

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070824\
 Data File : VU059885.D
 Acq On : 08 Jul 2024 15:55
 Operator : MD/SY
 Sample : P3137-18DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 09 02:37:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 09 02:28:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	171407	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	179437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90791	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43912	3.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.907	69	40809	3.558	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.557	65	17153	3.469	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	4.628	46	122039	49.708	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.420%
24) Chloroform-d	5.055	84	96248	3.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
26) 1,2-Dichloroethane-d4	5.695	65	49989	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.721	84	186014	3.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.682	67	63094	4.169	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.894	98	162993	3.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	8.177	79	21311	4.497	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.627	63	115698	58.764	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58467	4.676	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	72816	4.506	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	138178	8.002	ug/L	97
13) Acetone	2.644	43	8707	5.467	ug/L	100
14) Carbon disulfide	2.788	76	5677	0.140	ug/L #	94
16) Methylene chloride	3.036	84	13606	0.944	ug/L	90
18) trans-1,2-Dichloroethene	3.348	96	5564	0.440	ug/L	95
19) 1,1-Dichloroethane	3.859	63	151919	6.516	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	63409	4.550	ug/L	93
33) Benzene	5.769	78	9326	0.171	ug/L	100
34) Trichloroethene	6.538	95	21442	1.453	ug/L	97
35) Methylcyclohexane	6.682	83	14139	0.673	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	5950	0.422	ug/L #	93
39) cis-1,3-Dichloropropene	7.566	75	4170	0.216	ug/L	90
42) Toluene	7.972	91	5850	0.101	ug/L	93
44) trans-1,3-Dichloropropene	8.306	75	10817	0.699	ug/L	91
52) Ethylbenzene	9.566	91	6373	0.108	ug/L	92
61) 1,2,3-Trichloropropane	11.650	75	5025	0.599	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.994	75	302	0.185	ug/L #	34
72) 1,2,3-Trichlorobenzene	14.347	180	4267	0.284	ug/L #	24

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 09 02:28:04 2024
Response via : Initial Calibration

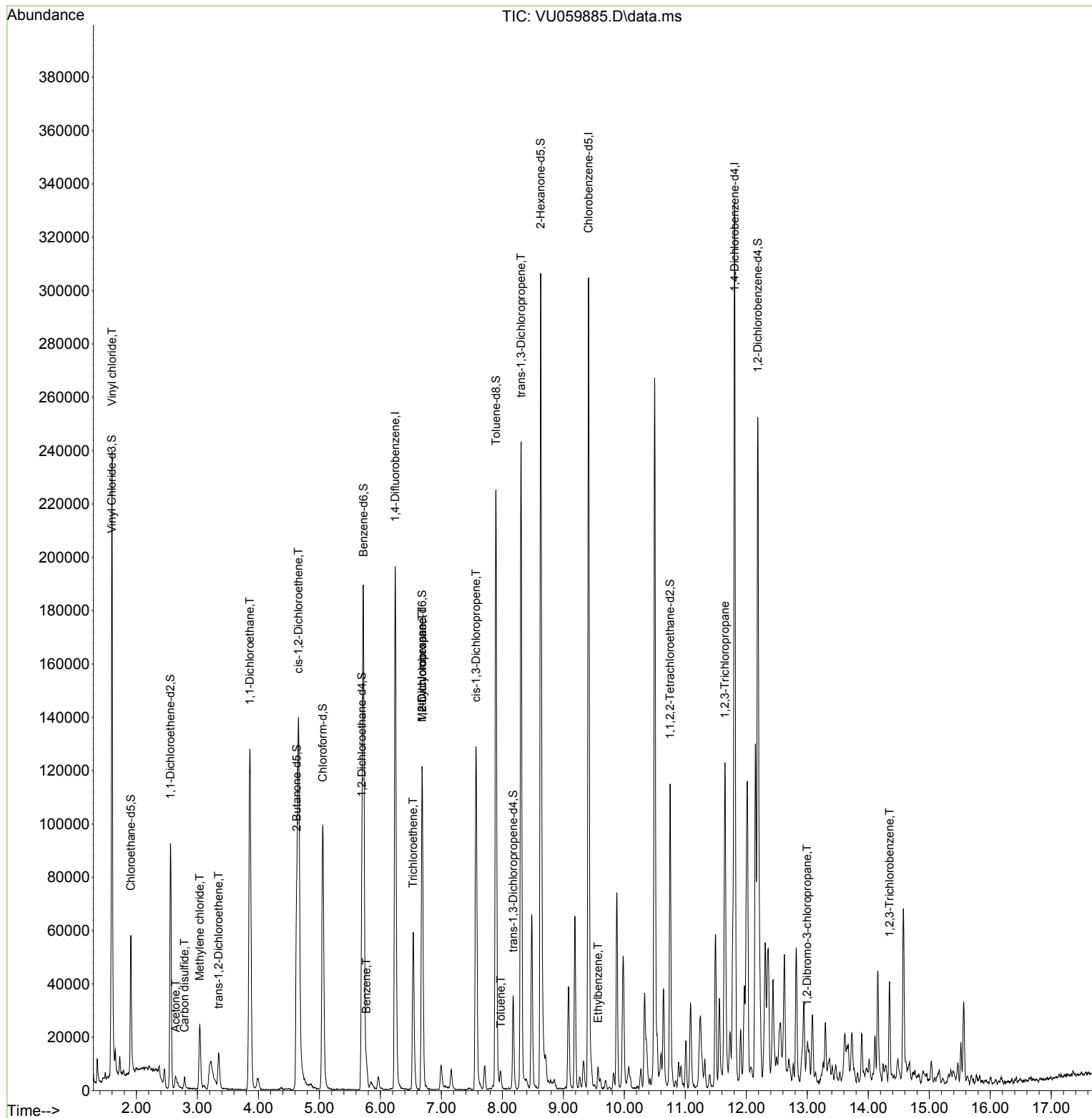
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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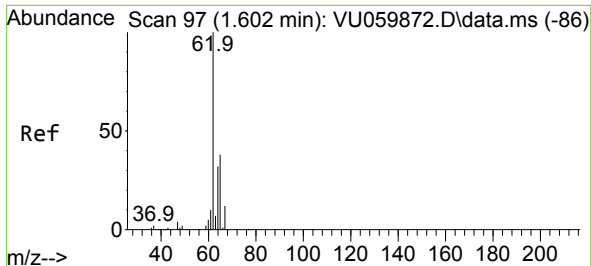
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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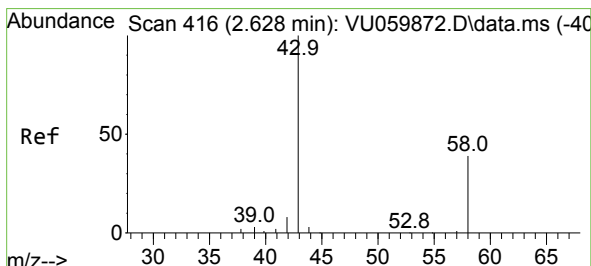
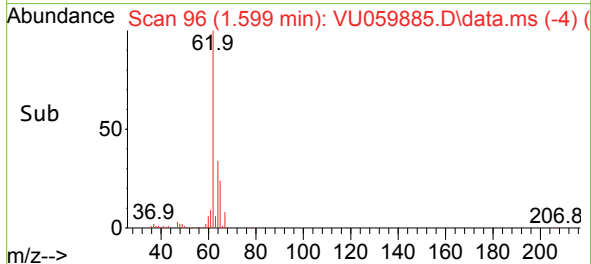
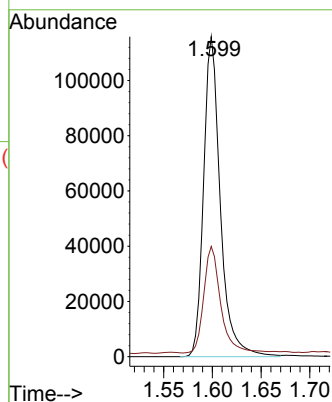
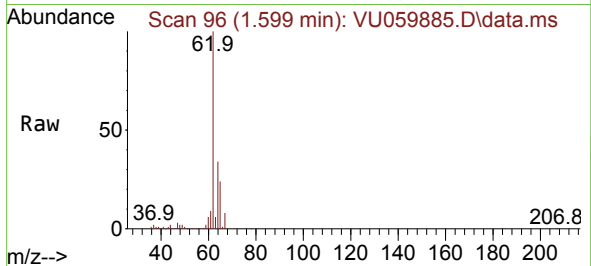




#5
 Vinyl chloride
 Concen: 8.002 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059885.D
 Acq: 08 Jul 2024 15:55

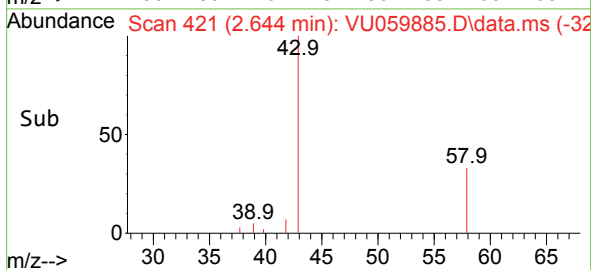
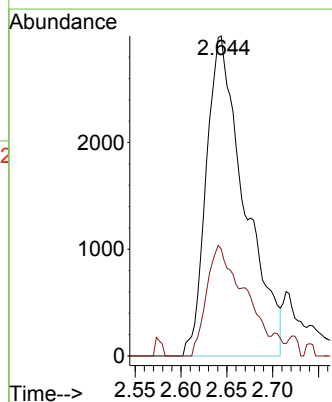
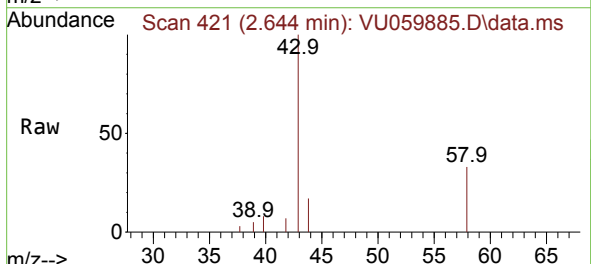
Instrument :
 MSVOA_U
 ClientSampleId :

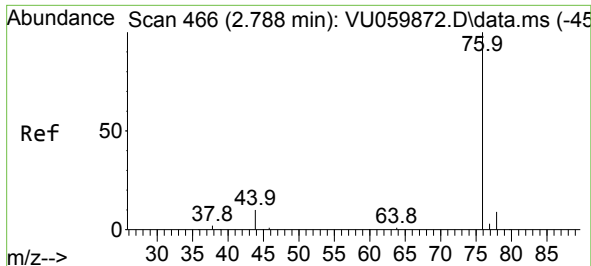
Tgt Ion: 62 Resp: 138178
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.1 42.9



#13
 Acetone
 Concen: 5.467 ug/L
 RT: 2.644 min Scan# 421
 Delta R.T. 0.016 min
 Lab File: VU059885.D
 Acq: 08 Jul 2024 15:55

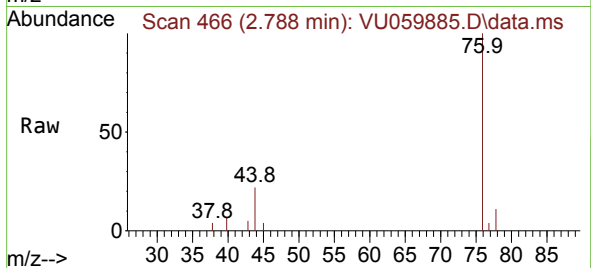
Tgt Ion: 43 Resp: 8707
 Ion Ratio Lower Upper
 43 100
 58 34.2 0.0 68.0



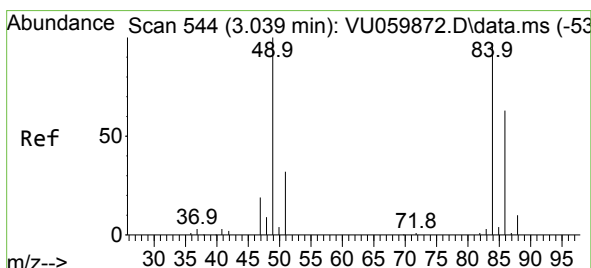
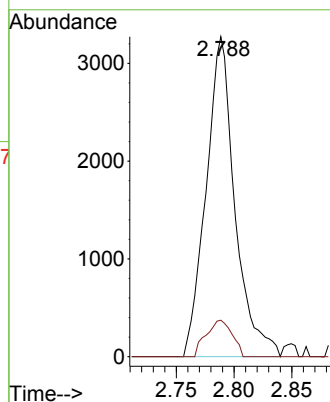
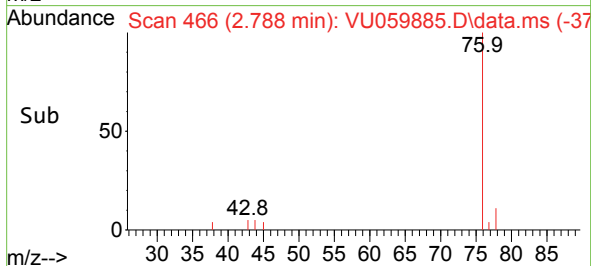


#14
Carbon disulfide
Concen: 0.140 ug/L
RT: 2.788 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :

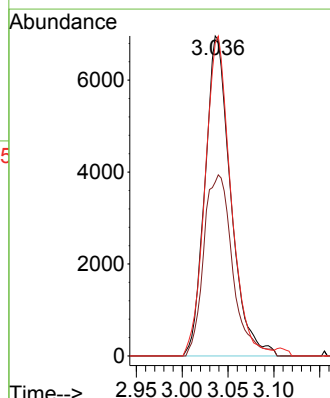
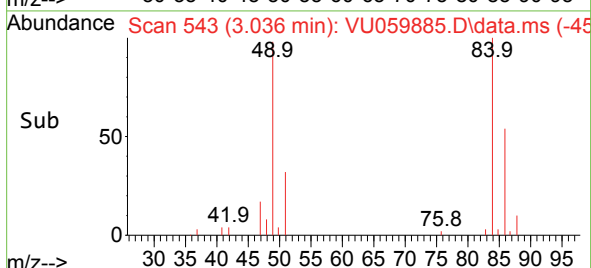
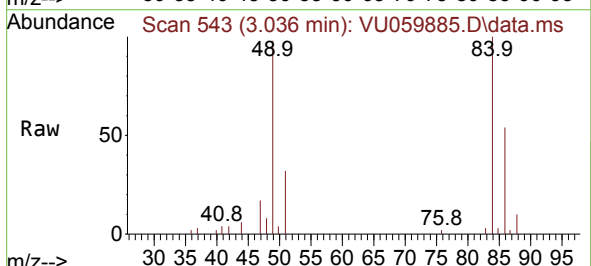


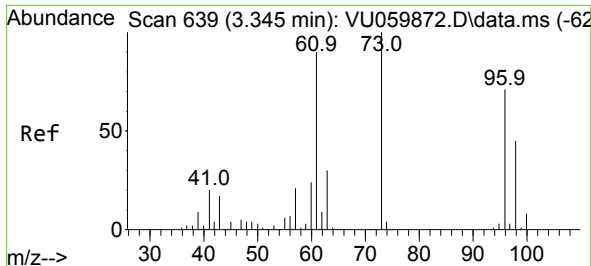
Tgt Ion: 76 Resp: 5677
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#16
Methylene chloride
Concen: 0.944 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

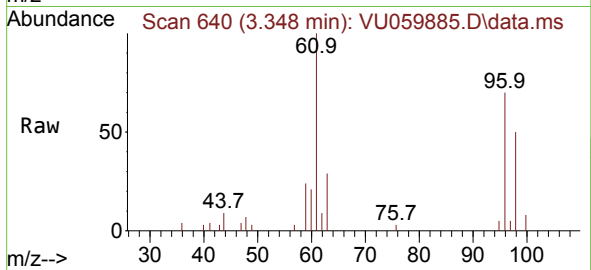
Tgt Ion: 84 Resp: 13606
Ion Ratio Lower Upper
84 100
86 56.0 42.1 78.1
49 101.3 80.6 149.8





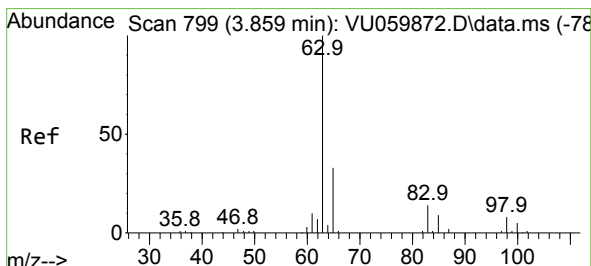
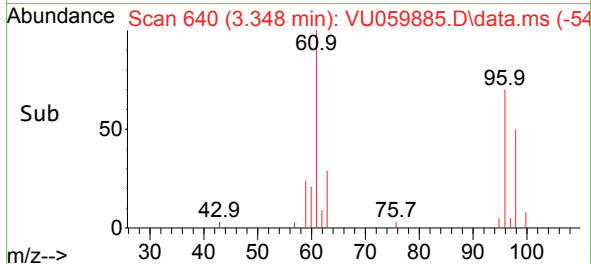
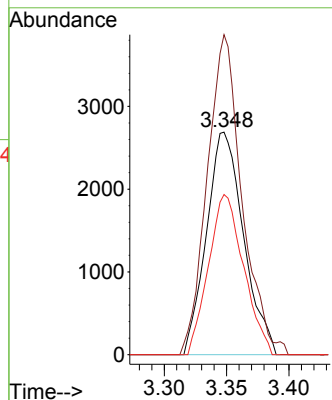
#18
trans-1,2-Dichloroethene
Concen: 0.440 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 5564

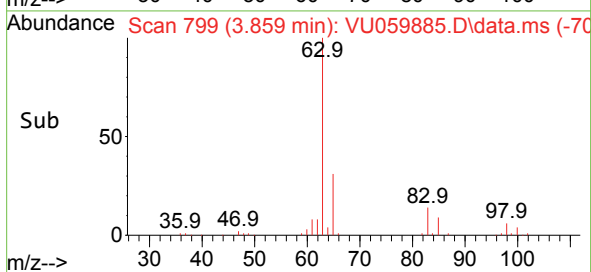
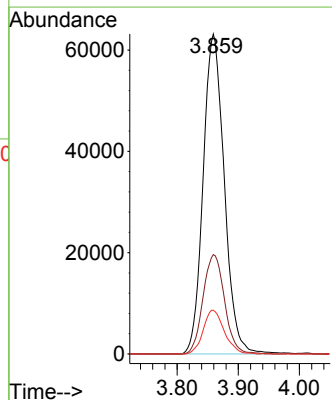
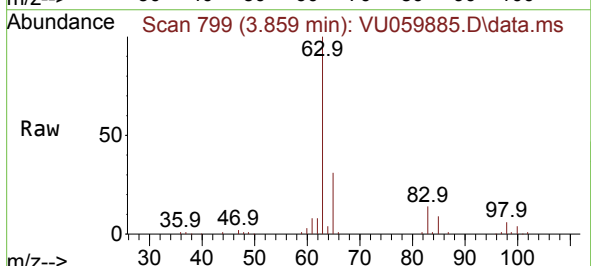
Ion	Ratio	Lower	Upper
96	100		
61	143.8	101.8	189.0
98	72.0	43.3	80.5

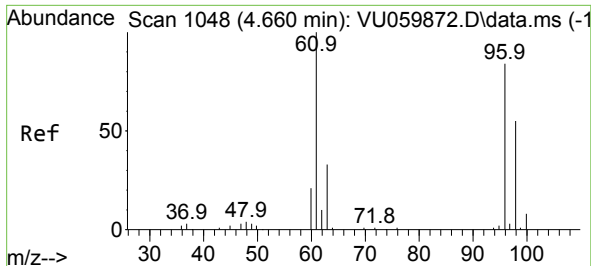


#19
1,1-Dichloroethane
Concen: 6.516 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Tgt Ion: 63 Resp: 151919

Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.8	40.6
83	13.7	9.9	18.5





#22

cis-1,2-Dichloroethene

Concen: 4.550 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

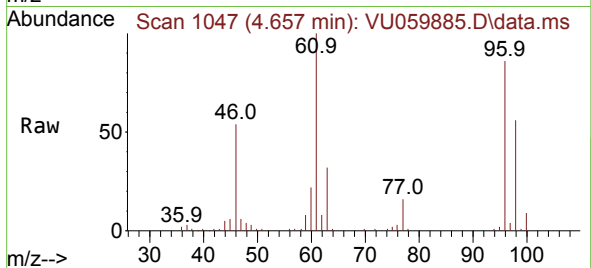
Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :



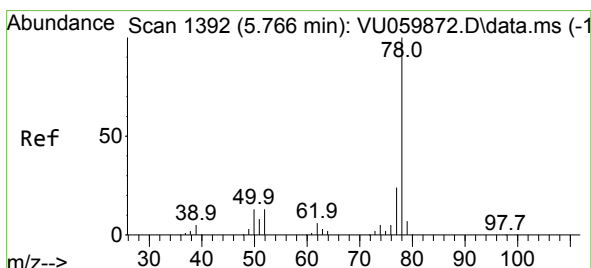
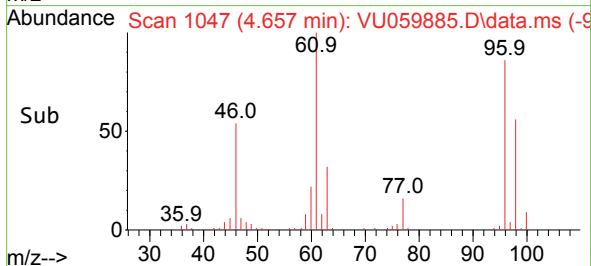
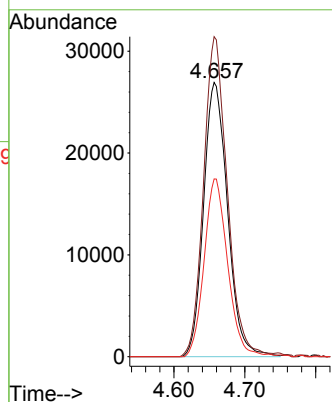
Tgt Ion: 96 Resp: 63409

Ion Ratio Lower Upper

96 100

61 116.7 87.4 162.2

98 64.8 42.3 78.5



#33

Benzene

Concen: 0.171 ug/L

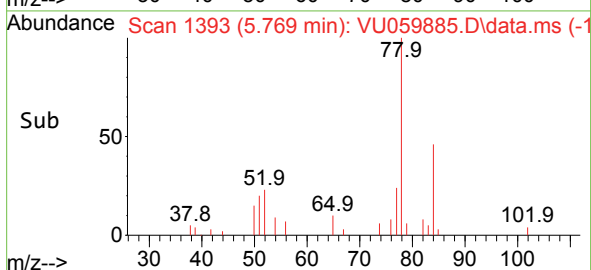
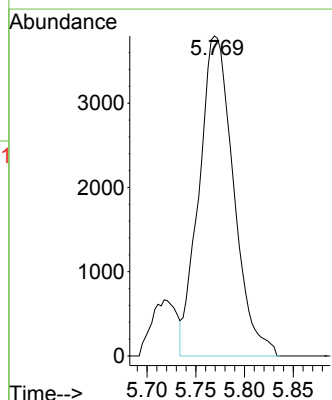
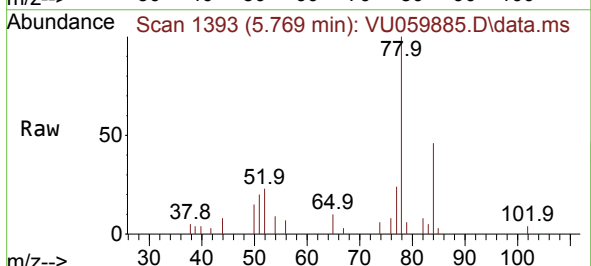
RT: 5.769 min Scan# 1393

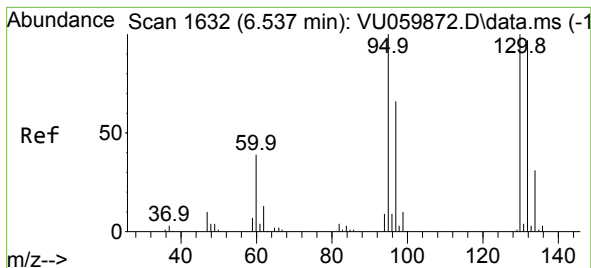
Delta R.T. 0.003 min

Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

Tgt Ion: 78 Resp: 9326





#34

Trichloroethene

Concen: 1.453 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

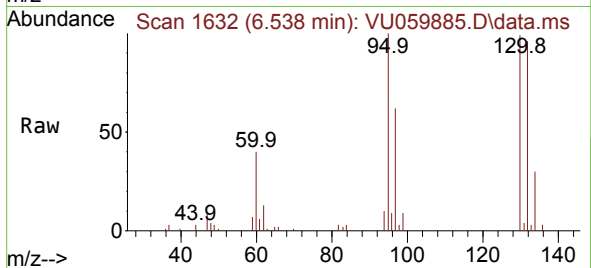
Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 21442

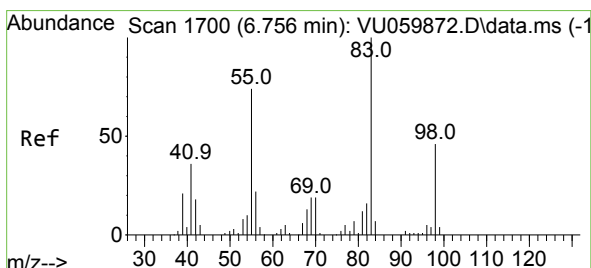
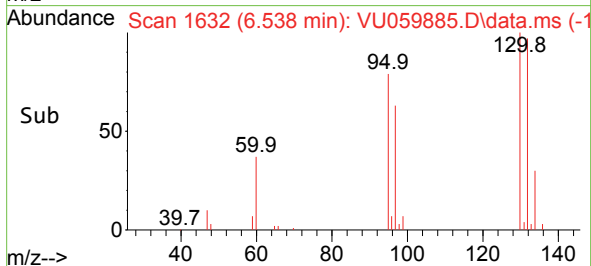
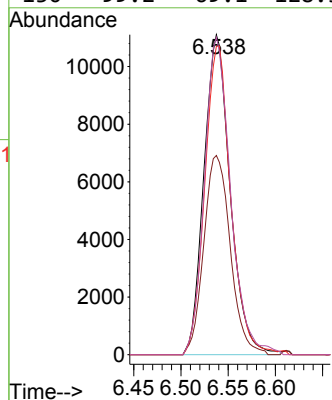
Ion Ratio Lower Upper

95 100

97 62.3 45.3 84.1

132 96.4 64.0 119.0

130 99.2 69.1 128.3



#35

Methylcyclohexane

Concen: 0.673 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

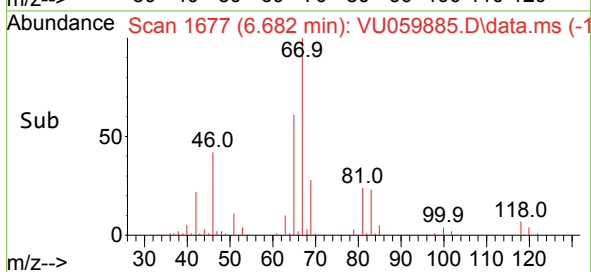
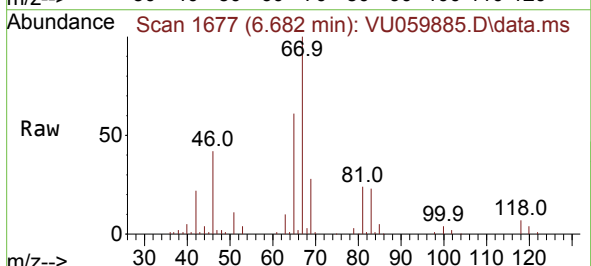
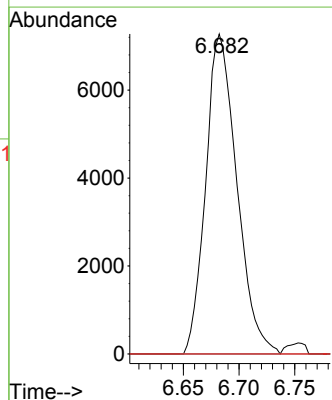
Tgt Ion: 83 Resp: 14139

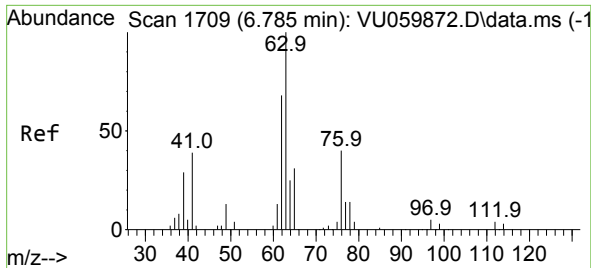
Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 1.9 35.4 53.0#





#37

1,2-Dichloropropane

Concen: 0.422 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

Instrument :

MSVOA_U

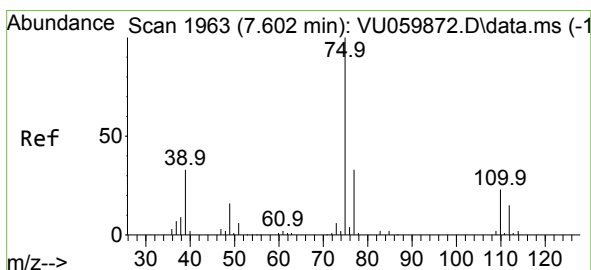
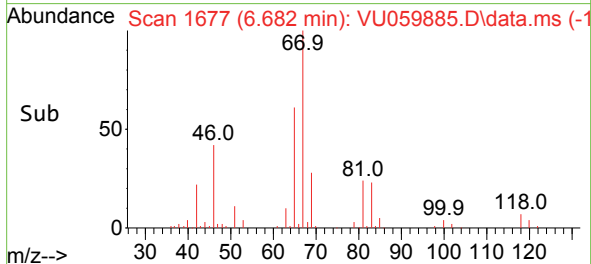
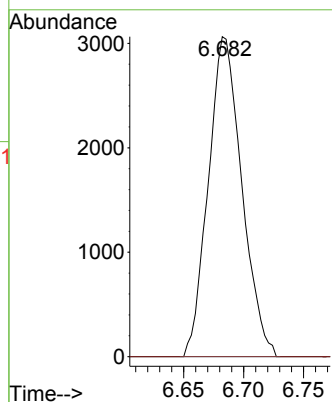
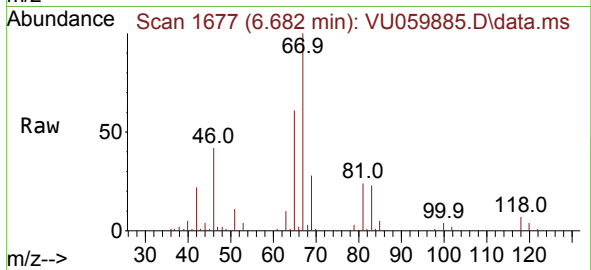
ClientSampleId :

Tgt Ion: 63 Resp: 5950

Ion Ratio Lower Upper

63 100

112 0.7 2.6 3.8#



#39

cis-1,3-Dichloropropene

Concen: 0.216 ug/L

RT: 7.566 min Scan# 1952

Delta R.T. -0.035 min

Lab File: VU059885.D

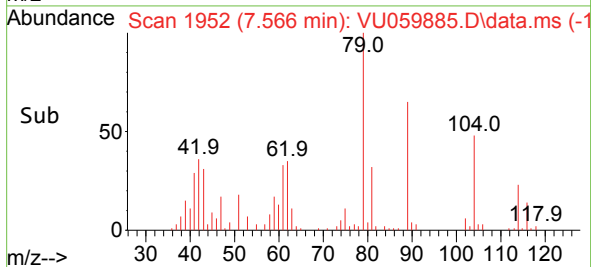
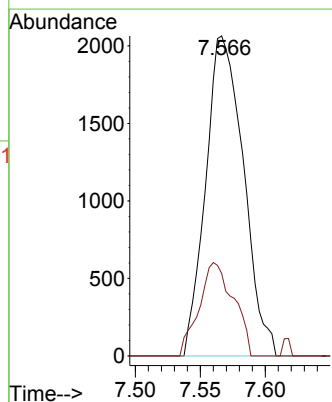
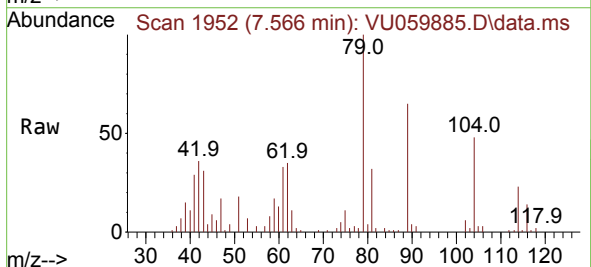
Acq: 08 Jul 2024 15:55

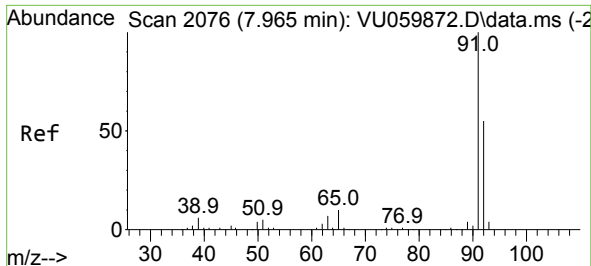
Tgt Ion: 75 Resp: 4170

Ion Ratio Lower Upper

75 100

77 25.8 22.0 40.8





#42

Toluene

Concen: 0.101 ug/L

RT: 7.972 min Scan# 2076

Delta R.T. 0.007 min

Lab File: VU059885.D

Acq: 08 Jul 2024 15:55

Instrument :

MSVOA_U

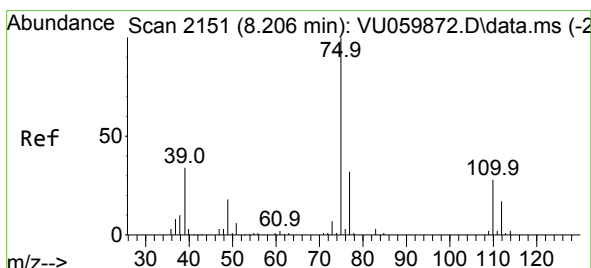
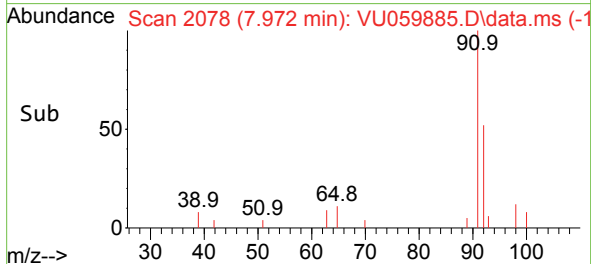
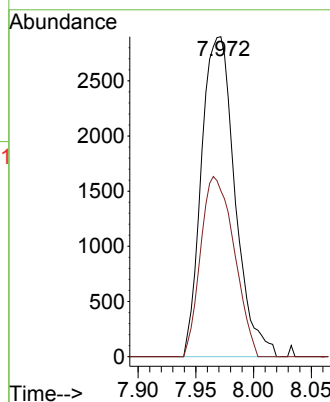
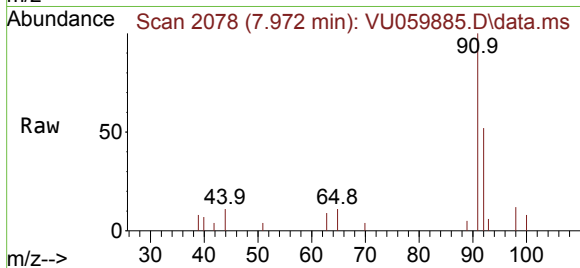
ClientSampleId :

Tgt Ion: 91 Resp: 5850

Ion Ratio Lower Upper

91 100

92 51.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.699 ug/L

RT: 8.306 min Scan# 2182

Delta R.T. 0.100 min

Lab File: VU059885.D

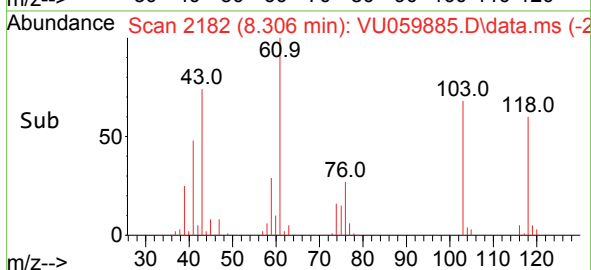
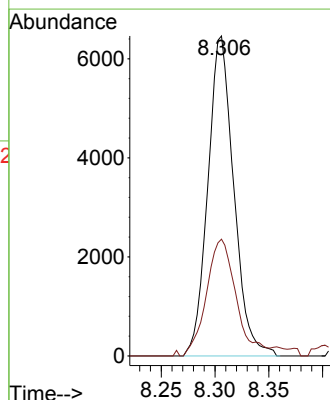
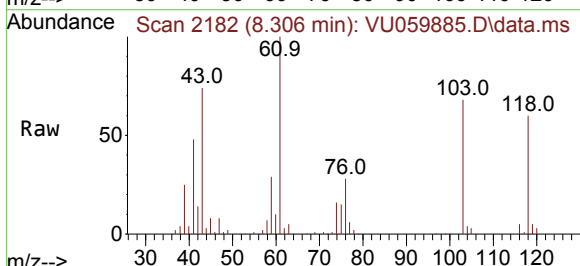
Acq: 08 Jul 2024 15:55

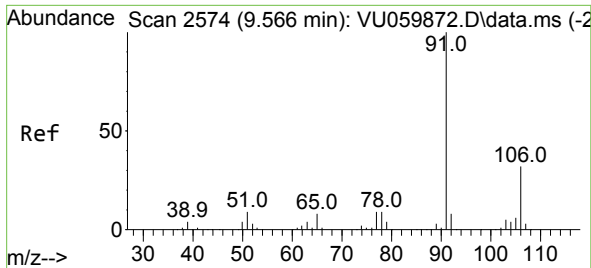
Tgt Ion: 75 Resp: 10817

Ion Ratio Lower Upper

75 100

77 36.5 22.0 41.0

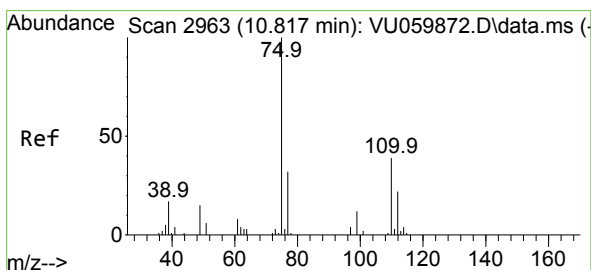
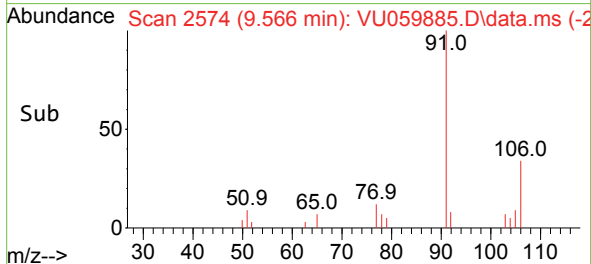
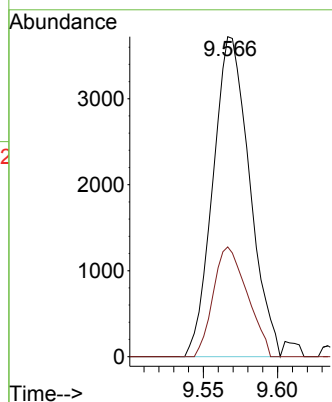
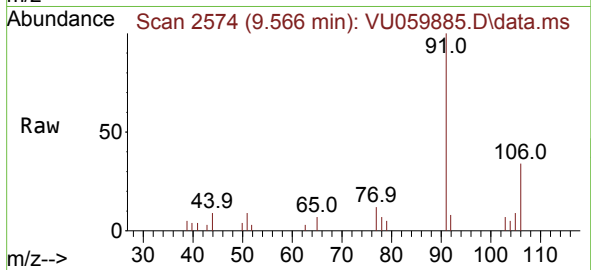




#52
Ethylbenzene
Concen: 0.108 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

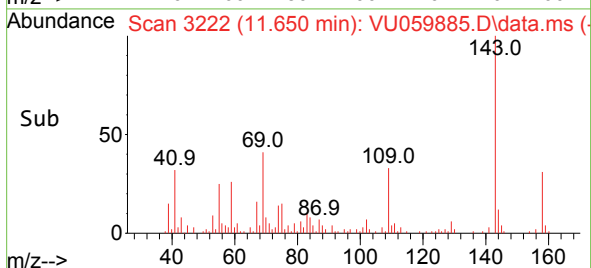
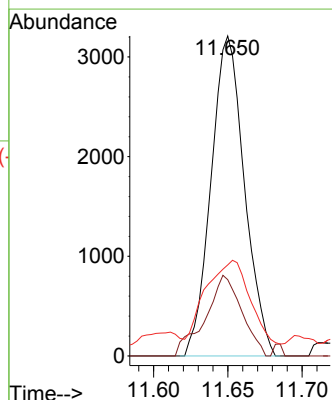
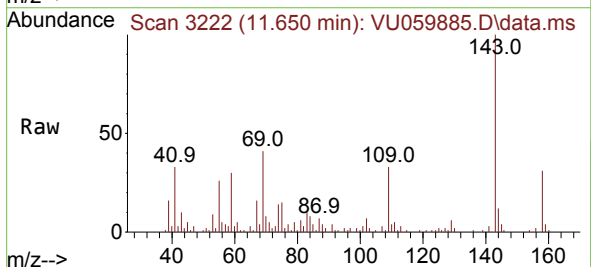
Instrument :
MSVOA_U
ClientSampleId :

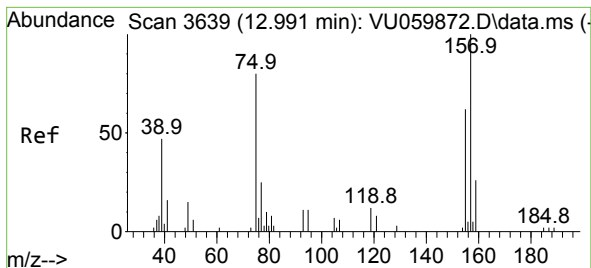
Tgt Ion: 91 Resp: 6373
Ion Ratio Lower Upper
91 100
106 34.3 20.9 38.7



#61
1,2,3-Trichloropropane
Concen: 0.599 ug/L
RT: 11.650 min Scan# 3222
Delta R.T. 0.833 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Tgt Ion: 75 Resp: 5025
Ion Ratio Lower Upper
75 100
110 27.4 27.1 40.7
77 35.6 25.4 38.2

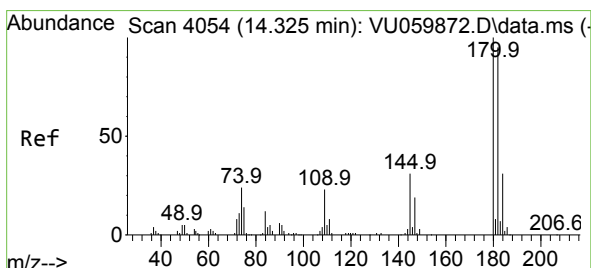
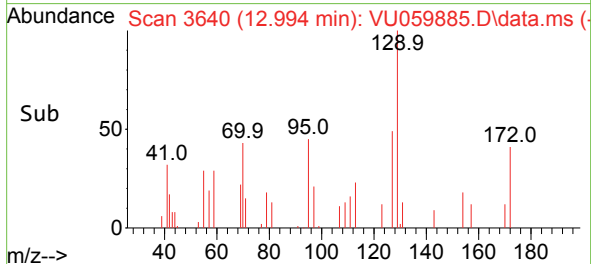
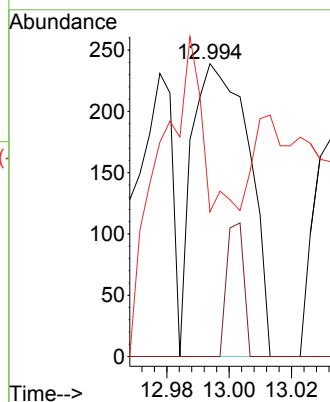
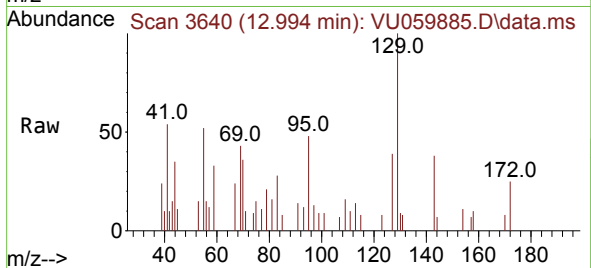




#68
1,2-Dibromo-3-chloropropane
Concen: 0.185 ug/L
RT: 12.994 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 302
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 49.4 80.0 120.0#



#72
1,2,3-Trichlorobenzene
Concen: 0.284 ug/L
RT: 14.347 min Scan# 4061
Delta R.T. 0.023 min
Lab File: VU059885.D
Acq: 08 Jul 2024 15:55

Tgt Ion:180 Resp: 4267
Ion Ratio Lower Upper
180 100
182 5.7 77.0 115.6#
145 17.2 26.2 39.4#

