

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071224\
 Data File : U059915.D
 Acq On : 12 Jul 2024 12:40
 Operator : MD/SY
 Sample : P3217-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 03:54:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	136388	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148539	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	83644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22711	2.395	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.800%
7) Chloroethane-d5	1.907	69	24012	2.631	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.600%#
11) 1,1-Dichloroethene-d2	2.554	65	10777	2.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	4.637	46	74472	38.122	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.240%
24) Chloroform-d	5.052	84	67726	3.479	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
26) 1,2-Dichloroethane-d4	5.695	65	32753	3.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.800%#
32) Benzene-d6	5.718	84	114249	2.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	55.800%#
36) 1,2-Dichloropropane-d6	6.685	67	42777	3.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.200%
41) Toluene-d8	7.891	98	88370	2.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	46.600%#
43) trans-1,3-Dichloroprop...	8.177	79	13198	3.365	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.200%
46) 2-Hexanone-d5	8.631	63	74779	45.882	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47244	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	56724	3.810	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.200%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	4795	0.349	ug/L	85
8) Chloroethane	2.178	64	14520	1.754	ug/L #	50
22) cis-1,2-Dichloroethene	4.660	96	10449	0.942	ug/L	96
33) Benzene	5.769	78	18545	0.411	ug/L	100
35) Methylcyclohexane	6.682	83	9236	0.531	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	4247	0.364	ug/L #	97
42) Toluene	7.965	91	29396	0.616	ug/L	99
45) 1,1,2-Trichloroethane	8.271	97	3167	0.368	ug/L #	17
52) Ethylbenzene	9.566	91	15418	0.315	ug/L	93
53) m,p-Xylene	9.688	106	6929	0.368	ug/L	90
54) o-Xylene	10.094	106	13096	0.733	ug/L	98
60) Isopropylbenzene	10.991	105	37931	0.734	ug/L #	91
61) 1,2,3-Trichloropropane	11.283	75	1097	0.142	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	454464	11.102	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	454464	11.613	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	6905	0.263	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	24504	0.906	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	109610	4.432	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	1010	0.670	ug/L #	6

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 13 03:52:33 2024
Response via : Initial Calibration

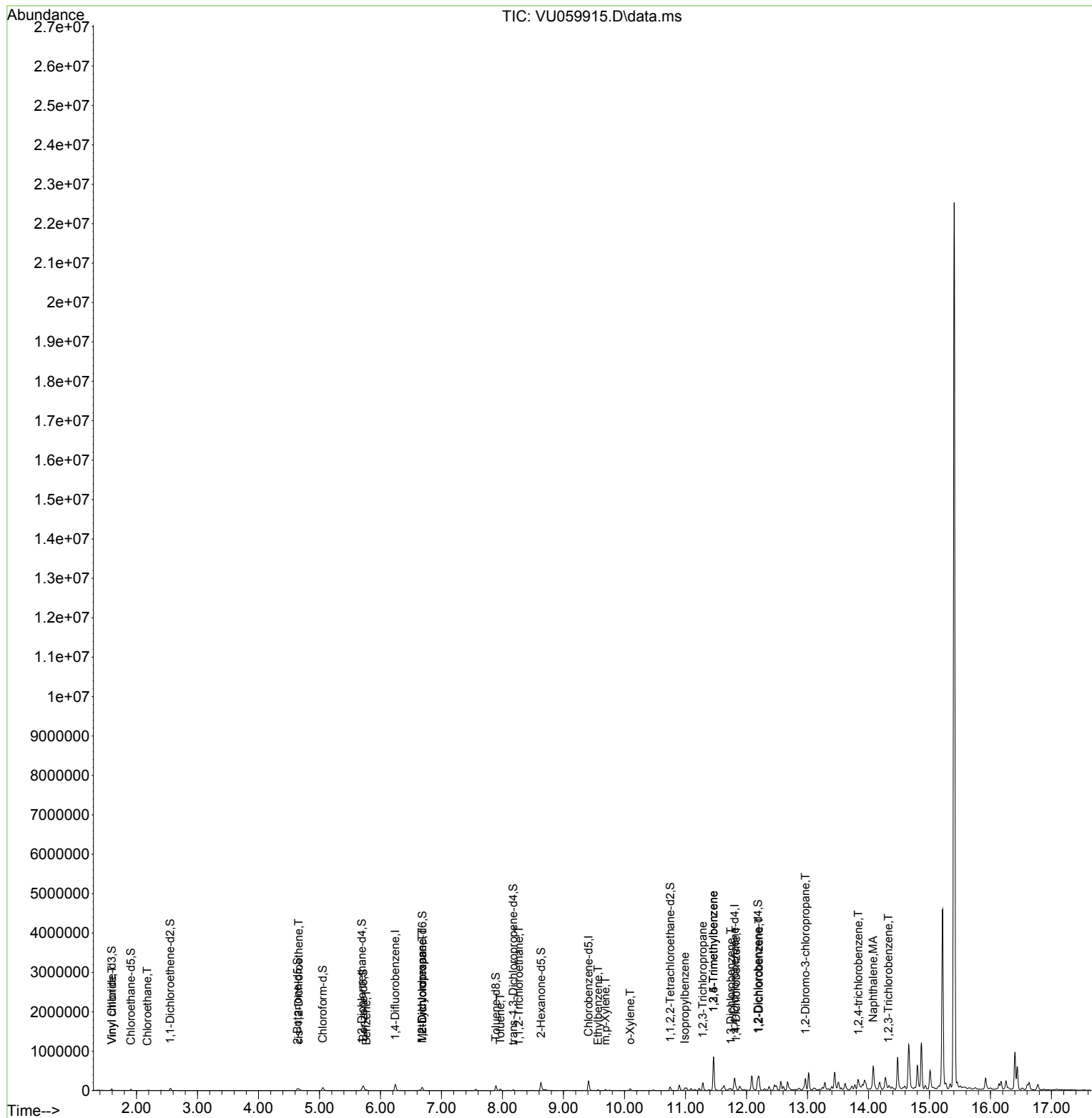
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.833	180	12434	0.833	ug/L #	67
71) Naphthalene	14.077	128	488883	22.889	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	3848	0.278	ug/L #	1

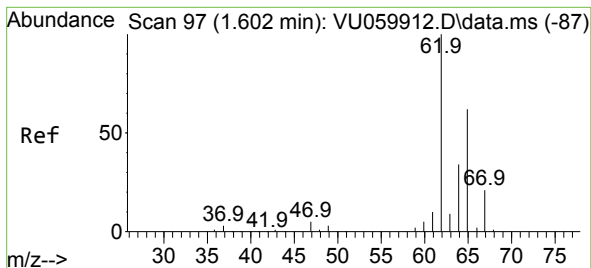
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.349 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Instrument :

MSVOA_U

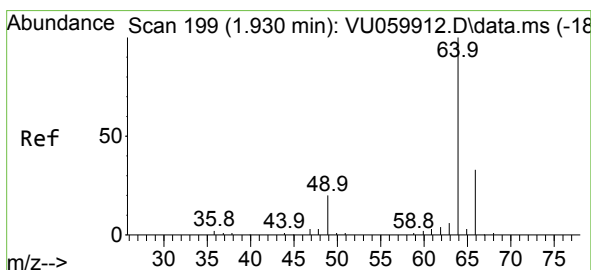
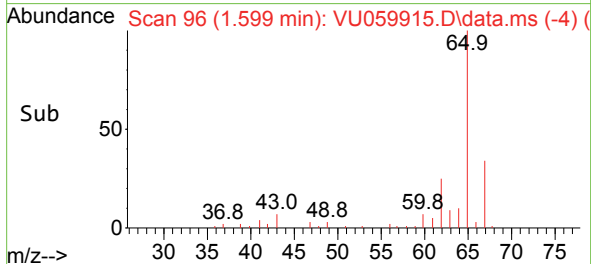
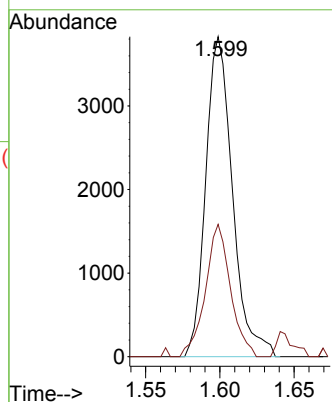
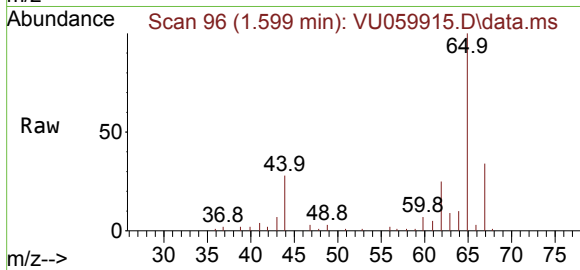
ClientSampleId :

Tgt Ion: 62 Resp: 4795

Ion Ratio Lower Upper

62 100

64 41.3 23.1 42.9



#8

Chloroethane

Concen: 1.754 ug/L

RT: 2.178 min Scan# 276

Delta R.T. 0.248 min

Lab File: VU059915.D

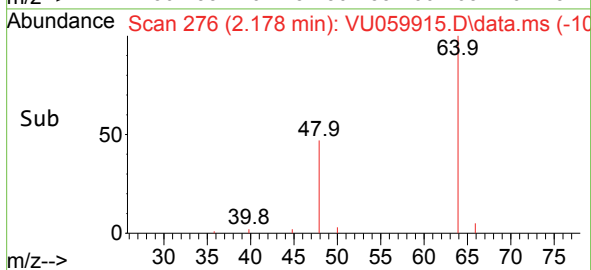
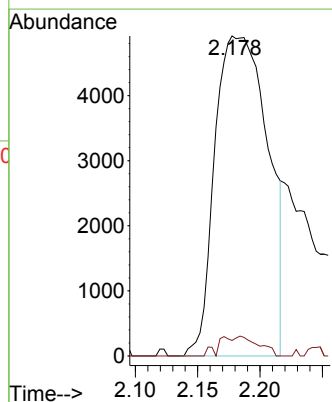
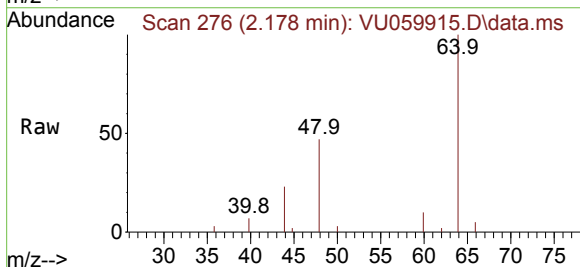
Acq: 12 Jul 2024 12:40

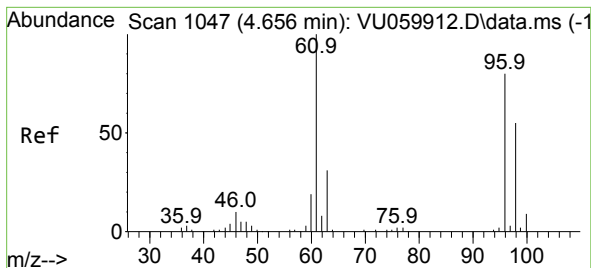
Tgt Ion: 64 Resp: 14520

Ion Ratio Lower Upper

64 100

66 4.8 23.2 43.2#





#22

cis-1,2-Dichloroethene

Concen: 0.942 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.003 min

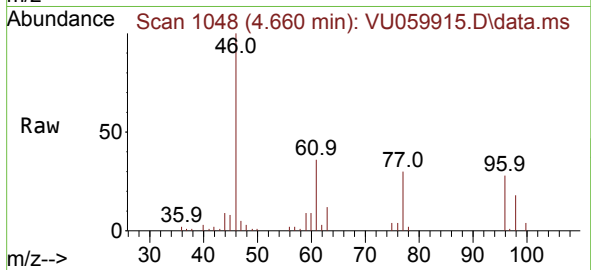
Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Instrument :

MSVOA_U

ClientSampleId :



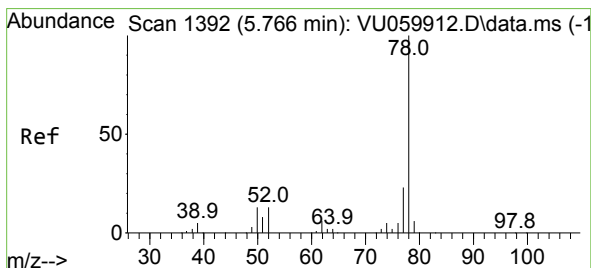
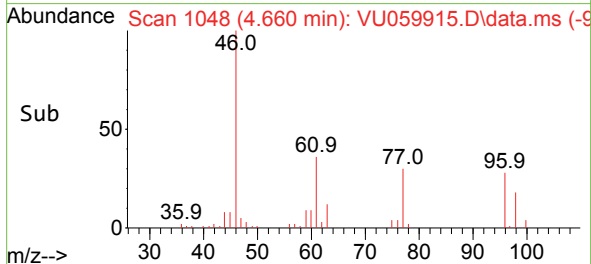
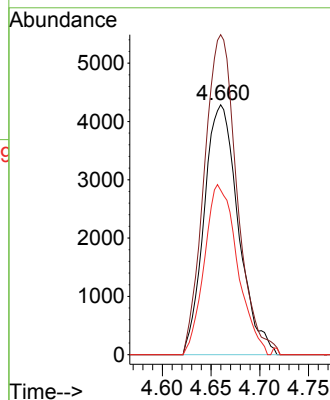
Tgt Ion: 96 Resp: 10449

Ion Ratio Lower Upper

96 100

61 128.0 87.4 162.2

98 65.8 42.3 78.5



#33

Benzene

Concen: 0.411 ug/L

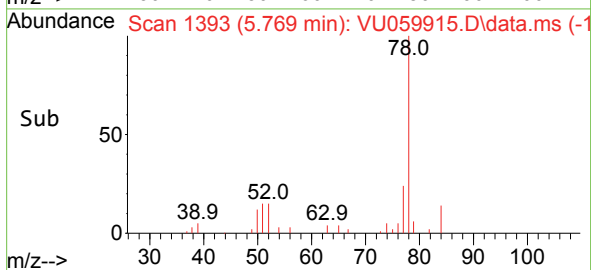
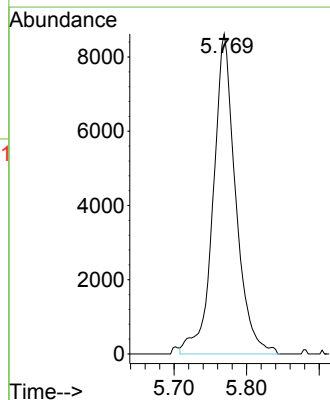
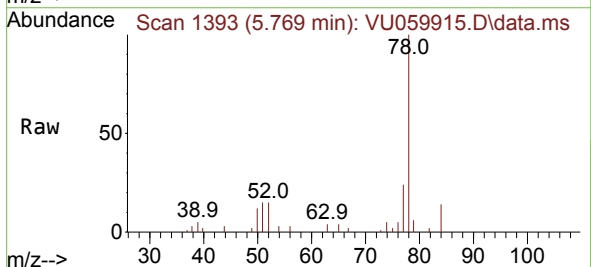
RT: 5.769 min Scan# 1393

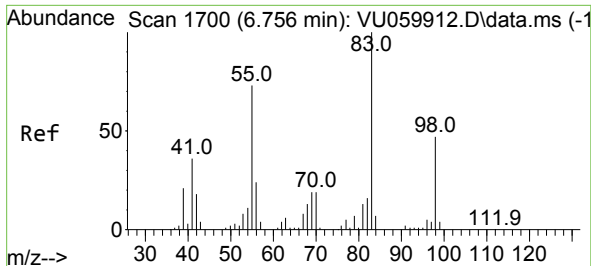
Delta R.T. 0.003 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Tgt Ion: 78 Resp: 18545

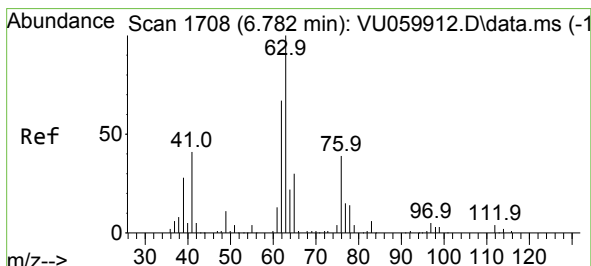
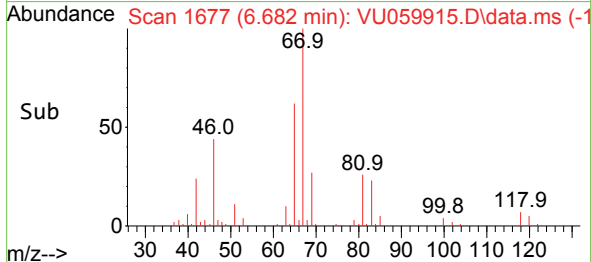
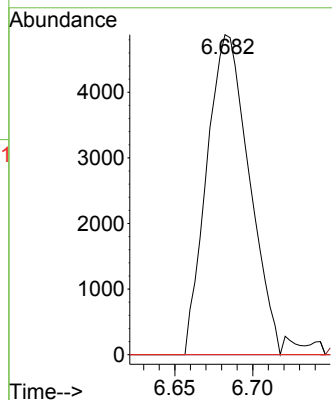
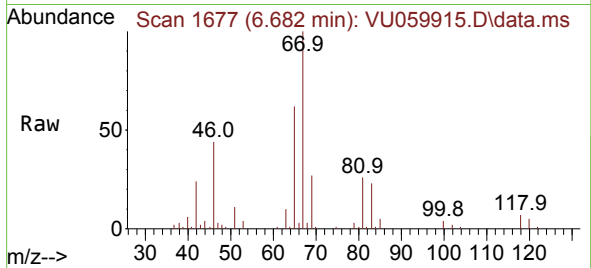




#35
Methylcyclohexane
Concen: 0.531 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

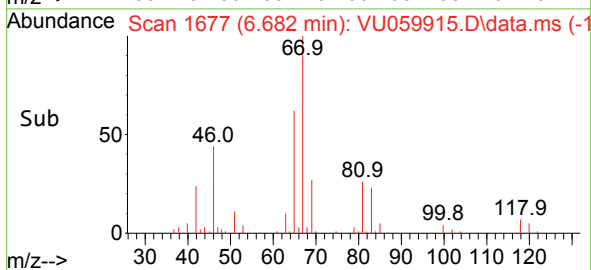
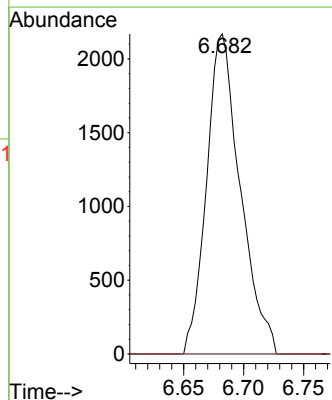
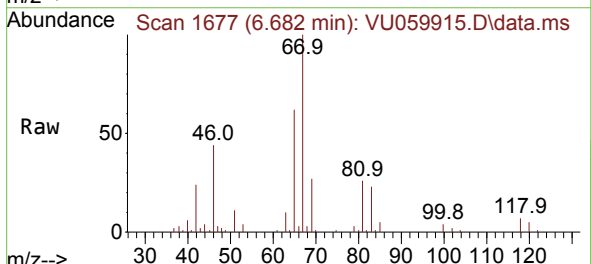
Instrument :
MSVOA_U
ClientSampleId :

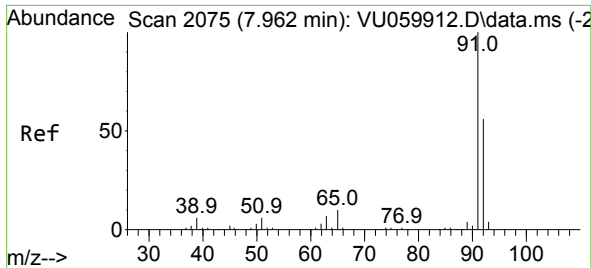
Tgt Ion: 83 Resp: 9236
Ion Ratio Lower Upper
83 100
55 0.4 62.7 94.1#
98 0.0 35.4 53.0#



#37
1,2-Dichloropropane
Concen: 0.364 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion: 63 Resp: 4247
Ion Ratio Lower Upper
63 100
112 2.2 2.6 3.8#





#42

Toluene

Concen: 0.616 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Instrument :

MSVOA_U

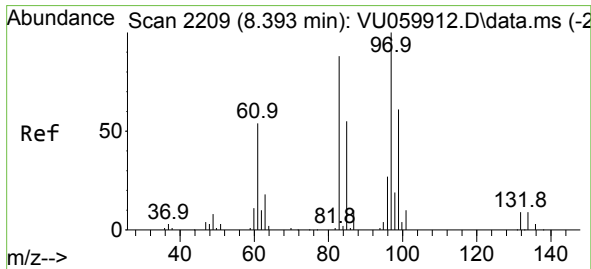
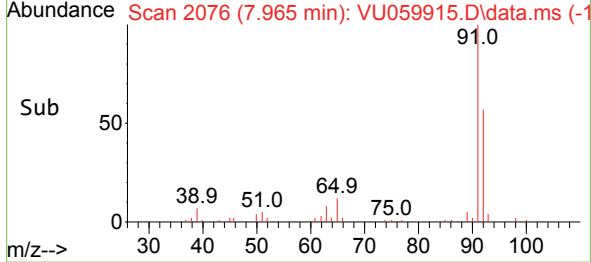
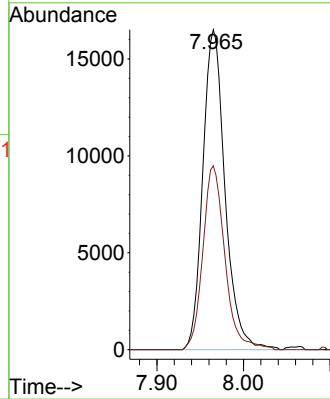
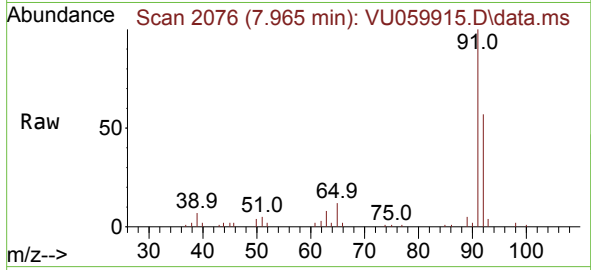
ClientSampleId :

Tgt Ion: 91 Resp: 29396

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7



#45

1,1,2-Trichloroethane

Concen: 0.368 ug/L

RT: 8.271 min Scan# 2171

Delta R.T. -0.122 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Tgt Ion: 97 Resp: 3167

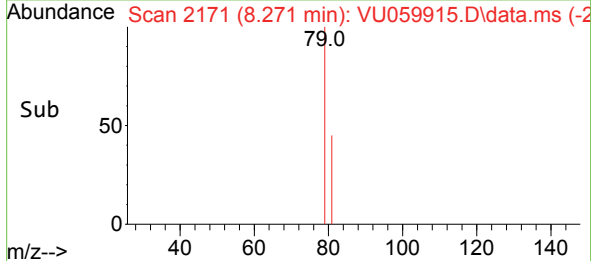
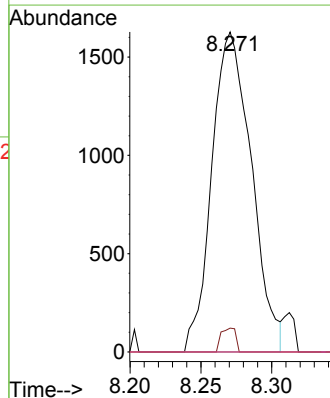
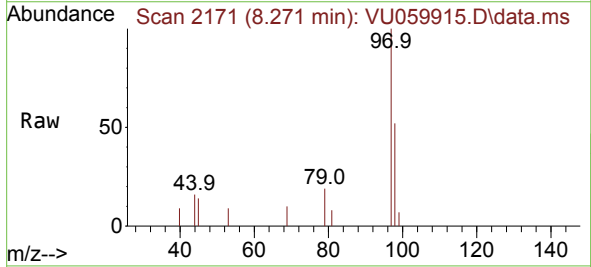
Ion Ratio Lower Upper

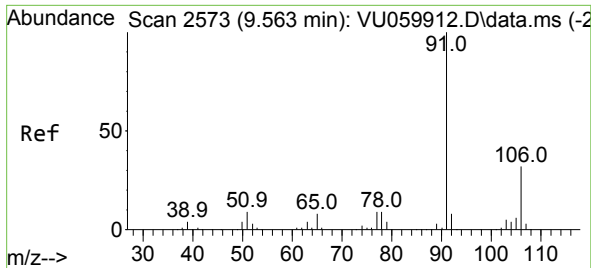
97 100

99 7.4 43.3 80.3#

83 0.0 62.3 115.7#

85 0.0 39.8 74.0#

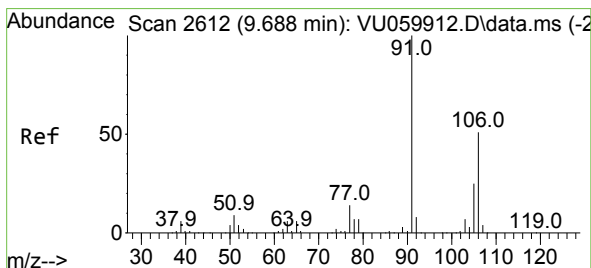
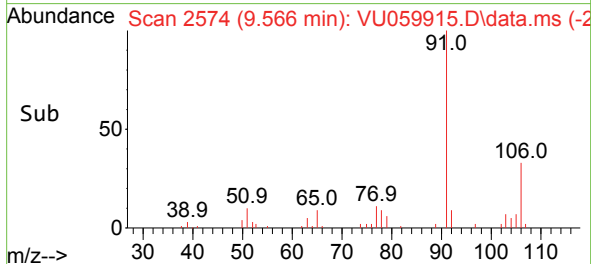
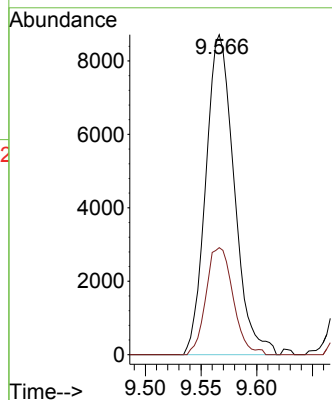
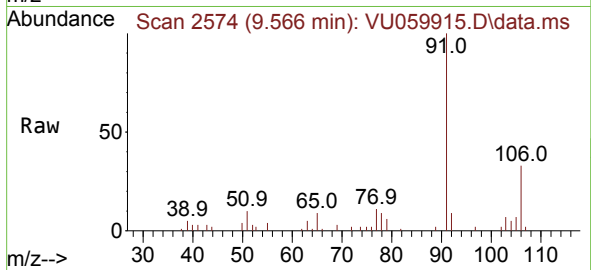




#52
Ethylbenzene
Concen: 0.315 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

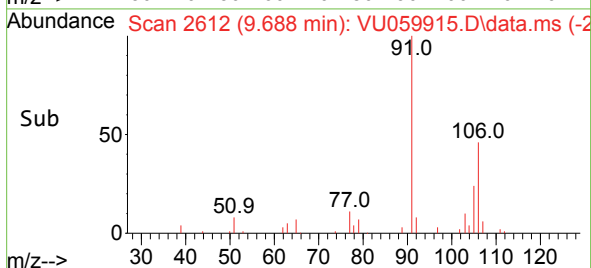
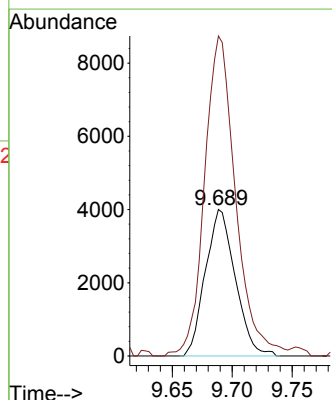
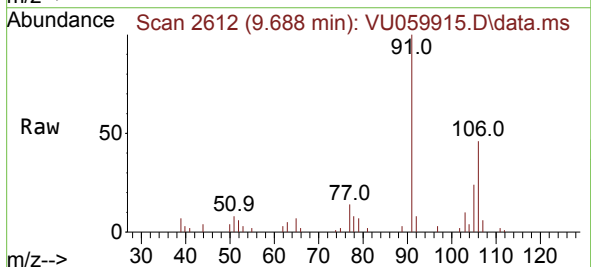
Instrument :
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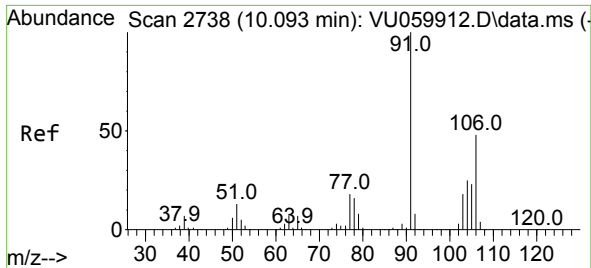
Tgt Ion: 91 Resp: 15418
Ion Ratio Lower Upper
91 100
106 33.5 20.9 38.7



#53
m,p-Xylene
Concen: 0.368 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion:106 Resp: 6929
Ion Ratio Lower Upper
106 100
91 218.4 142.0 263.8

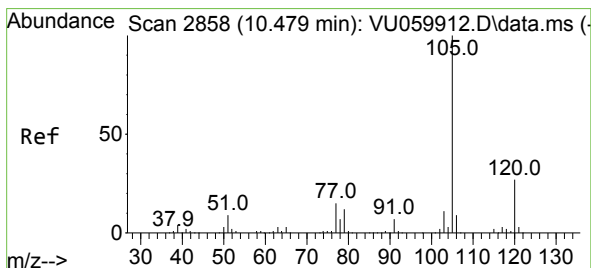
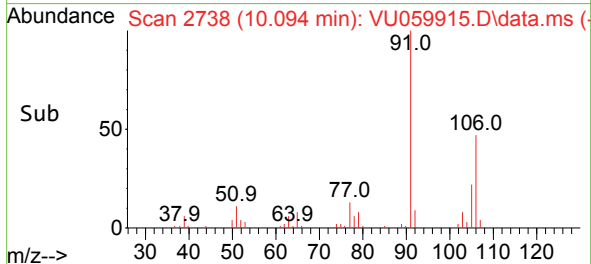
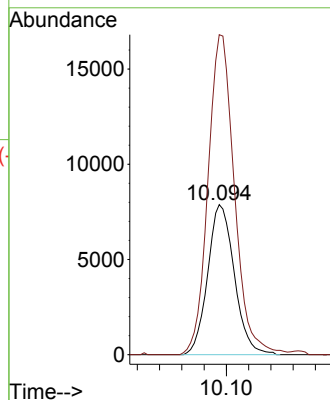
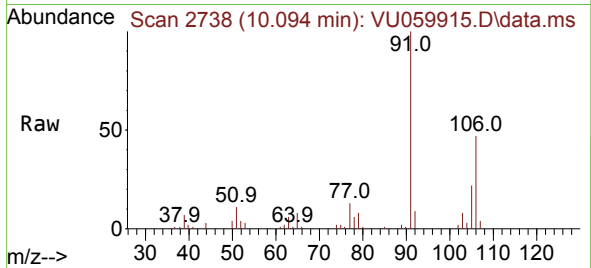




#54
o-Xylene
Concen: 0.733 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

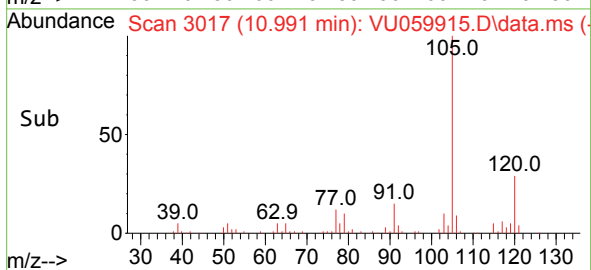
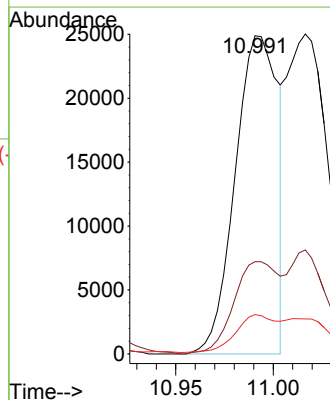
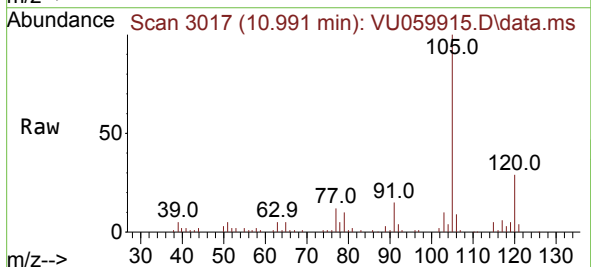
Instrument :
MSVOA_U
ClientSampleId :

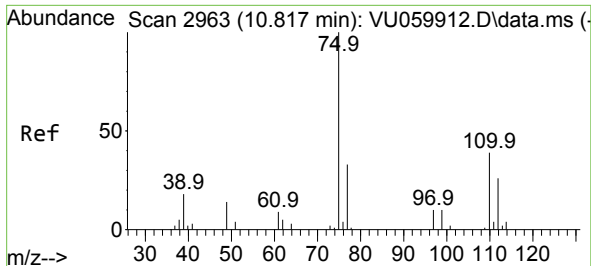
Tgt Ion:106 Resp: 13096
Ion Ratio Lower Upper
106 100
91 213.2 151.6 281.6



#60
Isopropylbenzene
Concen: 0.734 ug/L
RT: 10.991 min Scan# 3017
Delta R.T. 0.511 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion:105 Resp: 37931
Ion Ratio Lower Upper
105 100
120 30.0 20.6 31.0
77 11.5 12.8 19.2#

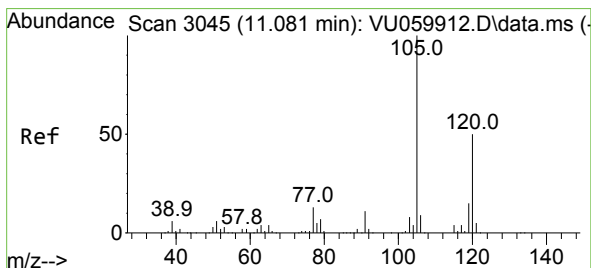
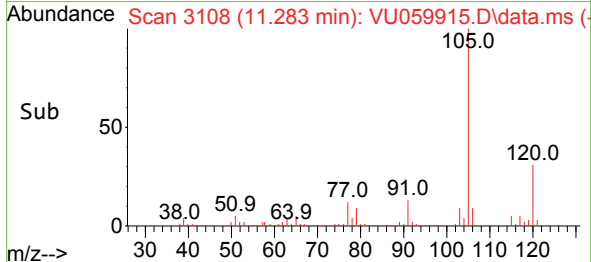
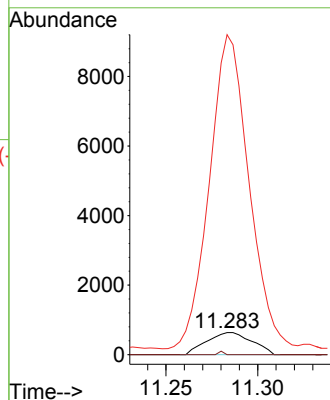
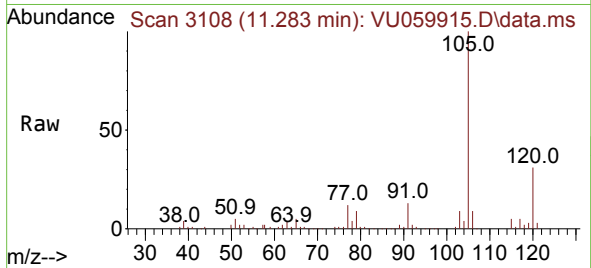




#61
1,2,3-Trichloropropane
Concen: 0.142 ug/L
RT: 11.283 min Scan# 3108
Delta R.T. 0.466 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

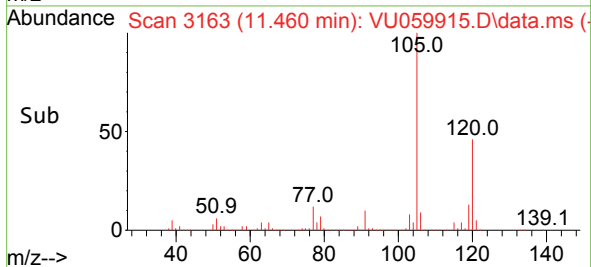
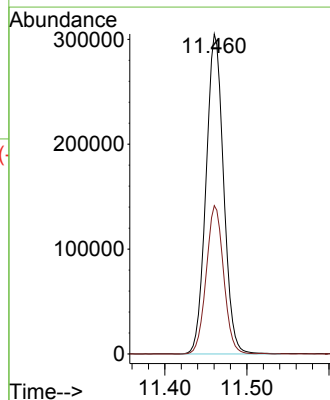
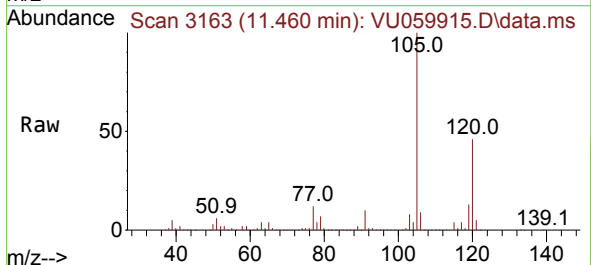
Instrument :
MSVOA_U
ClientSampleId :

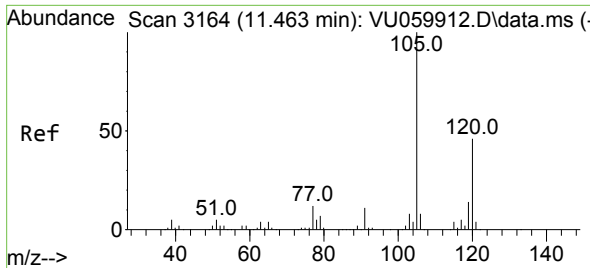
Tgt Ion: 75 Resp: 1097
Ion Ratio Lower Upper
75 100
110 0.0 27.1 40.7#
77 1232.7 25.4 38.2#



#62
1,3,5-Trimethylbenzene
Concen: 11.102 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.380 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion: 105 Resp: 454464
Ion Ratio Lower Upper
105 100
120 45.9 38.2 57.4

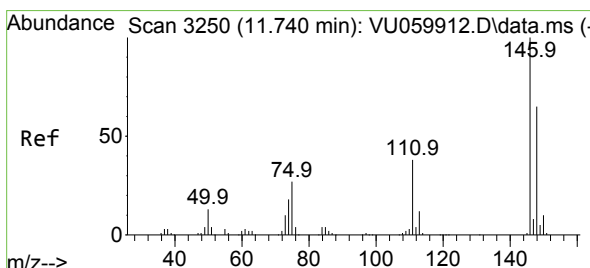
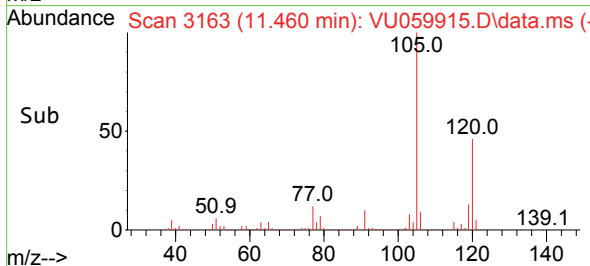
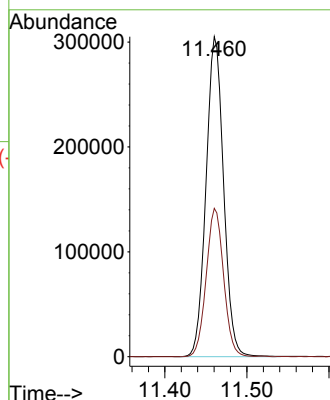
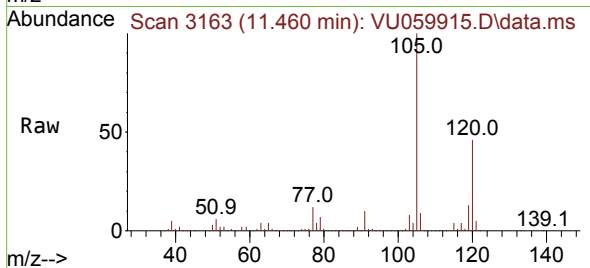




#63
1,2,4-Trimethylbenzene
Concen: 11.613 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

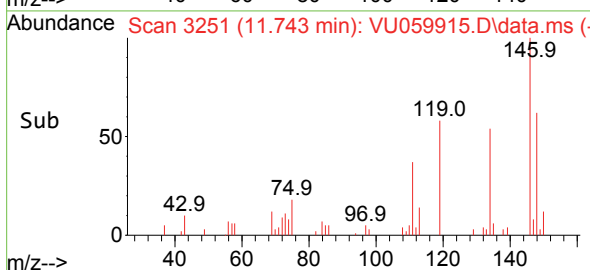
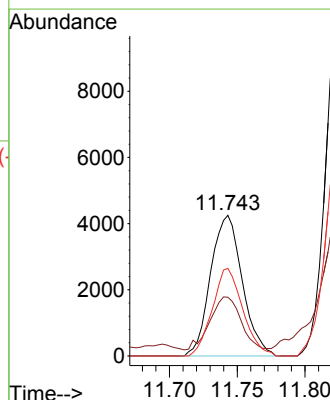
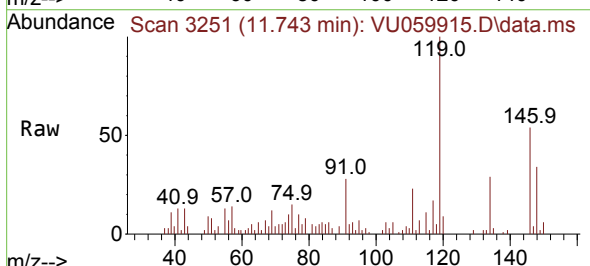
Instrument :
MSVOA_U
ClientSampleId :

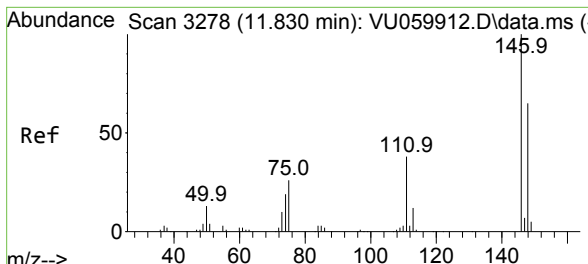
Tgt Ion:105 Resp: 454464
Ion Ratio Lower Upper
105 100
120 45.9 35.4 53.0



#64
1,3-Dichlorobenzene
Concen: 0.263 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

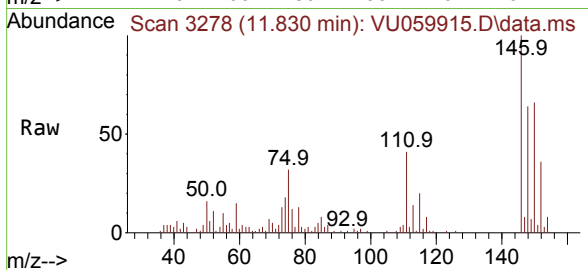
Tgt Ion:146 Resp: 6905
Ion Ratio Lower Upper
146 100
111 41.7 27.4 51.0
148 62.2 45.0 83.6



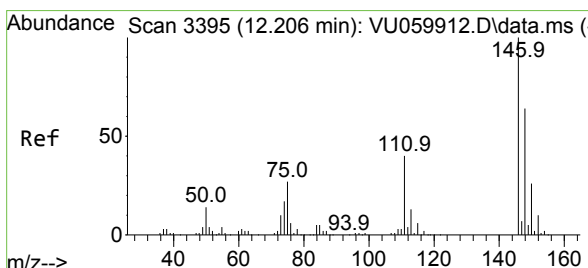
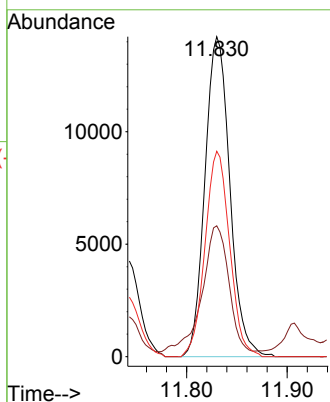
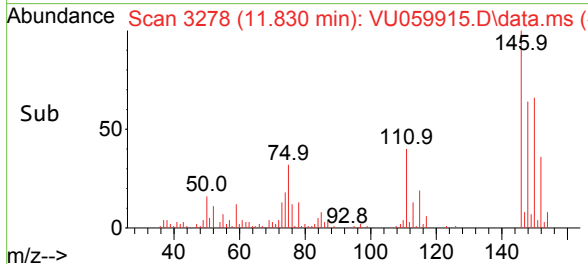


#65
1,4-Dichlorobenzene
Concen: 0.906 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

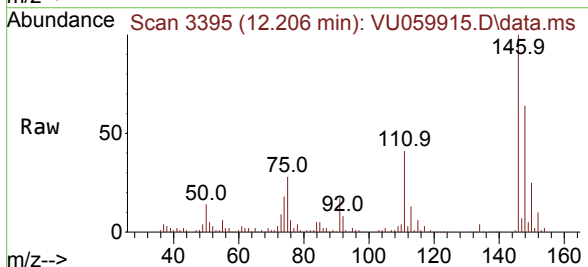
Instrument :
MSVOA_U
ClientSampleId :



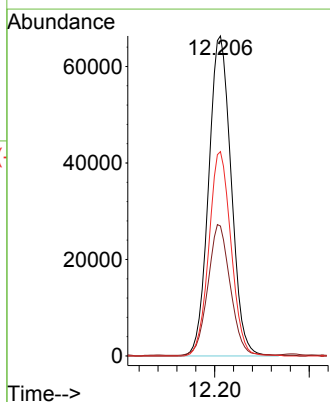
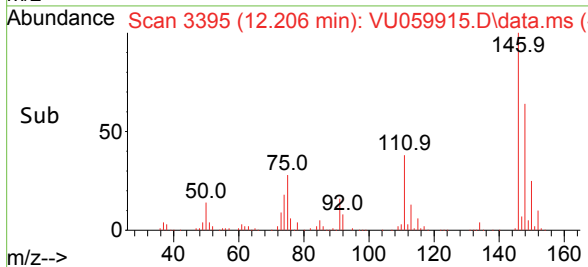
Tgt Ion:146 Resp: 24504
Ion Ratio Lower Upper
146 100
111 40.9 26.9 50.1
148 64.2 45.3 84.1

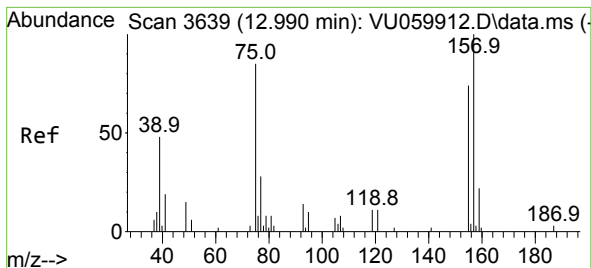


#67
1,2-Dichlorobenzene
Concen: 4.432 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40



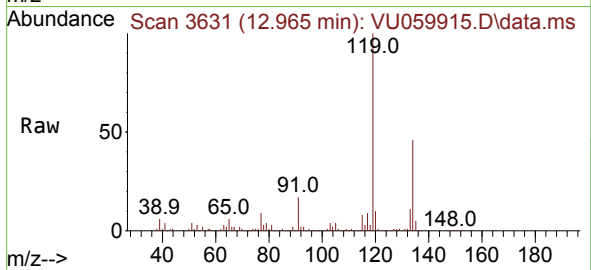
Tgt Ion:146 Resp: 109610
Ion Ratio Lower Upper
146 100
111 40.6 33.4 50.0
148 63.8 49.7 74.5



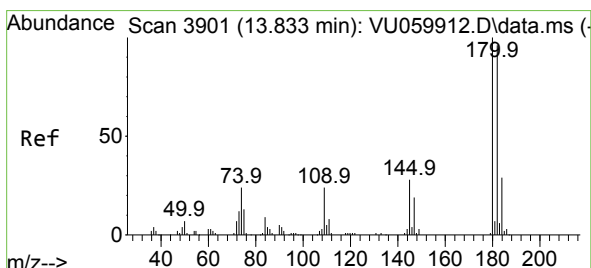
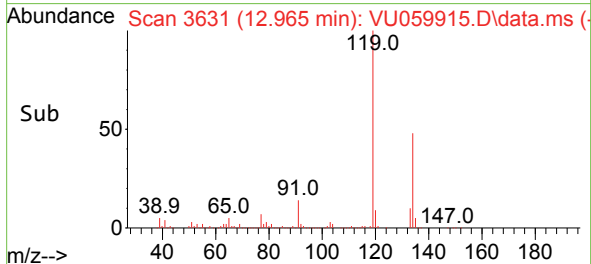
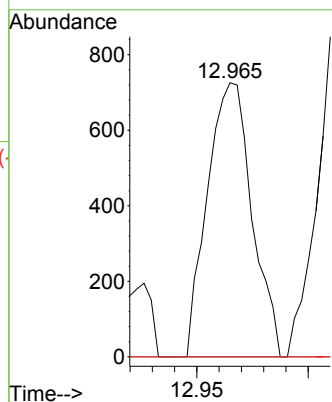


#68
1,2-Dibromo-3-chloropropane
Concen: 0.670 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.026 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Instrument :
MSVOA_U
ClientSampleId :

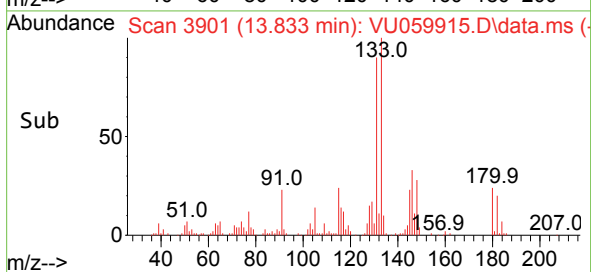
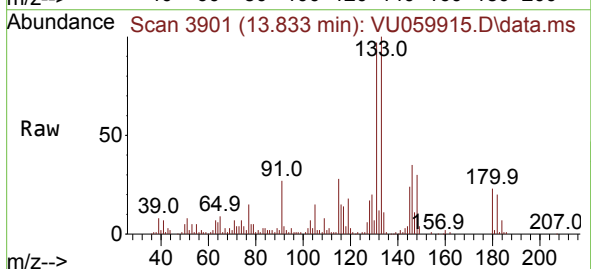
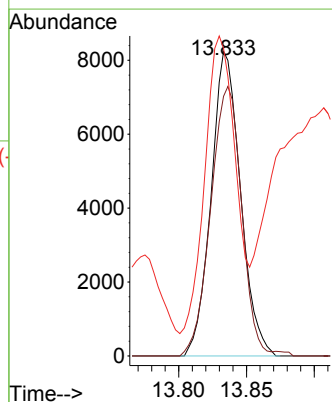


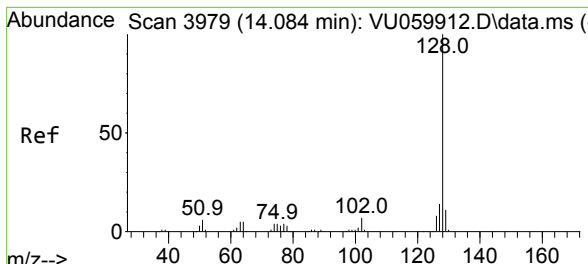
Tgt Ion: 75 Resp: 1010
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#



#70
1,2,4-trichlorobenzene
Concen: 0.833 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion:180 Resp: 12434
Ion Ratio Lower Upper
180 100
182 93.3 74.9 112.3
145 102.0 23.9 35.9#

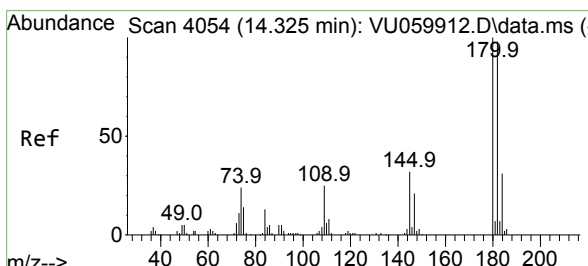
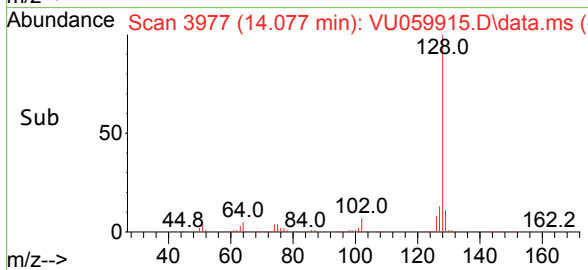
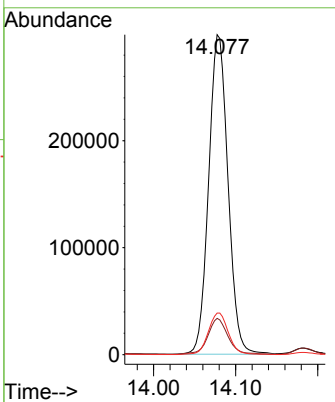
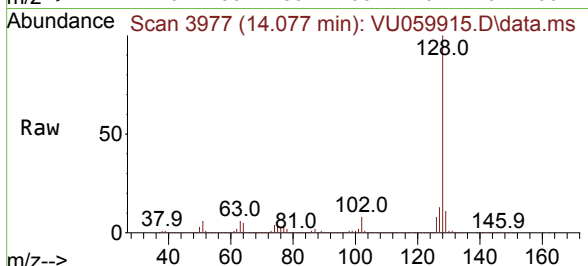




#71
Naphthalene
Concen: 22.889 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	488883
Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.2	12.4
127	13.4	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.278 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion:	180	Resp:	3848
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.0	115.6
145	501.6	26.2	39.4#

