

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056954.D
 Acq On : 17 Dec 2023 04:17
 Operator : MD/SY
 Sample : 05811-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 00:36:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 00:34:01 2023
 Response via : Initial Calibration

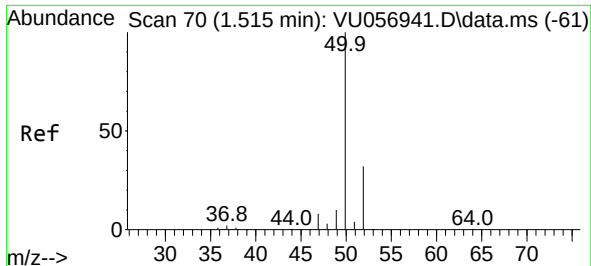
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	265827	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	274198	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119725	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	60507	2.655	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.200%
7) Chloroethane-d5	1.911	69	57795	3.390	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.800%
11) 1,1-Dichloroethene-d2	2.563	65	26880	2.757	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.200%#
20) 2-Butanone-d5	4.634	46	174706	38.825	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.640%
24) Chloroform-d	5.058	84	146970	3.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.200%#
26) 1,2-Dichloroethane-d4	5.695	65	72589	3.555	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
32) Benzene-d6	5.721	84	264725	3.113	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.200%#
36) 1,2-Dichloropropane-d6	6.685	67	86958	3.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.400%
41) Toluene-d8	7.894	98	203170	2.673	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	53.400%#
43) trans-1,3-Dichloroprop...	8.177	79	26985	2.614	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	52.200%#
46) 2-Hexanone-d5	8.631	63	127643	32.783	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.560%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	69705	3.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	74477	3.165	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.200%#

Target Compounds				Qvalue		
3) Chloromethane	1.515	50	3937	0.144	ug/L #	78
5) Vinyl chloride	1.599	62	7641	0.281	ug/L #	1
8) Chloroethane	1.936	64	3389	0.213	ug/L #	53
17) Methyl tert-butyl Ether	3.354	73	30577	0.639	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	67122	1.595	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	14524	0.610	ug/L	99
27) 1,2-Dichloroethane	5.795	62	10771	0.413	ug/L #	94
33) Benzene	5.769	78	65087	0.675	ug/L	100
35) Methylcyclohexane	6.685	83	21466	0.550	ug/L #	17
48) 2-Hexanone	8.631	43	16872	2.024	ug/L #	75
51) Chlorobenzene	9.441	112	381685	6.006	ug/L	99
61) 1,2,3-Trichloropropane	11.740	75	17167	1.335	ug/L #	51
64) 1,3-Dichlorobenzene	11.743	146	50221	1.122	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	162876	3.697	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	53350	1.309	ug/L	96

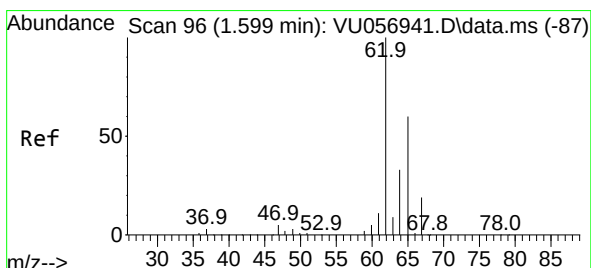
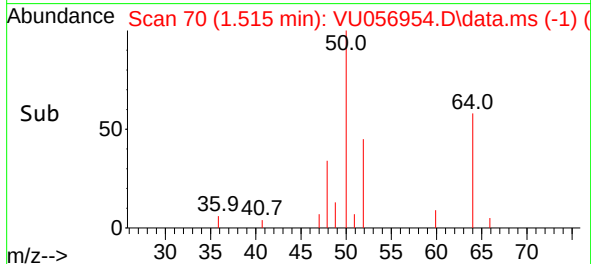
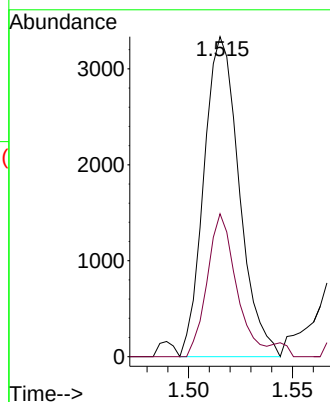
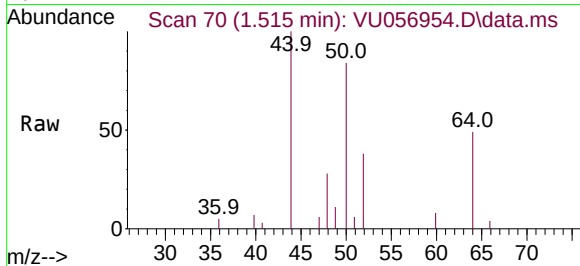
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.144 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

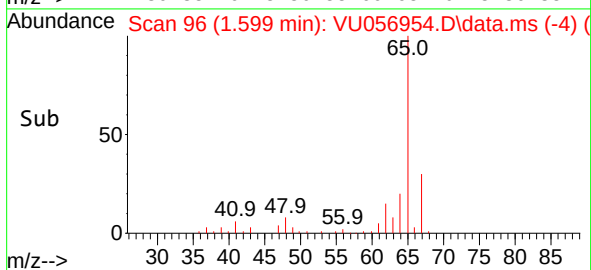
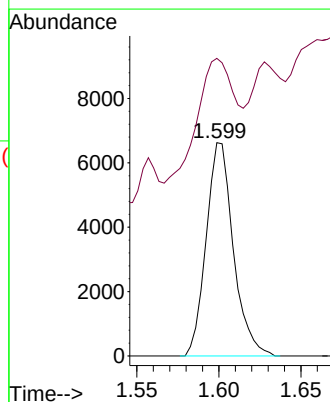
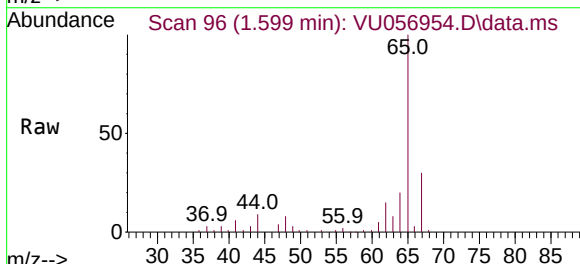
Instrument :
MSVOA_U
ClientSampleId :

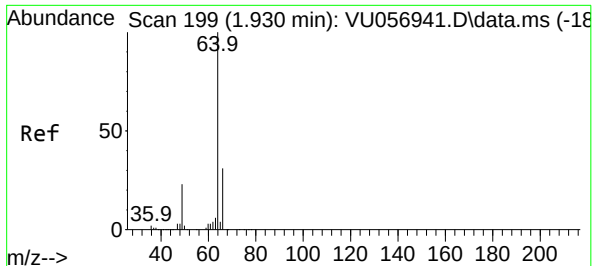
Tgt Ion: 50 Resp: 3937
Ion Ratio Lower Upper
50 100
52 44.6 22.5 41.7#



#5
Vinyl chloride
Concen: 0.281 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion: 62 Resp: 7641
Ion Ratio Lower Upper
62 100
64 139.5 22.8 42.4#

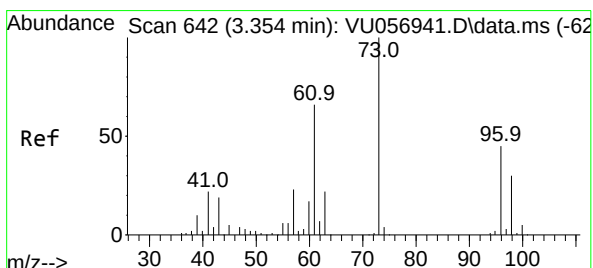
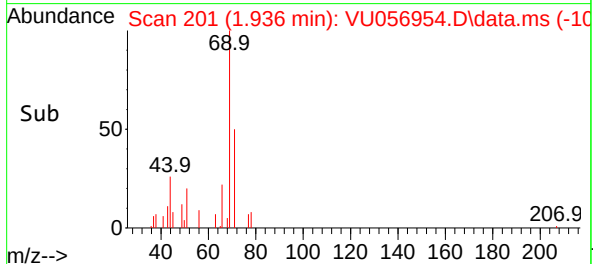
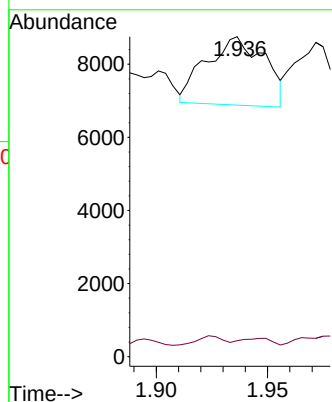
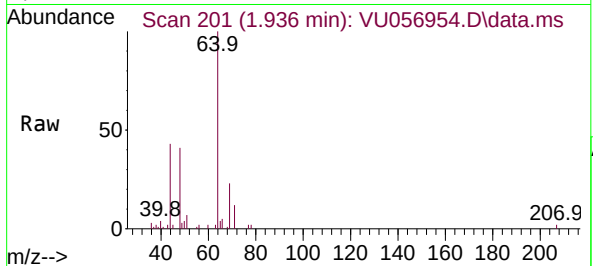




#8
Chloroethane
Concen: 0.213 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.006 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

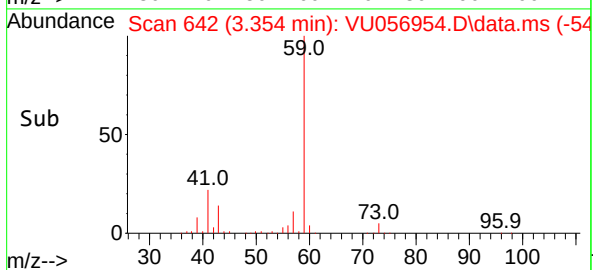
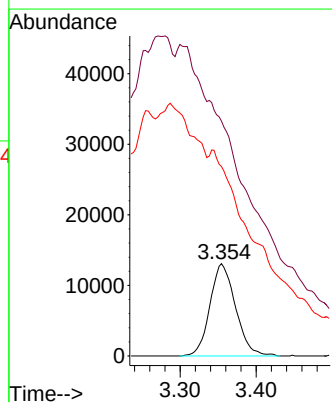
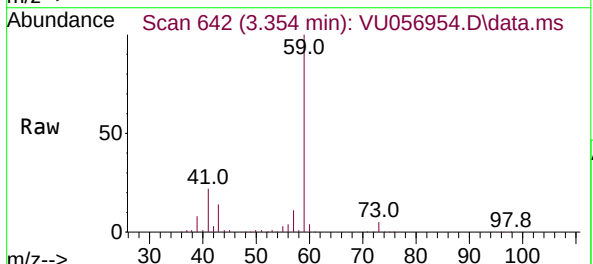
Instrument :
MSVOA_U
ClientSampleId :

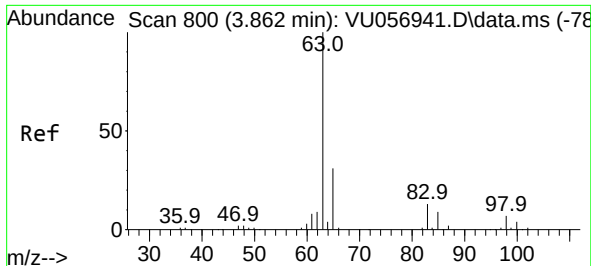
Tgt Ion: 64 Resp: 3389
Ion Ratio Lower Upper
64 100
66 5.0 21.4 39.8#



#17
Methyl tert-butyl Ether
Concen: 0.639 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion: 73 Resp: 30577
Ion Ratio Lower Upper
73 100
43 748.3 14.4 21.6#
57 392.2 17.8 26.8#





#19

1,1-Dichloroethane

Concen: 1.595 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU056954.D

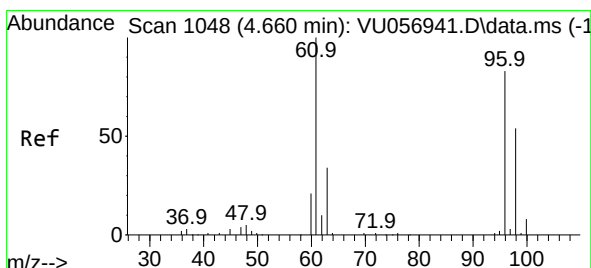
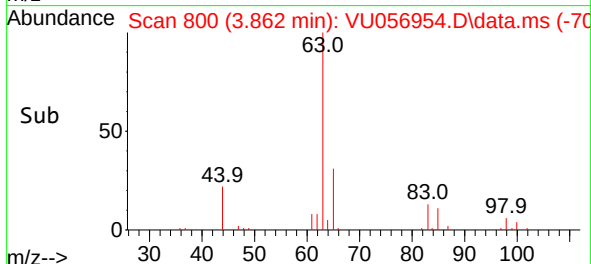
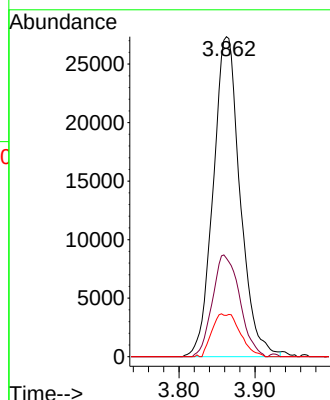
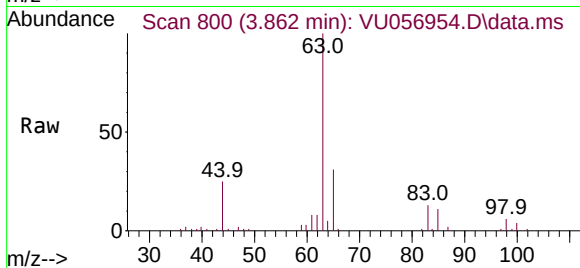
Acq: 17 Dec 2023 04:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	67122
Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.9	42.5
83	12.9	10.1	18.9



#22

cis-1,2-Dichloroethene

Concen: 0.610 ug/L

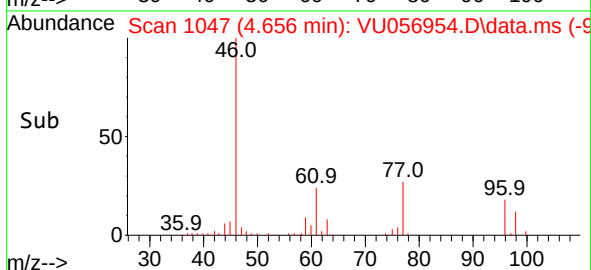
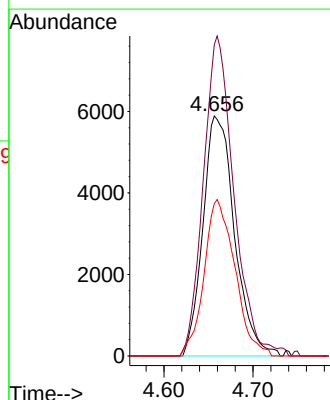
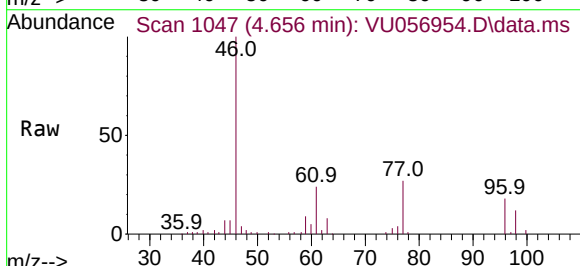
RT: 4.656 min Scan# 1047

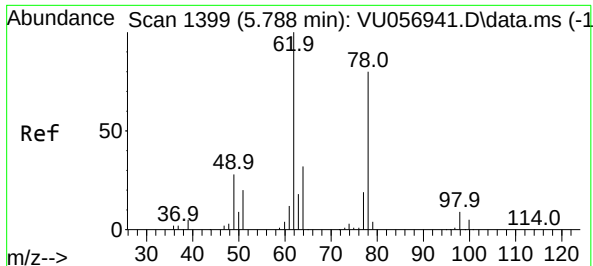
Delta R.T. -0.003 min

Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

Tgt Ion:	96	Resp:	14524
Ion	Ratio	Lower	Upper
96	100		
61	129.7	91.3	169.6
98	63.5	44.2	82.0

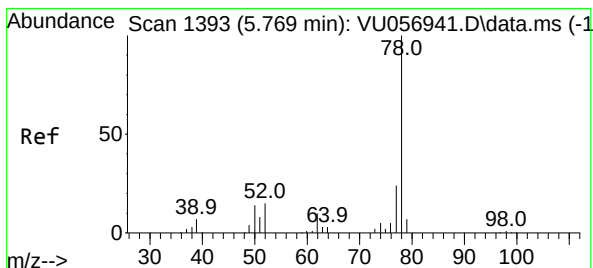
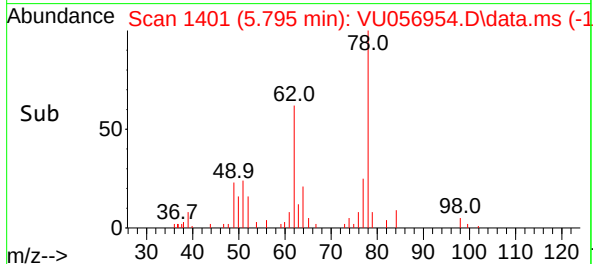
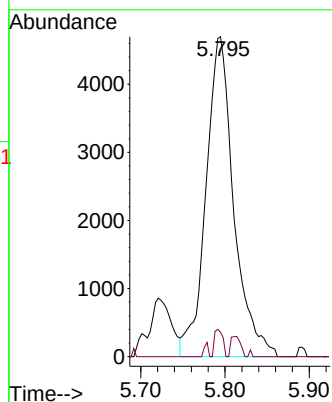
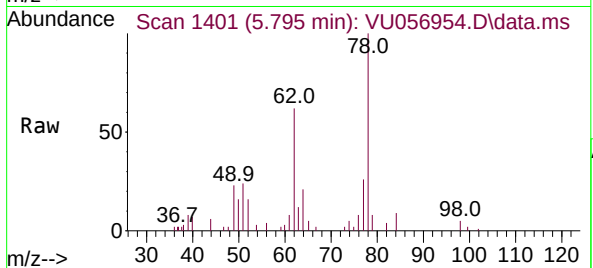




#27
1,2-Dichloroethane
Concen: 0.413 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

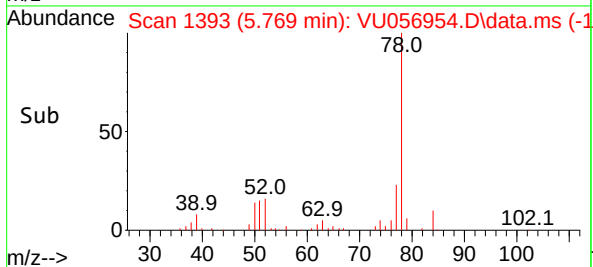
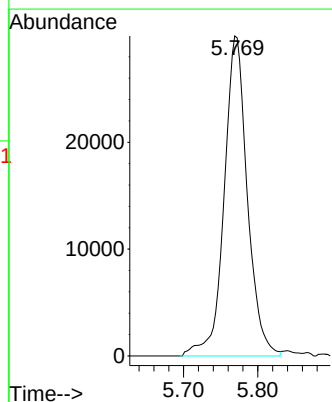
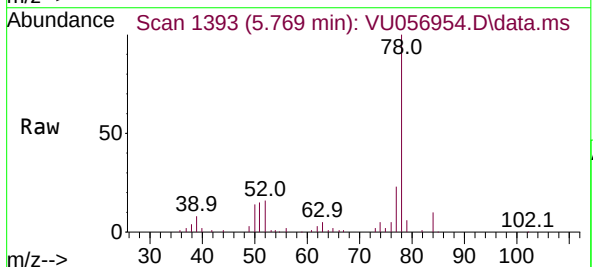
Instrument :
MSVOA_U
ClientSampleId :

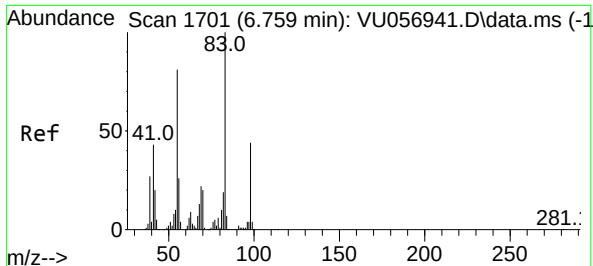
Tgt Ion: 62 Resp: 10771
Ion Ratio Lower Upper
62 100
98 7.6 7.8 11.6#



#33
Benzene
Concen: 0.675 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion: 78 Resp: 65087





#35

Methylcyclohexane

Concen: 0.550 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

Instrument :

MSVOA_U

ClientSampleId :

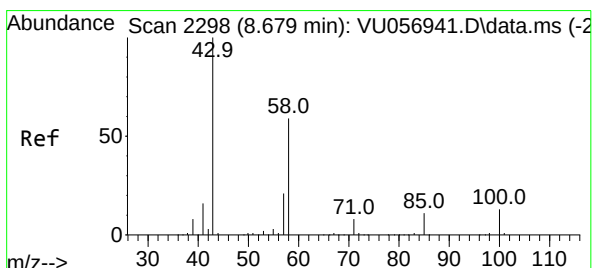
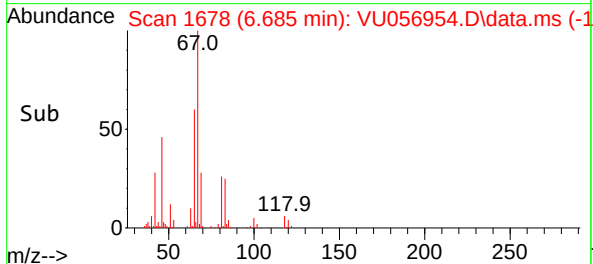
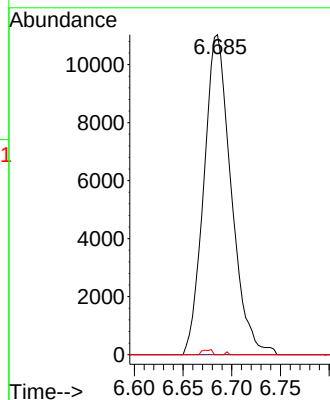
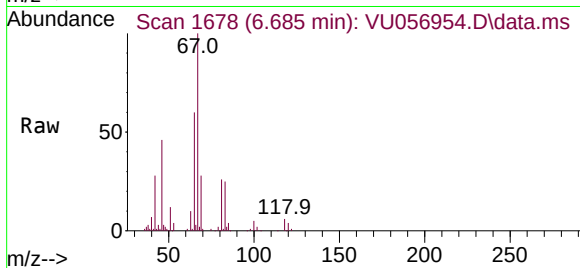
Tgt Ion: 83 Resp: 21466

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 0.5 36.1 54.1#



#48

2-Hexanone

Concen: 2.024 ug/L

RT: 8.631 min Scan# 2283

Delta R.T. -0.051 min

Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

Tgt Ion: 43 Resp: 16872

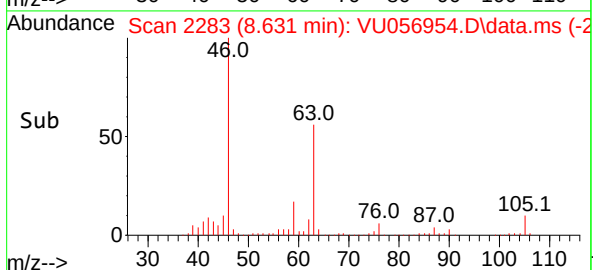
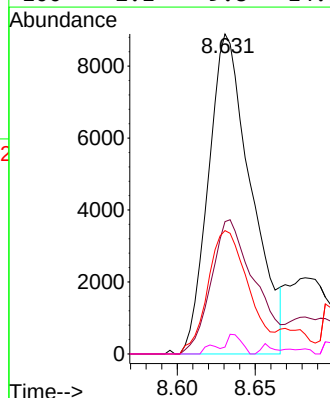
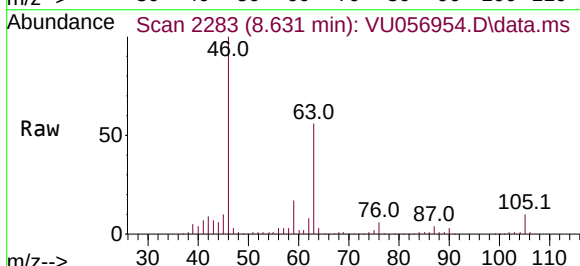
Ion Ratio Lower Upper

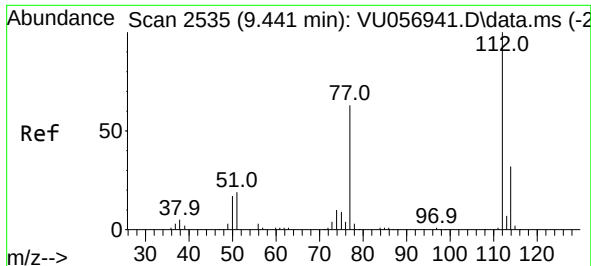
43 100

58 42.8 47.5 71.3#

57 37.1 17.0 25.4#

100 2.1 9.8 14.8#

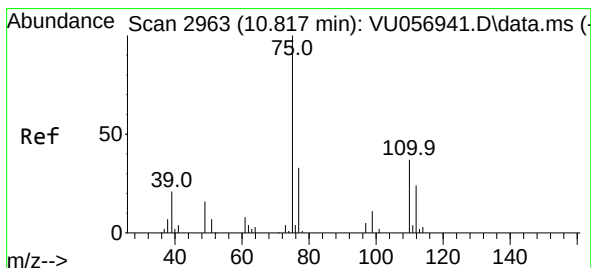
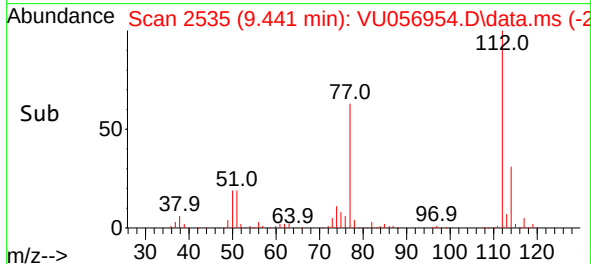
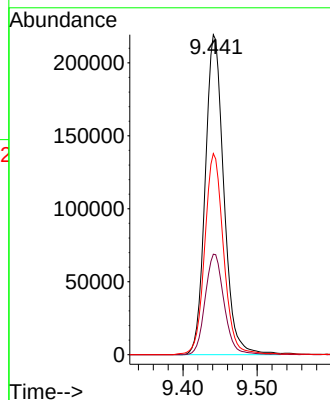
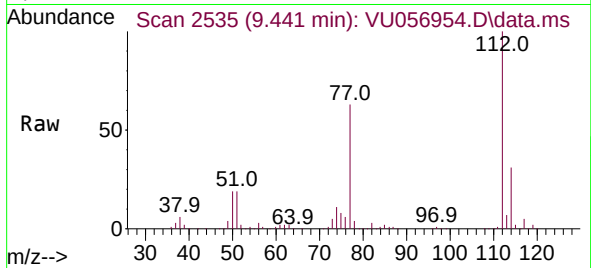




#51
Chlorobenzene
Concen: 6.006 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

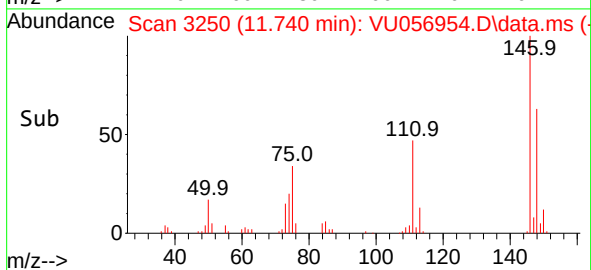
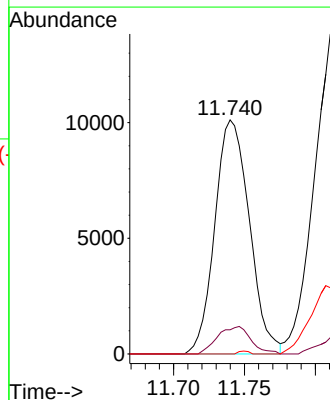
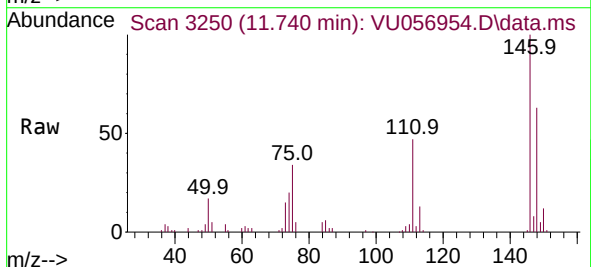
Instrument :
MSVOA_U
ClientSampleId :

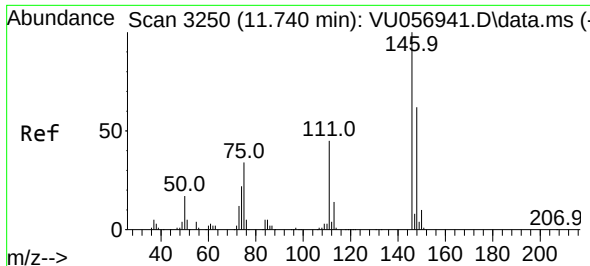
Tgt Ion:112 Resp: 381685
Ion Ratio Lower Upper
112 100
114 31.4 21.9 40.7
77 62.9 51.6 77.4



#61
1,2,3-Trichloropropane
Concen: 1.335 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.923 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

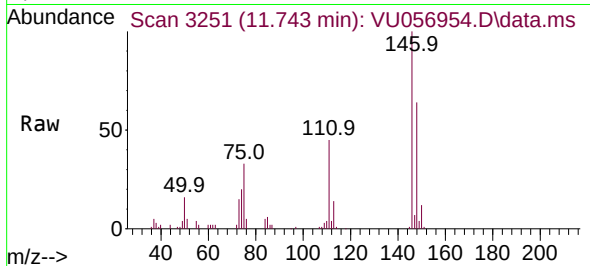
Tgt Ion: 75 Resp: 17167
Ion Ratio Lower Upper
75 100
110 11.4 28.4 42.6#
77 0.0 26.3 39.5#



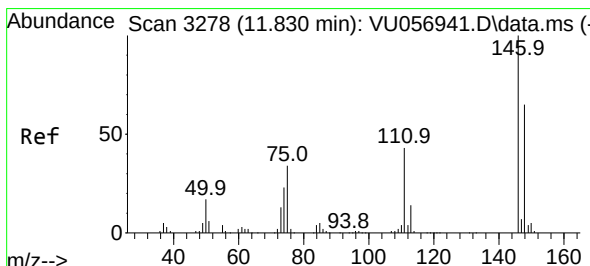
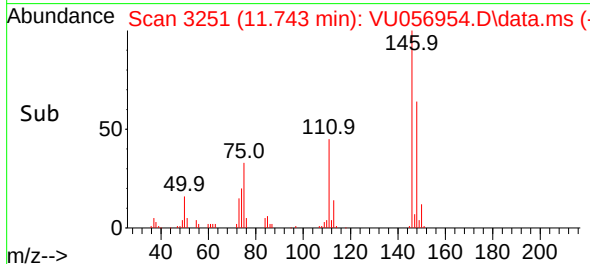
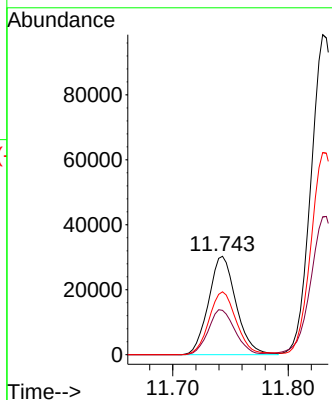


#64
1,3-Dichlorobenzene
Concen: 1.122 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Instrument :
MSVOA_U
ClientSampleId :

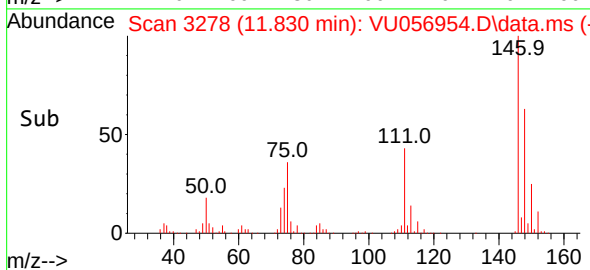
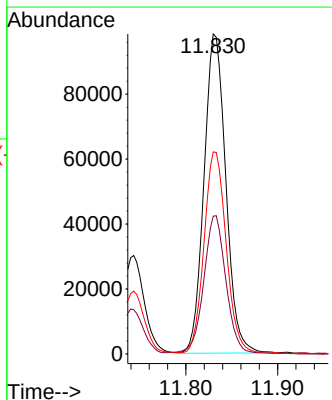
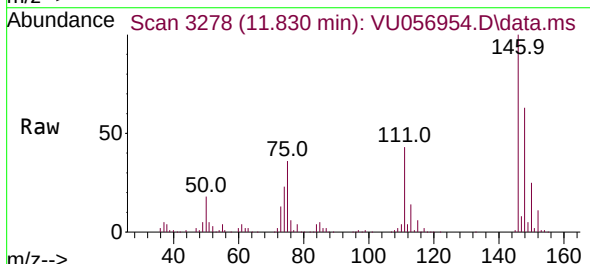


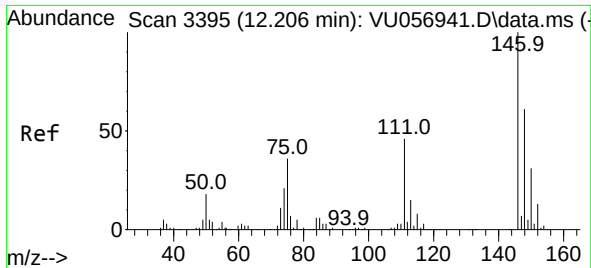
Tgt Ion:146 Resp: 50221
Ion Ratio Lower Upper
146 100
111 45.1 31.7 58.9
148 63.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 3.697 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion:146 Resp: 162876
Ion Ratio Lower Upper
146 100
111 43.0 31.2 58.0
148 63.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 1.309 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

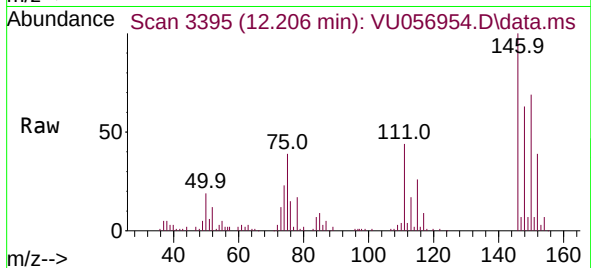
Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 53350

Ion Ratio Lower Upper

146 100

111 44.2 36.9 55.3

148 62.8 53.0 79.4

