

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072624\
 Data File : VU060225.D
 Acq On : 26 Jul 2024 15:48
 Operator : MD/SY
 Sample : P3280-15DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 26 23:16:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 26 23:14:26 2024
 Response via : Initial Calibration

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

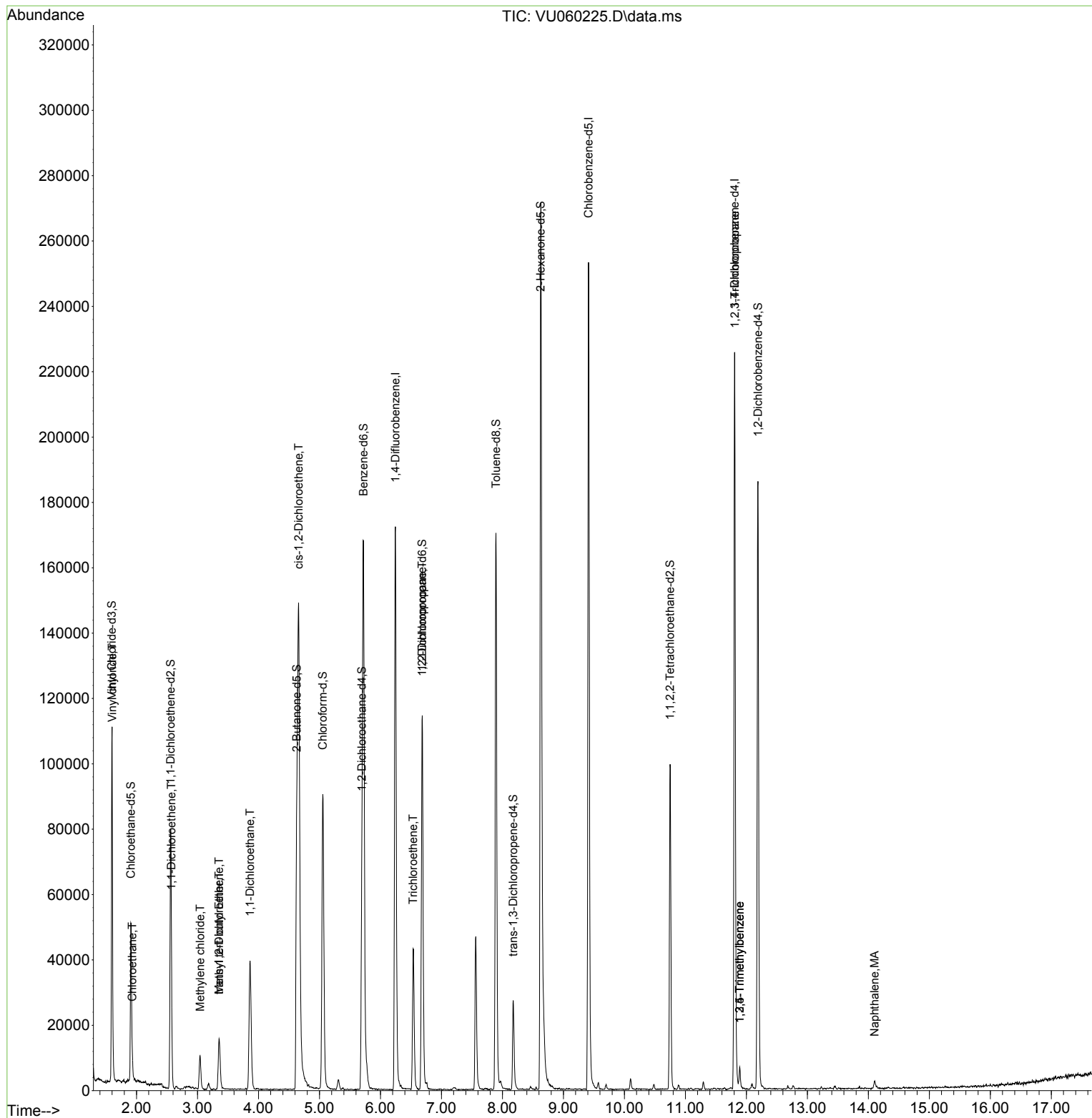
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	147512	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	151887	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	64511	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	39336	3.833	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.907	69	37712	3.955	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.200%
11) 1,1-Dichloroethene-d2	2.560	65	15214	3.797	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.000%
20) 2-Butanone-d5	4.628	46	138165	57.580	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.160%
24) Chloroform-d	5.055	84	89577	4.153	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.695	65	44081	4.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.721	84	160494	3.944	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.685	67	59485	4.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.894	98	121833	3.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.200%#
43) trans-1,3-Dichloroprop...	8.177	79	17869	4.048	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.627	63	98850	50.465	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.940%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	53927	4.673	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	52699	4.526	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	44001	2.913	ug/L	98
8) Chloroethane	1.930	64	3620	0.367	ug/L	97
12) 1,1-Dichloroethene	2.573	96	2225	0.198	ug/L #	1
16) Methylene chloride	3.042	84	5750	0.417	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	9612	0.374	ug/L #	94
18) trans-1,2-Dichloroethene	3.354	96	3732	0.319	ug/L	82
19) 1,1-Dichloroethane	3.862	63	48079	2.162	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	64087	4.885	ug/L	96
34) Trichloroethene	6.537	95	15346	1.153	ug/L	99
37) 1,2-Dichloropropane	6.682	63	5702	0.421	ug/L #	88
61) 1,2,3-Trichloropropane	11.811	75	7899	1.161	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.891	105	3886	0.121	ug/L	88
63) 1,2,4-Trimethylbenzene	11.891	105	3886	0.125	ug/L	93
71) Naphthalene	14.103	128	3901	0.211	ug/L #	90

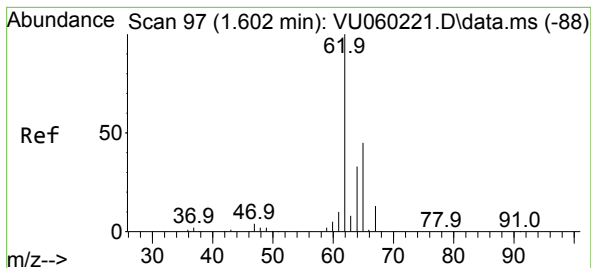
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.913 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

Instrument :

MSVOA_U

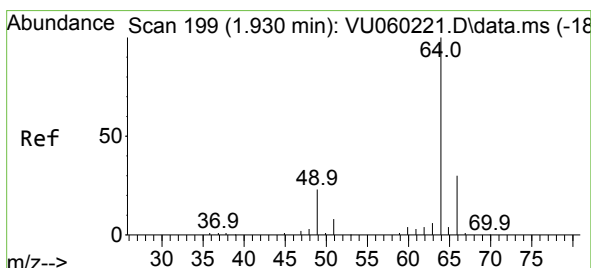
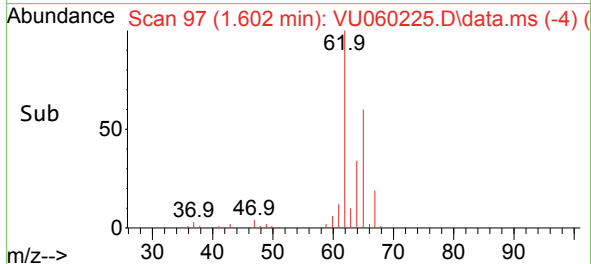
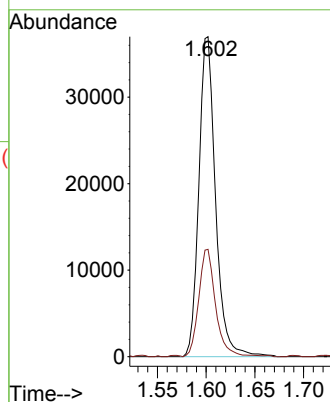
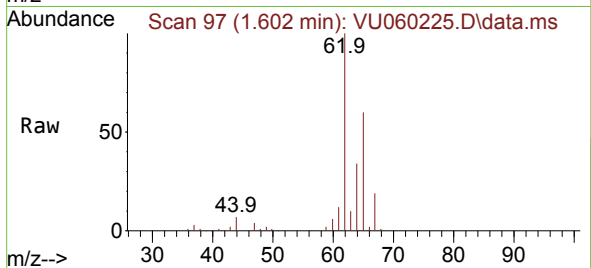
ClientSampleId :

Tgt Ion: 62 Resp: 44001

Ion Ratio Lower Upper

62 100

64 33.6 22.8 42.4



#8

Chloroethane

Concen: 0.367 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU060225.D

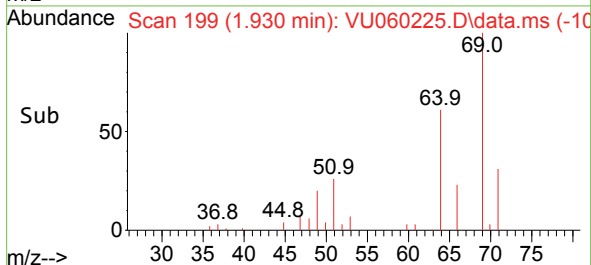
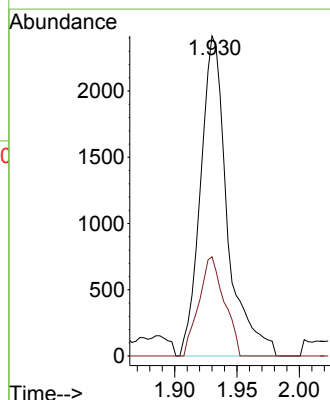
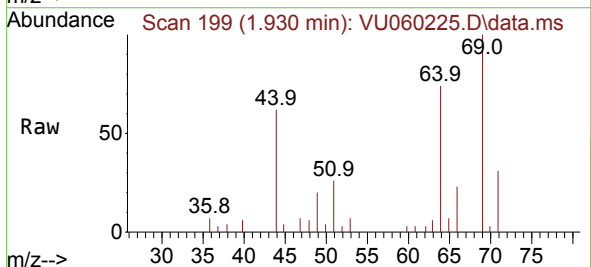
Acq: 26 Jul 2024 15:48

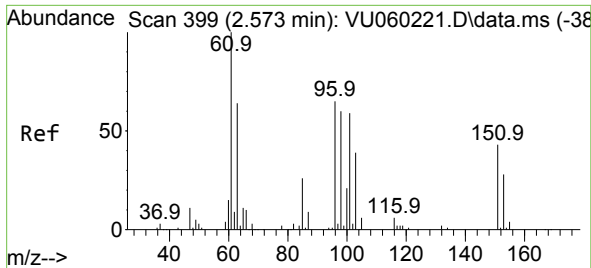
Tgt Ion: 64 Resp: 3620

Ion Ratio Lower Upper

64 100

66 31.0 22.8 42.4





#12

1,1-Dichloroethene

Concen: 0.198 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

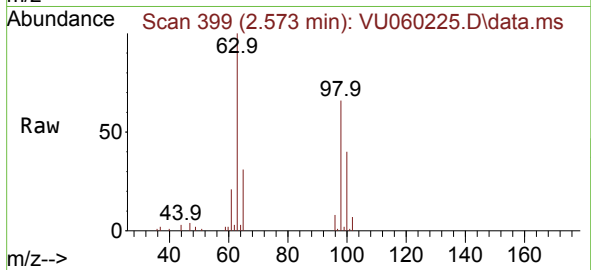
Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :



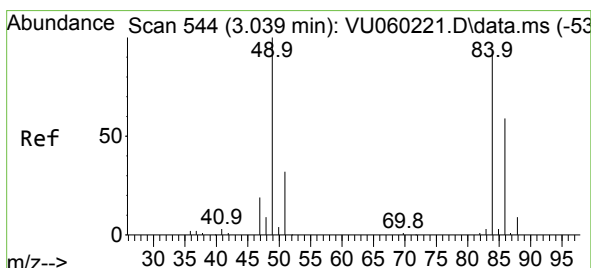
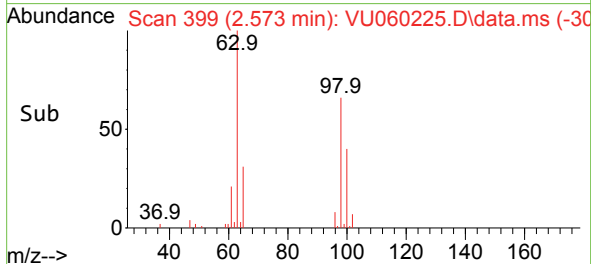
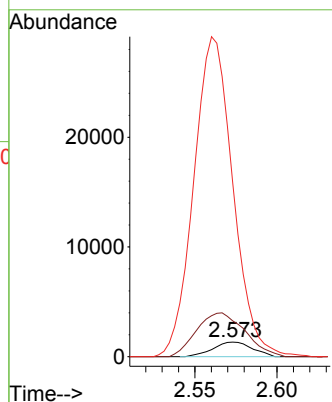
Tgt Ion: 96 Resp: 2225

Ion Ratio Lower Upper

96 100

61 245.6 107.0 198.6#

63 1195.9 76.4 142.0#



#16

Methylene chloride

Concen: 0.417 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

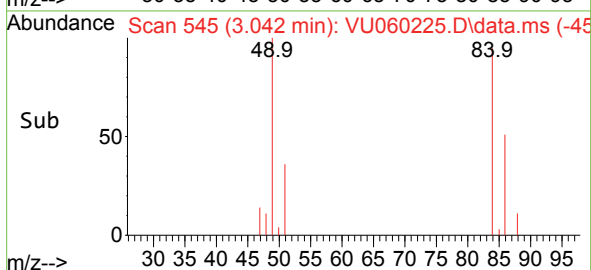
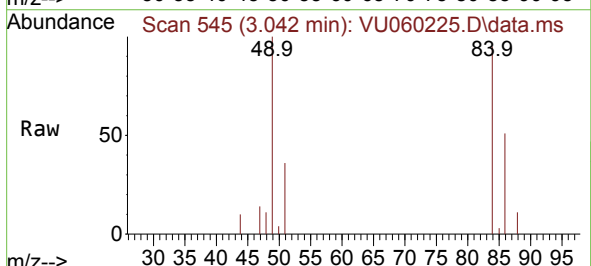
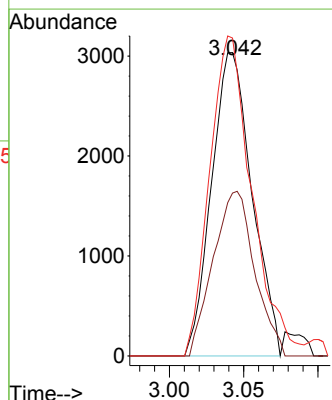
Tgt Ion: 84 Resp: 5750

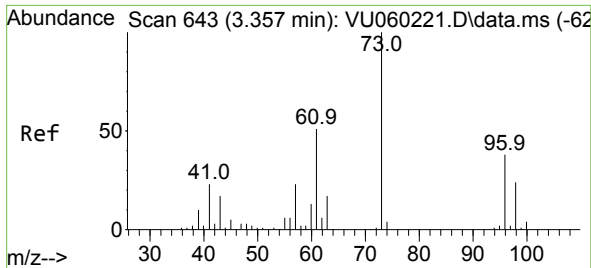
Ion Ratio Lower Upper

84 100

86 53.7 44.4 82.5

49 104.8 72.0 133.6

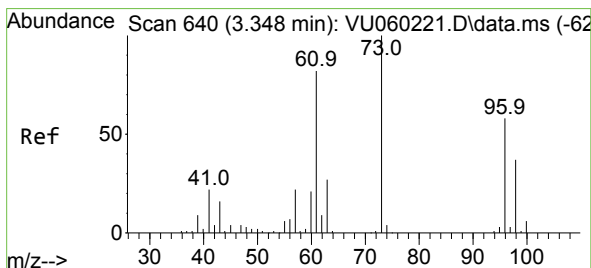
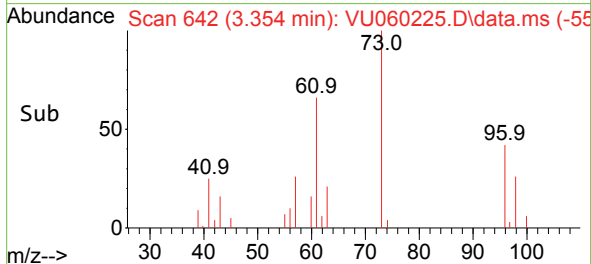
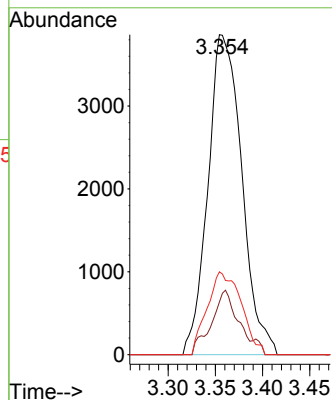
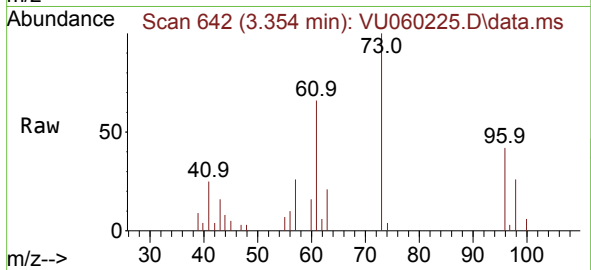




#17
Methyl tert-butyl Ether
Concen: 0.374 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

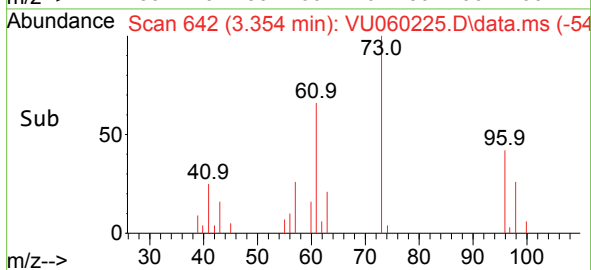
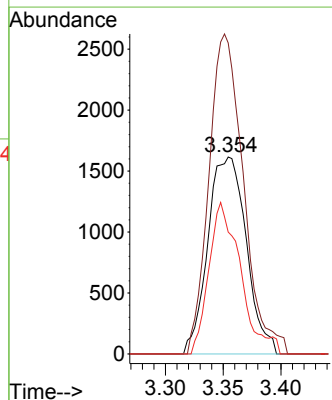
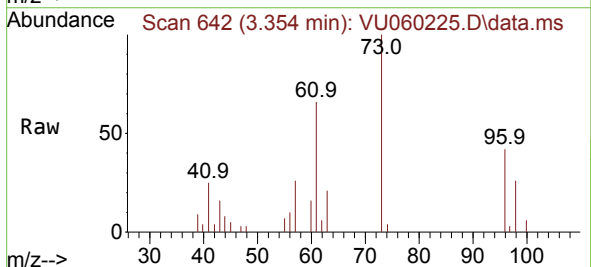
Instrument :
MSVOA_U
ClientSampleId :

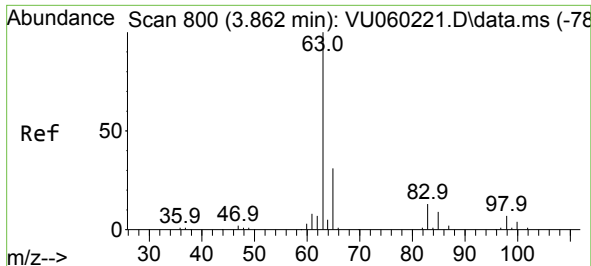
Tgt Ion: 73 Resp: 9612
Ion Ratio Lower Upper
73 100
43 16.7 13.1 19.7
57 26.0 17.0 25.4#



#18
trans-1,2-Dichloroethene
Concen: 0.319 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

Tgt Ion: 96 Resp: 3732
Ion Ratio Lower Upper
96 100
61 158.0 91.6 170.0
98 61.9 47.7 88.5

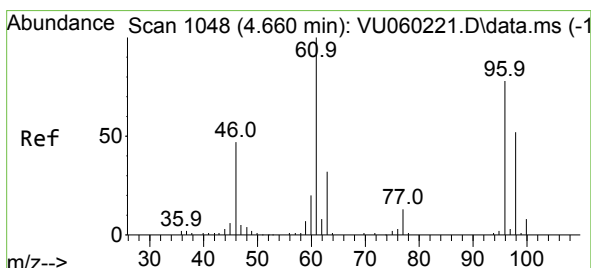
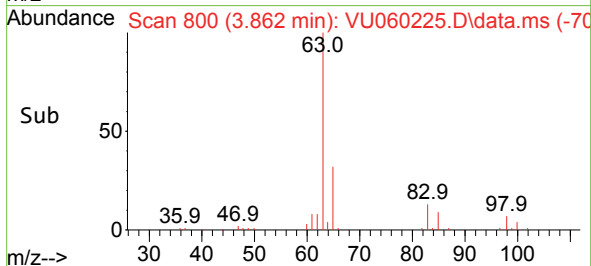
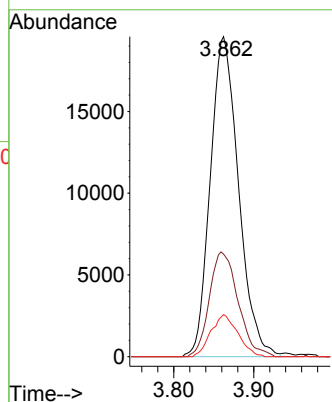
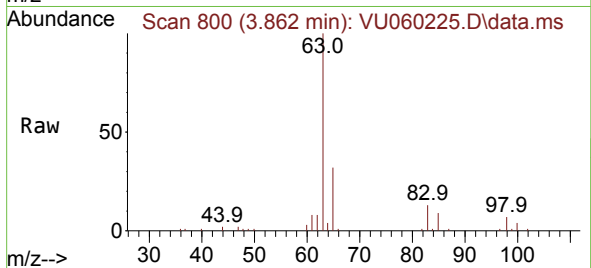




#19
1,1-Dichloroethane
Concen: 2.162 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

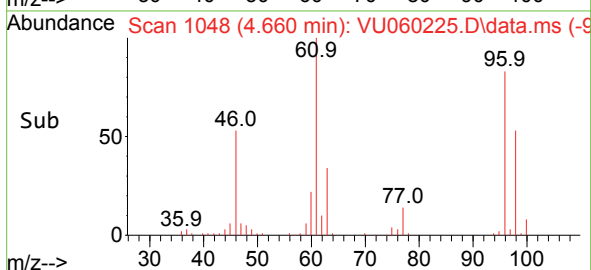
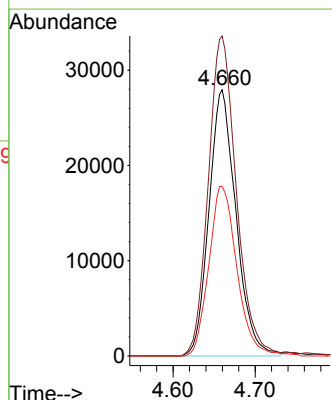
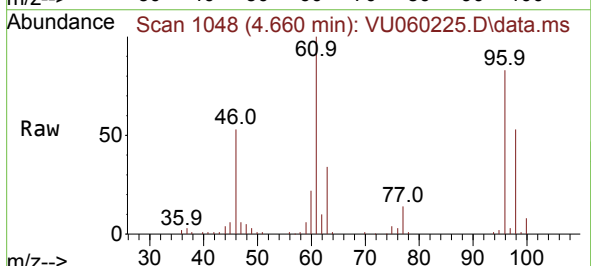
Instrument :
MSVOA_U
ClientSampleId :

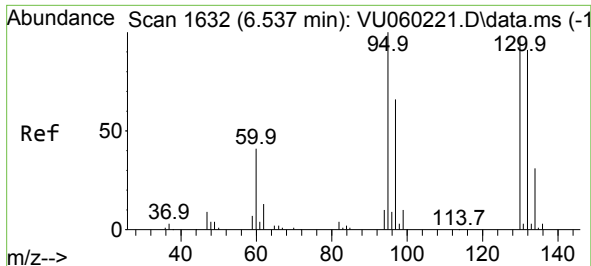
Tgt Ion: 63 Resp: 48079
Ion Ratio Lower Upper
63 100
65 32.0 22.0 40.8
83 13.1 9.7 17.9



#22
cis-1,2-Dichloroethene
Concen: 4.885 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

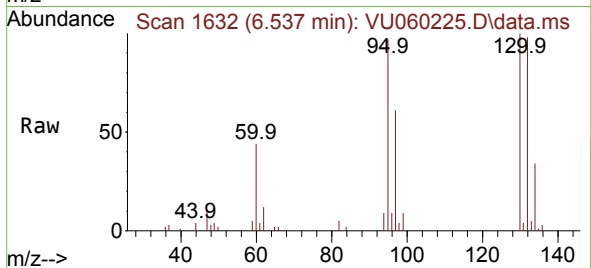
Tgt Ion: 96 Resp: 64087
Ion Ratio Lower Upper
96 100
61 120.2 80.2 148.9
98 63.6 44.7 83.1



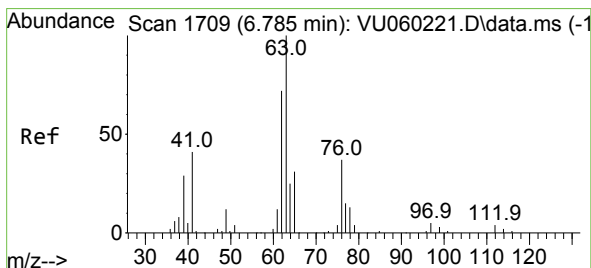
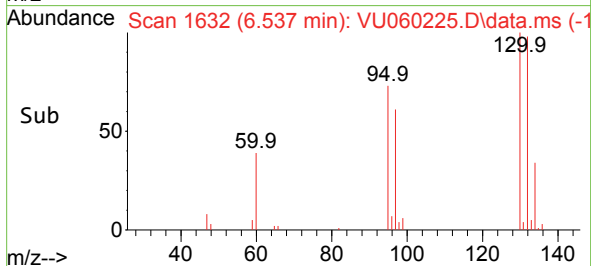
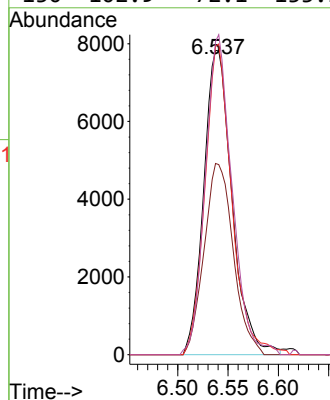


#34
Trichloroethene
Concen: 1.153 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :

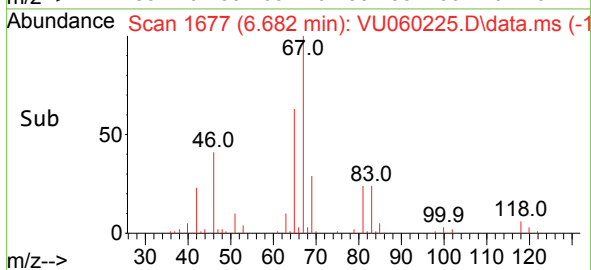
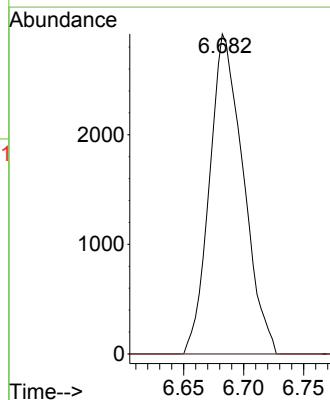
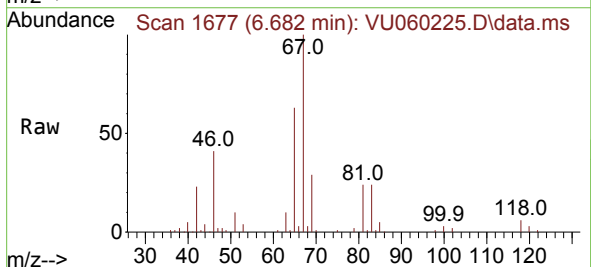


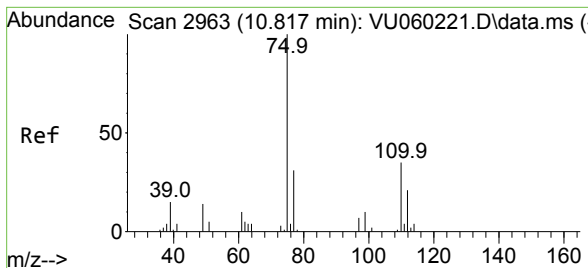
Tgt Ion	95	Resp:	15346
Ion Ratio	100	Lower	Upper
95	100		
97	62.8	45.9	85.3
132	101.3	71.4	132.6
130	102.9	72.1	133.9



#37
1,2-Dichloropropane
Concen: 0.421 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU060225.D
Acq: 26 Jul 2024 15:48

Tgt Ion	63	Resp:	5702
Ion Ratio	100	Lower	Upper
63	100		
112	0.0	3.3	4.9





#61

1,2,3-Trichloropropane

Concen: 1.161 ug/L

RT: 11.811 min Scan# 31

Delta R.T. 0.994 min

Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

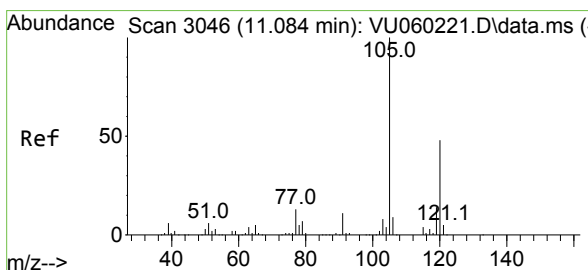
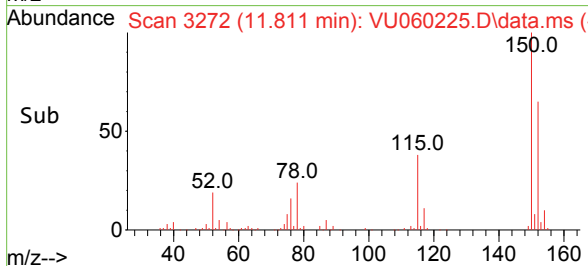
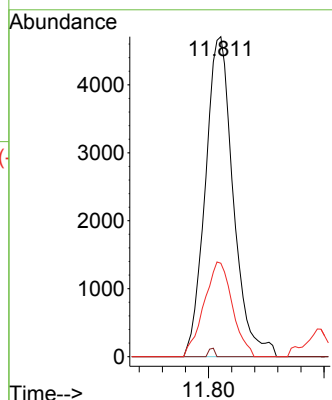
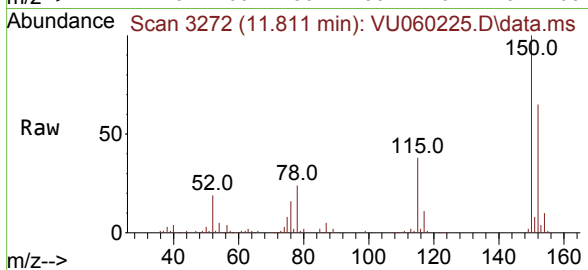
Tgt Ion: 75 Resp: 7899

Ion Ratio Lower Upper

75 100

110 0.6 30.8 46.2#

77 30.0 26.2 39.2



#62

1,3,5-Trimethylbenzene

Concen: 0.121 ug/L

RT: 11.891 min Scan# 3297

Delta R.T. 0.807 min

Lab File: VU060225.D

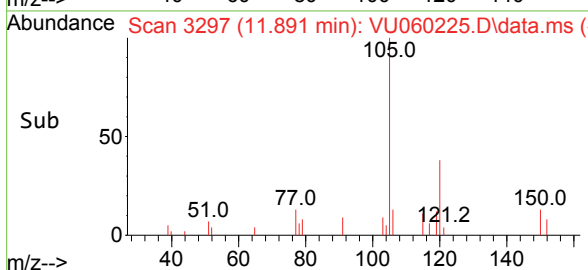
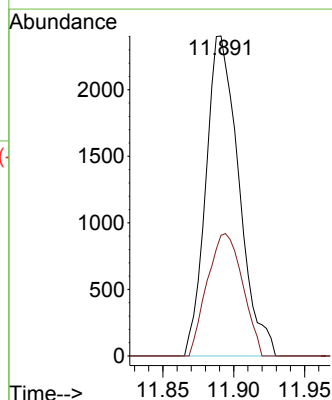
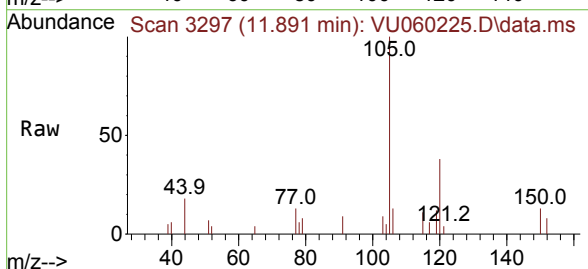
Acq: 26 Jul 2024 15:48

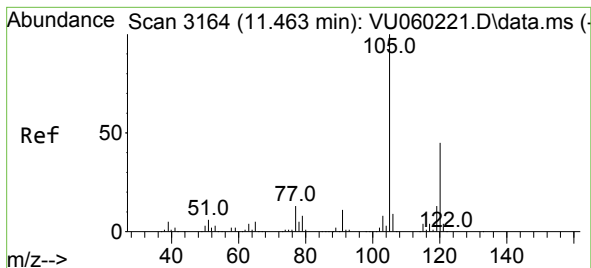
Tgt Ion: 105 Resp: 3886

Ion Ratio Lower Upper

105 100

120 41.0 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 0.125 ug/L

RT: 11.891 min Scan# 3164

Delta R.T. 0.428 min

Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

Instrument :

MSVOA_U

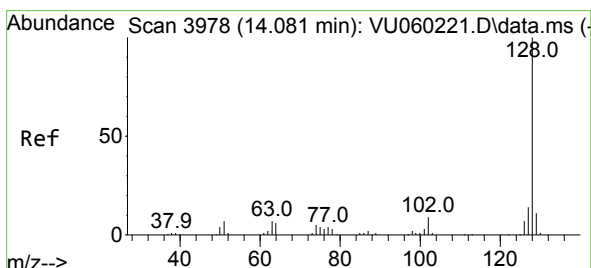
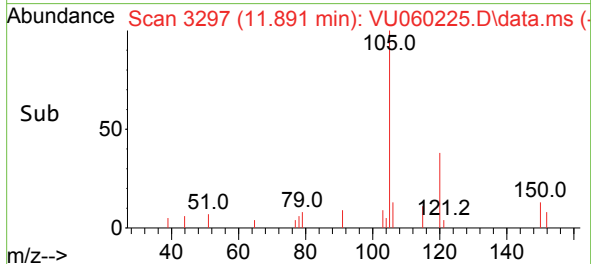
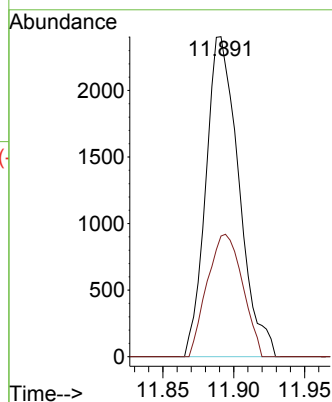
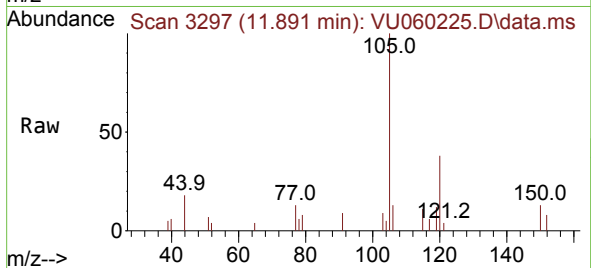
ClientSampleId :

Tgt Ion:105 Resp: 3886

Ion Ratio Lower Upper

105 100

120 41.0 36.7 55.1



#71

Naphthalene

Concen: 0.211 ug/L

RT: 14.103 min Scan# 3985

Delta R.T. 0.023 min

Lab File: VU060225.D

Acq: 26 Jul 2024 15:48

Tgt Ion:128 Resp: 3901

Ion Ratio Lower Upper

128 100

129 5.9 8.2 12.4#

127 10.1 10.6 16.0#

