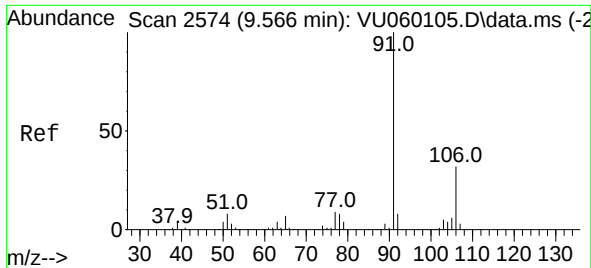
Ion Ratio Lower Upper

112 100

114 33.4 22.1 41.1

77 55.5 44.7 67.1

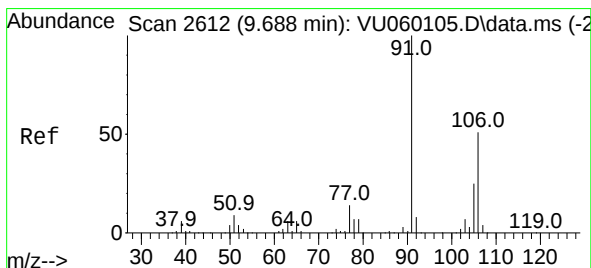
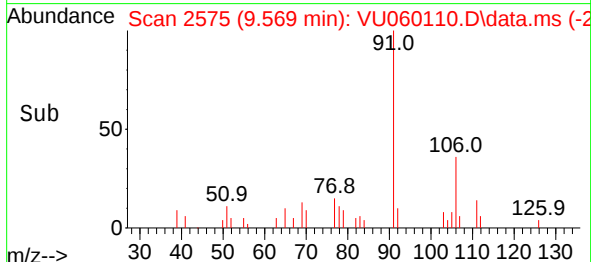
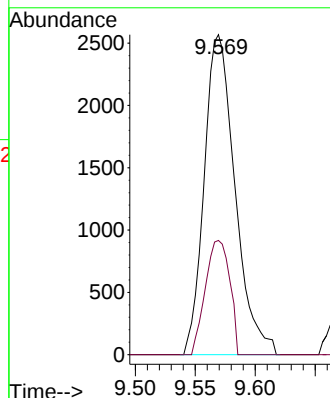
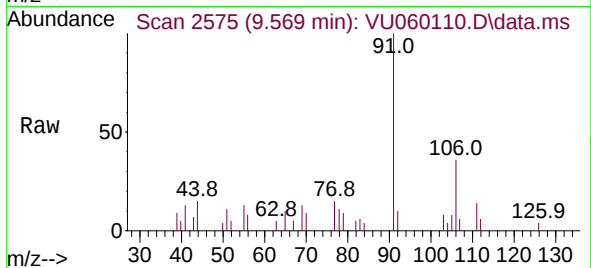




#52
Ethylbenzene
Concen: 0.103 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

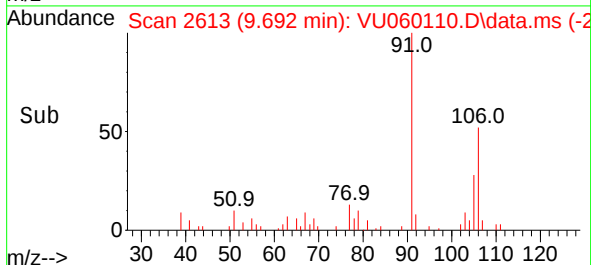
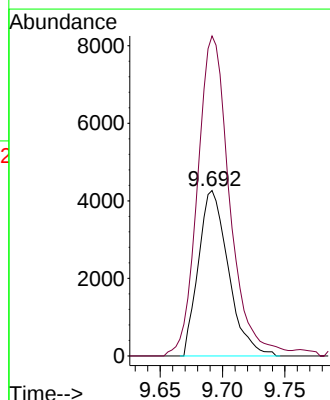
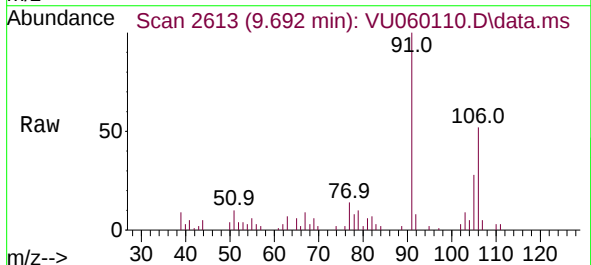
Instrument :
MSVOA_U
ClientSampleId :

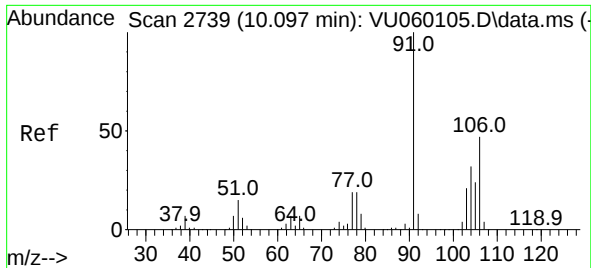
Tgt Ion: 91 Resp: 4595
Ion Ratio Lower Upper
91 100
106 35.7 21.9 40.7



#53
m,p-Xylene
Concen: 0.415 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion: 106 Resp: 7124
Ion Ratio Lower Upper
106 100
91 193.5 141.3 262.5

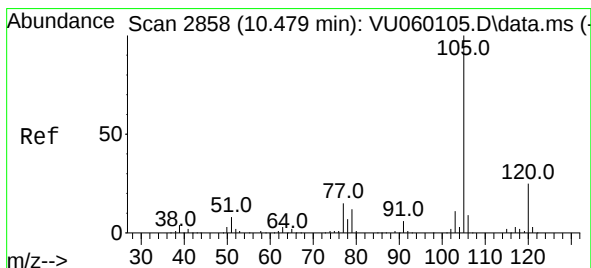
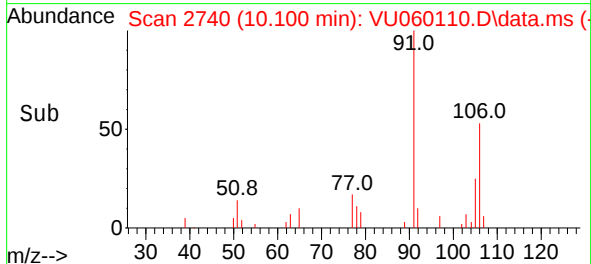
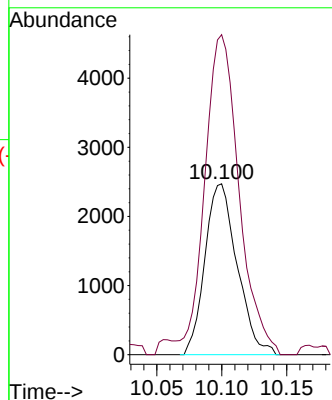
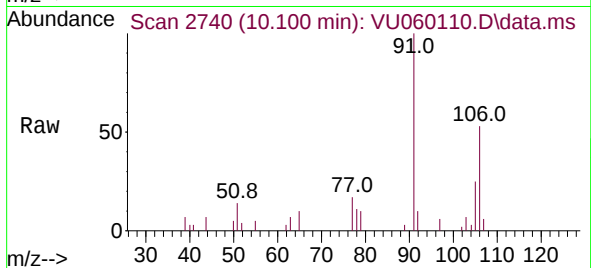




#54
o-Xylene
Concen: 0.259 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

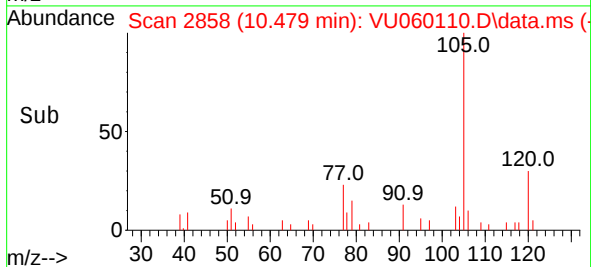
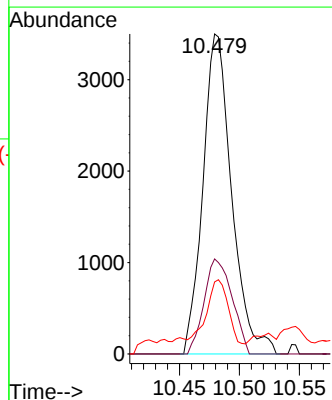
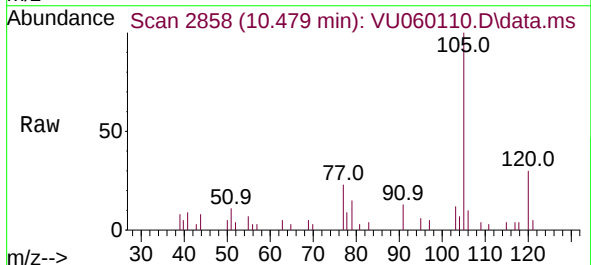
Instrument :
MSVOA_U
ClientSampleId :

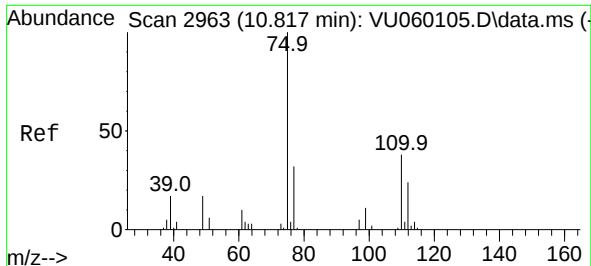
Tgt Ion:106 Resp: 4257
Ion Ratio Lower Upper
106 100
91 187.2 143.6 266.6



#60
Isopropylbenzene
Concen: 0.139 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion:105 Resp: 5827
Ion Ratio Lower Upper
105 100
120 28.8 21.9 32.9
77 0.0 12.1 18.1#

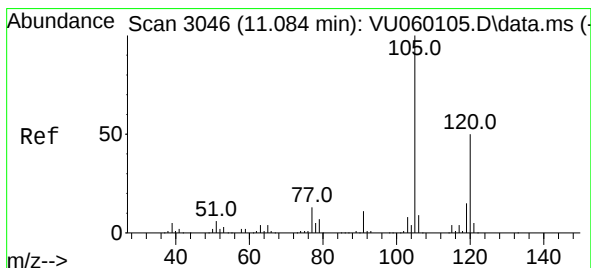
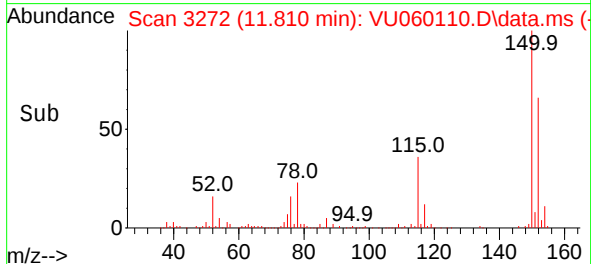
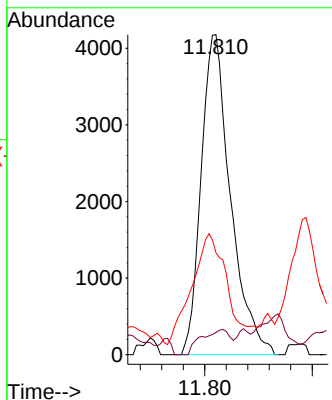
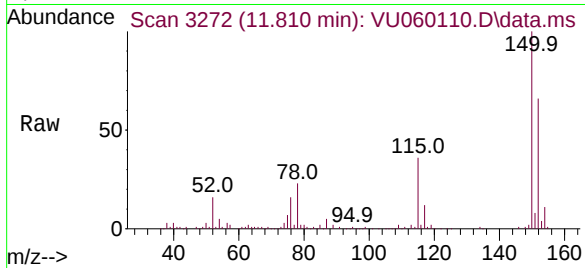




#61
1,2,3-Trichloropropane
Concen: 1.174 ug/L
RT: 11.810 min Scan# 31
Delta R.T. 0.993 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

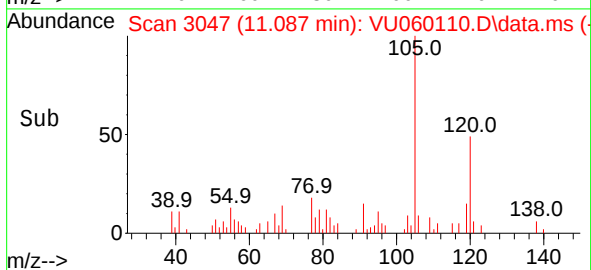
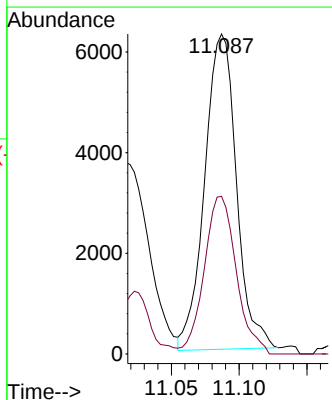
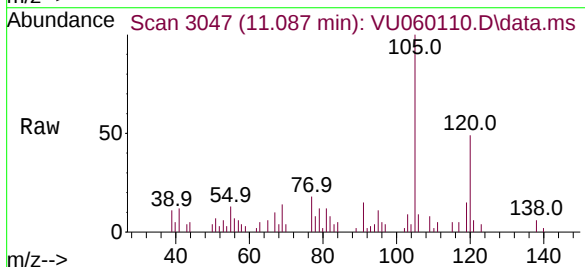
Instrument :
MSVOA_U
ClientSampleId :

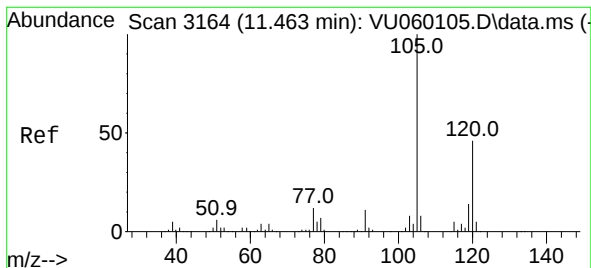
Tgt Ion: 75 Resp: 7918
Ion Ratio Lower Upper
75 100
110 7.8 30.8 46.2#
77 42.5 26.2 39.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.320 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU060110.D
Acq: 23 Jul 2024 13:21

Tgt Ion:105 Resp: 10212
Ion Ratio Lower Upper
105 100
120 50.5 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 0.558 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Instrument :

MSVOA_U

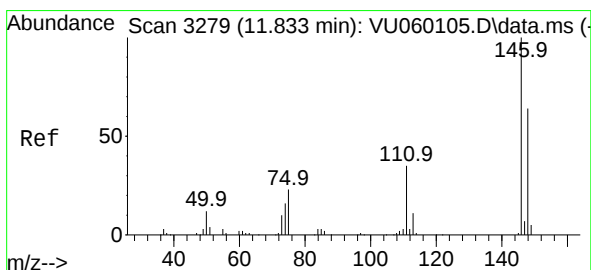
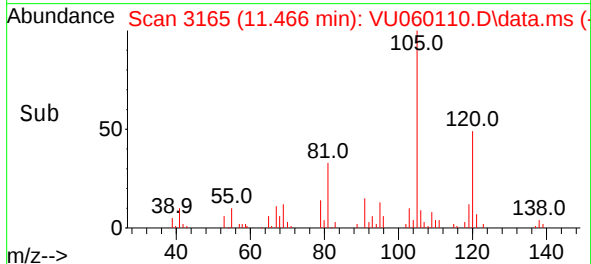
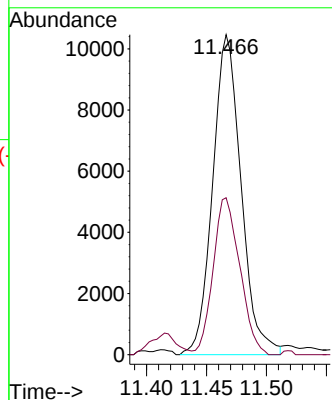
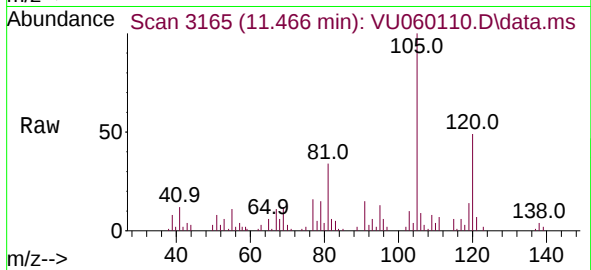
ClientSampleId :

Tgt Ion:105 Resp: 17229

Ion Ratio Lower Upper

105 100

120 46.1 36.7 55.1



#65

1,4-Dichlorobenzene

Concen: 0.196 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

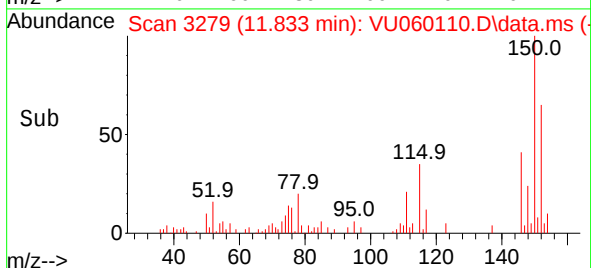
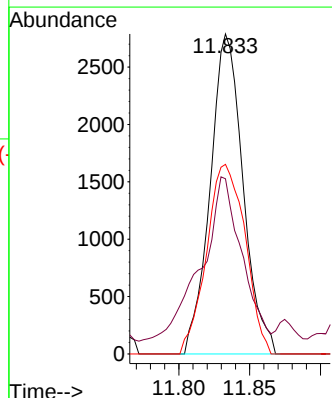
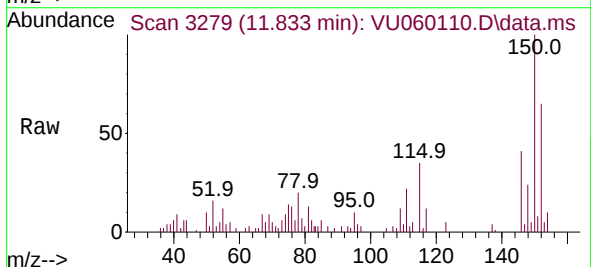
Tgt Ion:146 Resp: 4495

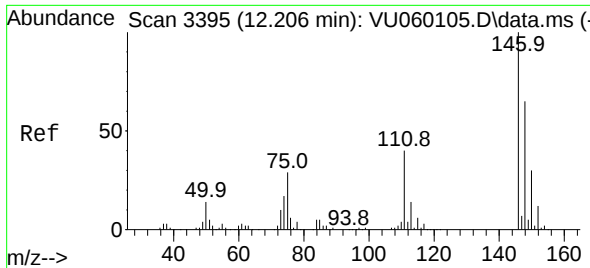
Ion Ratio Lower Upper

146 100

111 54.8 26.5 49.1#

148 59.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 1.552 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Instrument :

MSVOA_U

ClientSampleId :

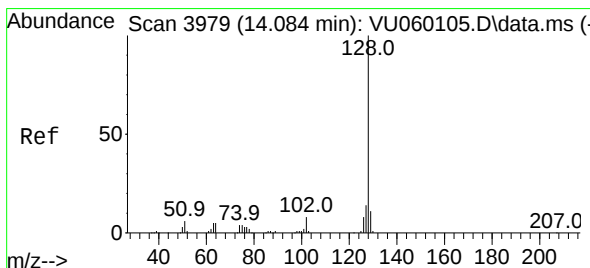
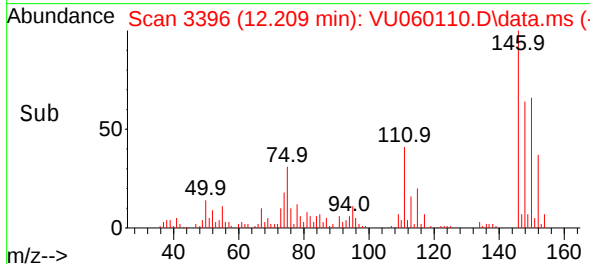
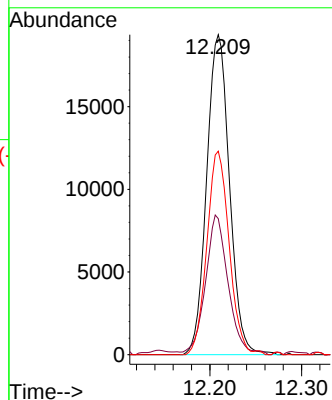
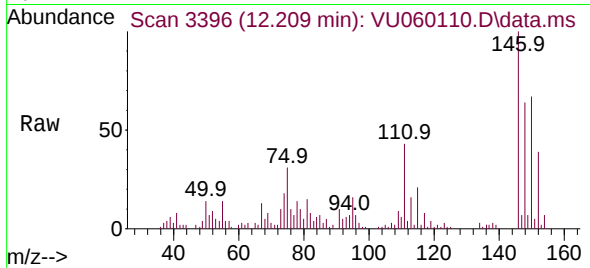
Tgt Ion:146 Resp: 33432

Ion Ratio Lower Upper

146 100

111 42.5 30.9 46.3

148 63.6 49.8 74.8



#71

Naphthalene

Concen: 0.363 ug/L

RT: 14.093 min Scan# 3982

Delta R.T. 0.010 min

Lab File: VU060110.D

Acq: 23 Jul 2024 13:21

Tgt Ion:128 Resp: 6658

Ion Ratio Lower Upper

128 100

129 6.7 8.2 12.4#

127 16.0 10.6 16.0#

