

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU057003.D
 Acq On : 18 Dec 2023 19:10
 Operator : MD/SY
 Sample : 05811-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 19 01:43:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 01:20:32 2023
 Response via : Initial Calibration

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

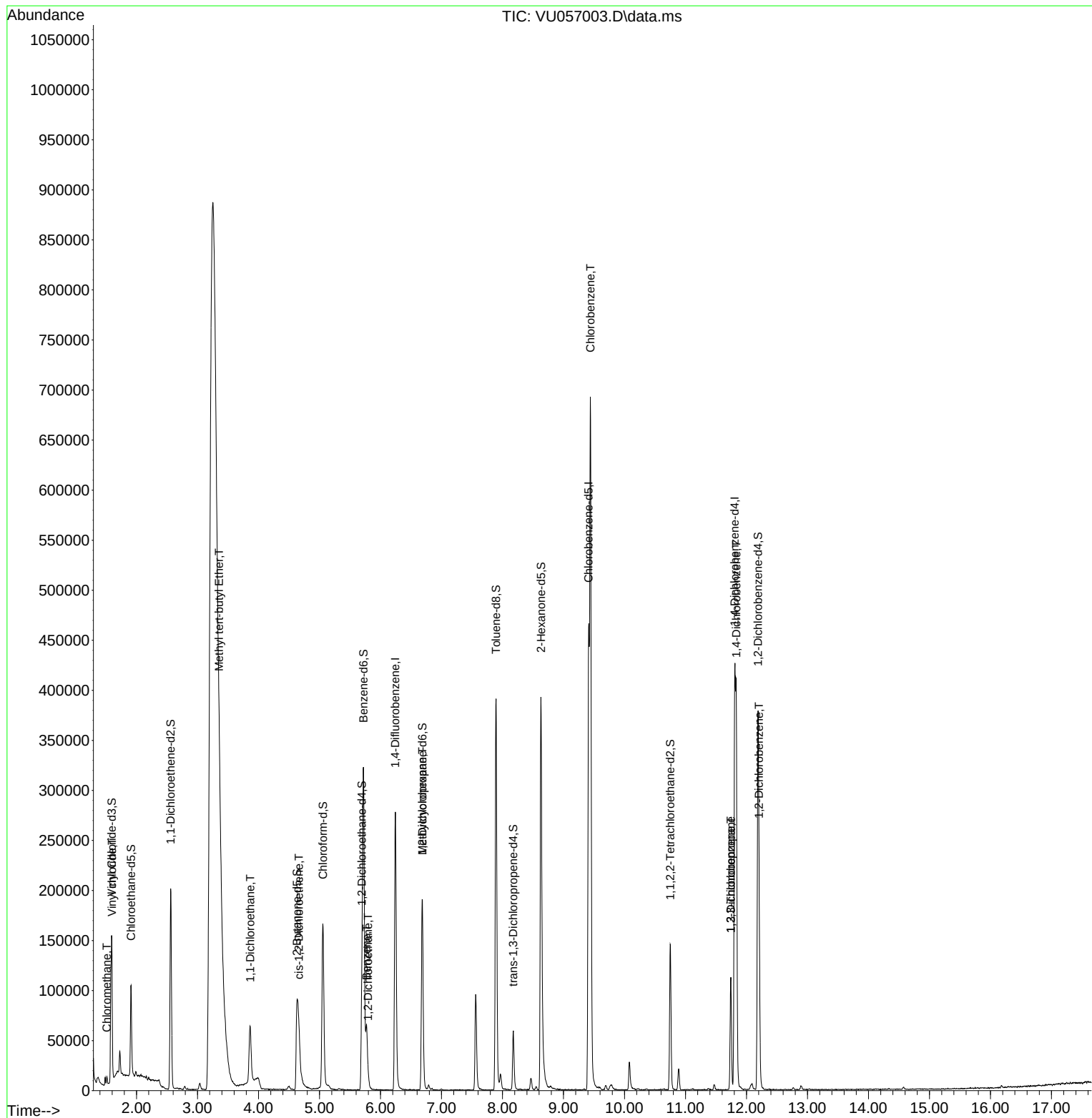
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	225232	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	251289	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	104788	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87615	4.538	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.911	69	69857	4.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.560	65	38944	4.715	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.631	46	172049	45.125	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.260%
24) Chloroform-d	5.055	84	160840	4.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.695	65	76209	4.405	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.721	84	307309	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.685	67	93822	3.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.894	98	269220	3.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	8.177	79	35563	3.759	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.631	63	133644	37.454	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.900%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	76388	4.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	91355	4.435	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	5359	0.231	ug/L	89
5) Vinyl chloride	1.599	62	8043	0.349	ug/L #	28
17) Methyl tert-butyl Ether	3.354	73	29629	0.731	ug/L #	1
19) 1,1-Dichloroethane	3.866	63	67424	1.891	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	13914	0.690	ug/L	94
27) 1,2-Dichloroethane	5.795	62	10141	0.459	ug/L	99
33) Benzene	5.772	78	60949	0.690	ug/L	100
35) Methylcyclohexane	6.685	83	22134	0.619	ug/L #	18
51) Chlorobenzene	9.441	112	372026	6.388	ug/L	99
61) 1,2,3-Trichloropropane	11.743	75	15260	1.356	ug/L #	49
64) 1,3-Dichlorobenzene	11.743	146	44852	1.145	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	147075	3.814	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	54118	1.517	ug/L	97

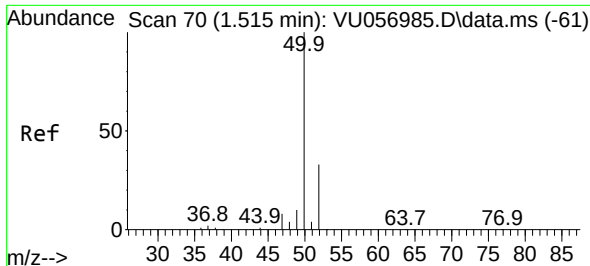
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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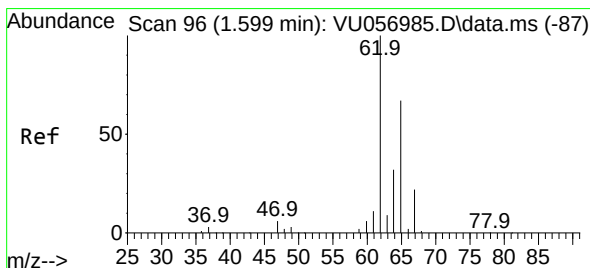
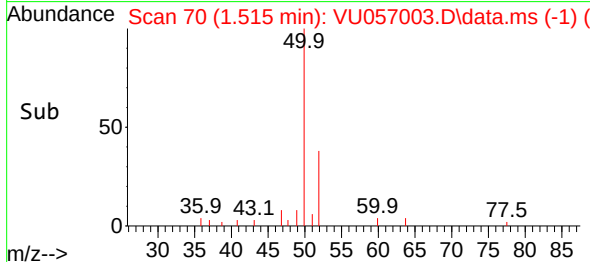
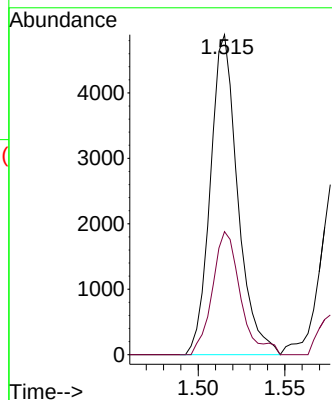
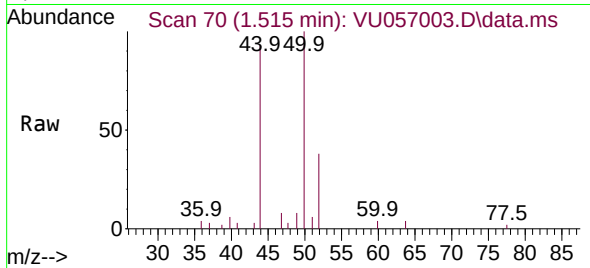




#3
Chloromethane
Concen: 0.231 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

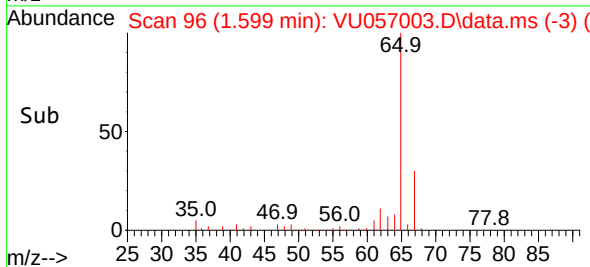
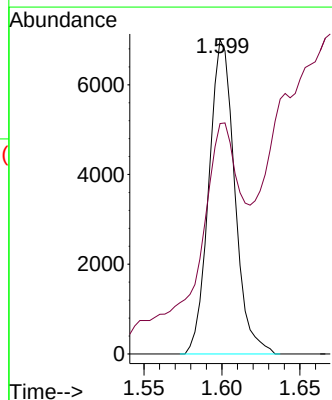
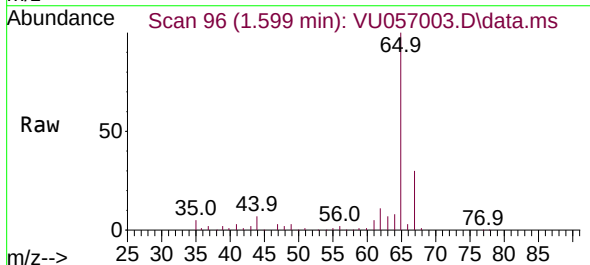
Instrument :
MSVOA_U
ClientSampleId :

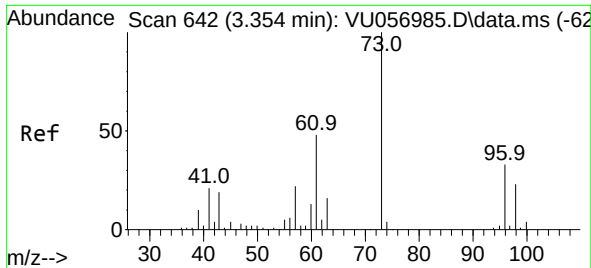
Tgt Ion: 50 Resp: 5359
Ion Ratio Lower Upper
50 100
52 38.4 22.5 41.7



#5
Vinyl chloride
Concen: 0.349 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

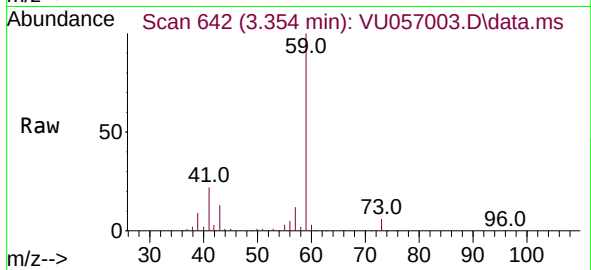
Tgt Ion: 62 Resp: 8043
Ion Ratio Lower Upper
62 100
64 73.3 22.8 42.4#



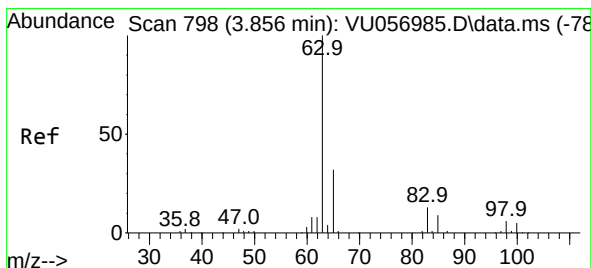
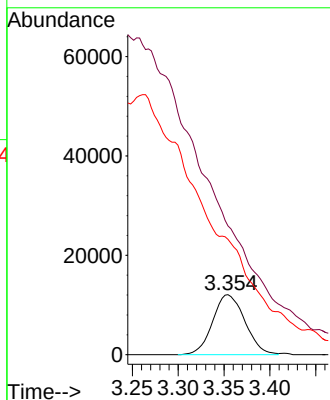
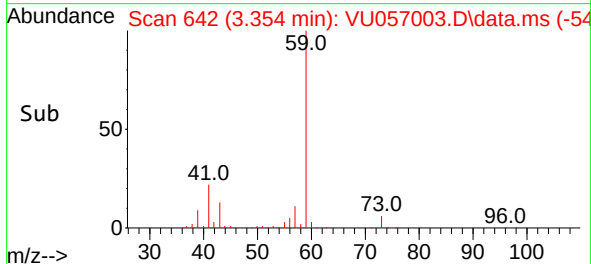


#17
Methyl tert-butyl Ether
Concen: 0.731 ug/L
RT: 3.354 min Scan# 64
Delta R.T. 0.000 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

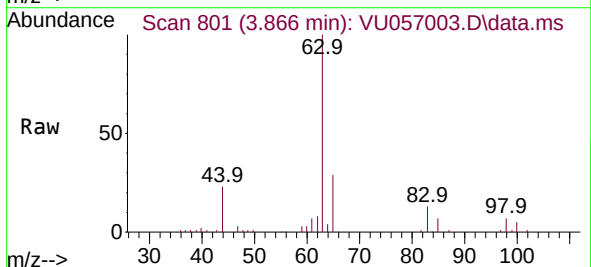
Instrument :
MSVOA_U
ClientSampleId :



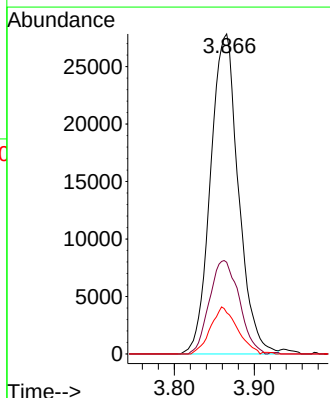
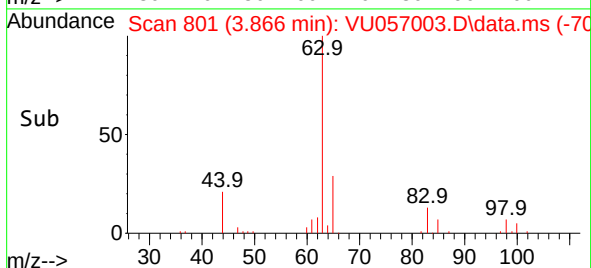
Tgt Ion: 73 Resp: 29629
Ion Ratio Lower Upper
73 100
43 1988.2 14.4 21.6#
57 531.8 17.8 26.8#

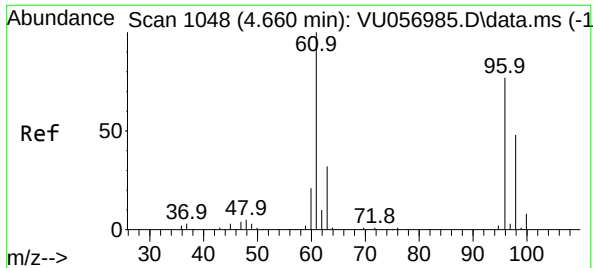


#19
1,1-Dichloroethane
Concen: 1.891 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.010 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10



Tgt Ion: 63 Resp: 67424
Ion Ratio Lower Upper
63 100
65 28.7 22.9 42.5
83 12.9 10.1 18.9

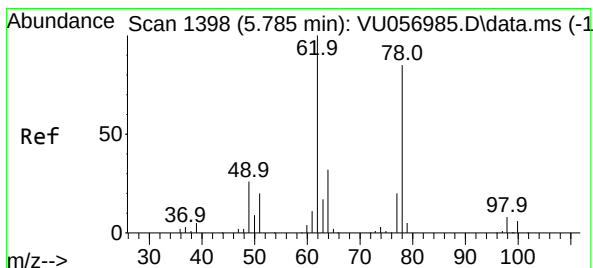
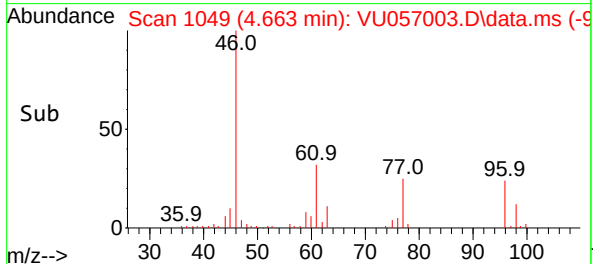
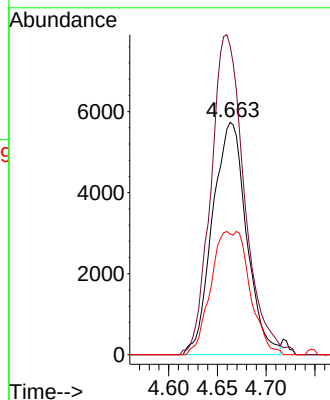
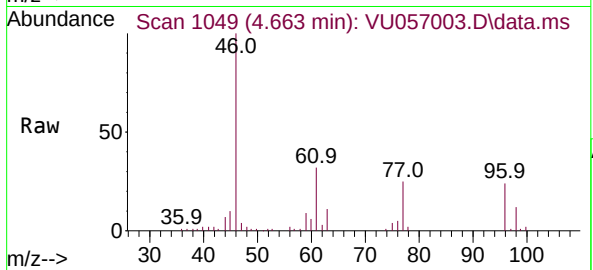




#22
 cis-1,2-Dichloroethene
 Concen: 0.690 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU057003.D
 Acq: 18 Dec 2023 19:10

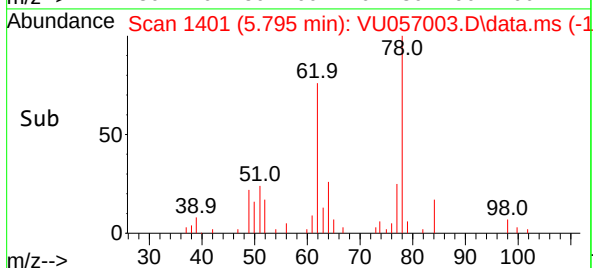
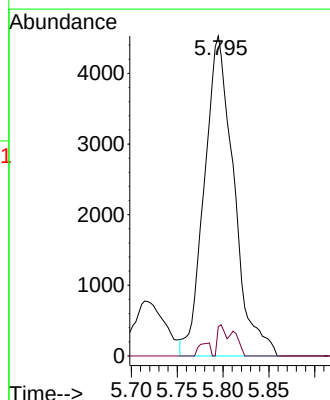
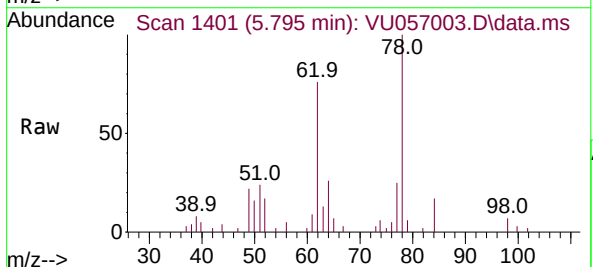
Instrument :
 MSVOA_U
 ClientSampleId :

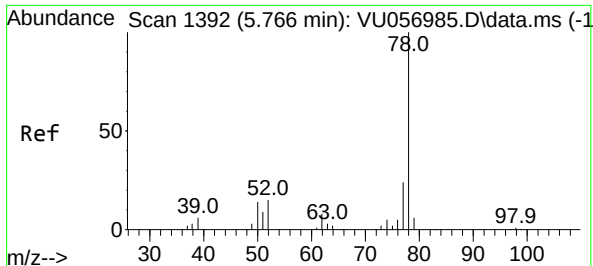
Tgt Ion: 96 Resp: 13914
 Ion Ratio Lower Upper
 96 100
 61 133.0 91.3 169.6
 98 52.0 44.2 82.0



#27
 1,2-Dichloroethane
 Concen: 0.459 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.010 min
 Lab File: VU057003.D
 Acq: 18 Dec 2023 19:10

Tgt Ion: 62 Resp: 10141
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.8 11.6

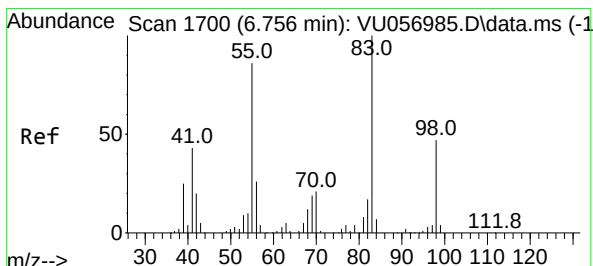
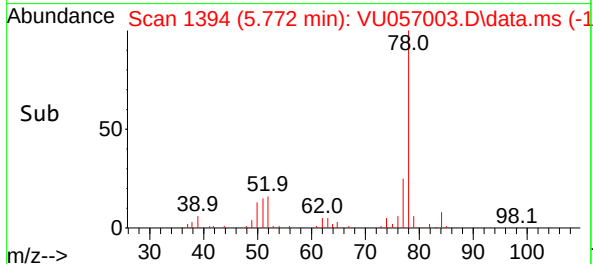
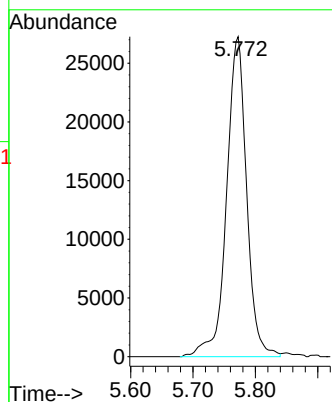
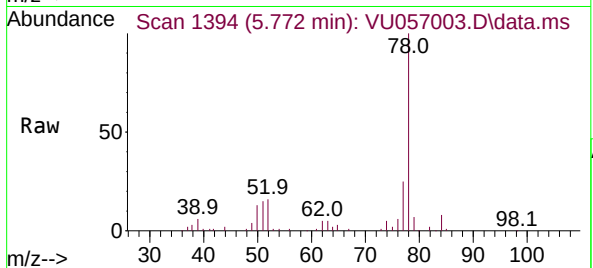




#33
Benzene
Concen: 0.690 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

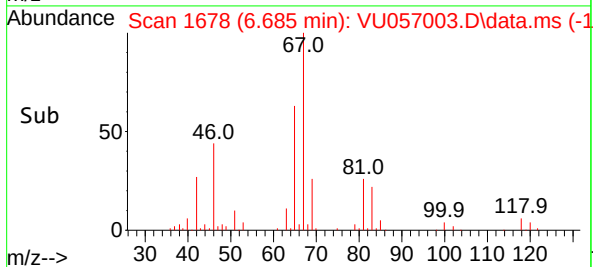
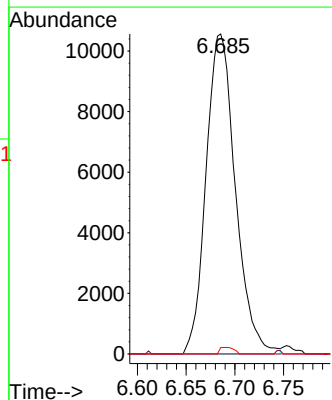
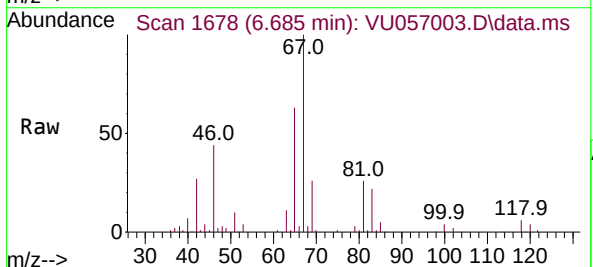
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ClientSampleId :

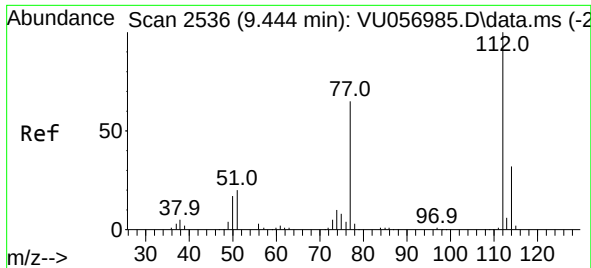
Tgt Ion: 78 Resp: 60949



#35
Methylcyclohexane
Concen: 0.619 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

Tgt Ion: 83 Resp: 22134
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 1.0 36.1 54.1#

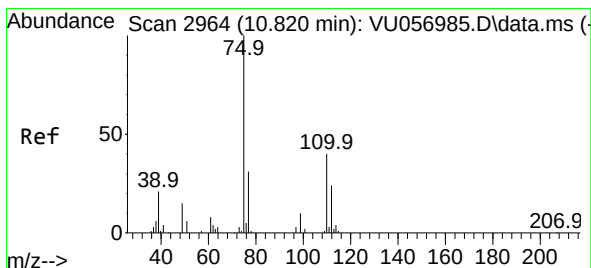
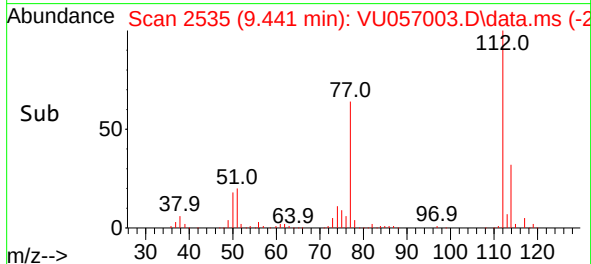
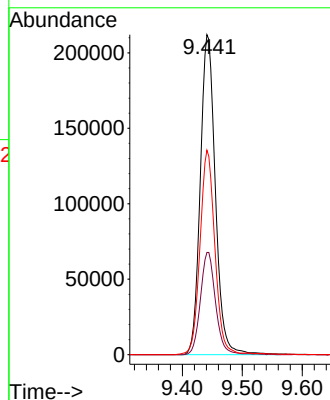
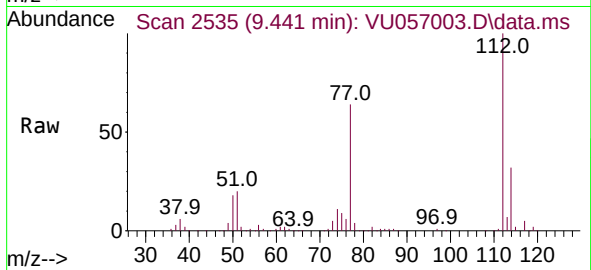




#51
Chlorobenzene
Concen: 6.388 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

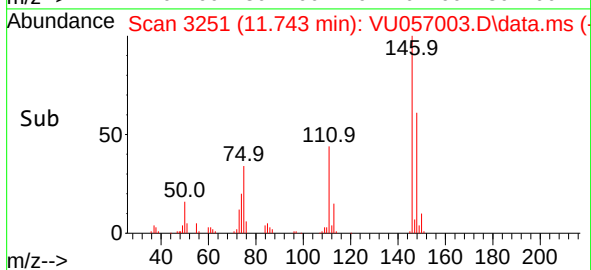
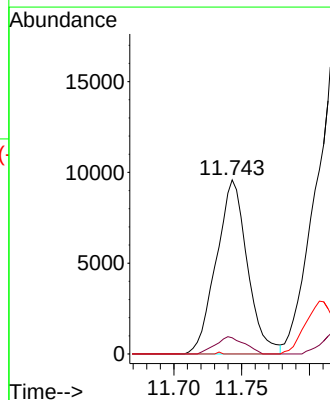
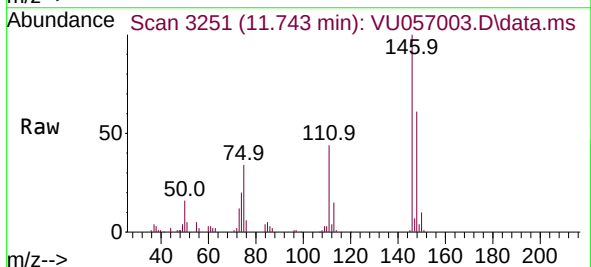
Instrument :
MSVOA_U
ClientSampleId :

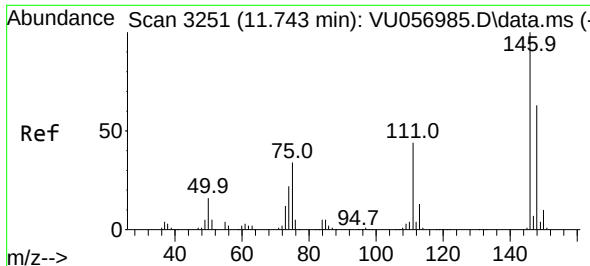
Tgt Ion:112 Resp: 372026
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 63.9 51.6 77.4



#61
1,2,3-Trichloropropane
Concen: 1.356 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.923 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

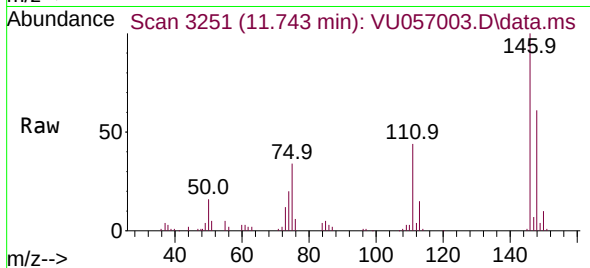
Tgt Ion: 75 Resp: 15260
Ion Ratio Lower Upper
75 100
110 9.2 28.4 42.6#
77 0.0 26.3 39.5#



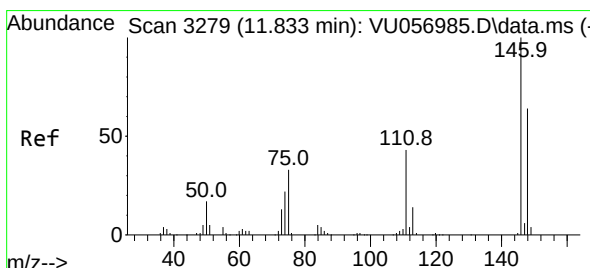
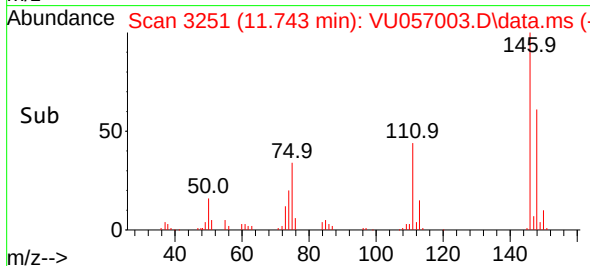
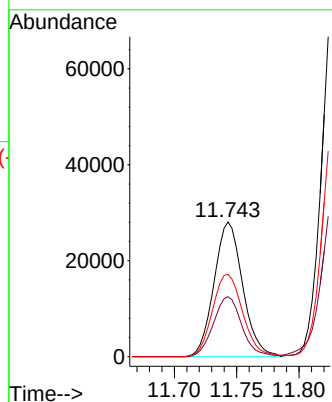


#64
1,3-Dichlorobenzene
Concen: 1.145 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

Instrument :
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ClientSampleId :

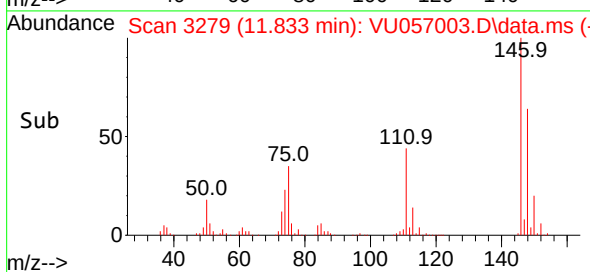
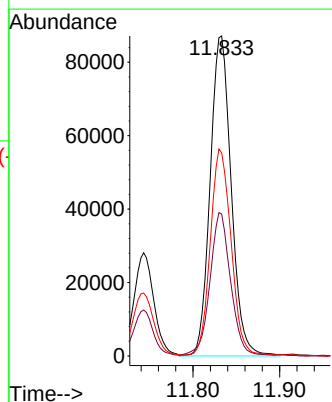
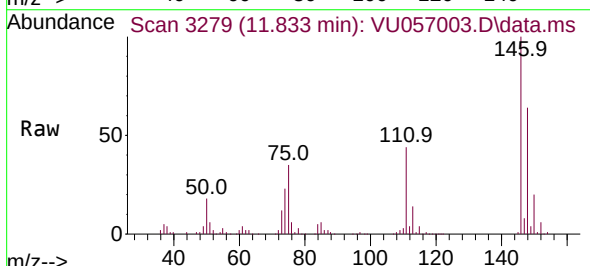


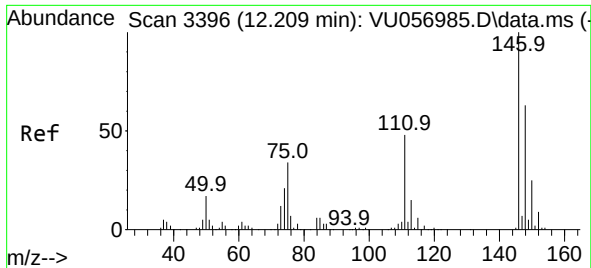
Tgt Ion:146 Resp: 44852
Ion Ratio Lower Upper
146 100
111 44.5 31.7 58.9
148 61.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 3.814 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU057003.D
Acq: 18 Dec 2023 19:10

Tgt Ion:146 Resp: 147075
Ion Ratio Lower Upper
146 100
111 44.3 31.2 58.0
148 63.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 1.517 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

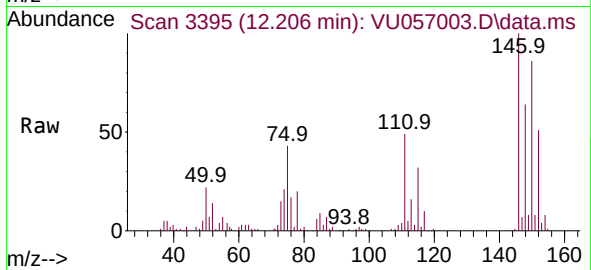
Lab File: VU057003.D

Acq: 18 Dec 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 54118

Ion Ratio Lower Upper

146 100

111 48.9 36.9 55.3

148 64.0 53.0 79.4

