

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055637.D
 Acq On : 03 Oct 2023 13:41
 Operator : MD/SY
 Sample : 04679-14DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:42:38 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)

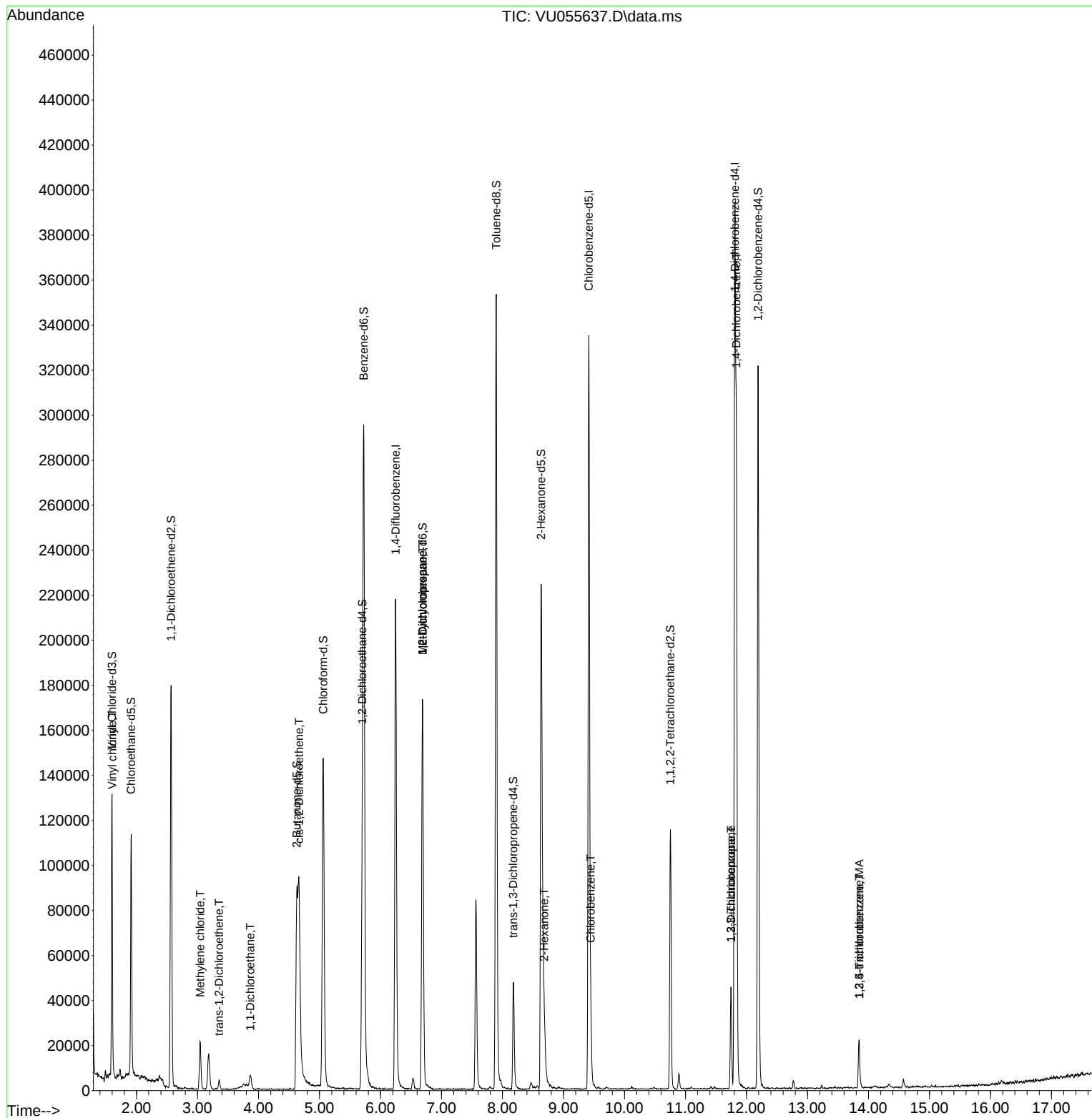
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	179738	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190425	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	99494	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	87123	4.796	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.911	69	73019	4.561	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.567	65	33080	4.424	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.628	46	125414	38.222	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.440%
24) Chloroform-d	5.062	84	138156	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.701	65	66323	4.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.724	84	285311	4.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.689	67	84885	4.265	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.898	98	246257	4.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.177	79	28568	4.091	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.634	63	69955	32.931	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58612	3.930	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	84956	4.231	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3027	0.182	ug/L #	47
16) Methylene chloride	3.042	84	9833	0.653	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	1535	0.121	ug/L	94
19) 1,1-Dichloroethane	3.866	63	8200	0.350	ug/L	92
22) cis-1,2-Dichloroethene	4.666	96	33471	2.279	ug/L	94
35) Methylcyclohexane	6.689	83	19402	0.869	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9283	0.648	ug/L #	91
48) 2-Hexanone	8.685	43	15320	3.040	ug/L #	96
51) Chlorobenzene	9.447	112	16407	0.438	ug/L	97
61) 1,2,3-Trichloropropane	11.746	75	6006	0.773	ug/L #	49
64) 1,3-Dichlorobenzene	11.746	146	17700	0.645	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	103637	3.777	ug/L	94
69) 1,3,5-Trichlorobenzene	13.849	180	7550	0.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.849	180	7486	0.519	ug/L	99

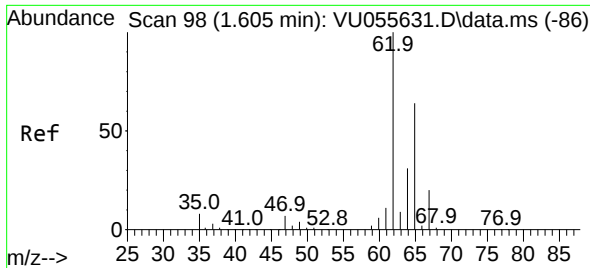
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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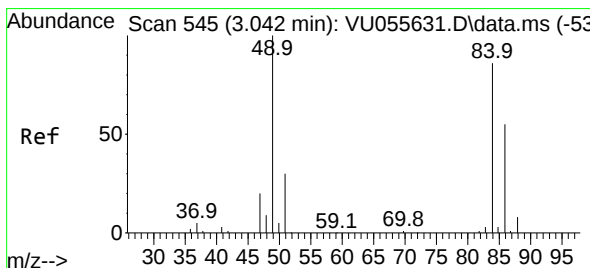
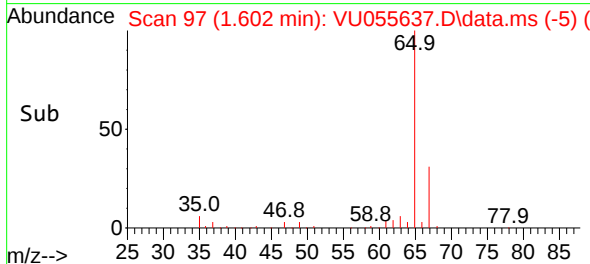
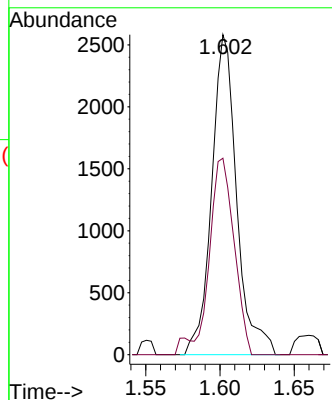
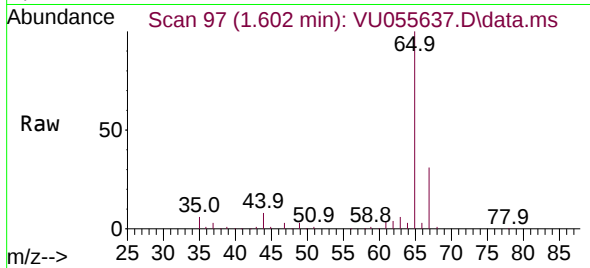




#5
 Vinyl chloride
 Concen: 0.182 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055637.D
 Acq: 03 Oct 2023 13:41

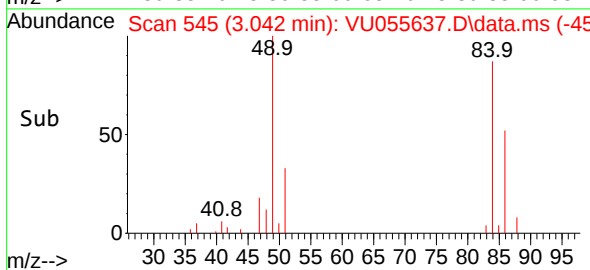
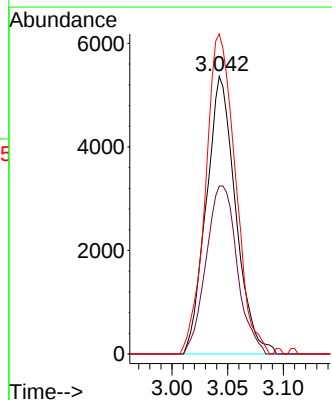
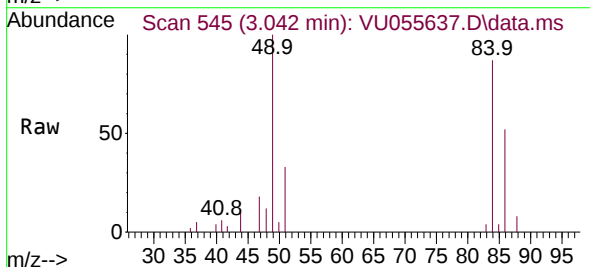
Instrument :
 MSVOA_U
 ClientSampleId :

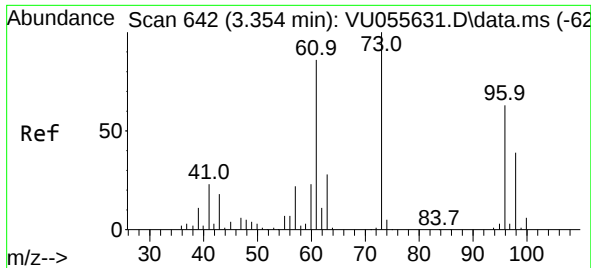
Tgt Ion: 62 Resp: 3027
 Ion Ratio Lower Upper
 62 100
 64 61.4 22.3 41.5#



#16
 Methylene chloride
 Concen: 0.653 ug/L
 RT: 3.042 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: VU055637.D
 Acq: 03 Oct 2023 13:41

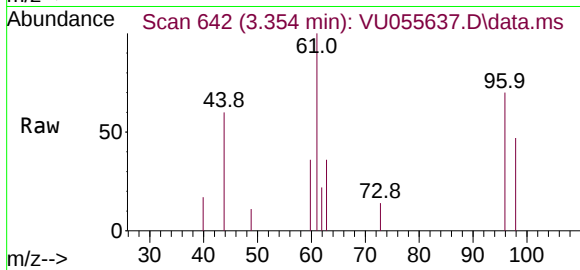
Tgt Ion: 84 Resp: 9833
 Ion Ratio Lower Upper
 84 100
 86 60.5 44.9 83.3
 49 115.3 78.8 146.3



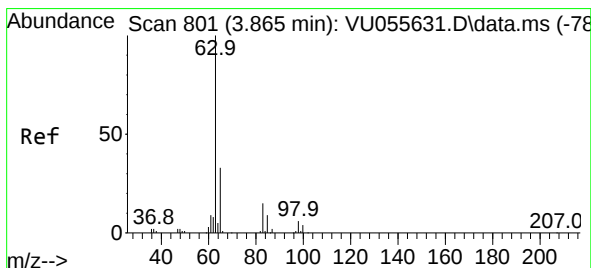
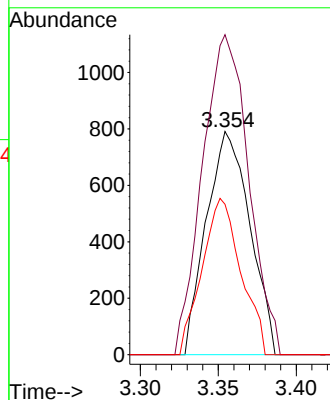
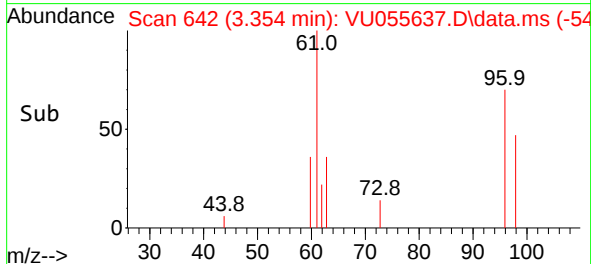


#18
trans-1,2-Dichloroethene
Concen: 0.121 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41

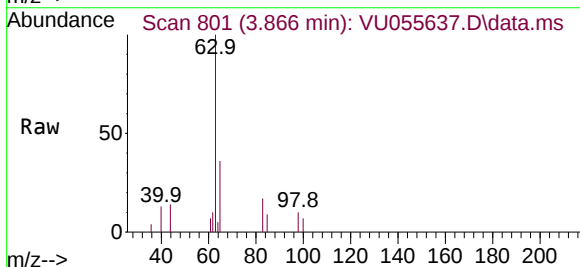
Instrument :
MSVOA_U
ClientSampleId :



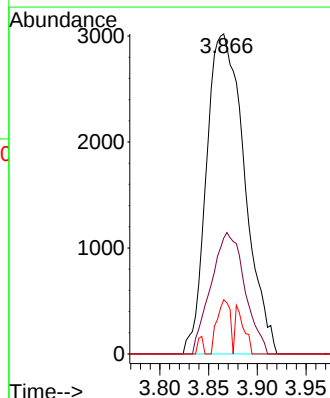
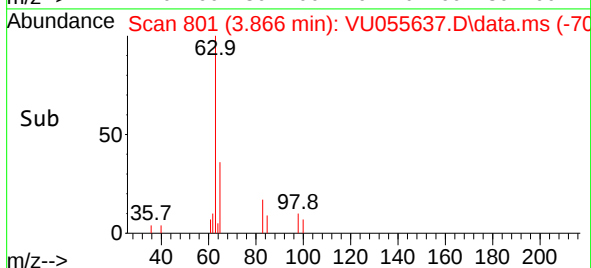
Tgt Ion:	96	Resp:	1535
Ion	Ratio	Lower	Upper
96	100		
61	143.4	94.6	175.6
98	67.4	45.7	84.9

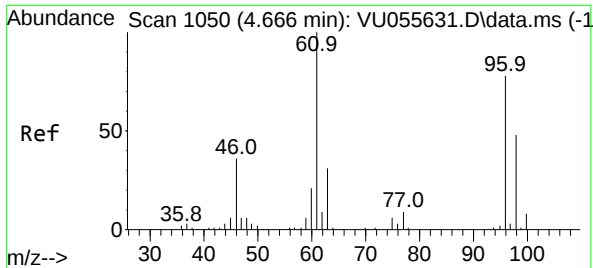


#19
1,1-Dichloroethane
Concen: 0.350 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41



Tgt Ion:	63	Resp:	8200
Ion	Ratio	Lower	Upper
63	100		
65	36.2	22.0	41.0
83	16.9	10.1	18.9





#22

cis-1,2-Dichloroethene

Concen: 2.279 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.000 min

Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

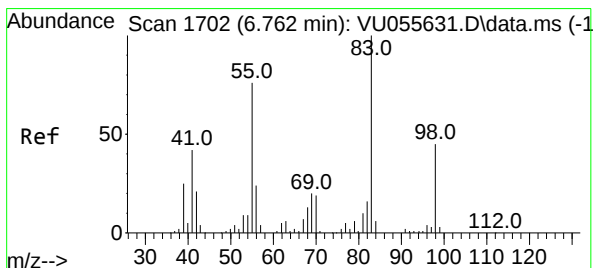
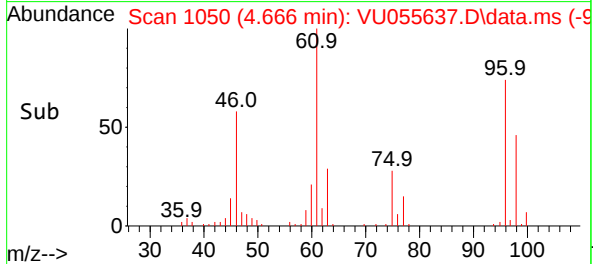
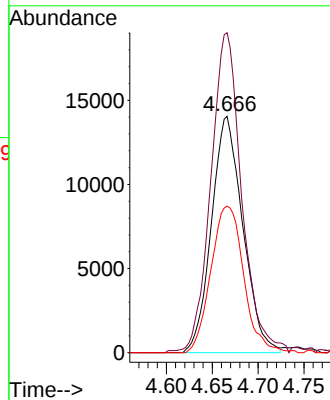
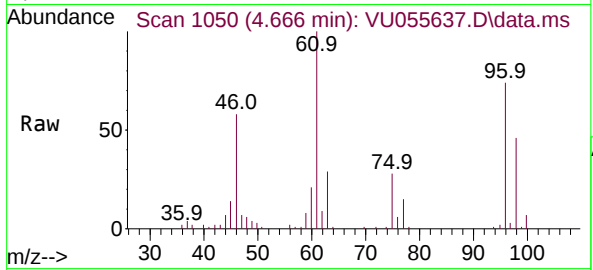
Tgt Ion: 96 Resp: 33471

Ion Ratio Lower Upper

96 100

61 135.4 87.8 163.2

98 62.0 44.4 82.4



#35

Methylcyclohexane

Concen: 0.869 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

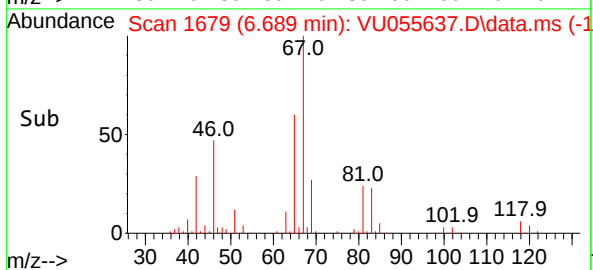
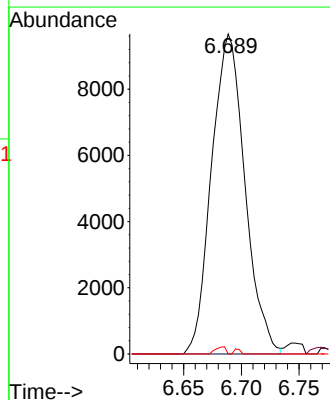
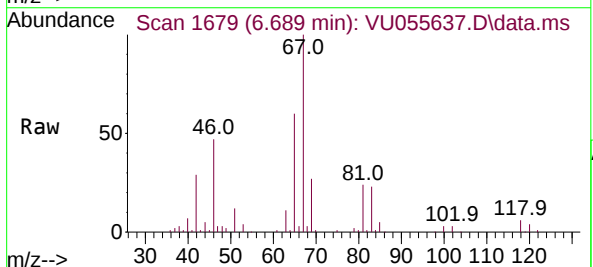
Tgt Ion: 83 Resp: 19402

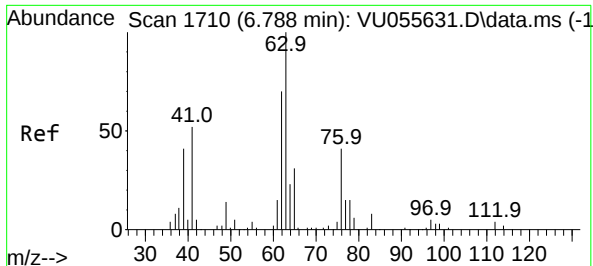
Ion Ratio Lower Upper

83 100

55 0.0 59.1 88.7#

98 0.7 36.3 54.5#

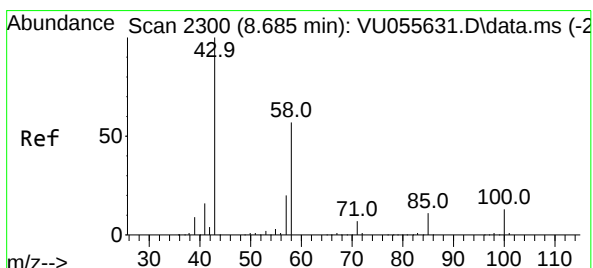
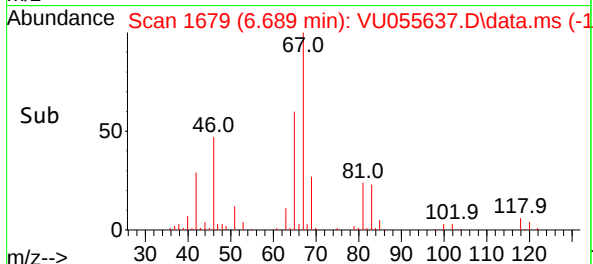
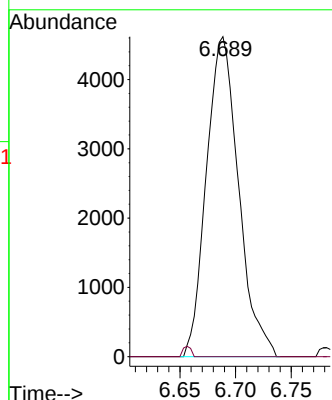
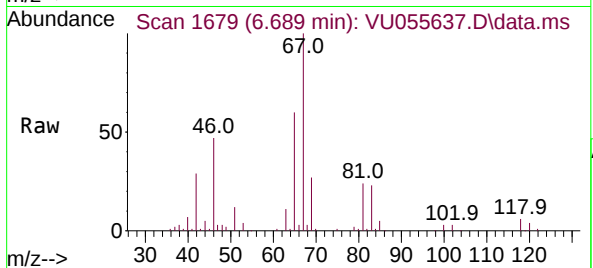




#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41

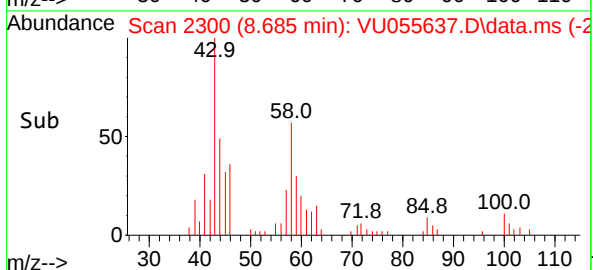
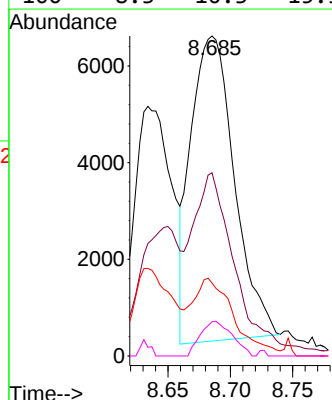
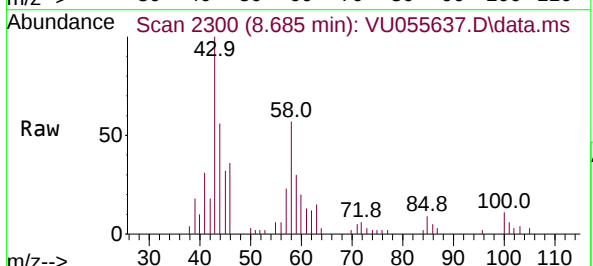
Instrument :
MSVOA_U
ClientSampleId :

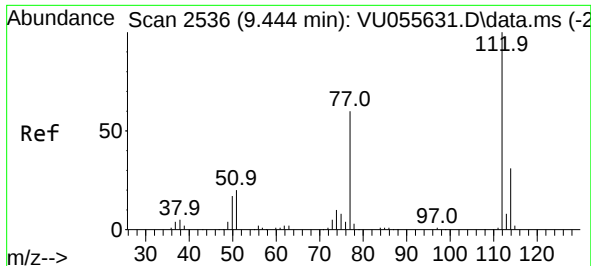
Tgt Ion: 63 Resp: 9283
Ion Ratio Lower Upper
63 100
112 0.8 3.0 4.6#



#48
2-Hexanone
Concen: 3.040 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.000 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41

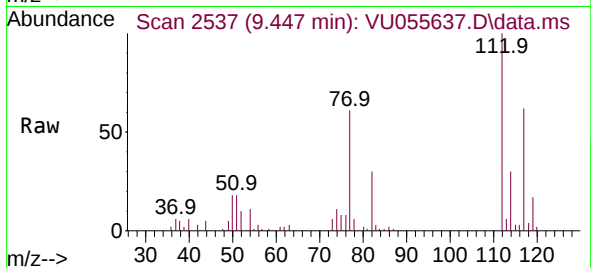
Tgt Ion: 43 Resp: 15320
Ion Ratio Lower Upper
43 100
58 59.0 48.5 72.7
57 24.2 17.0 25.4
100 8.3 10.3 15.5#



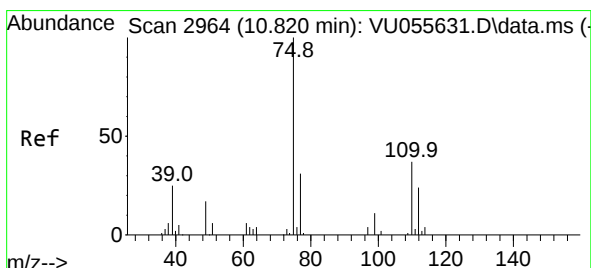
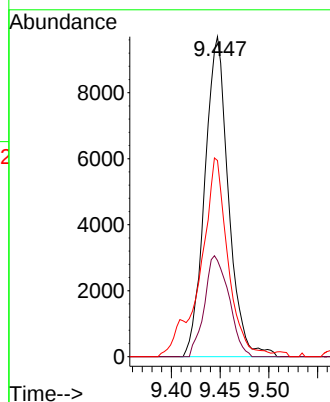
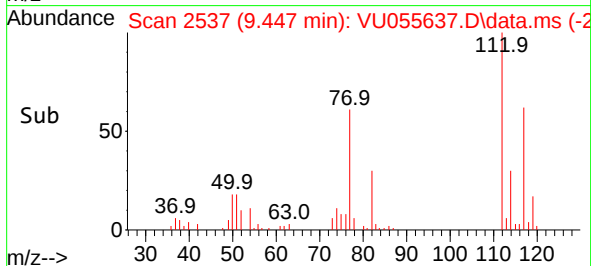


#51
Chlorobenzene
Concen: 0.438 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

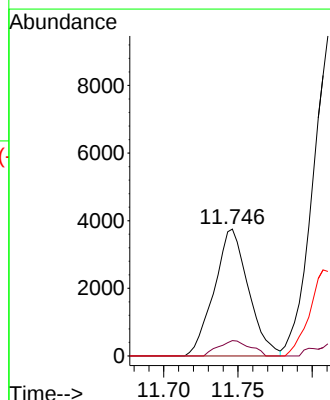
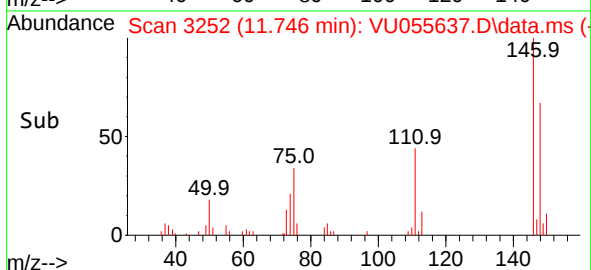
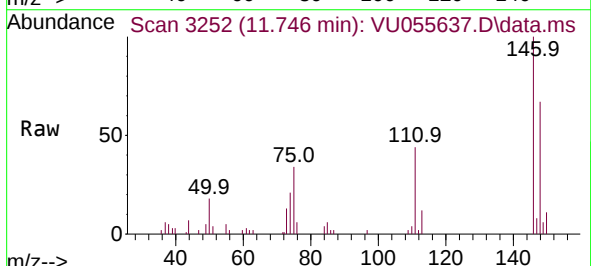


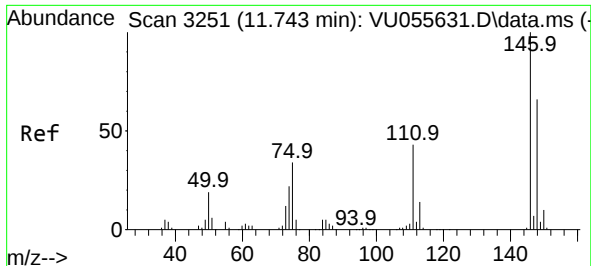
Tgt Ion:112 Resp: 16407
Ion Ratio Lower Upper
112 100
114 30.1 22.0 40.8
77 61.3 46.9 70.3



#61
1,2,3-Trichloropropane
Concen: 0.773 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.926 min
Lab File: VU055637.D
Acq: 03 Oct 2023 13:41

Tgt Ion: 75 Resp: 6006
Ion Ratio Lower Upper
75 100
110 11.2 30.6 45.8#
77 0.0 26.7 40.1#





#64

1,3-Dichlorobenzene

Concen: 0.645 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

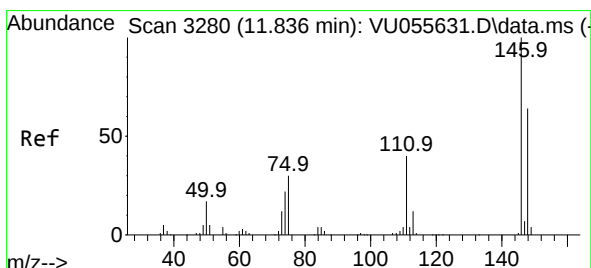
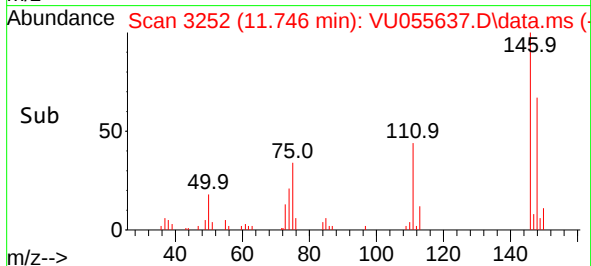
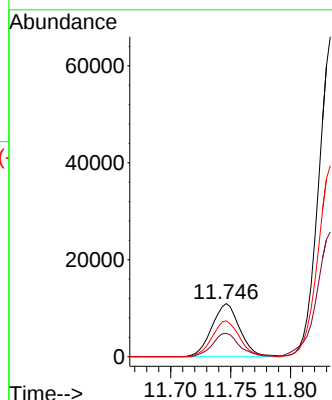
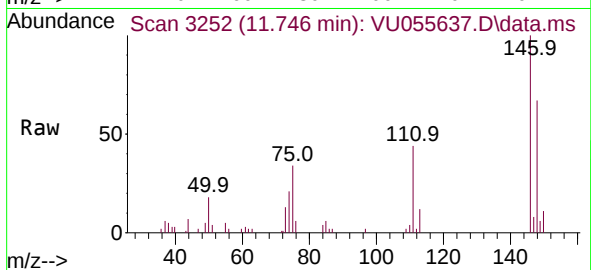
Tgt Ion:146 Resp: 17700

Ion Ratio Lower Upper

146 100

111 44.1 28.8 53.6

148 67.3 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 3.777 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.003 min

Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

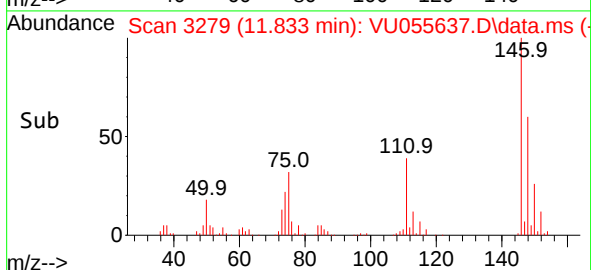
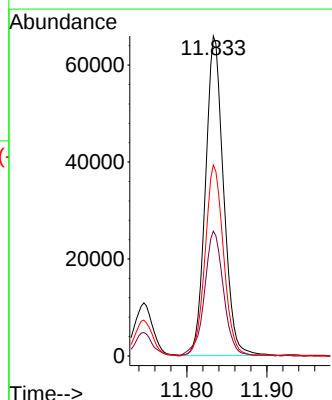
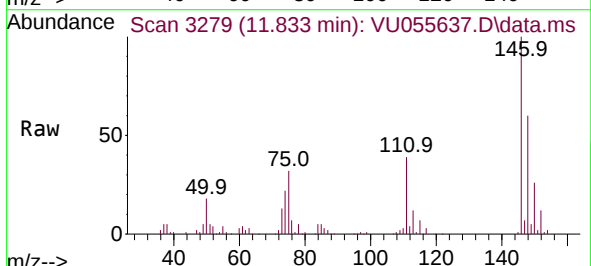
Tgt Ion:146 Resp: 103637

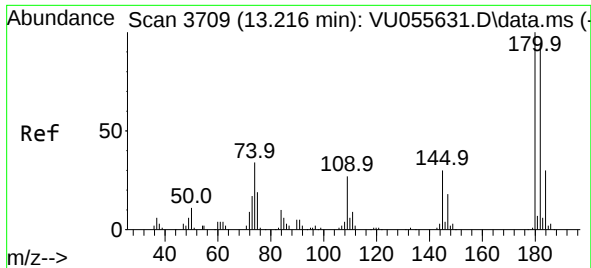
Ion Ratio Lower Upper

146 100

111 39.0 29.0 53.8

148 59.7 45.4 84.4





#69

1,3,5-Trichlorobenzene

Concen: 0.399 ug/L

RT: 13.849 min Scan# 3906

Delta R.T. 0.634 min

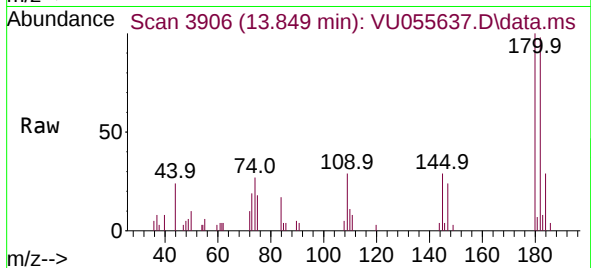
Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 7550

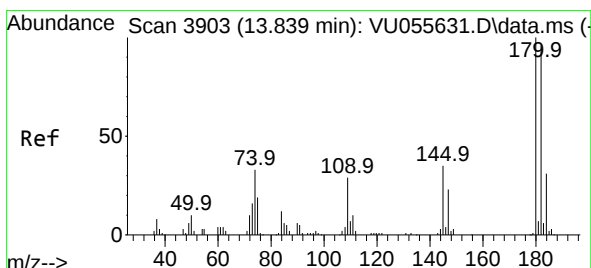
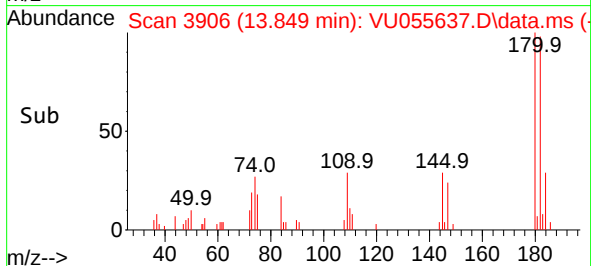
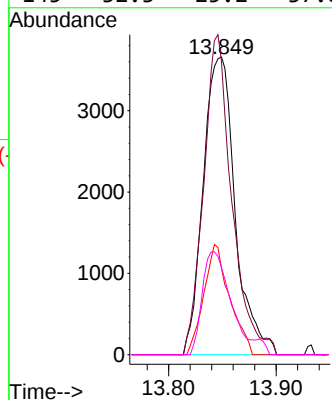
Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

184 30.0 24.0 36.0

145 32.3 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 0.519 ug/L

RT: 13.849 min Scan# 3906

Delta R.T. 0.010 min

Lab File: VU055637.D

Acq: 03 Oct 2023 13:41

Tgt Ion:180 Resp: 7486

Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.6 25.4 38.0

