

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071224\
 Data File : VU059923.D
 Acq On : 12 Jul 2024 15:48
 Operator : MD/SY
 Sample : P3217-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 03:57:33 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	6.238	114	195583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	205597	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	106006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	65201	4.794	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.800%
7) Chloroethane-d5	1.901	69	54784	4.187	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.800%
11) 1,1-Dichloroethene-d2	2.550	65	28033	4.968	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.400%
20) 2-Butanone-d5	4.685	46	136959	48.890	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.780%
24) Chloroform-d	5.049	84	113402	4.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	5.692	65	58645	4.361	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.711	84	238520	4.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.682	67	71826	4.143	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.888	98	215874	4.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.174	79	26255	4.836	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.637	63	119290	52.880	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.760%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	58229	4.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	87158	4.620	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.589	62	47724	2.422	ug/L	98
14) Carbon disulfide	2.772	76	13766	0.297	ug/L #	88
17) Methyl tert-butyl Ether	3.364	73	40292	1.348	ug/L	96
18) trans-1,2-Dichloroethene	3.332	96	12695	0.880	ug/L	85
19) 1,1-Dichloroethane	3.846	63	8424	0.317	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	120963	7.607	ug/L	92
27) 1,2-Dichloroethane	5.762	62	2441	0.144	ug/L #	74
33) Benzene	5.759	78	298821	4.786	ug/L	100
37) 1,2-Dichloropropane	6.682	63	7455	0.461	ug/L #	53
42) Toluene	7.962	91	73892	1.118	ug/L	99
52) Ethylbenzene	9.566	91	12614	0.186	ug/L	84
53) m,p-Xylene	9.688	106	13589	0.522	ug/L	90
54) o-Xylene	10.097	106	7531	0.305	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7527	0.145	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	20541	0.414	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	30065	0.903	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	270616	7.894	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	218877	6.983	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.209	75	193	0.101	ug/L #	6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
Data File : VU059923.D
Acq On : 12 Jul 2024 15:48
Operator : MD/SY
Sample : P3217-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 13 03:57:33 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

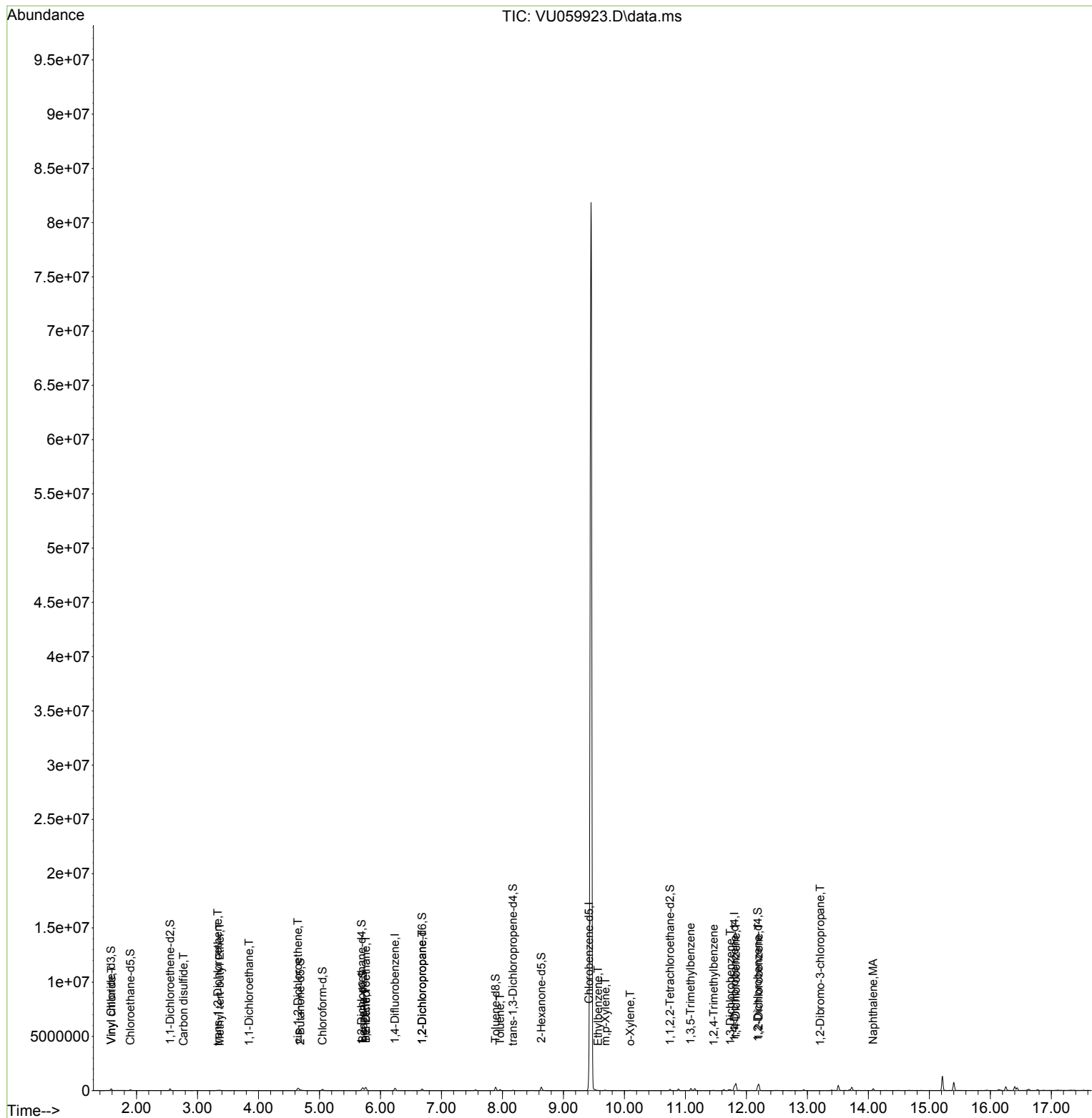
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.080	128	140744	5.199	ug/L	99

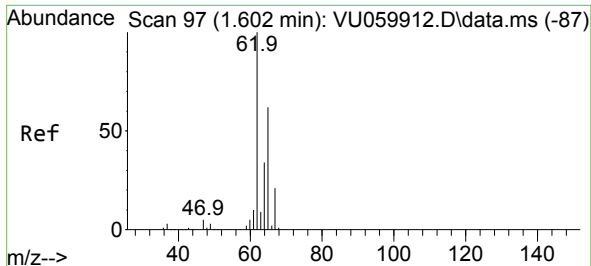
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
Data File : VU059923.D
Acq On : 12 Jul 2024 15:48
Operator : MD/SY
Sample : P3217-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 13 03:57:33 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

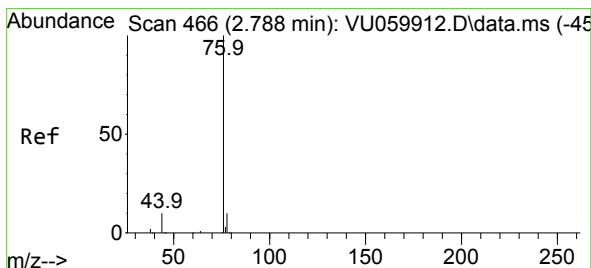
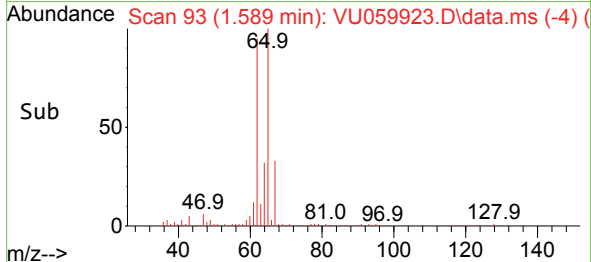
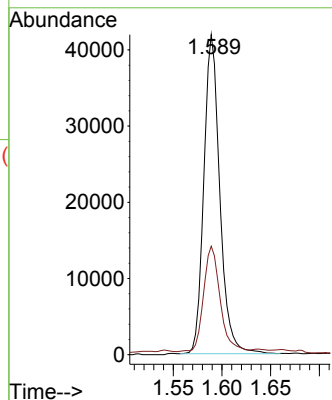
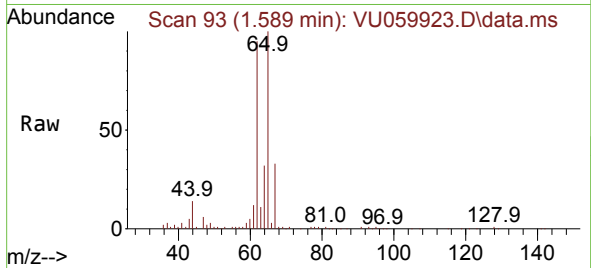




#5
 Vinyl chloride
 Concen: 2.422 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VU059923.D
 Acq: 12 Jul 2024 15:48

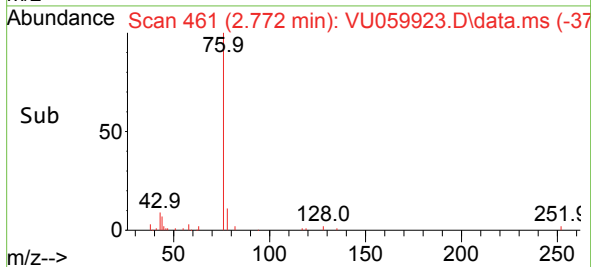
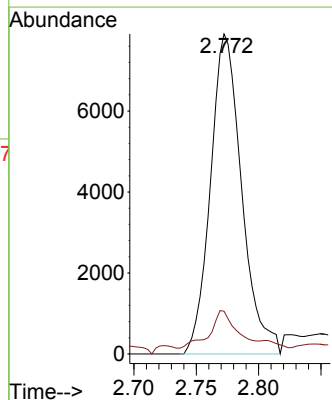
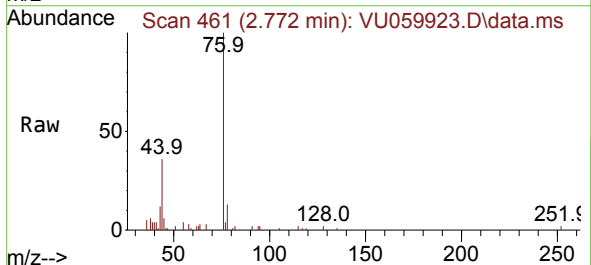
Instrument :
 MSVOA_U
 ClientSampleId :

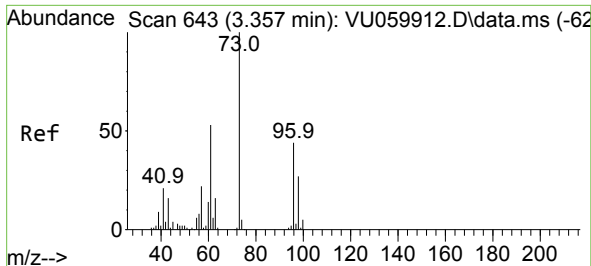
Tgt Ion: 62 Resp: 47724
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.1 42.9



#14
 Carbon disulfide
 Concen: 0.297 ug/L
 RT: 2.772 min Scan# 461
 Delta R.T. -0.016 min
 Lab File: VU059923.D
 Acq: 12 Jul 2024 15:48

Tgt Ion: 76 Resp: 13766
 Ion Ratio Lower Upper
 76 100
 78 13.4 7.3 10.9#





#17

Methyl tert-butyl Ether

Concen: 1.348 ug/L

RT: 3.364 min Scan# 64

Delta R.T. 0.006 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

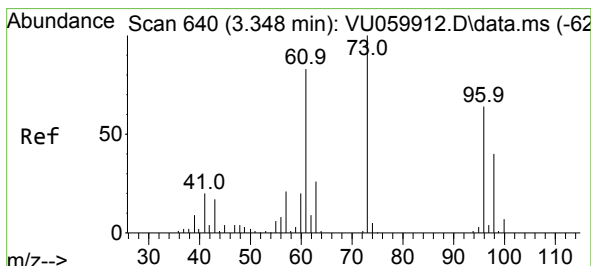
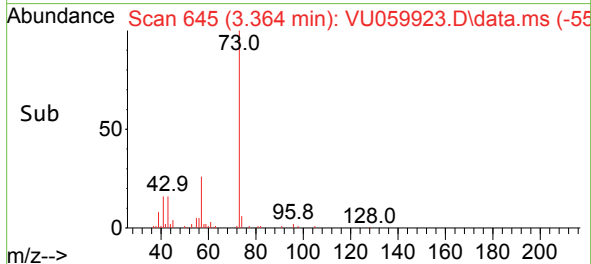
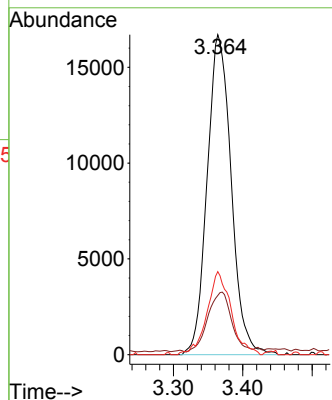
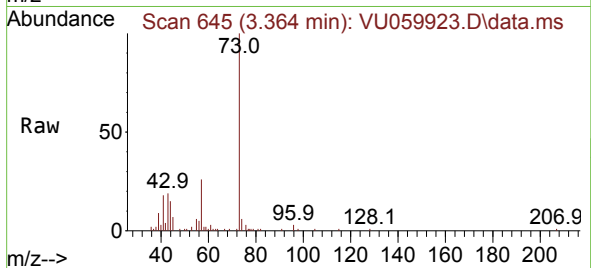
Tgt Ion: 73 Resp: 40292

Ion Ratio Lower Upper

73 100

43 18.5 14.9 22.3

57 25.8 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 0.880 ug/L

RT: 3.332 min Scan# 635

Delta R.T. -0.016 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

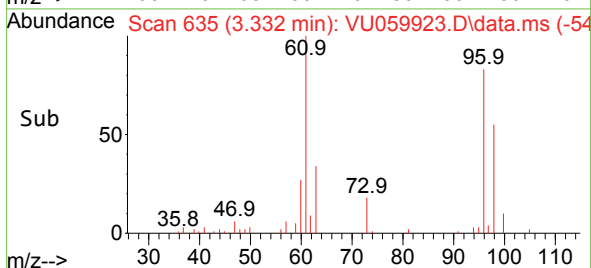
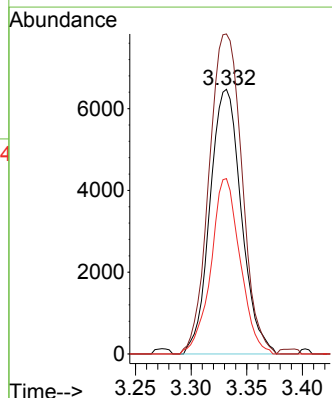
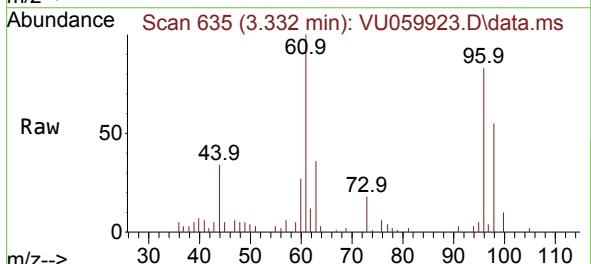
Tgt Ion: 96 Resp: 12695

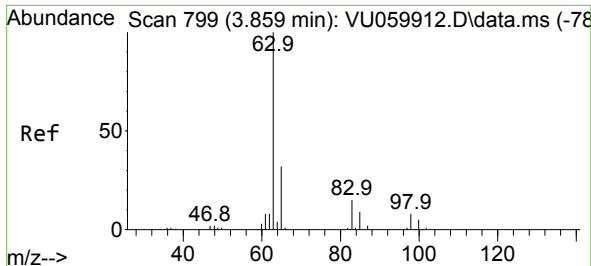
Ion Ratio Lower Upper

96 100

61 120.9 101.8 189.0

98 66.2 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.317 ug/L

RT: 3.846 min Scan# 799

Delta R.T. -0.013 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

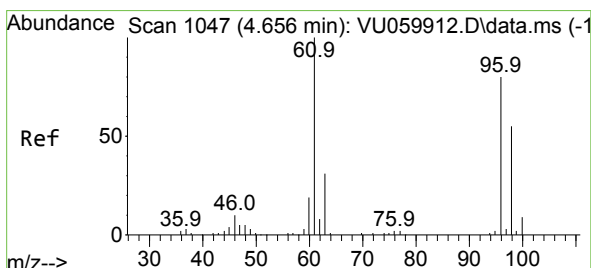
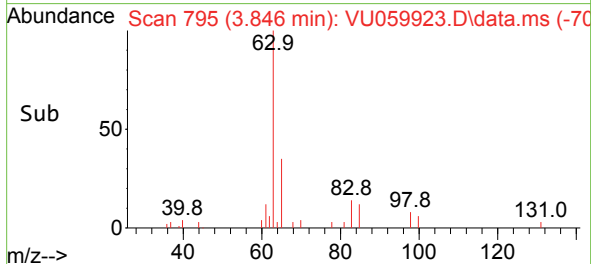
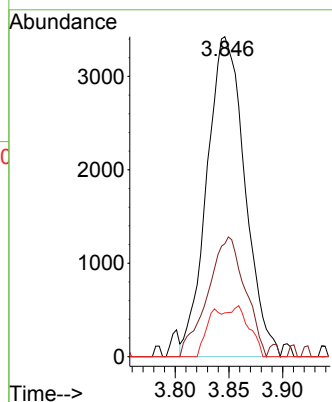
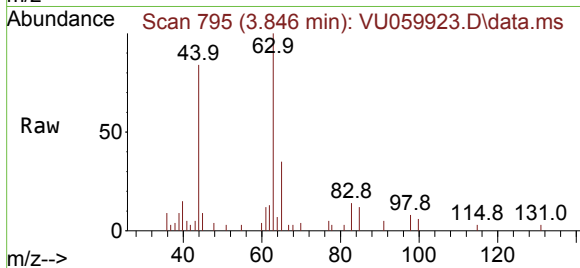
Tgt Ion: 63 Resp: 8424

Ion Ratio Lower Upper

63 100

65 35.3 21.8 40.6

83 13.7 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 7.607 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

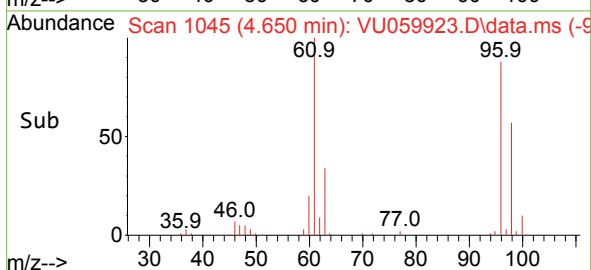
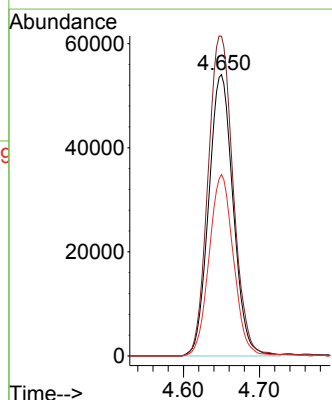
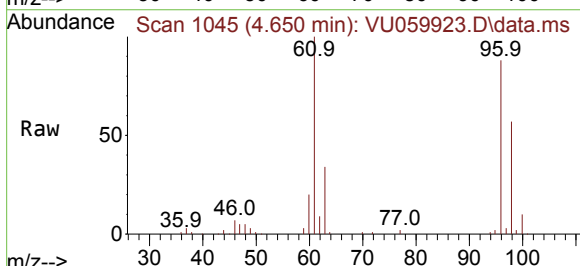
Tgt Ion: 96 Resp: 120963

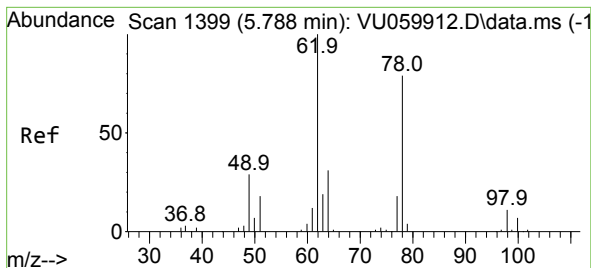
Ion Ratio Lower Upper

96 100

61 113.6 87.4 162.2

98 64.5 42.3 78.5





#27

1,2-Dichloroethane

Concen: 0.144 ug/L

RT: 5.762 min Scan# 11

Delta R.T. -0.026 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

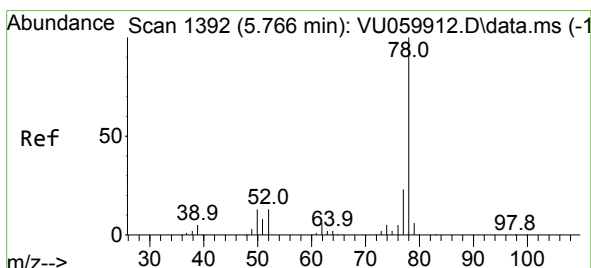
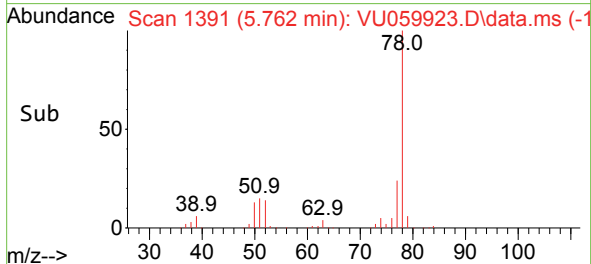
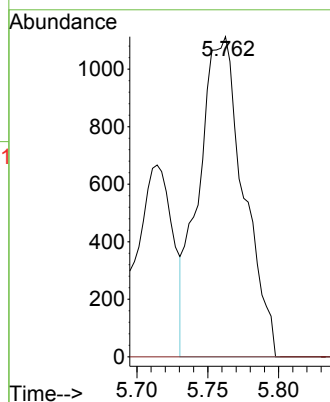
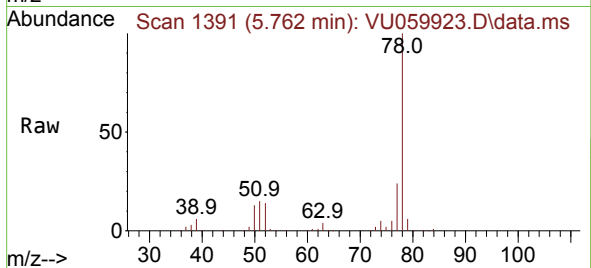
ClientSampleId :

Tgt Ion: 62 Resp: 2441

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



#33

Benzene

Concen: 4.786 ug/L

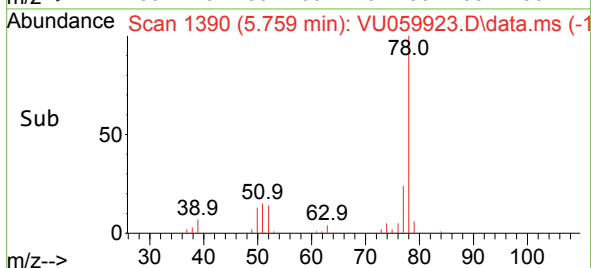
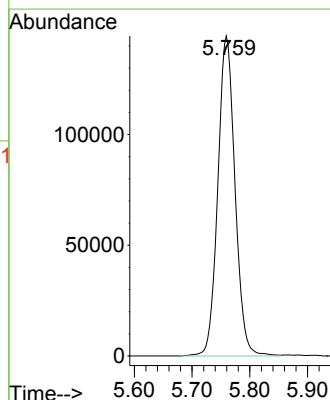
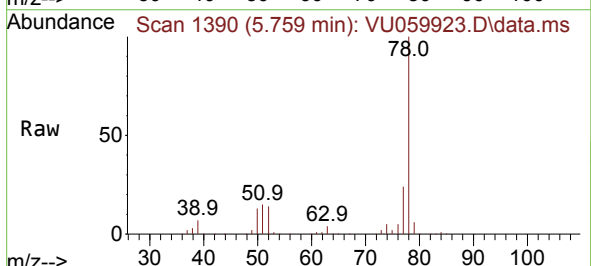
RT: 5.759 min Scan# 1390

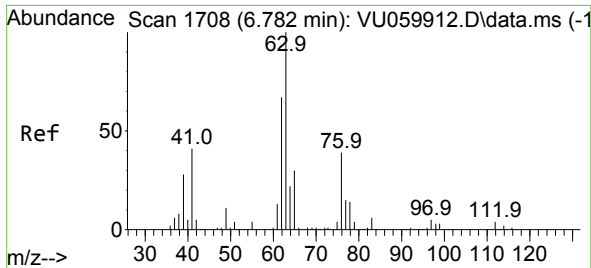
Delta R.T. -0.006 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Tgt Ion: 78 Resp: 298821

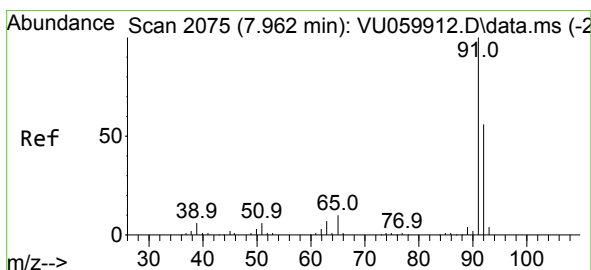
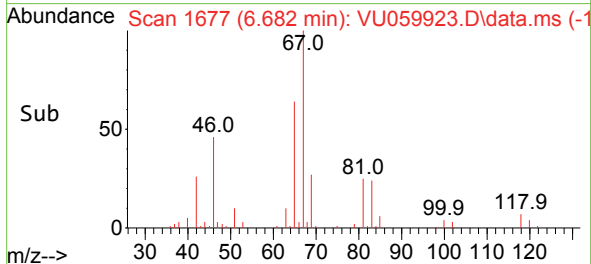
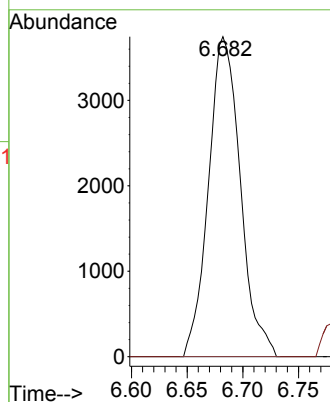
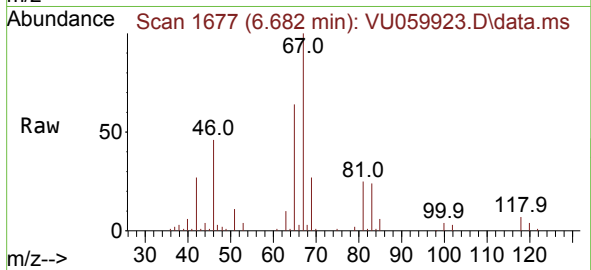




#37
1,2-Dichloropropane
Concen: 0.461 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

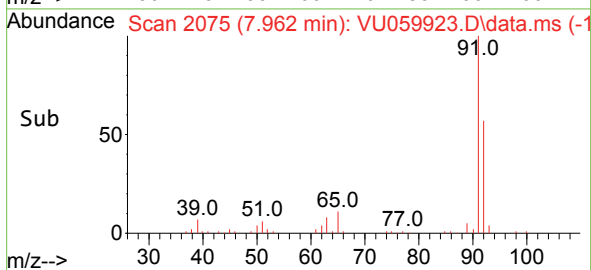
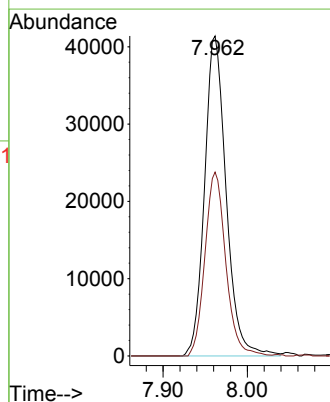
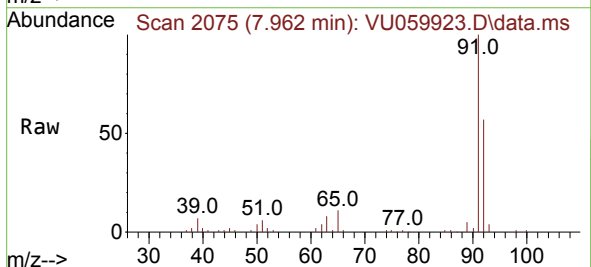
Instrument :
MSVOA_U
ClientSampleId :

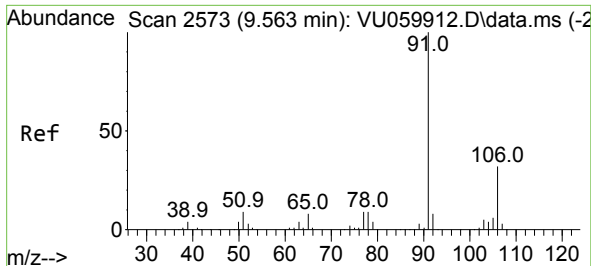
Tgt Ion: 63 Resp: 7455
Ion Ratio Lower Upper
63 100
112 18.6 2.6 3.8#



#42
Toluene
Concen: 1.118 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Tgt Ion: 91 Resp: 73892
Ion Ratio Lower Upper
91 100
92 57.5 39.7 73.7





#52

Ethylbenzene

Concen: 0.186 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

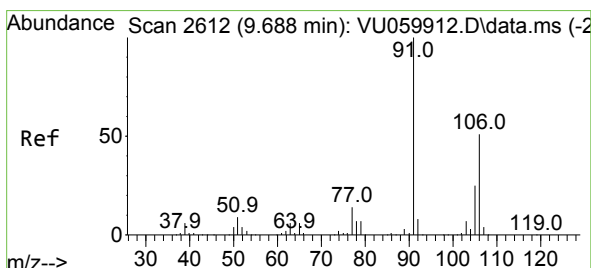
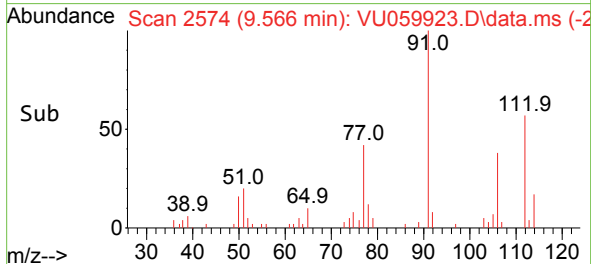
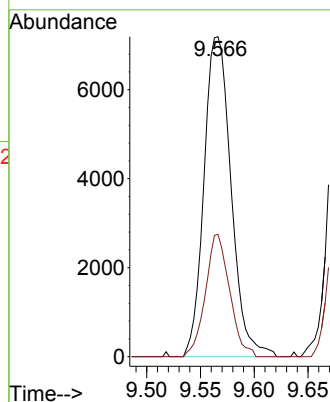
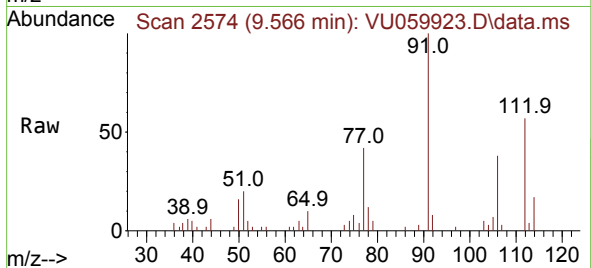
ClientSampleId :

Tgt Ion: 91 Resp: 12614

Ion Ratio Lower Upper

91 100

106 38.2 20.9 38.7



#53

m,p-Xylene

Concen: 0.522 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059923.D

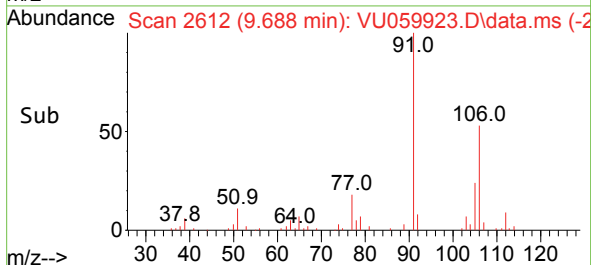
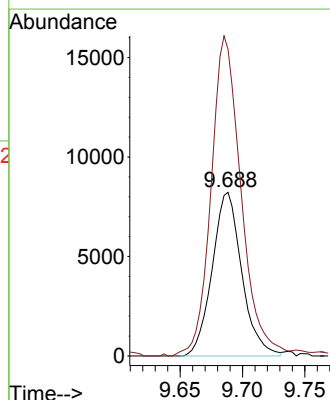
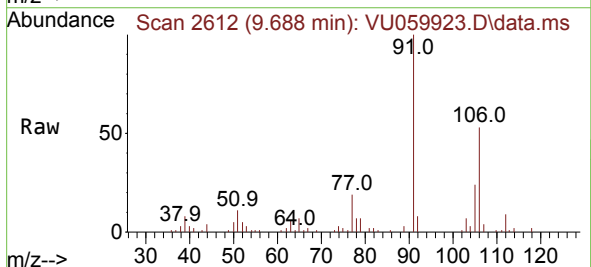
Acq: 12 Jul 2024 15:48

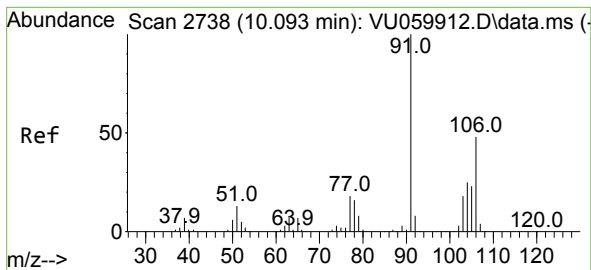
Tgt Ion:106 Resp: 13589

Ion Ratio Lower Upper

106 100

91 187.3 142.0 263.8





#54

o-Xylene

Concen: 0.305 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

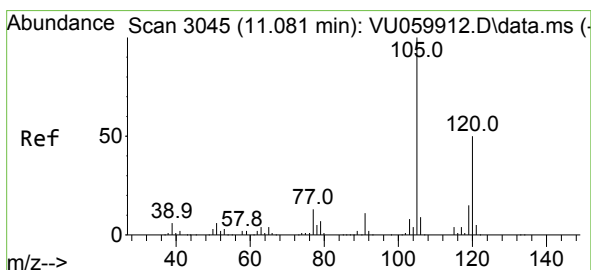
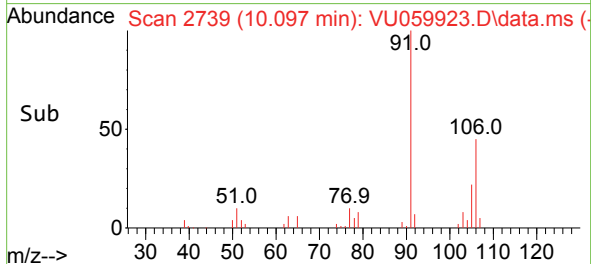
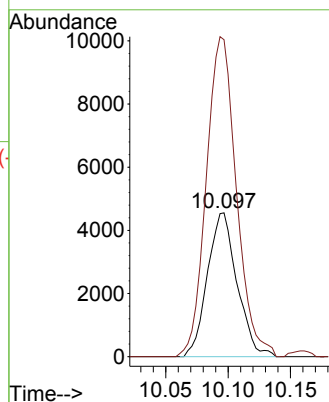
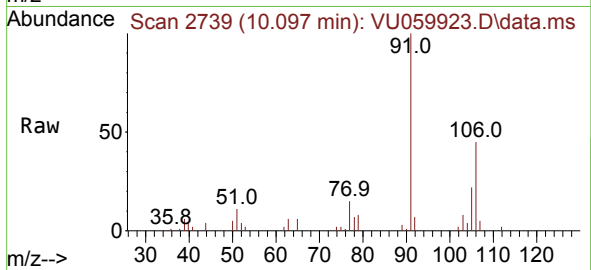
ClientSampleId :

Tgt Ion:106 Resp: 7531

Ion Ratio Lower Upper

106 100

91 220.2 151.6 281.6



#62

1,3,5-Trimethylbenzene

Concen: 0.145 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU059923.D

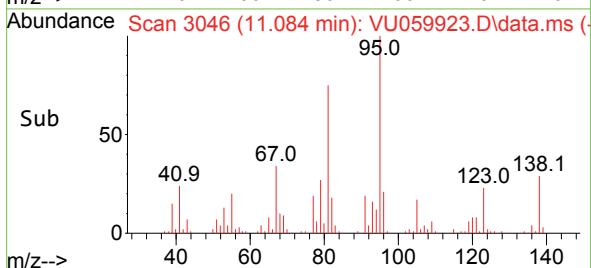
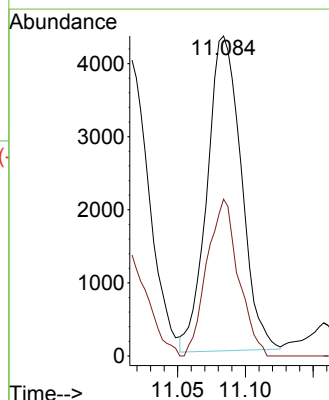
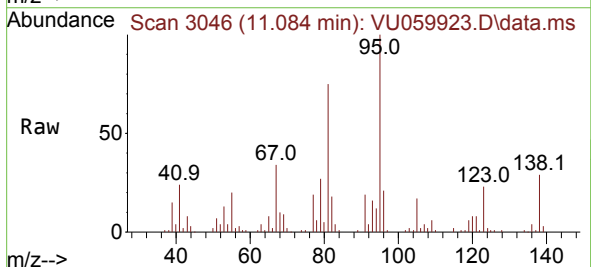
Acq: 12 Jul 2024 15:48

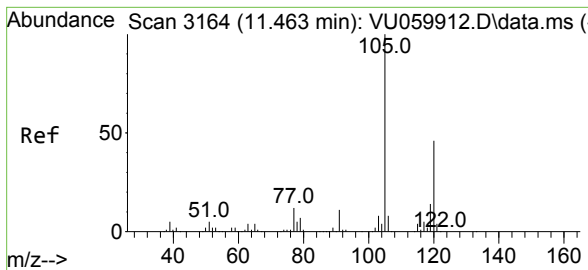
Tgt Ion:105 Resp: 7527

Ion Ratio Lower Upper

105 100

120 46.0 38.2 57.4

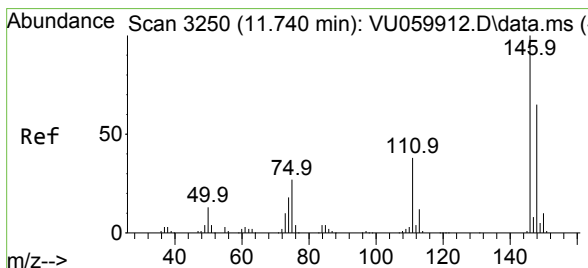
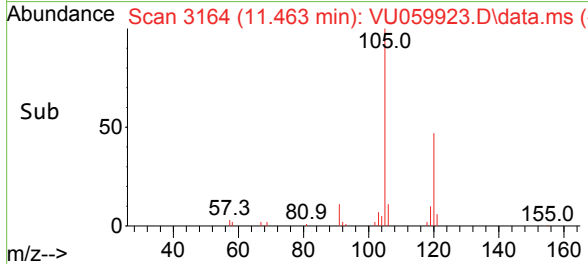
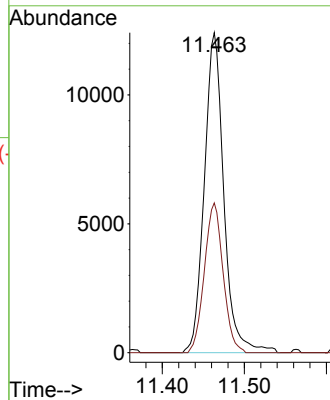
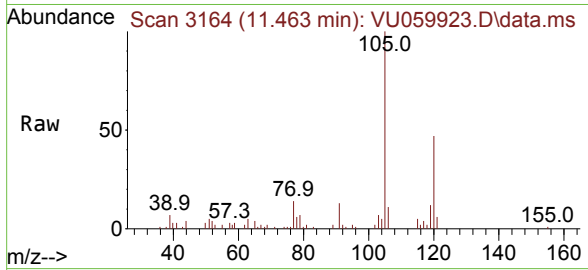




#63
 1,2,4-Trimethylbenzene
 Concen: 0.414 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU059923.D
 Acq: 12 Jul 2024 15:48

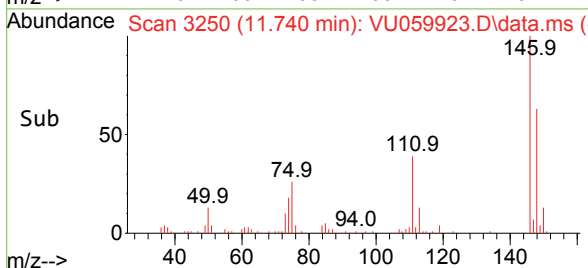
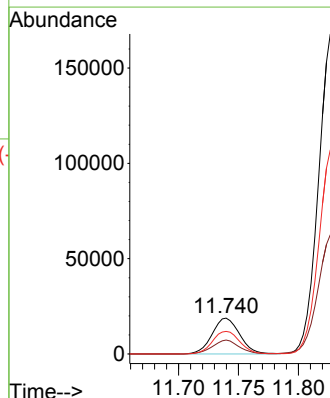
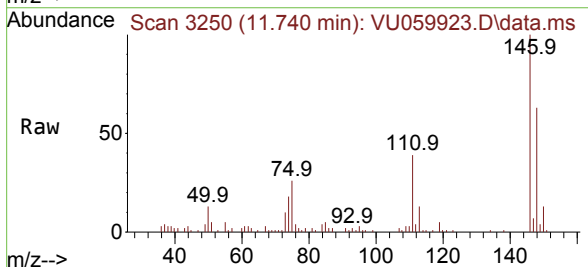
Instrument :
 MSVOA_U
 ClientSampleId :

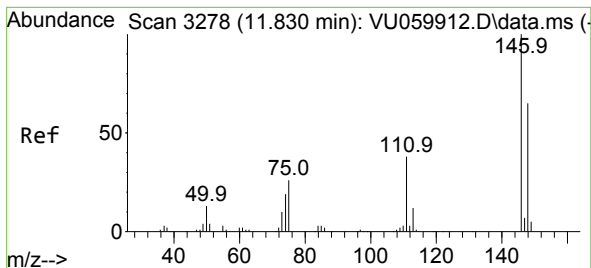
Tgt Ion:105 Resp: 20541
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.4 53.0



#64
 1,3-Dichlorobenzene
 Concen: 0.903 ug/L
 RT: 11.740 min Scan# 3250
 Delta R.T. 0.000 min
 Lab File: VU059923.D
 Acq: 12 Jul 2024 15:48

Tgt Ion:146 Resp: 30065
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 51.0
 148 63.3 45.0 83.6





#65

1,4-Dichlorobenzene

Concen: 7.894 ug/L

RT: 11.827 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

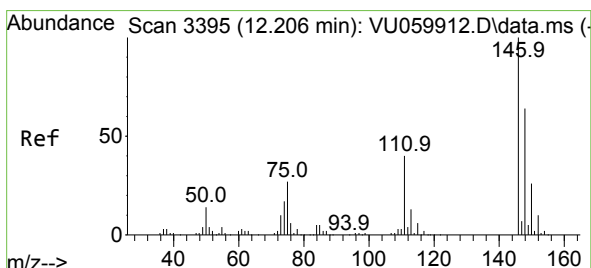
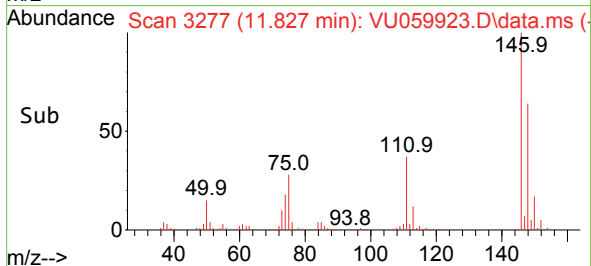
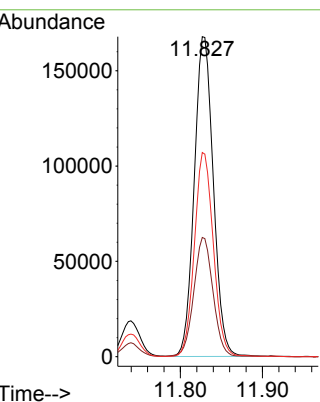
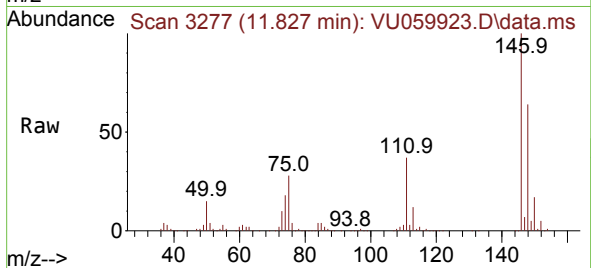
Tgt Ion:146 Resp: 270616

Ion Ratio Lower Upper

146 100

111 37.3 26.9 50.1

148 63.8 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 6.983 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.003 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

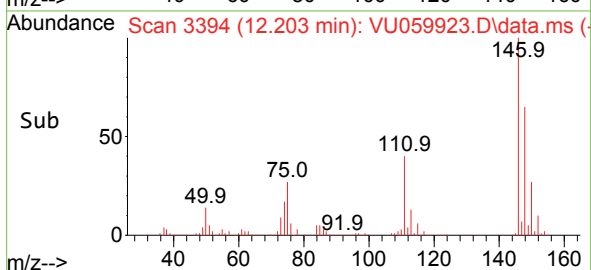
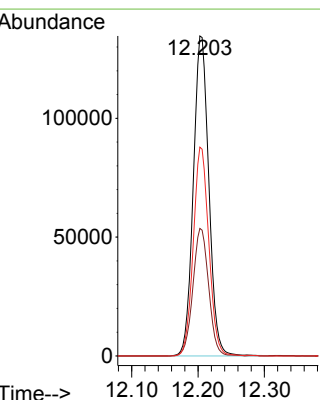
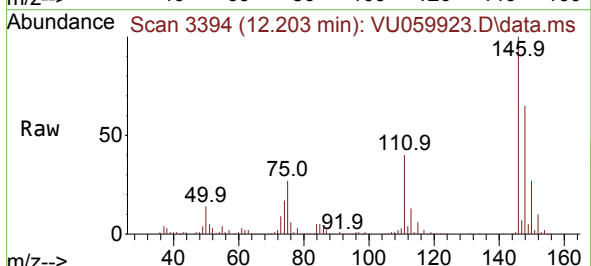
Tgt Ion:146 Resp: 218877

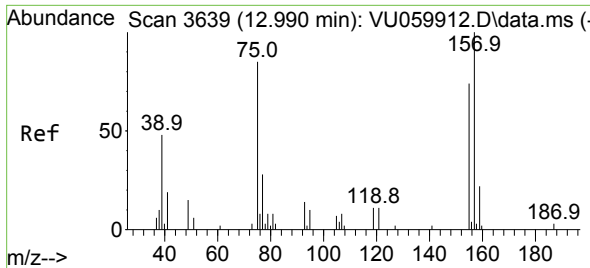
Ion Ratio Lower Upper

146 100

111 39.9 33.4 50.0

148 65.2 49.7 74.5

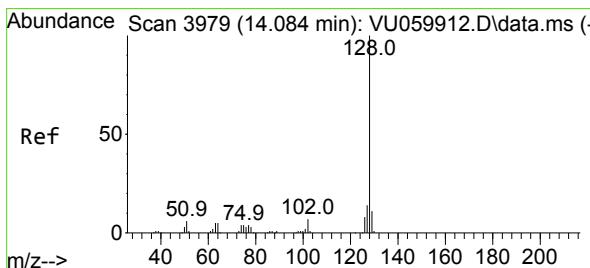
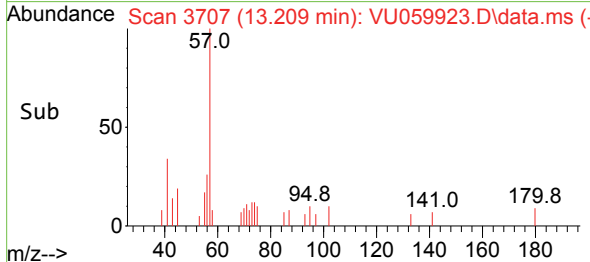
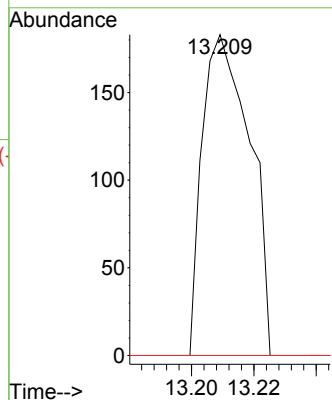
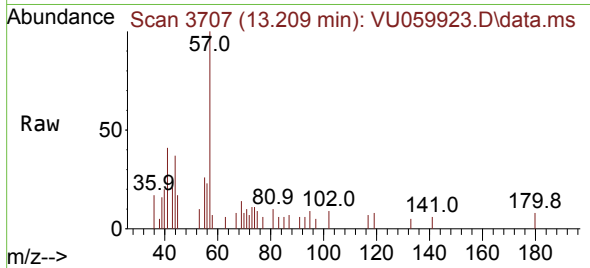




#68
1,2-Dibromo-3-chloropropane
Concen: 0.101 ug/L
RT: 13.209 min Scan# 31
Delta R.T. 0.219 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 193
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#



#71
Naphthalene
Concen: 5.199 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Tgt Ion:128 Resp: 140744
Ion Ratio Lower Upper
128 100
129 11.1 8.2 12.4
127 12.9 10.2 15.4

