

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055649.D
 Acq On : 03 Oct 2023 18:59
 Operator : MD/SY
 Sample : 04679-15DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:46:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

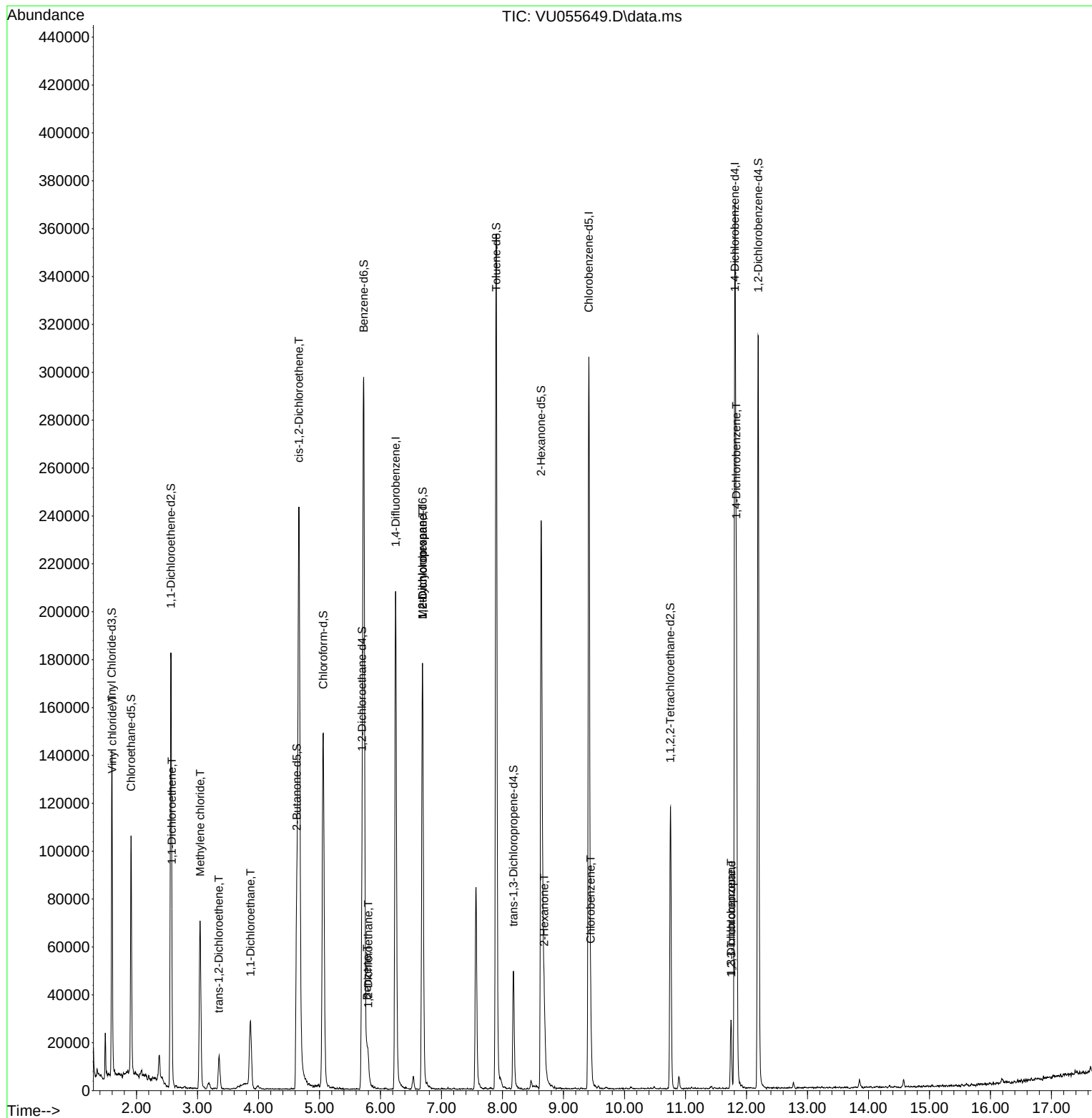
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	172291	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	175535	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	92303	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	86702	4.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.911	69	69230	4.511	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.563	65	35348	4.932	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.600%
20) 2-Butanone-d5	4.628	46	138089	43.904	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.800%
24) Chloroform-d	5.062	84	141750	4.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.698	65	69087	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.724	84	290910	4.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.689	67	87468	4.768	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.898	98	246283	4.401	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.180	79	29806	4.630	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.634	63	74513	38.052	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62350	4.535	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	85355	4.582	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	10076	0.633	ug/L	88
12) 1,1-Dichloroethene	2.579	96	2016	0.167	ug/L #	1
16) Methylene chloride	3.042	84	33184	2.299	ug/L	87
18) trans-1,2-Dichloroethene	3.351	96	4971	0.409	ug/L	90
19) 1,1-Dichloroethane	3.869	63	33541	1.494	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	118427	8.413	ug/L	96
27) 1,2-Dichloroethane	5.798	62	8103	0.556	ug/L #	83
33) Benzene	5.779	78	10217	0.202	ug/L	100
35) Methylcyclohexane	6.689	83	20339	0.988	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9749	0.738	ug/L #	89
48) 2-Hexanone	8.685	43	19354	4.166	ug/L #	74
51) Chlorobenzene	9.447	112	13521	0.392	ug/L	95
61) 1,2,3-Trichloropropane	11.749	75	3948	0.548	ug/L #	46
64) 1,3-Dichlorobenzene	11.746	146	11294	0.443	ug/L	90
65) 1,4-Dichlorobenzene	11.833	146	73177	2.875	ug/L	100

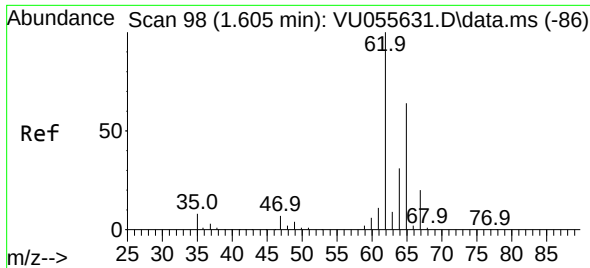
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 04 04:40:48 2023
Response via : Initial Calibration

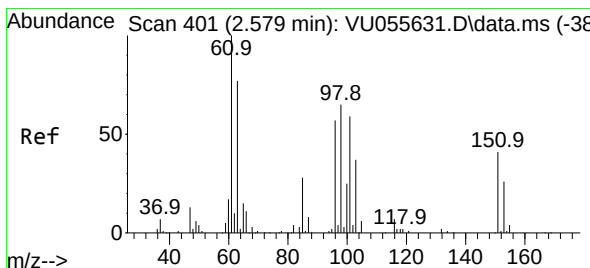
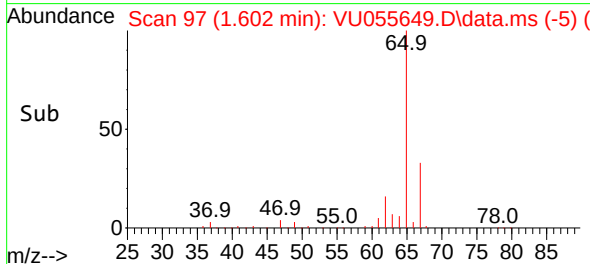
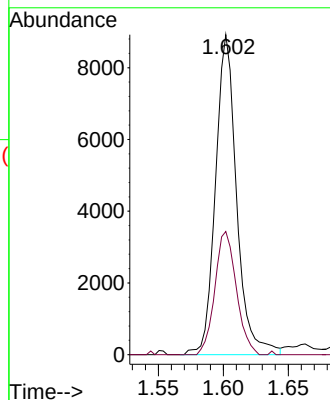
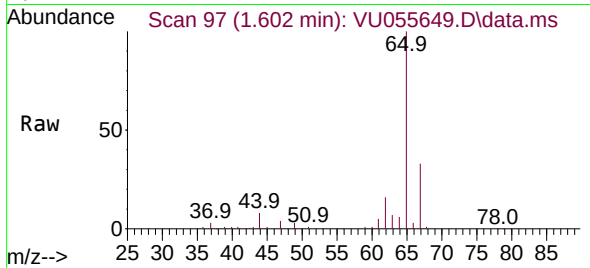




#5
 Vinyl chloride
 Concen: 0.633 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055649.D
 Acq: 03 Oct 2023 18:59

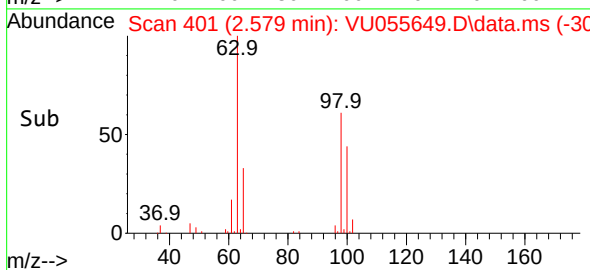
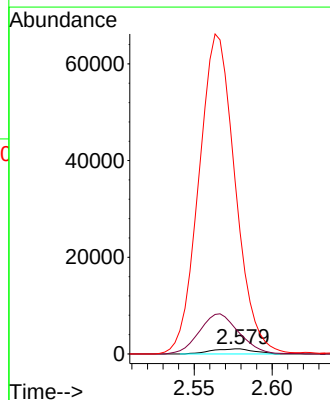
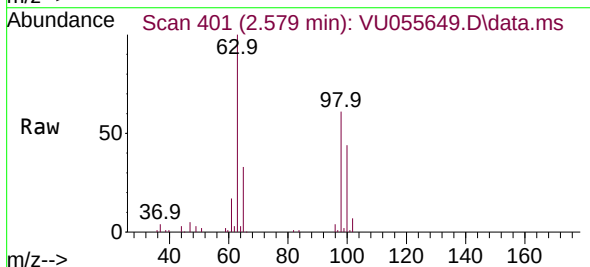
Instrument :
 MSVOA_U
 ClientSampleId :

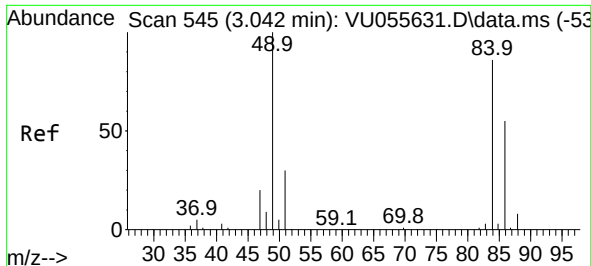
Tgt Ion: 62 Resp: 10076
 Ion Ratio Lower Upper
 62 100
 64 38.5 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.167 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055649.D
 Acq: 03 Oct 2023 18:59

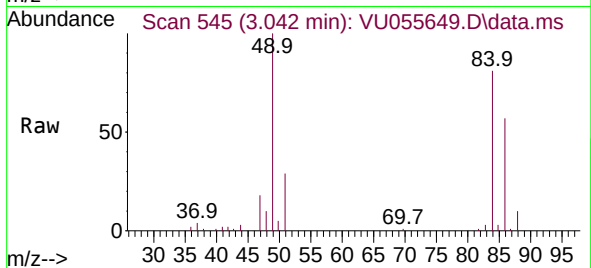
Tgt Ion: 96 Resp: 2016
 Ion Ratio Lower Upper
 96 100
 61 393.1 114.5 212.7#
 63 2365.5 98.3 182.5#



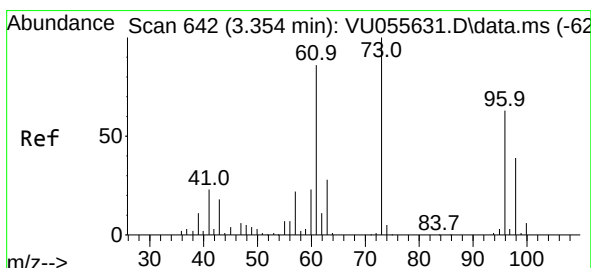
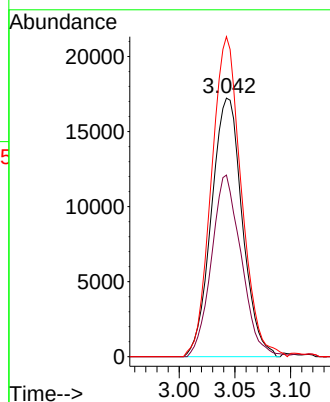
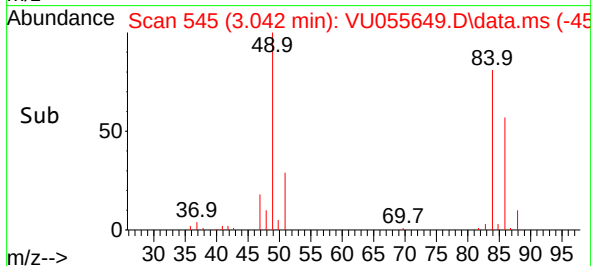


#16
Methylene chloride
Concen: 2.299 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU055649.D
Acq: 03 Oct 2023 18:59

Instrument :
MSVOA_U
ClientSampleId :

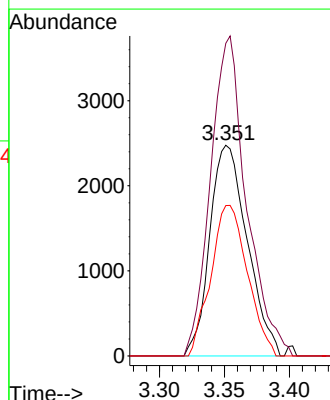
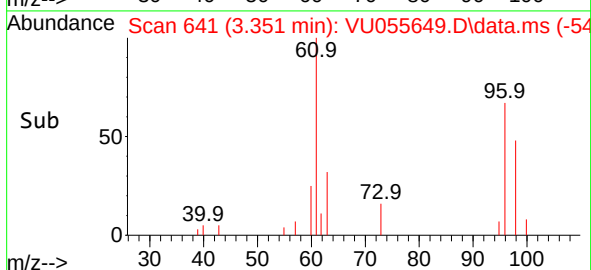
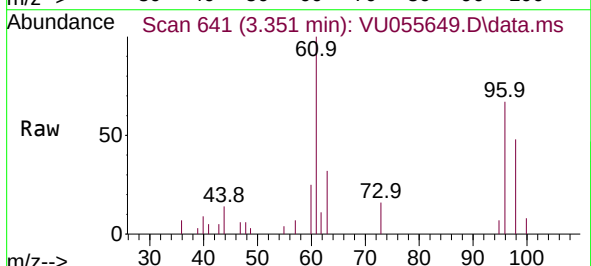


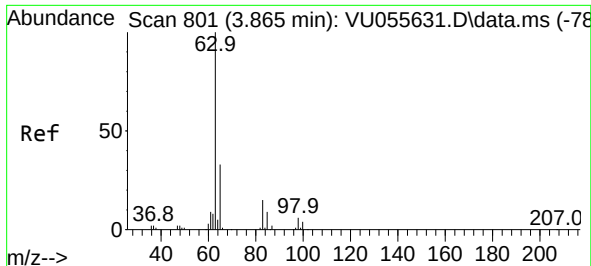
Tgt Ion: 84 Resp: 33184
Ion Ratio Lower Upper
84 100
86 70.2 44.9 83.3
49 129.4 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.409 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055649.D
Acq: 03 Oct 2023 18:59

Tgt Ion: 96 Resp: 4971
Ion Ratio Lower Upper
96 100
61 148.3 94.6 175.6
98 71.4 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.494 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

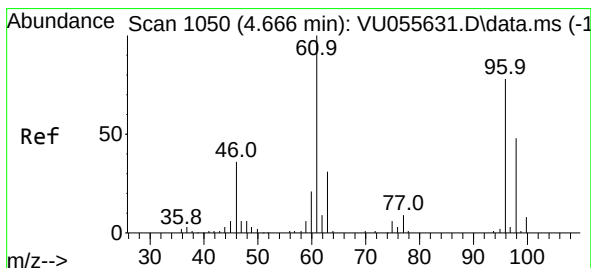
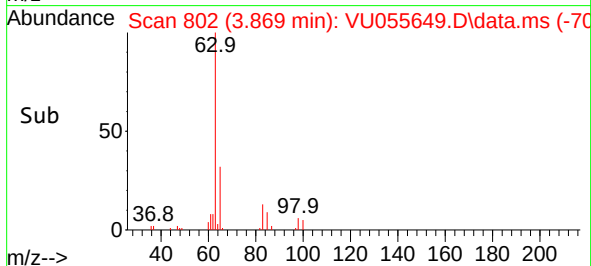
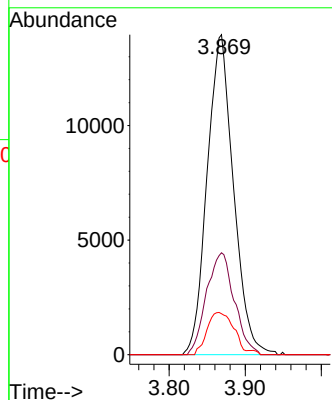
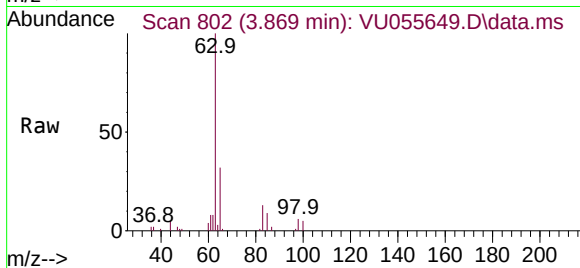
Tgt Ion: 63 Resp: 33541

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 12.8 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 8.413 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

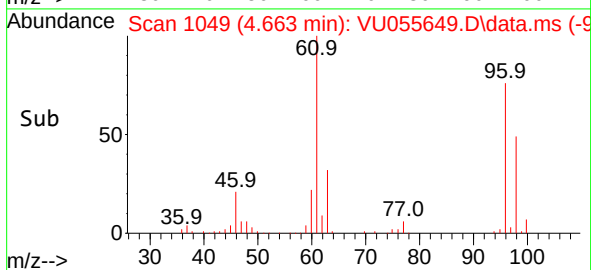
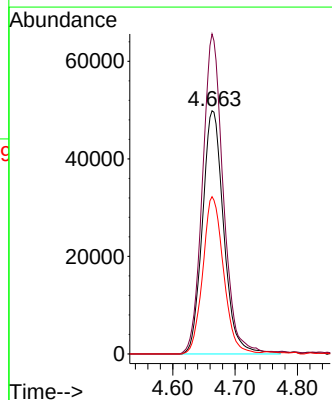
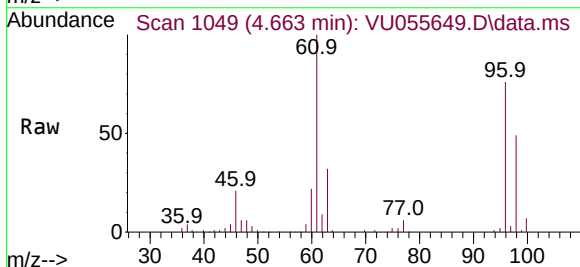
Tgt Ion: 96 Resp: 118427

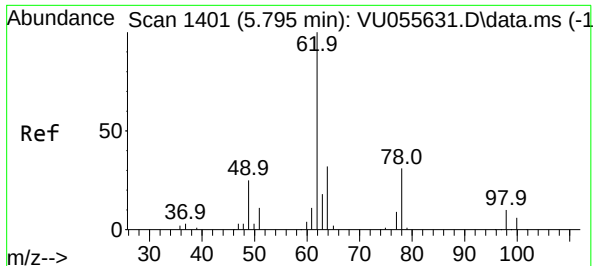
Ion Ratio Lower Upper

96 100

61 131.6 87.8 163.2

98 64.7 44.4 82.4





#27

1,2-Dichloroethane

Concen: 0.556 ug/L

RT: 5.798 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

Instrument :

MSVOA_U

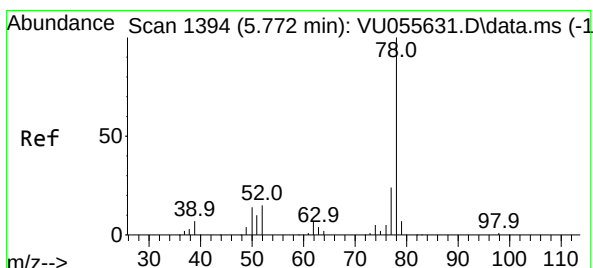
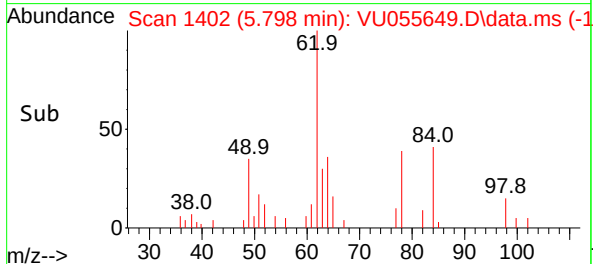
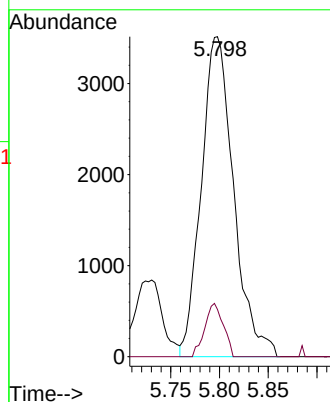
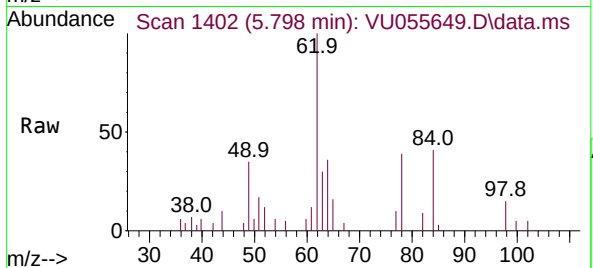
ClientSampleId :

Tgt Ion: 62 Resp: 8103

Ion Ratio Lower Upper

62 100

98 14.8 7.0 10.4#



#33

Benzene

Concen: 0.202 ug/L

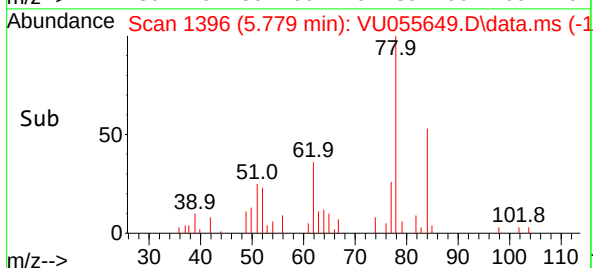
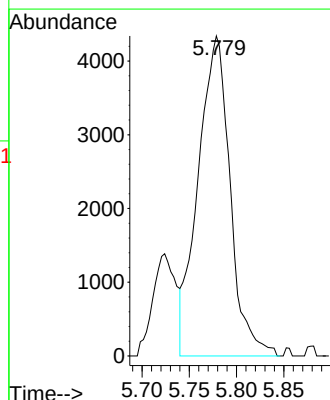
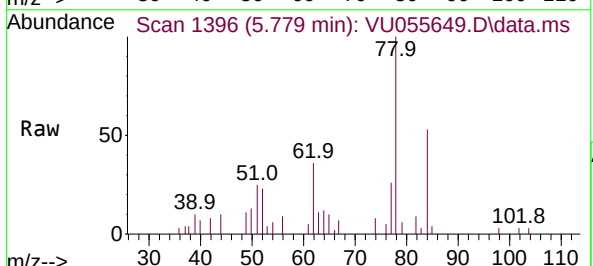
RT: 5.779 min Scan# 1396

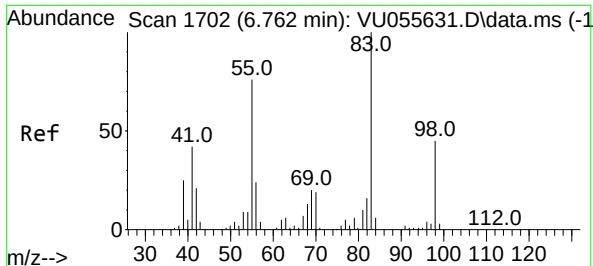
Delta R.T. 0.007 min

Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

Tgt Ion: 78 Resp: 10217





#35

Methylcyclohexane

Concen: 0.988 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055649.D

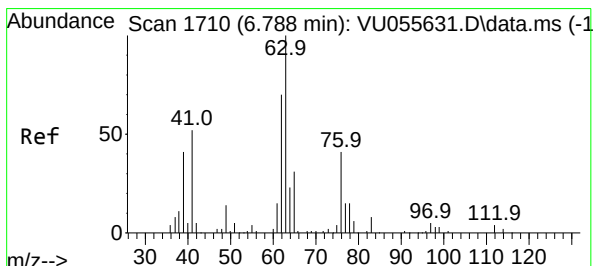
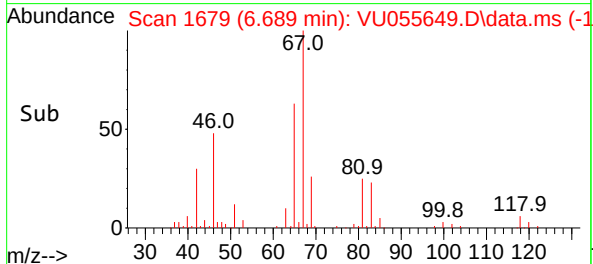
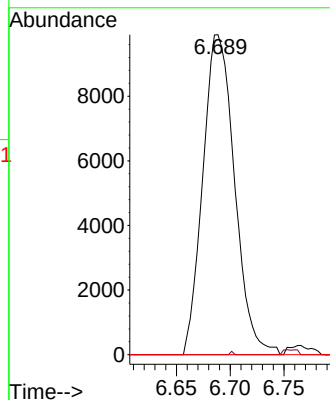
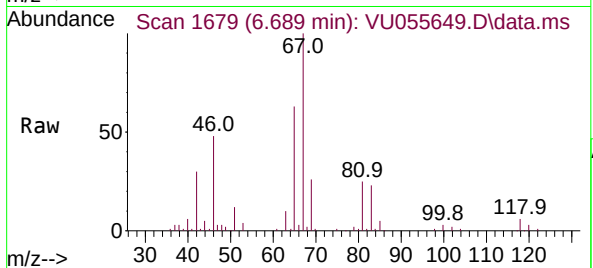
Acq: 03 Oct 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 20339
Ion Ratio	Lower Upper
83 100	
55 0.1	59.1 88.7#
98 0.3	36.3 54.5#



#37

1,2-Dichloropropane

Concen: 0.738 ug/L

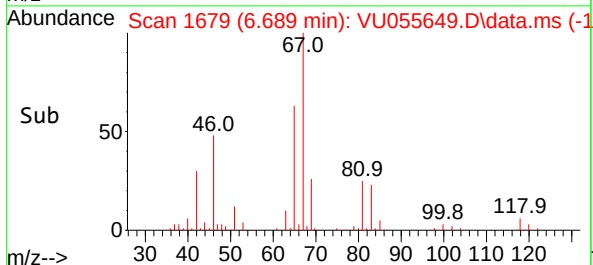
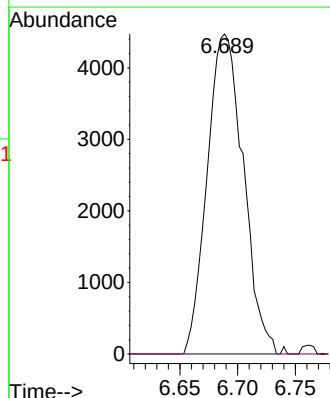
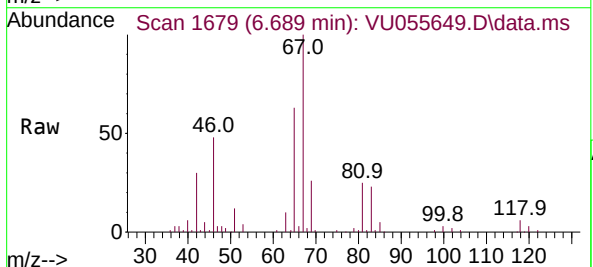
RT: 6.689 min Scan# 1679

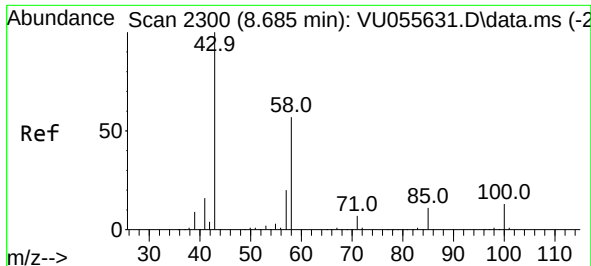
Delta R.T. -0.100 min

Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

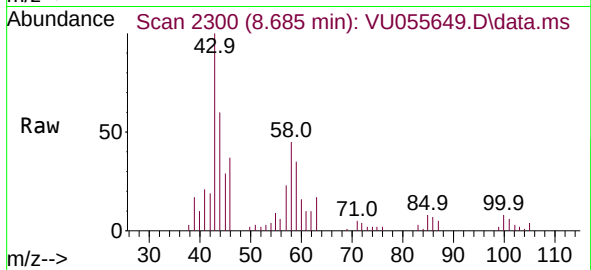
Tgt Ion: 63	Resp: 9749
Ion Ratio	Lower Upper
63 100	
112 0.2	3.0 4.6#



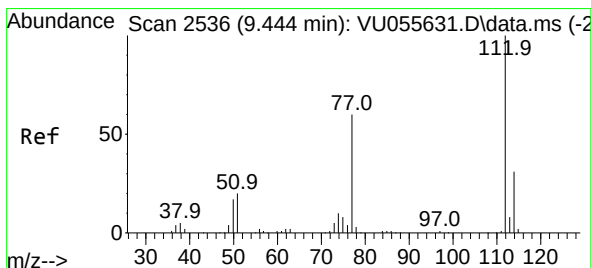
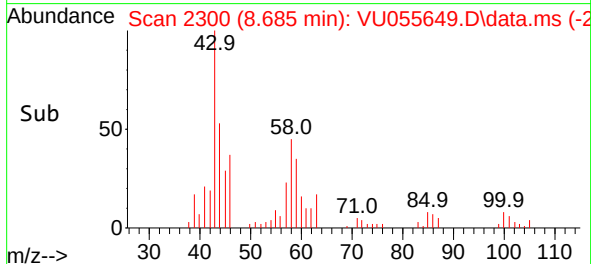
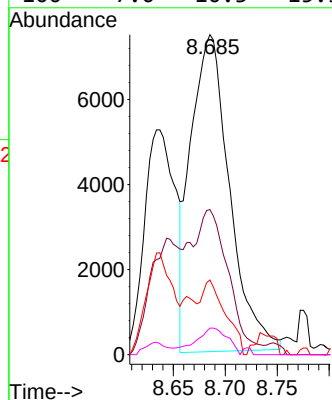


#48
2-Hexanone
Concen: 4.166 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055649.D
Acq: 03 Oct 2023 18:59

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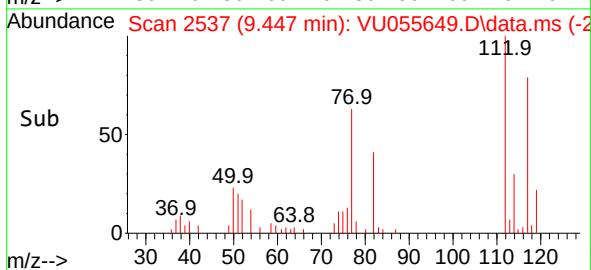
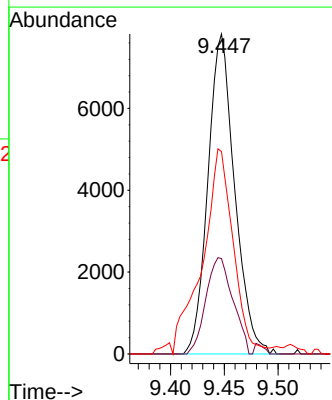
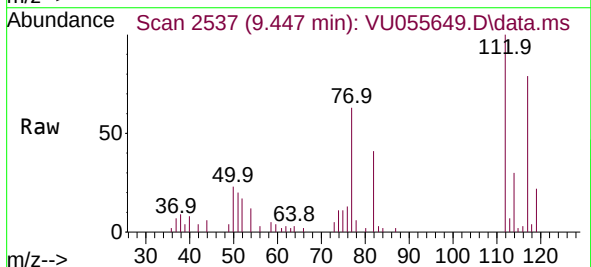


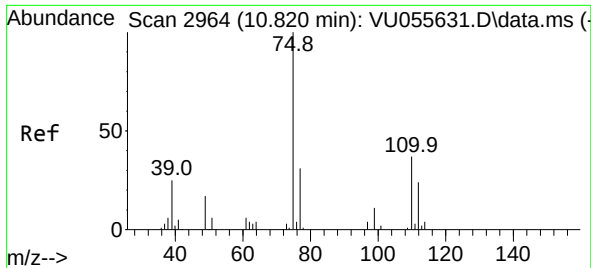
Tgt Ion:	43	Resp:	19354
Ion	Ratio	Lower	Upper
43	100		
58	36.2	48.5	72.7#
57	14.8	17.0	25.4#
100	7.0	10.3	15.5#



#51
Chlorobenzene
Concen: 0.392 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055649.D
Acq: 03 Oct 2023 18:59

Tgt Ion:	112	Resp:	13521
Ion	Ratio	Lower	Upper
112	100		
114	29.8	22.0	40.8
77	63.2	46.9	70.3

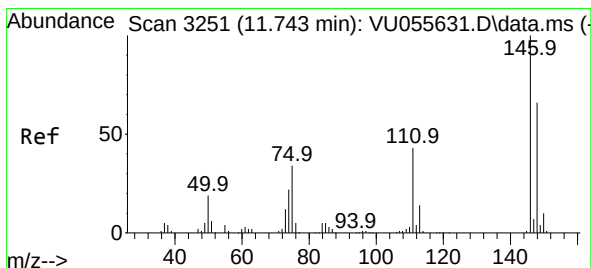
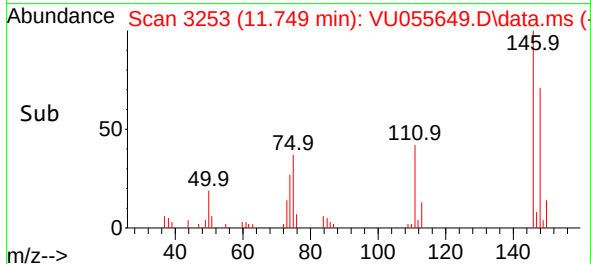
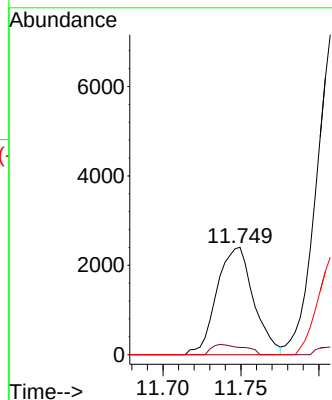
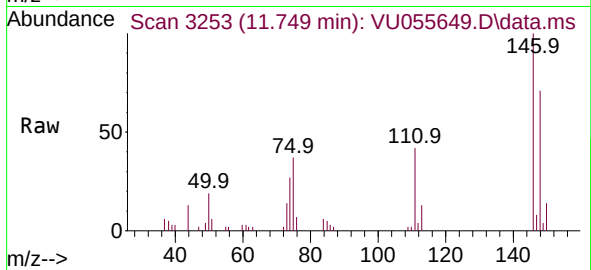




#61
 1,2,3-Trichloropropane
 Concen: 0.548 ug/L
 RT: 11.749 min Scan# 31
 Delta R.T. 0.929 min
 Lab File: VU055649.D
 Acq: 03 Oct 2023 18:59

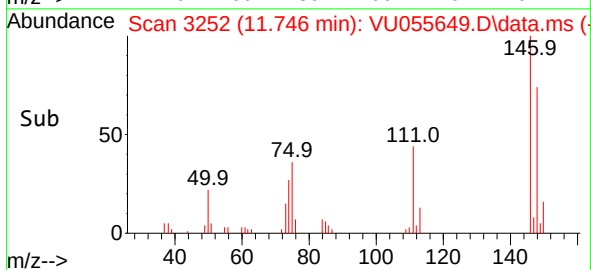
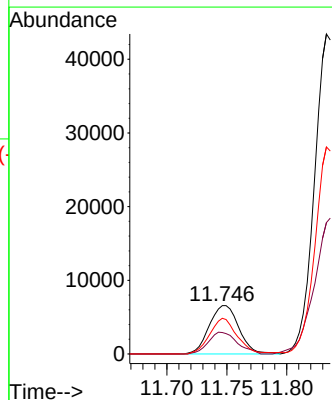
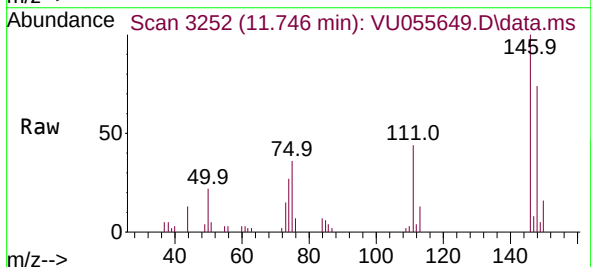
Instrument :
 MSVOA_U
 ClientSampleId :

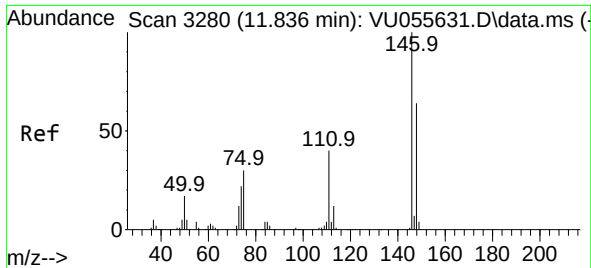
Tgt Ion: 75 Resp: 3948
 Ion Ratio Lower Upper
 75 100
 110 8.4 30.6 45.8#
 77 0.0 26.7 40.1#



#64
 1,3-Dichlorobenzene
 Concen: 0.443 ug/L
 RT: 11.746 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU055649.D
 Acq: 03 Oct 2023 18:59

Tgt Ion:146 Resp: 11294
 Ion Ratio Lower Upper
 146 100
 111 44.3 28.8 53.6
 148 74.0 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 2.875 ug/L

RT: 11.833 min Scan# 31

Delta R.T. -0.003 min

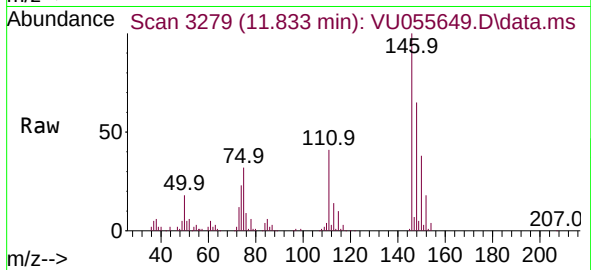
Lab File: VU055649.D

Acq: 03 Oct 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 73177

Ion Ratio Lower Upper

146 100

111 41.1 29.0 53.8

148 64.7 45.4 84.4

