

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
 Data File : VU060102.D
 Acq On : 22 Jul 2024 19:10
 Operator : MD/SY
 Sample : P3325-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B33

Quant Time: Jul 23 08:16:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 23 07:21:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	118284	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	124233	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	32132	3.904	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.908	69	32513	4.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.560	65	12416	3.864	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	4.621	46	105551	54.858	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.720%
24) Chloroform-d	5.055	84	82000	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.695	65	37827	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	138901	4.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.685	67	48768	4.598	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.894	98	109782	3.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.177	79	15269	4.229	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.628	63	84716	52.877	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	48271	5.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	50930	4.745	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	5057	0.418	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	27186	2.728	ug/L	100
12) 1,1-Dichloroethene	2.573	96	143888	15.937	ug/L #	79
16) Methylene chloride	3.036	84	1178615	106.474	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	7190	0.349	ug/L	94
18) trans-1,2-Dichloroethene	3.348	96	3488	0.371	ug/L	91
19) 1,1-Dichloroethane	3.862	63	42457	2.381	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	483573	45.972	ug/L	99
25) Chloroform	5.078	83	141975	7.240	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	13282	0.856	ug/L	98
31) Carbon tetrachloride	5.518	117	22211	1.659	ug/L	94
33) Benzene	5.769	78	6185	0.151	ug/L	100
34) Trichloroethene	6.538	95	17632411	1619.946	ug/L	95
38) Bromodichloromethane	7.103	83	3258	0.235	ug/L #	89
42) Toluene	7.965	91	34228	0.784	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	3748	0.442	ug/L	94
47) Tetrachloroethene	8.547	164	412781	45.866	ug/L	99
52) Ethylbenzene	9.566	91	32588	0.748	ug/L	95
53) m,p-Xylene	9.689	106	84783	5.039	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
Data File : VU060102.D
Acq On : 22 Jul 2024 19:10
Operator : MD/SY
Sample : P3325-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B33

Quant Time: Jul 23 08:16:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 23 07:21:00 2024
Response via : Initial Calibration

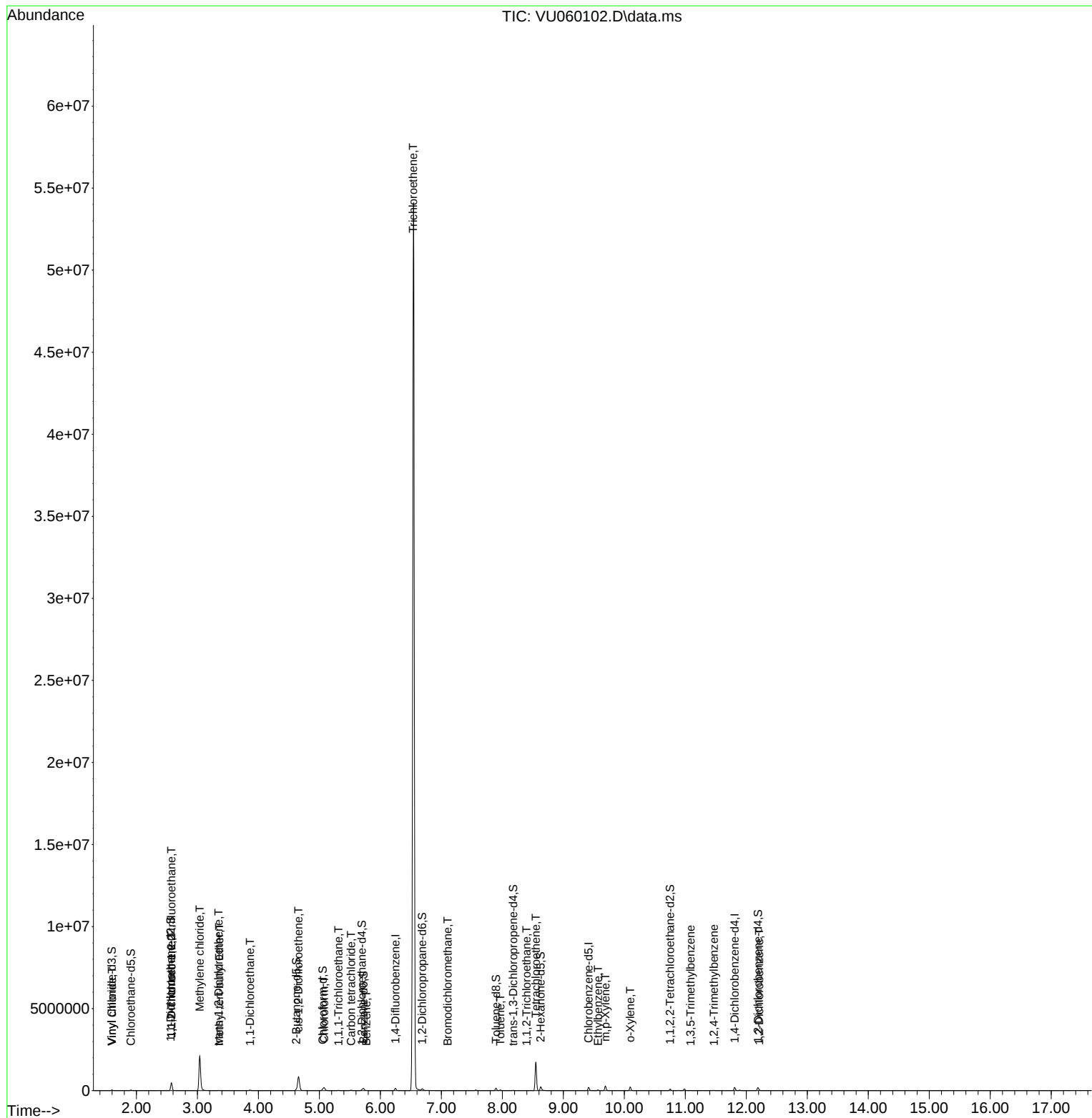
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.097	106	64281	3.995	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	4606	0.155	ug/L	97
63) 1,2,4-Trimethylbenzene	11.467	105	10573	0.368	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	18055	0.901	ug/L	99

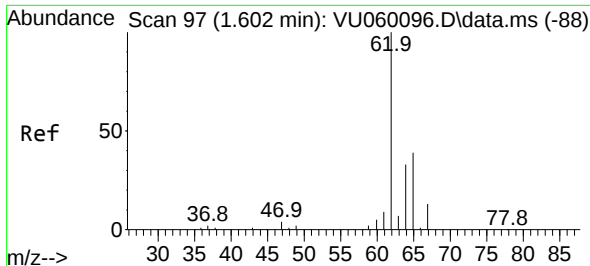
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
Data File : VU060102.D
Acq On : 22 Jul 2024 19:10
Operator : MD/SY
Sample : P3325-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B33

Quant Time: Jul 23 08:16:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 23 07:21:00 2024
Response via : Initial Calibration

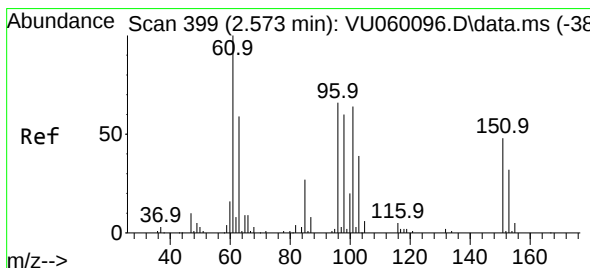
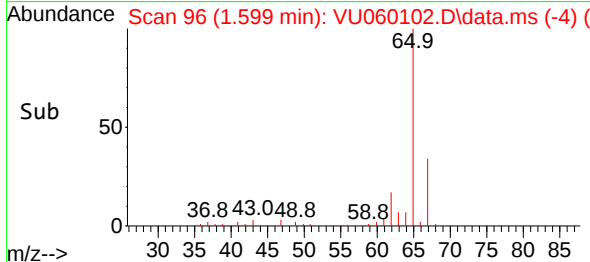
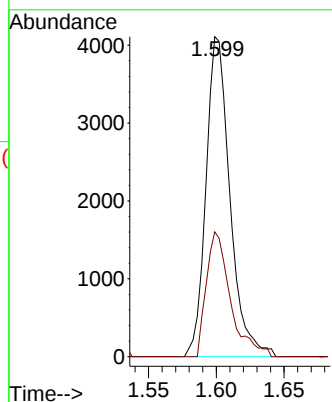
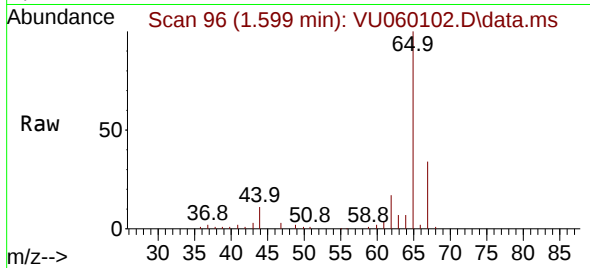




#5
 Vinyl chloride
 Concen: 0.418 ug/L
 RT: 1.599 min Scan# 97
 Delta R.T. -0.003 min
 Lab File: VU060102.D
 Acq: 22 Jul 2024 19:10

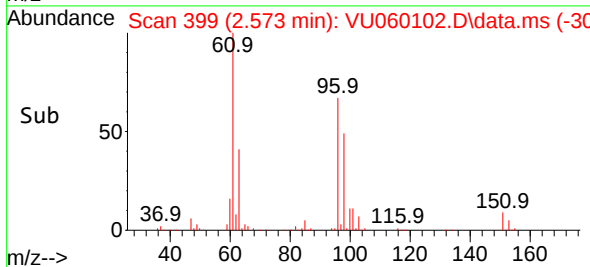
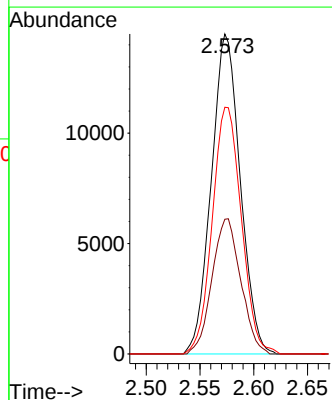
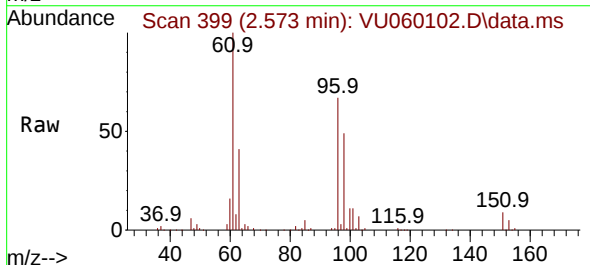
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B33

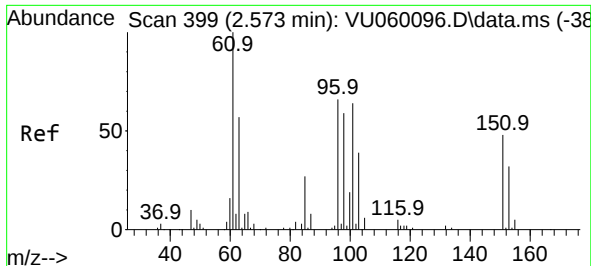
Tgt Ion: 62 Resp: 5057
 Ion Ratio Lower Upper
 62 100
 64 39.0 22.8 42.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.728 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060102.D
 Acq: 22 Jul 2024 19:10

Tgt Ion: 101 Resp: 27186
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.2 49.8
 151 77.3 61.8 92.8





#12

1,1-Dichloroethene

Concen: 15.937 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

C0B33

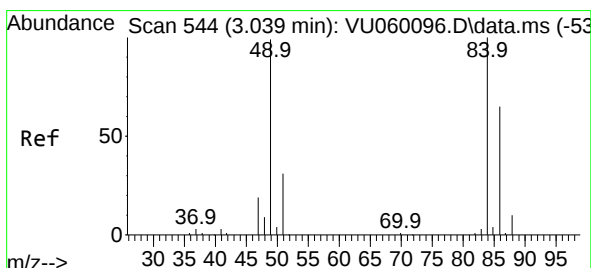
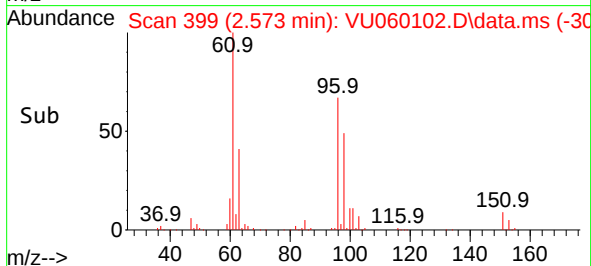
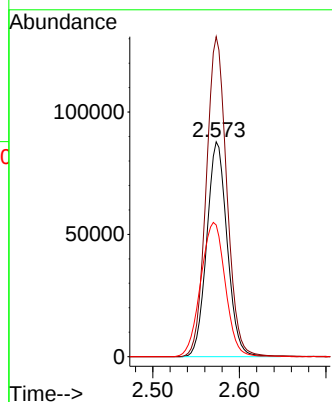
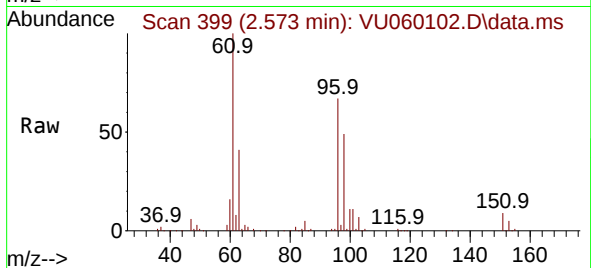
Tgt Ion: 96 Resp: 143888

Ion Ratio Lower Upper

96 100

61 148.9 107.0 198.6

63 61.3 76.4 142.0#



#16

Methylene chloride

Concen: 106.474 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

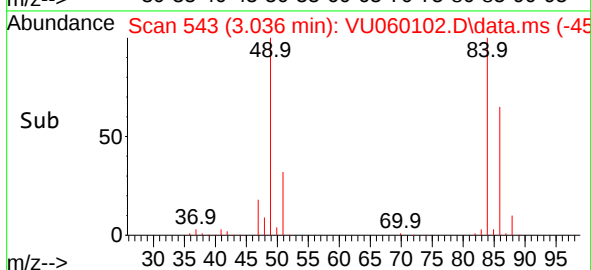
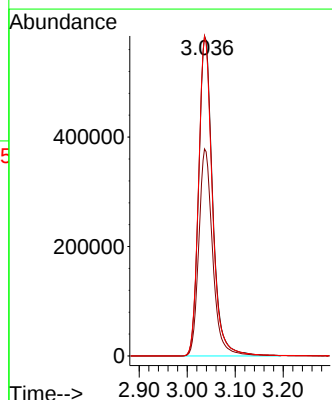
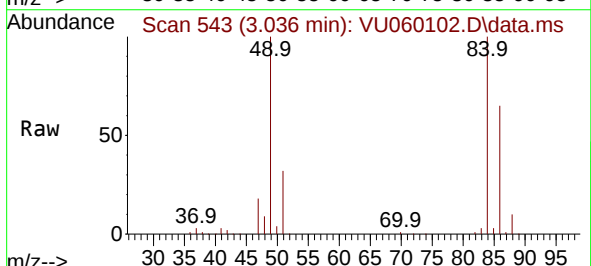
Tgt Ion: 84 Resp: 1178615

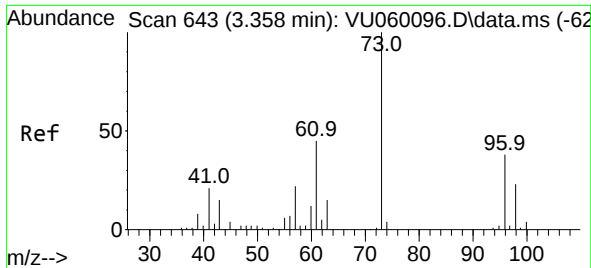
Ion Ratio Lower Upper

84 100

86 64.7 44.4 82.5

49 99.9 72.0 133.6

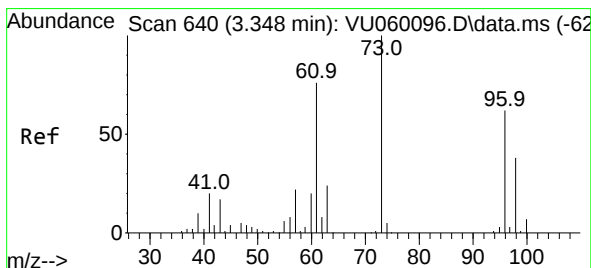
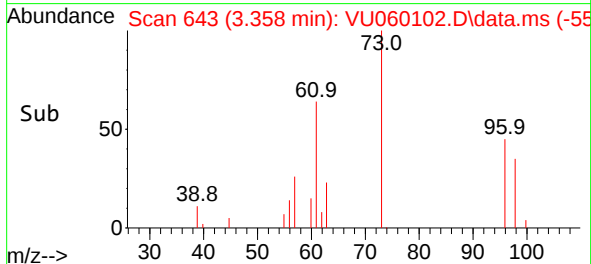
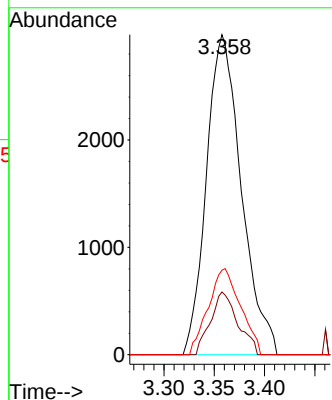
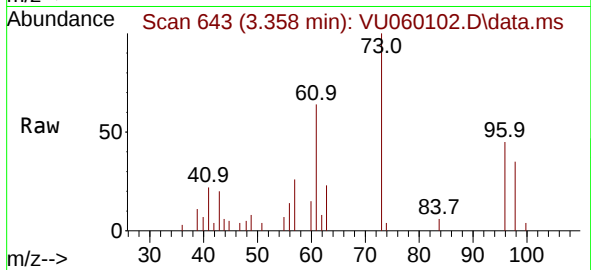




#17
Methyl tert-butyl Ether
Concen: 0.349 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

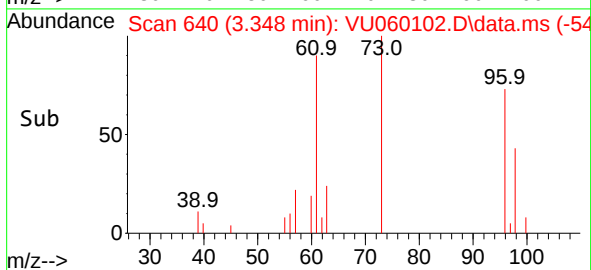
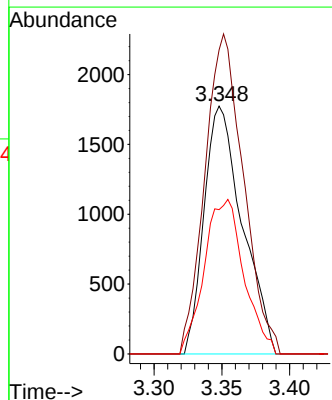
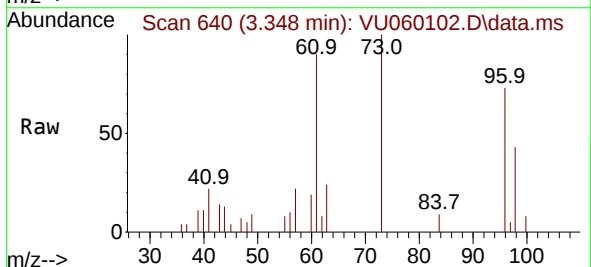
Instrument :
MSVOA_U
ClientSampleId :
C0B33

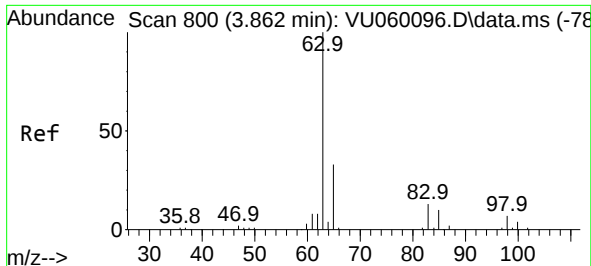
Tgt Ion: 73	Resp: 7190
Ion Ratio	Lower Upper
73 100	
43 15.4	13.1 19.7
57 25.0	17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 0.371 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

Tgt Ion: 96	Resp:	3488	
Ion	Ratio	Lower	Upper
96	100		
61	122.7	91.6	170.0
98	58.2	47.7	88.5





#19

1,1-Dichloroethane

Concen: 2.381 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

C0B33

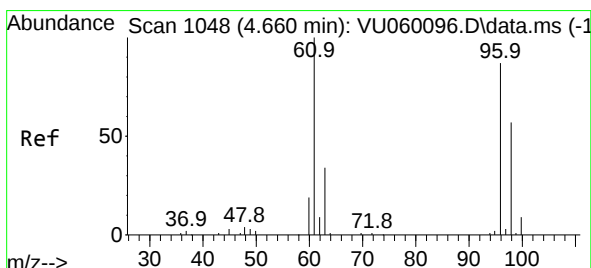
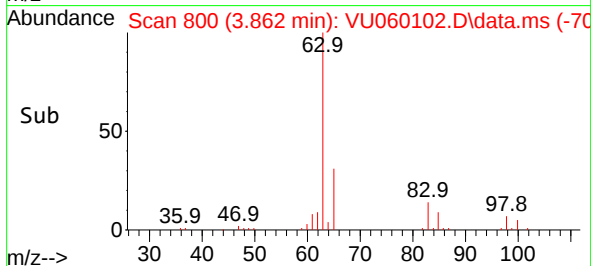
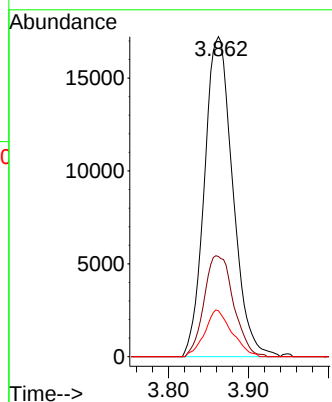
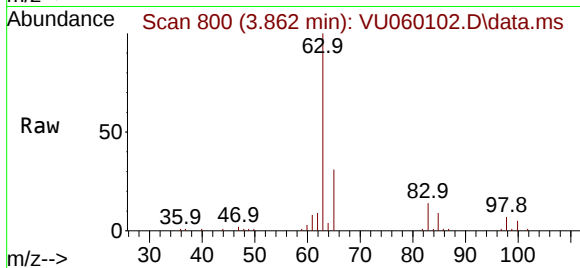
Tgt Ion: 63 Resp: 42457

Ion Ratio Lower Upper

63 100

65 31.3 22.0 40.8

83 14.3 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 45.972 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

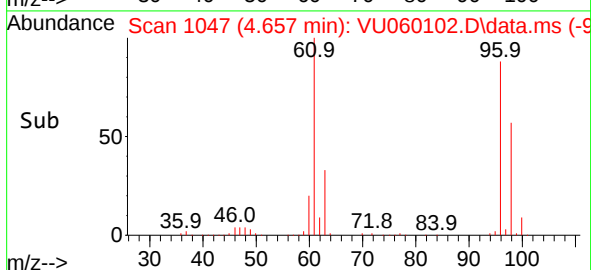
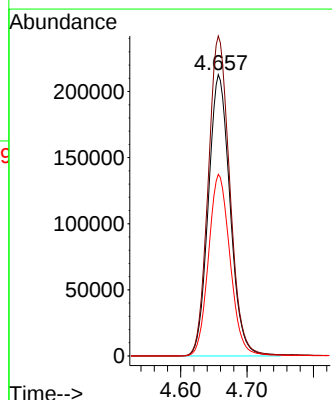
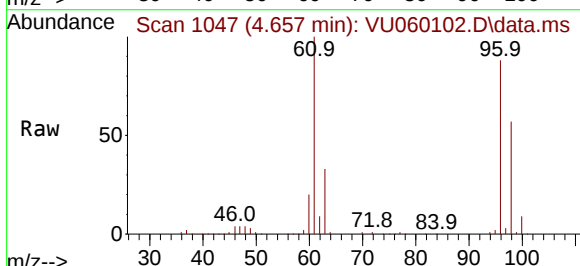
Tgt Ion: 96 Resp: 483573

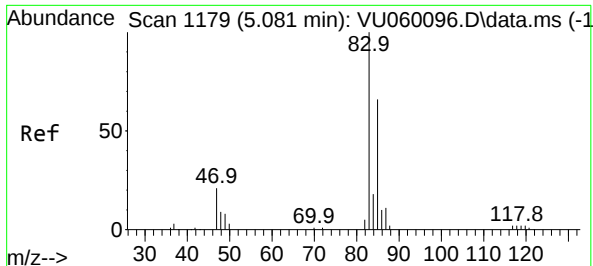
Ion Ratio Lower Upper

96 100

61 113.8 80.2 148.9

98 64.6 44.7 83.1





#25

Chloroform

Concen: 7.240 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

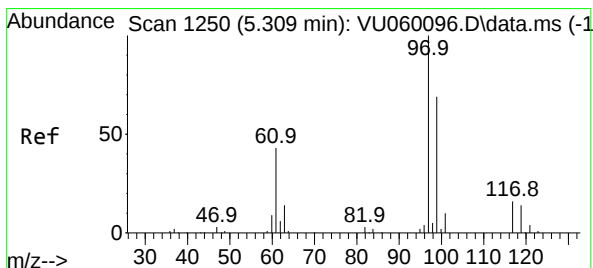
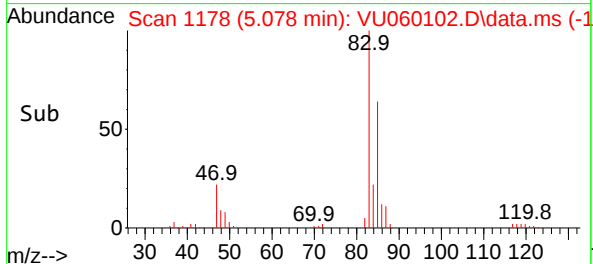
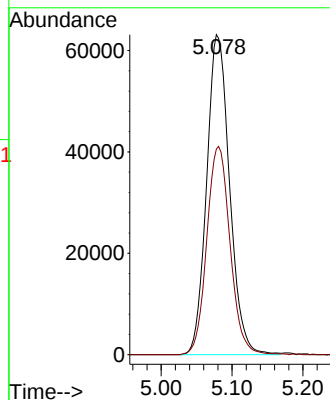
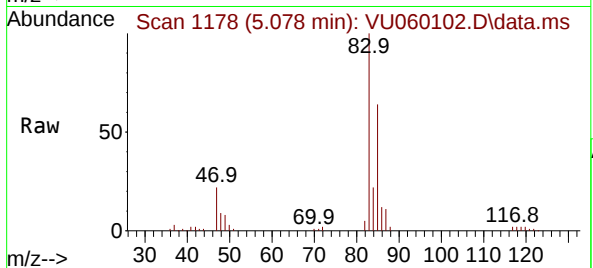
C0B33

Tgt Ion: 83 Resp: 141975

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2



#29

1,1,1-Trichloroethane

Concen: 0.856 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

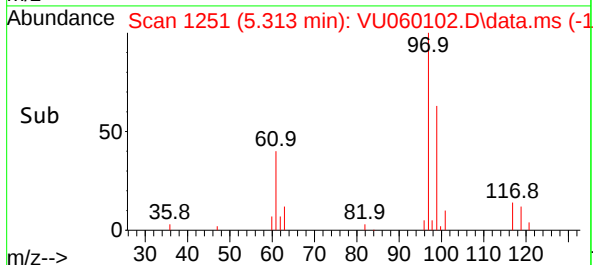
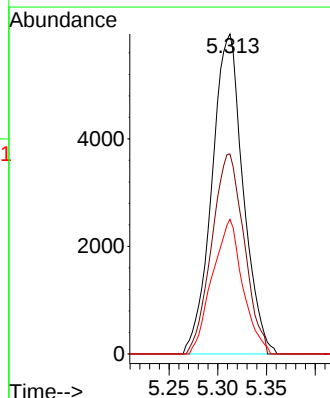
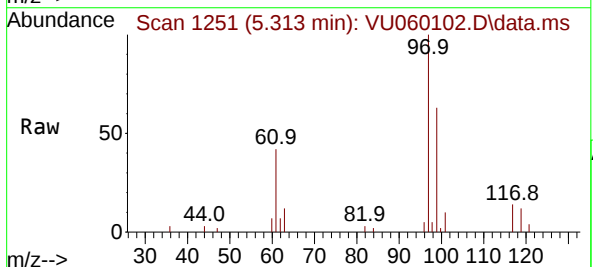
Tgt Ion: 97 Resp: 13282

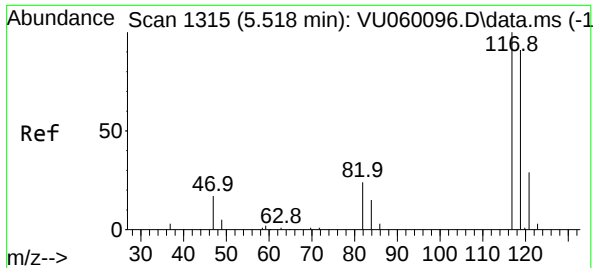
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 40.9 34.1 51.1

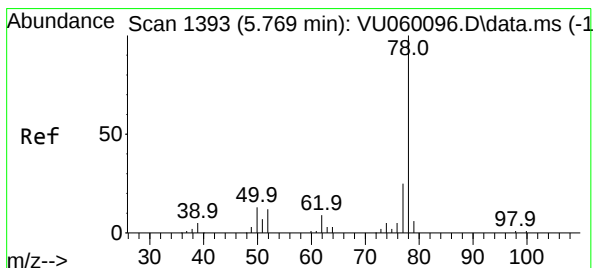
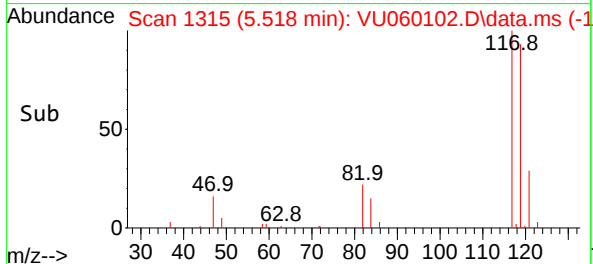
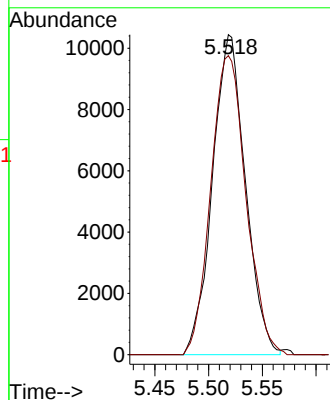
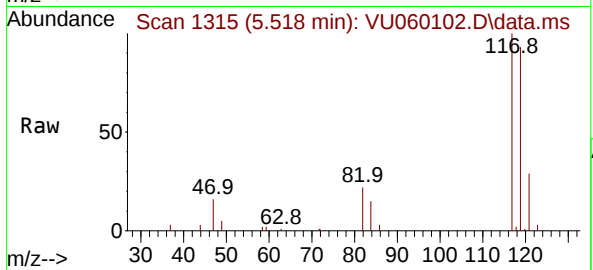




#31
Carbon tetrachloride
Concen: 1.659 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

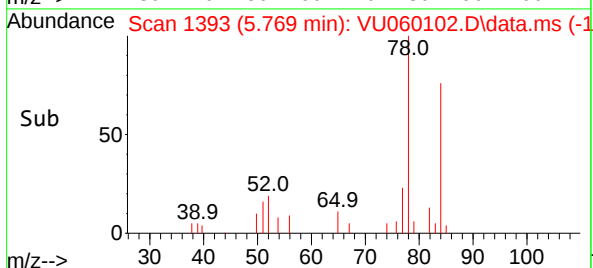
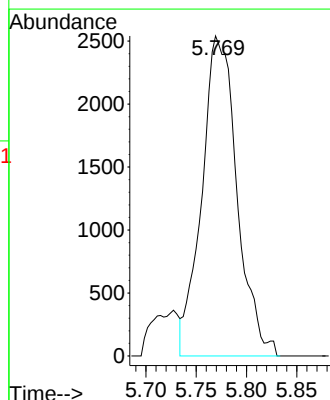
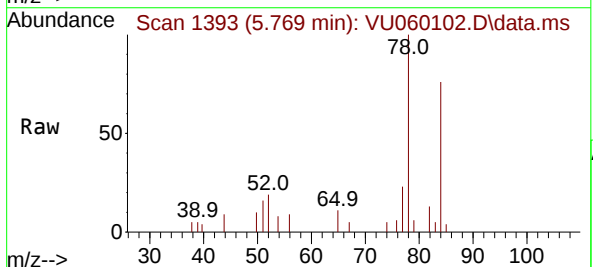
Instrument :
MSVOA_U
ClientSampleId :
C0B33

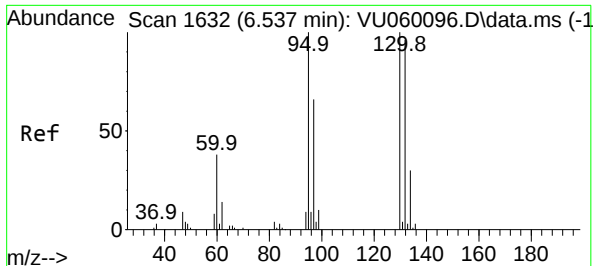
Tgt Ion:117 Resp: 22211
Ion Ratio Lower Upper
117 100
119 100.0 75.6 113.4



#33
Benzene
Concen: 0.151 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

Tgt Ion: 78 Resp: 6185



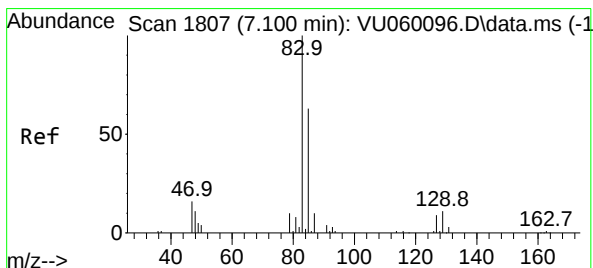
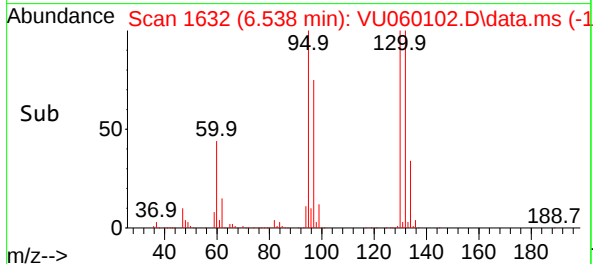
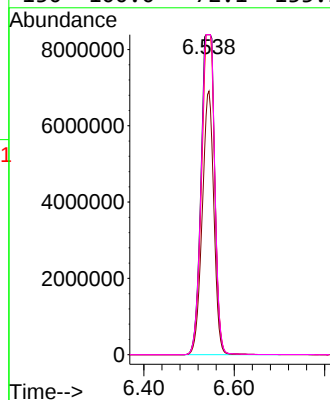
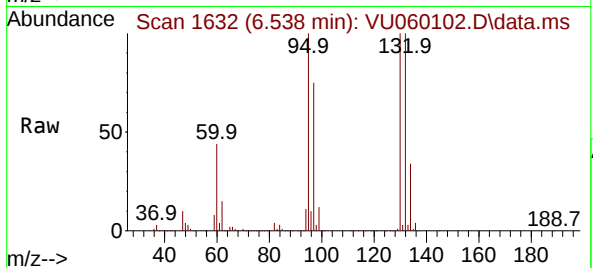


#34
Trichloroethene
Concen: 1619.946 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

Instrument :
MSVOA_U
ClientSampleId :
C0B33

Tgt Ion: 95 Resp:17632411

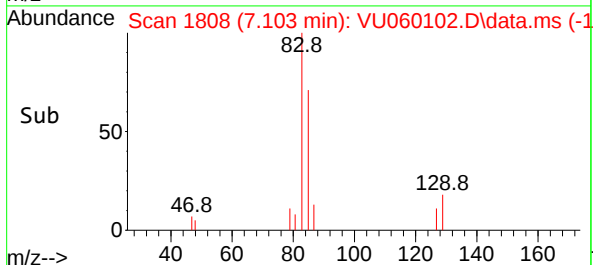
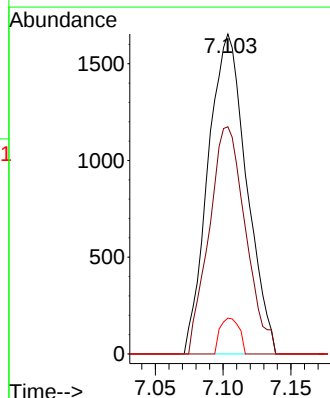
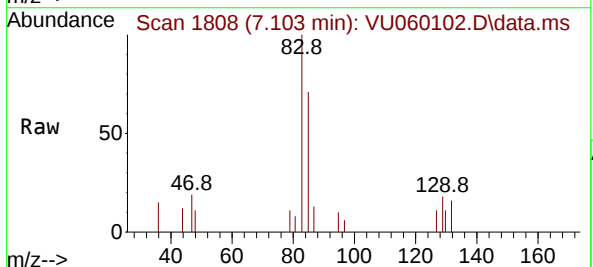
Ion	Ratio	Lower	Upper
95	100		
97	74.7	45.9	85.3
132	100.0	71.4	132.6
130	100.0	72.1	133.9

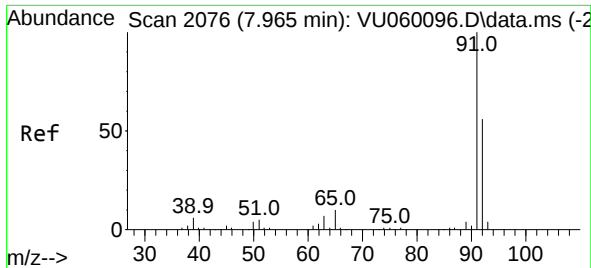


#38
Bromodichloromethane
Concen: 0.235 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

Tgt Ion: 83 Resp: 3258

Ion	Ratio	Lower	Upper
83	100		
85	71.0	43.5	80.7
127	11.2	7.1	10.7#





#42

Toluene

Concen: 0.784 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

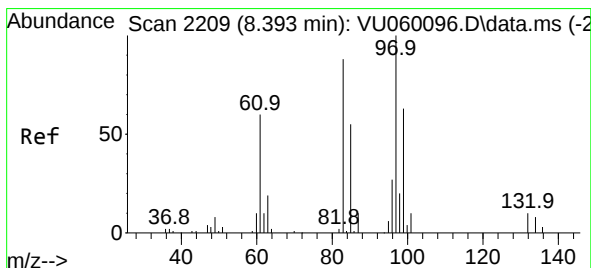
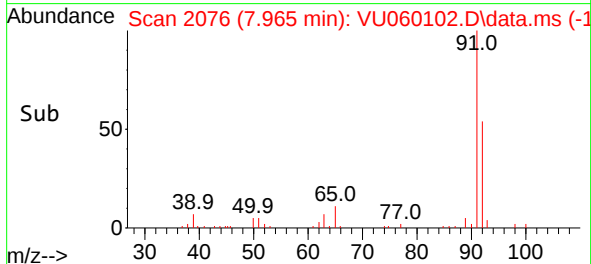
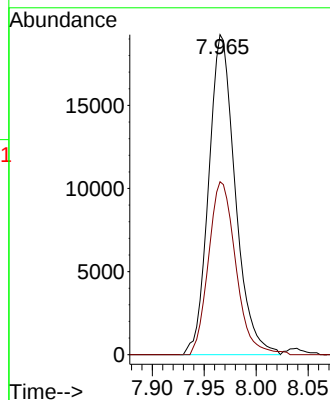
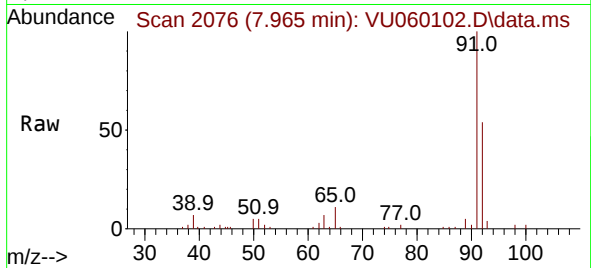
C0B33

Tgt Ion: 91 Resp: 34228

Ion Ratio Lower Upper

91 100

92 54.1 39.8 73.8



#45

1,1,2-Trichloroethane

Concen: 0.442 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Tgt Ion: 97 Resp: 3748

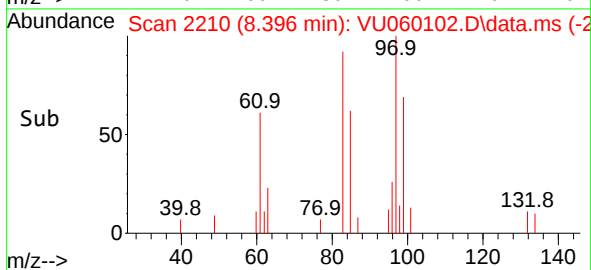
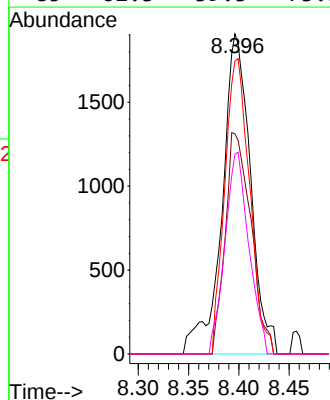
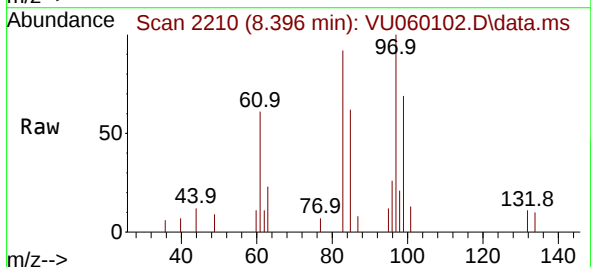
Ion Ratio Lower Upper

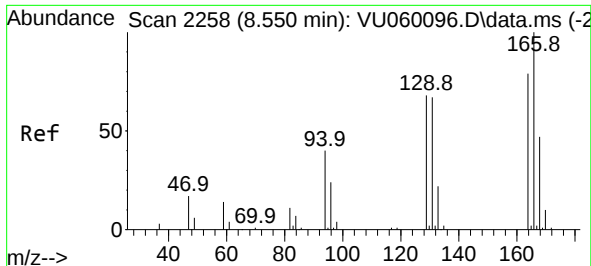
97 100

99 68.8 43.8 81.4

83 91.6 62.1 115.3

85 62.3 39.3 73.1





#47

Tetrachloroethene

Concen: 45.866 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

C0B33

Tgt Ion:164 Resp: 412781

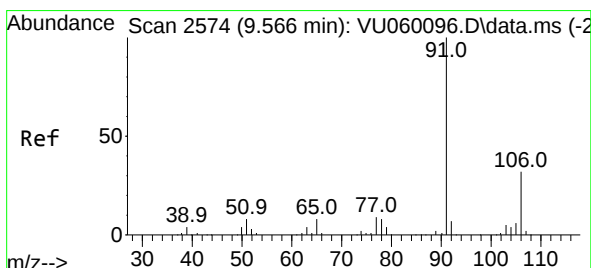
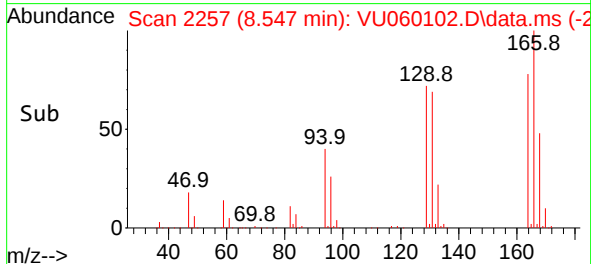
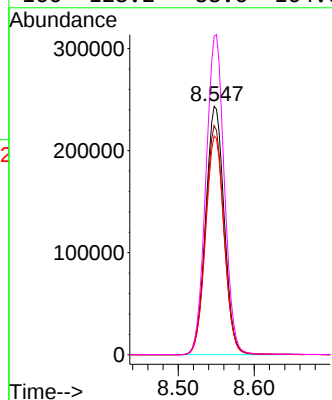
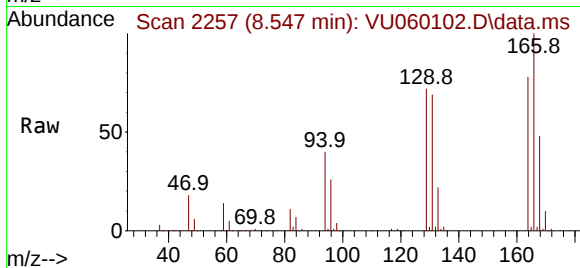
Ion Ratio Lower Upper

164 100

129 92.3 64.6 120.0

131 88.1 61.2 113.8

166 128.2 88.6 164.6



#52

Ethylbenzene

Concen: 0.748 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU060102.D

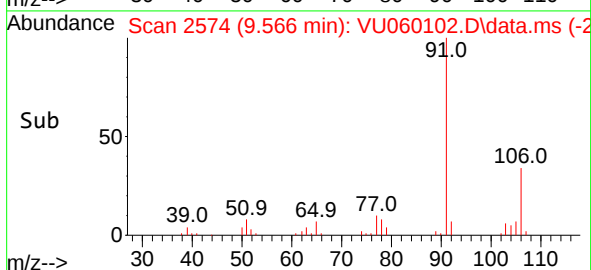
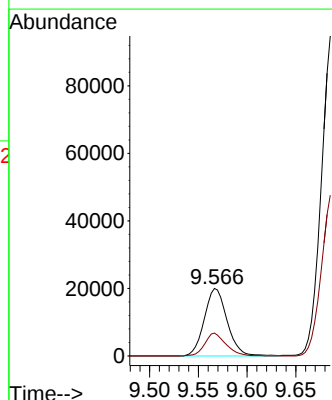
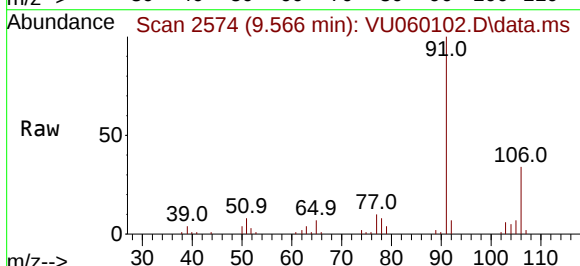
Acq: 22 Jul 2024 19:10

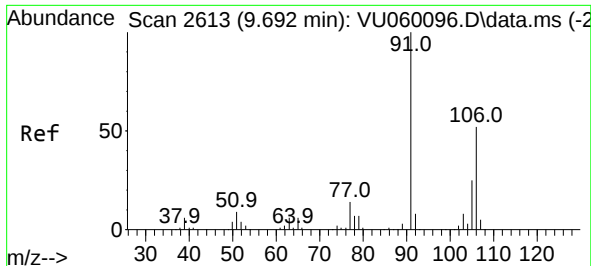
Tgt Ion: 91 Resp: 32588

Ion Ratio Lower Upper

91 100

106 33.8 21.9 40.7





#53

m,p-Xylene

Concen: 5.039 ug/L

RT: 9.689 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060102.D

Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

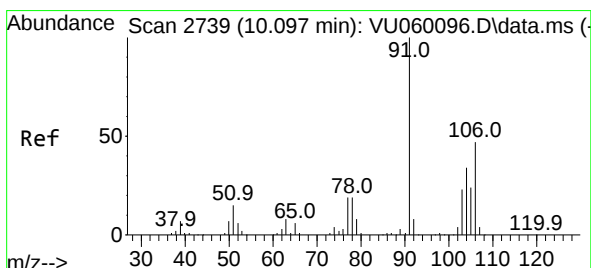
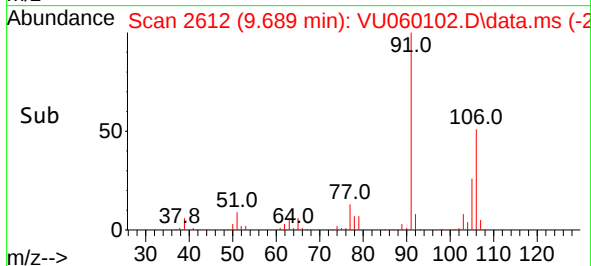
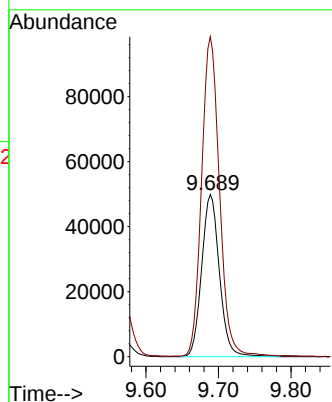
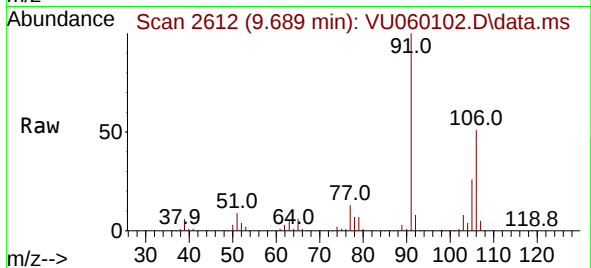
C0B33

Tgt Ion:106 Resp: 84783

Ion Ratio Lower Upper

106 100

91 197.5 141.3 262.5



#54

o-Xylene

Concen: 3.995 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU060102.D

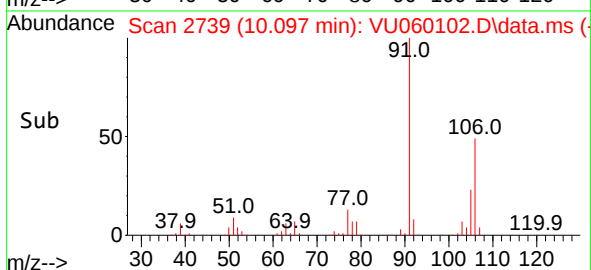
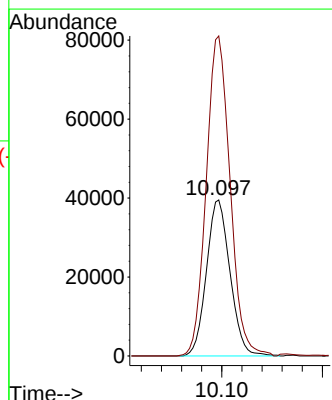
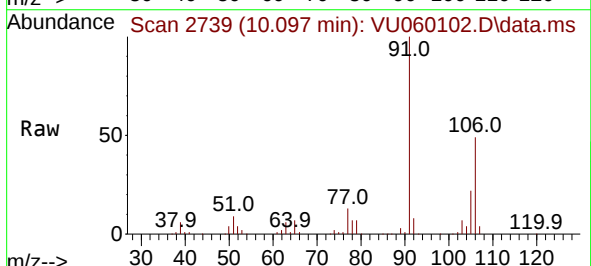
Acq: 22 Jul 2024 19:10

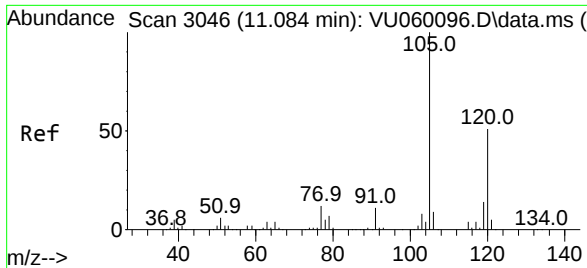
Tgt Ion:106 Resp: 64281

Ion Ratio Lower Upper

106 100

91 205.1 143.6 266.6

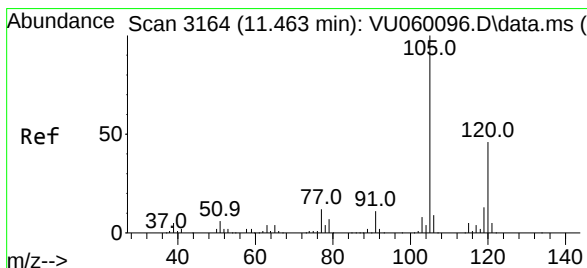
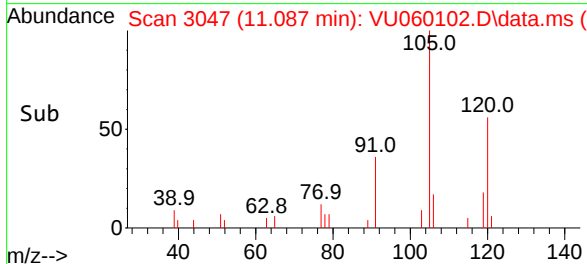
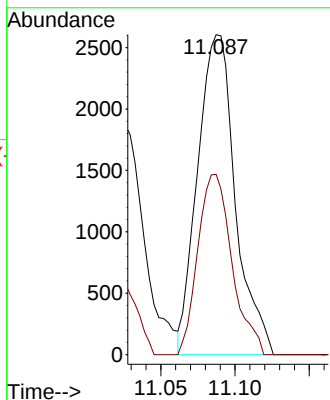
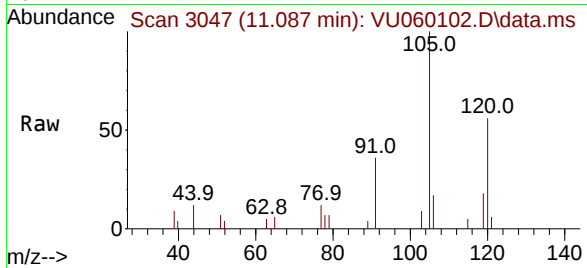




#62
1,3,5-Trimethylbenzene
Concen: 0.155 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

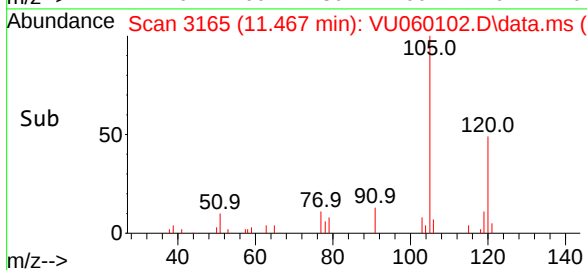
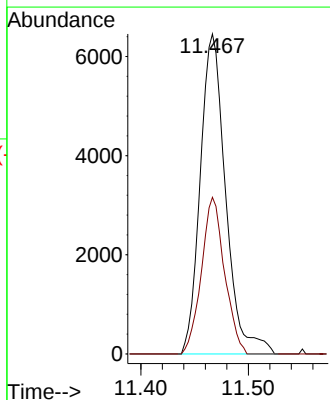
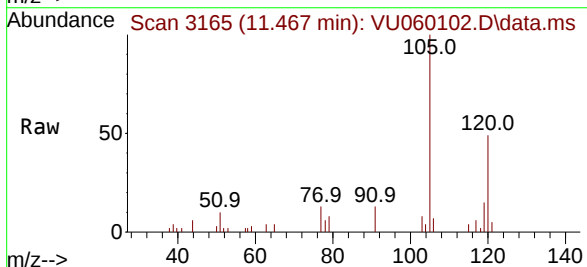
Instrument :
MSVOA_U
ClientSampleId :
C0B33

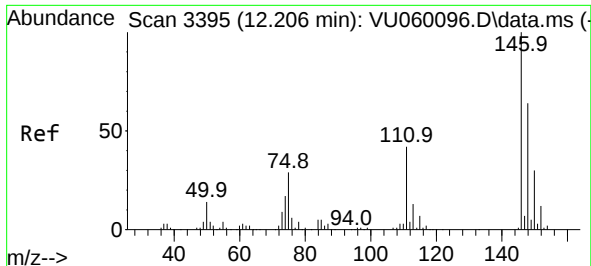
Tgt Ion:105 Resp: 4606
Ion Ratio Lower Upper
105 100
120 51.0 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.368 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU060102.D
Acq: 22 Jul 2024 19:10

Tgt Ion:105 Resp: 10573
Ion Ratio Lower Upper
105 100
120 44.5 36.7 55.1





#67

1,2-Dichlorobenzene

Concen: 0.901 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU060102.D

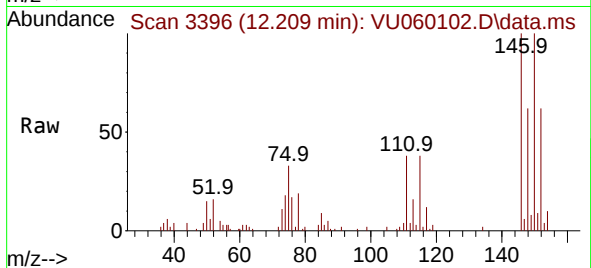
Acq: 22 Jul 2024 19:10

Instrument :

MSVOA_U

ClientSampleId :

C0B33



Tgt Ion:146 Resp: 18055

Ion Ratio Lower Upper

146 100

111 38.0 30.9 46.3

148 61.8 49.8 74.8

