

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055407.D
 Acq On : 19 Sep 2023 22:02
 Operator : MD/SY
 Sample : 04398-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:10:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	212367	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	215886	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	102679	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29673	1.382	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	27.600%#
7) Chloroethane-d5	1.911	69	43103	2.279	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	45.600%#
11) 1,1-Dichloroethene-d2	2.563	65	15704	1.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	35.600%#
20) 2-Butanone-d5	4.628	46	168076	43.354	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.700%
24) Chloroform-d	5.058	84	121417	3.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.600%#
26) 1,2-Dichloroethane-d4	5.698	65	63039	3.376	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.600%#
32) Benzene-d6	5.724	84	208983	2.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	55.400%#
36) 1,2-Dichloropropane-d6	6.689	67	75898	3.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.200%
41) Toluene-d8	7.898	98	164988	2.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	48.000%#
43) trans-1,3-Dichloroprop...	8.180	79	11148	1.408	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	28.200%#
46) 2-Hexanone-d5	8.634	63	81381	33.791	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62356	3.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	66197	3.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.800%#

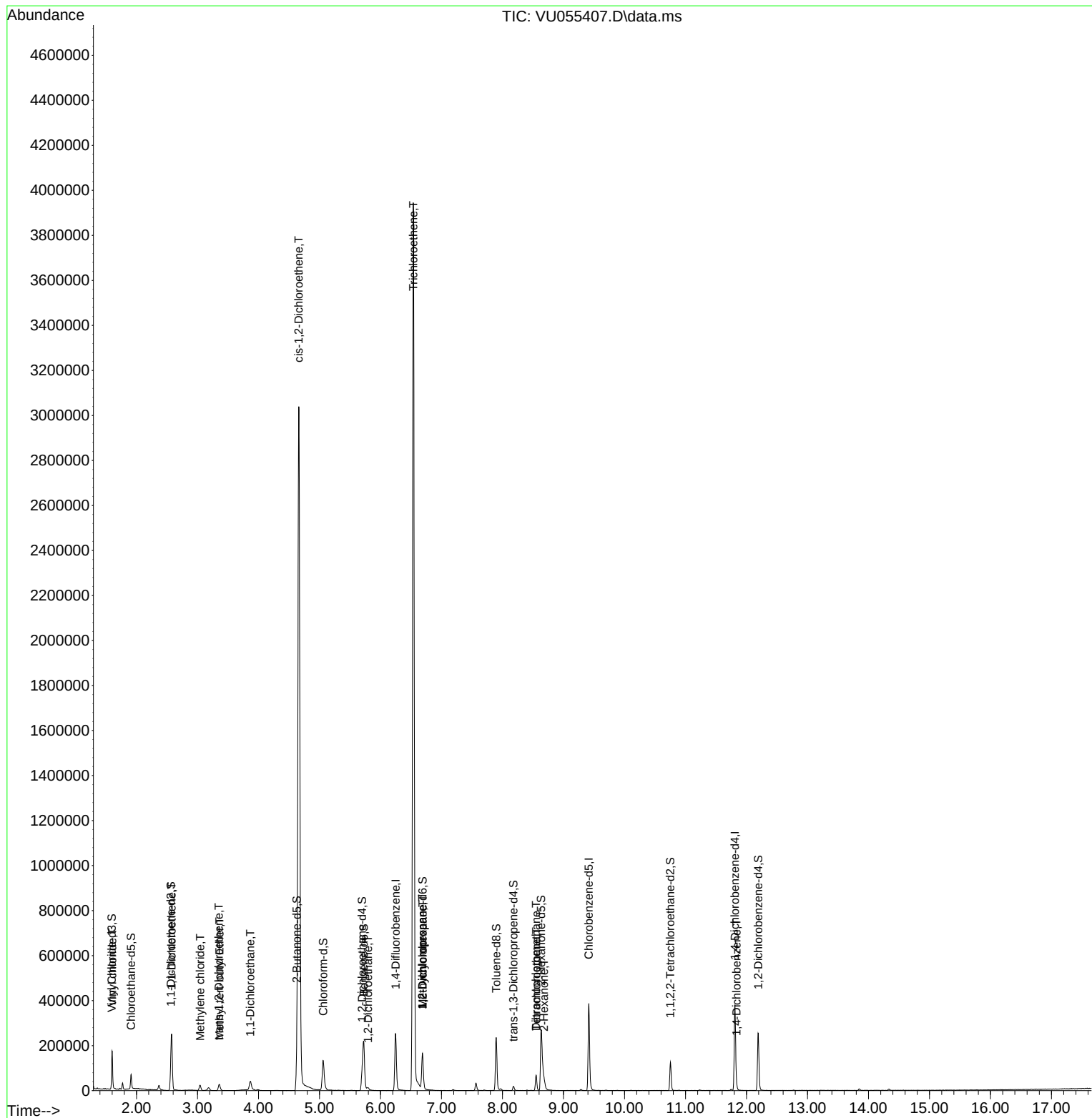
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	96494	4.917	ug/L	98
12) 1,1-Dichloroethene	2.576	96	71850	4.839	ug/L #	80
16) Methylene chloride	3.042	84	11631	0.654	ug/L	82
17) Methyl tert-butyl Ether	3.361	73	18165	0.564	ug/L #	96
18) trans-1,2-Dichloroethene	3.351	96	4949	0.331	ug/L	96
19) 1,1-Dichloroethane	3.866	63	42694	1.543	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	1613641	92.999	ug/L	100
27) 1,2-Dichloroethane	5.795	62	8855	0.493	ug/L	99
34) Trichloroethene	6.537	95	1378877	78.452	ug/L	98
35) Methylcyclohexane	6.689	83	18046	0.713	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	8611	0.530	ug/L #	88
47) Tetrachloroethene	8.553	164	14294	1.134	ug/L	97
48) 2-Hexanone	8.679	43	26425	4.625	ug/L #	81
49) Dibromochloromethane	8.550	129	14858	1.244	ug/L #	9
65) 1,4-Dichlorobenzene	11.836	146	5864	0.207	ug/L	93

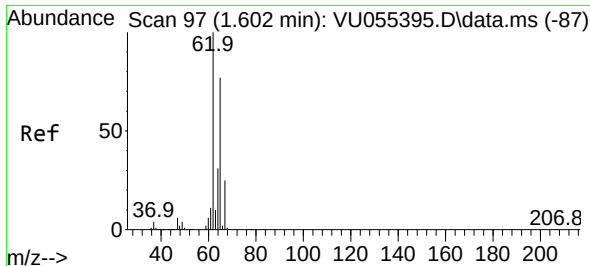
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04398-04
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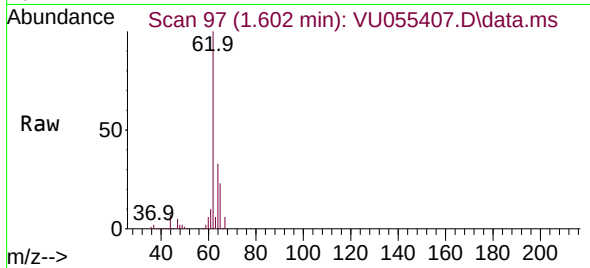
Quant Time: Sep 20 06:10:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration



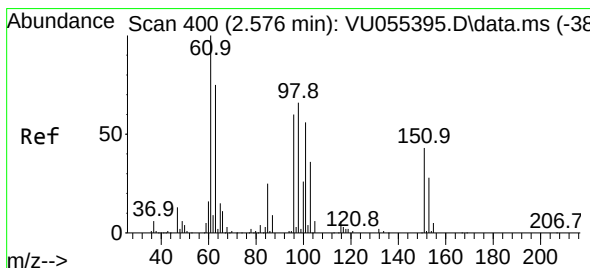
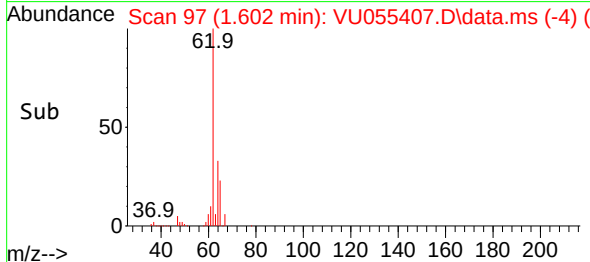
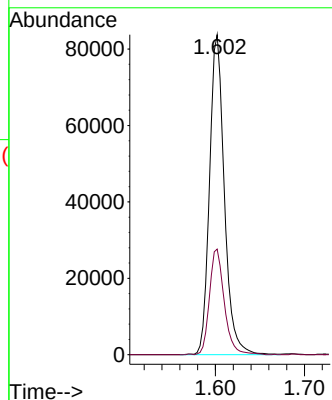


#5
 Vinyl chloride
 Concen: 4.917 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055407.D
 Acq: 19 Sep 2023 22:02

Instrument :
 MSVOA_U
 ClientSampleId :

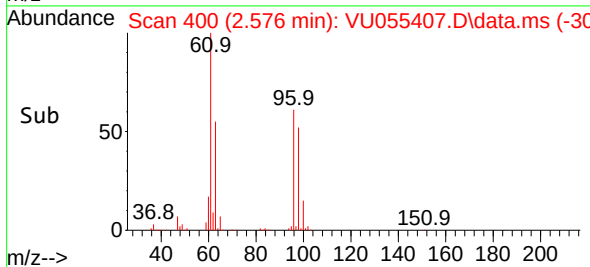
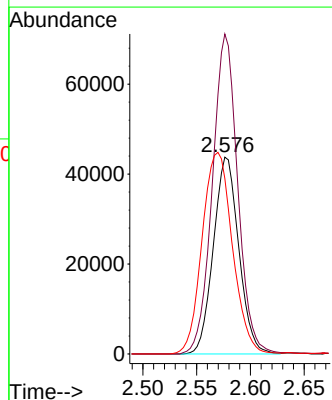
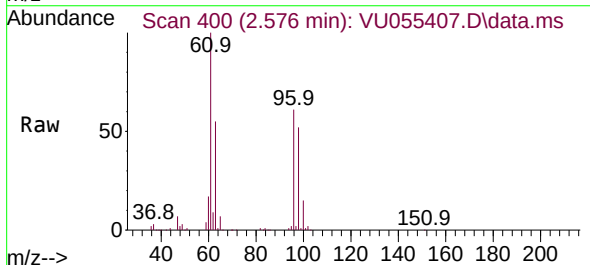


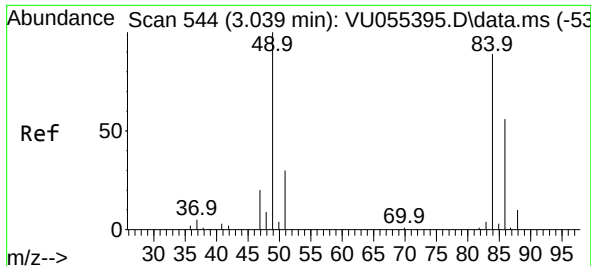
Tgt Ion: 62 Resp: 96494
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 4.839 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055407.D
 Acq: 19 Sep 2023 22:02

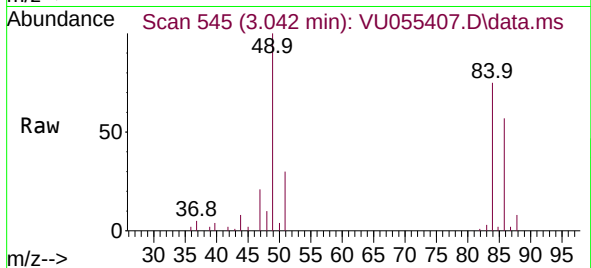
Tgt Ion: 96 Resp: 71850
 Ion Ratio Lower Upper
 96 100
 61 162.6 114.5 212.7
 63 89.2 98.3 182.5





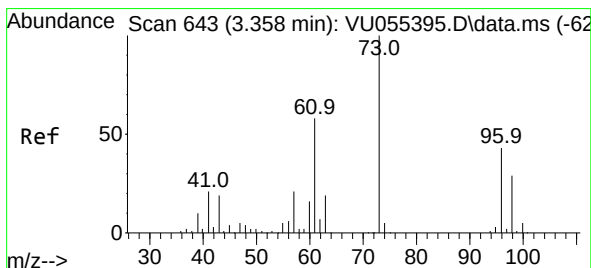
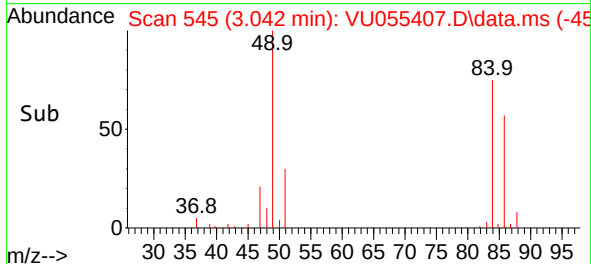
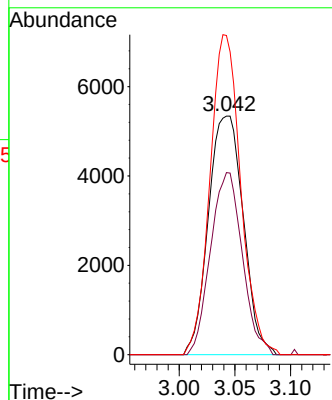
#16
Methylene chloride
Concen: 0.654 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 11631

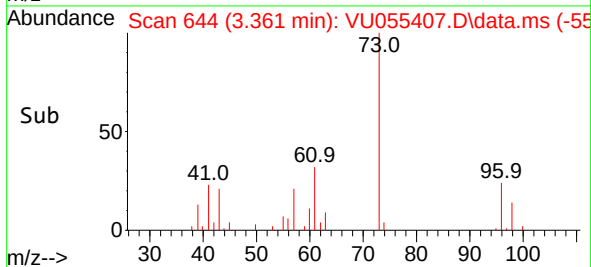
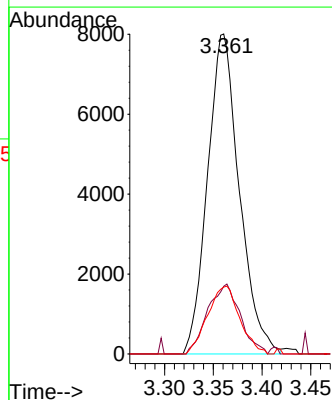
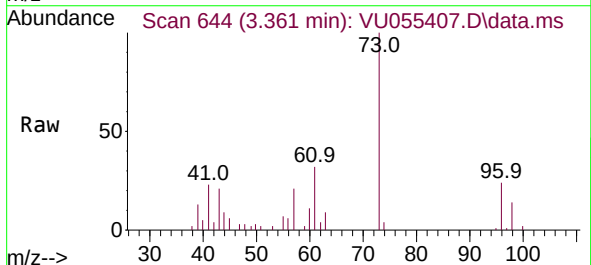
Ion	Ratio	Lower	Upper
84	100		
86	76.3	44.9	83.3
49	133.8	78.8	146.3

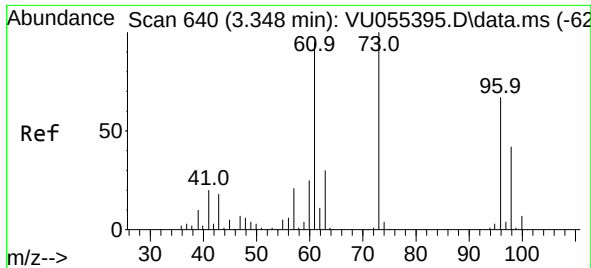


#17
Methyl tert-butyl Ether
Concen: 0.564 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion: 73 Resp: 18165

Ion	Ratio	Lower	Upper
73	100		
43	22.4	14.9	22.3#
57	21.4	17.3	25.9

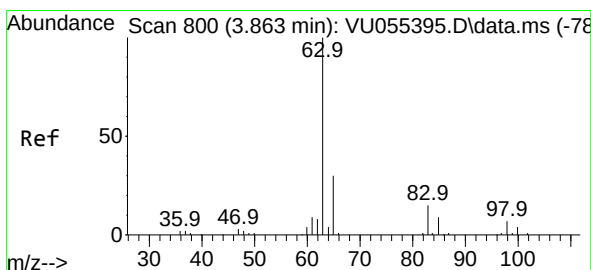
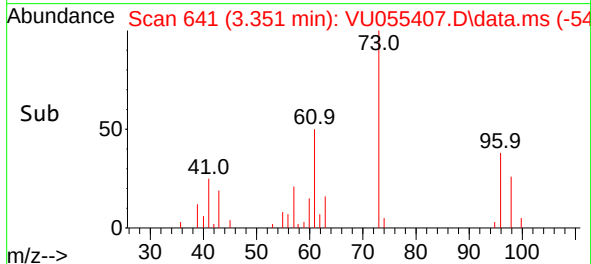
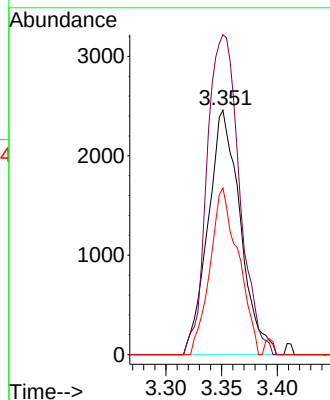
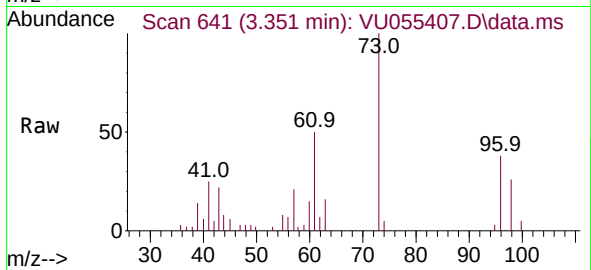




#18
trans-1,2-Dichloroethene
Concen: 0.331 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

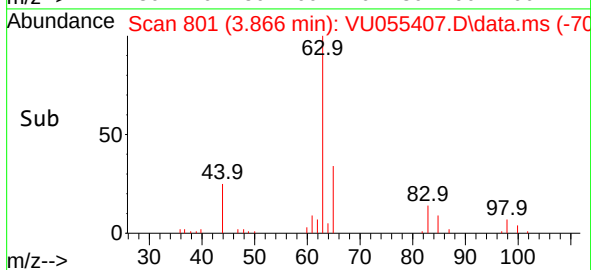
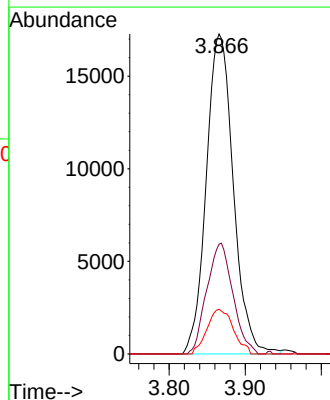
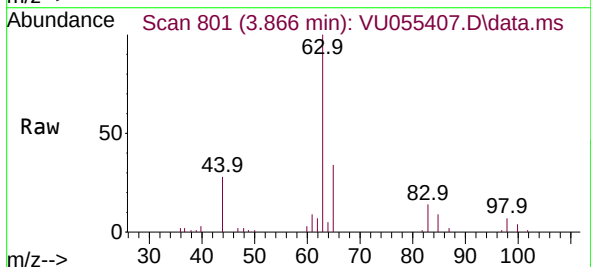
Instrument :
MSVOA_U
ClientSampleId :

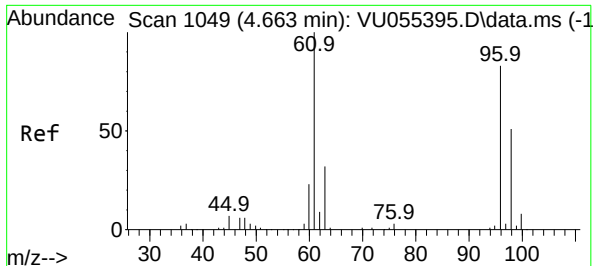
Tgt Ion: 96 Resp: 4949
Ion Ratio Lower Upper
96 100
61 130.9 94.6 175.6
98 68.2 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.543 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion: 63 Resp: 42694
Ion Ratio Lower Upper
63 100
65 34.4 22.0 41.0
83 14.0 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 92.999 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Instrument :

MSVOA_U

ClientSampleId :

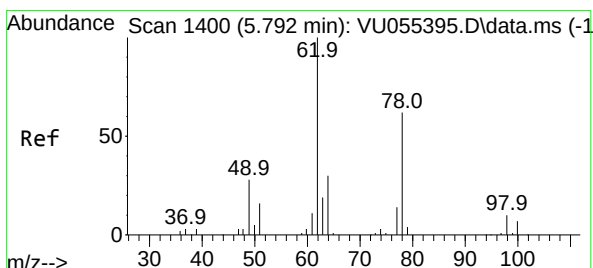
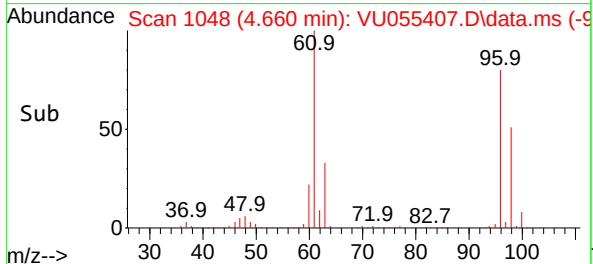
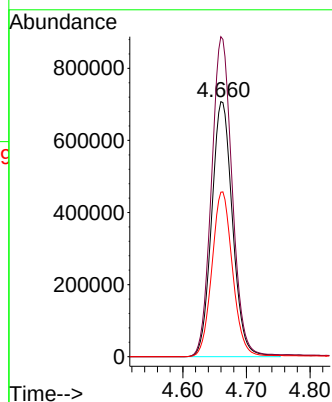
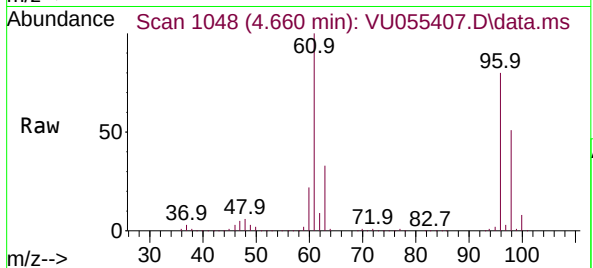
Tgt Ion: 96 Resp: 1613641

Ion Ratio Lower Upper

96 100

61 125.5 87.8 163.2

98 64.5 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.493 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055407.D

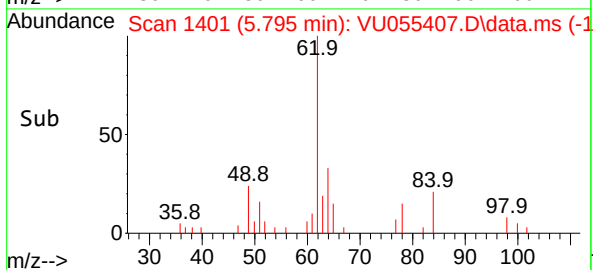
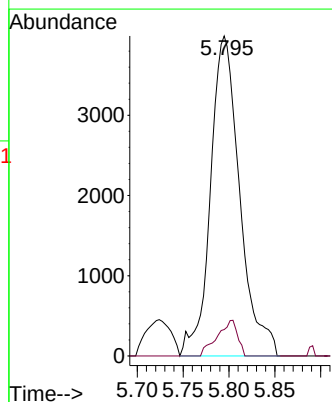
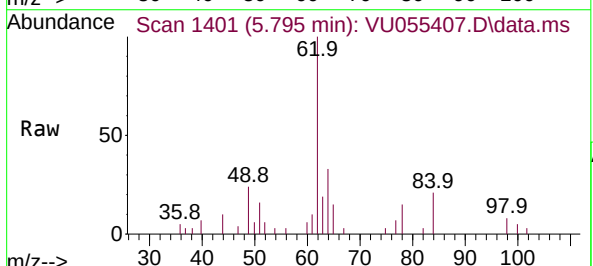
Acq: 19 Sep 2023 22:02

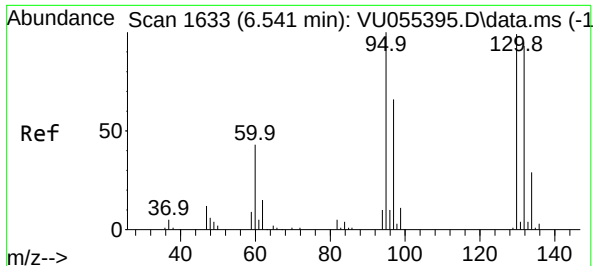
Tgt Ion: 62 Resp: 8855

Ion Ratio Lower Upper

62 100

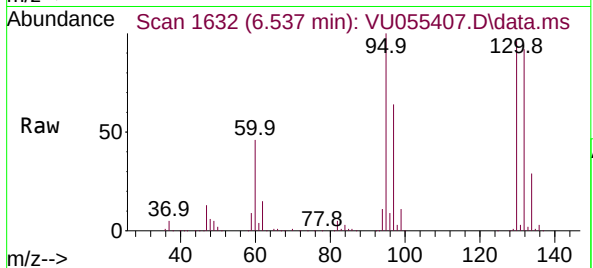
98 8.2 7.0 10.4





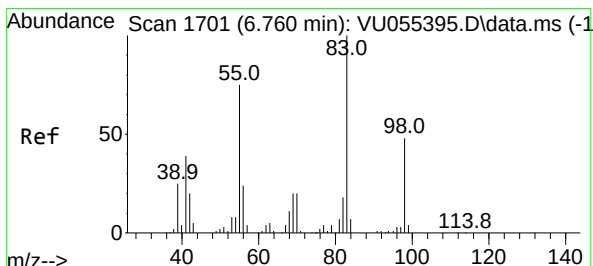
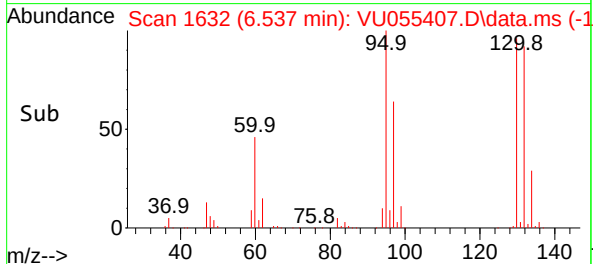
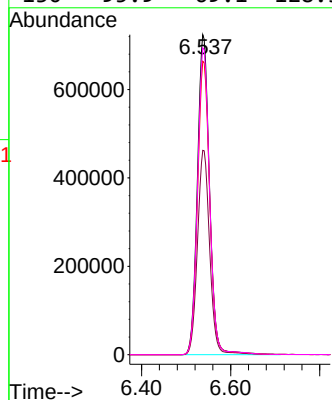
#34
Trichloroethene
Concen: 78.452 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 1378877

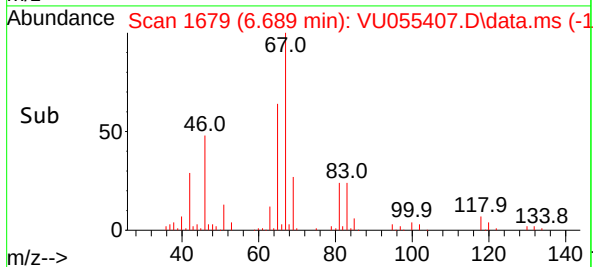
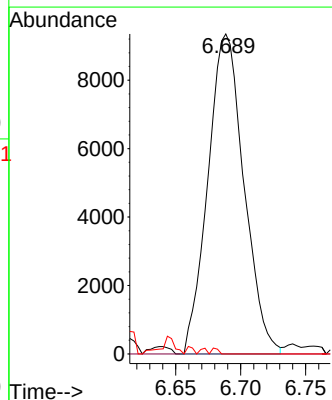
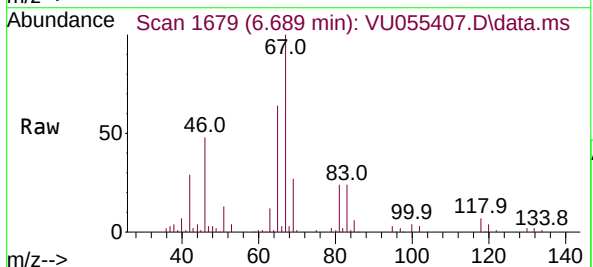
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.4	84.2
132	91.7	65.2	121.2
130	95.9	69.1	128.3

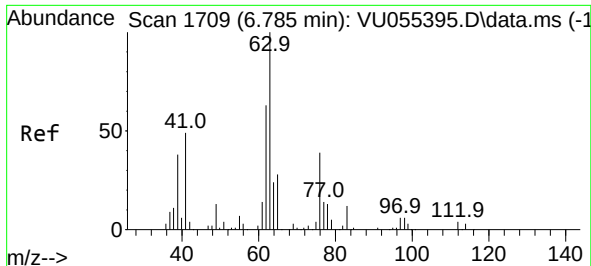


#35
Methylcyclohexane
Concen: 0.713 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion: 83 Resp: 18046

Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.1	88.7#
98	0.0	36.3	54.5#





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Instrument :

MSVOA_U

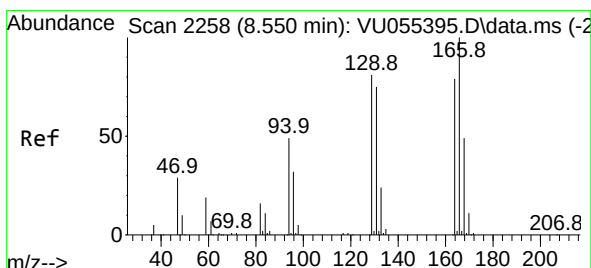
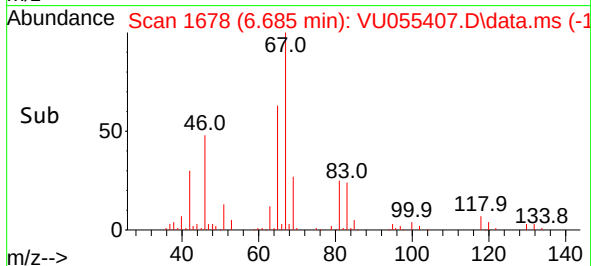
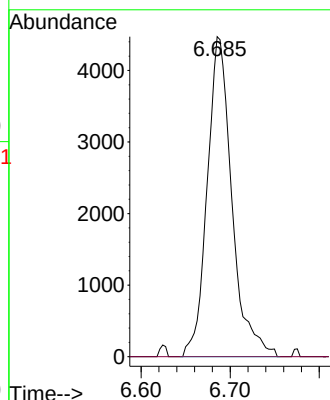
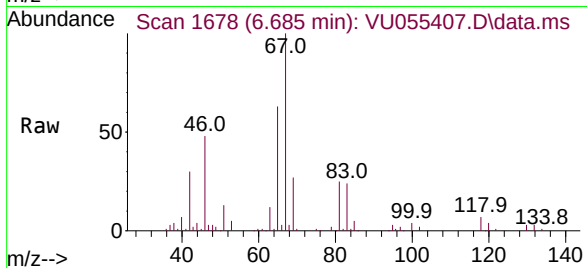
ClientSampleId :

Tgt Ion: 63 Resp: 8611

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#47

Tetrachloroethene

Concen: 1.134 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Tgt Ion:164 Resp: 14294

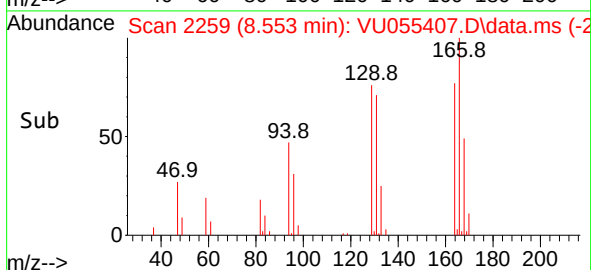
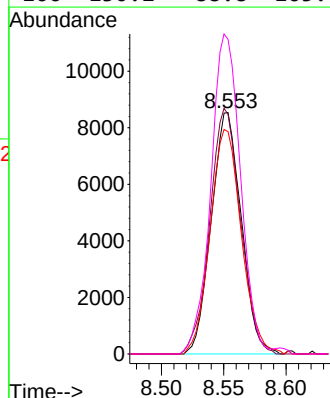
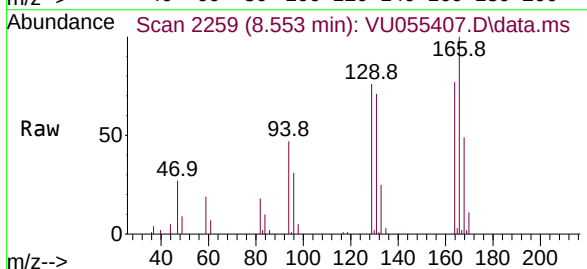
Ion Ratio Lower Upper

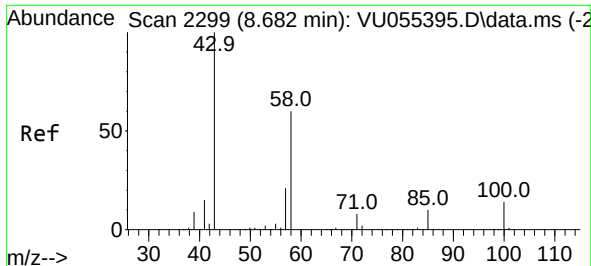
164 100

129 99.2 67.4 125.2

131 92.1 66.4 123.2

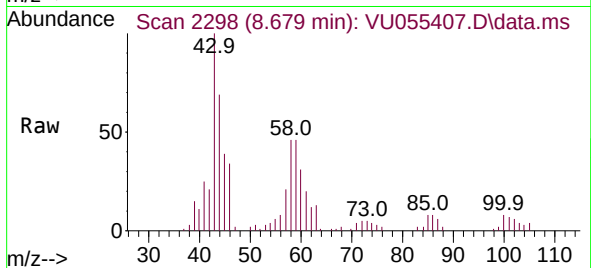
166 130.2 88.8 165.0



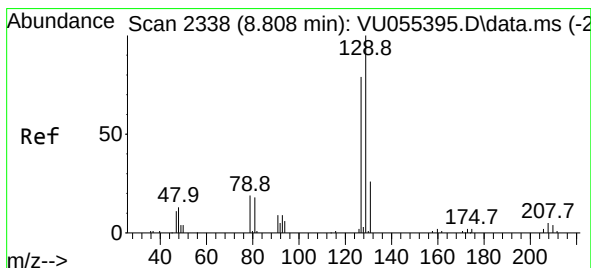
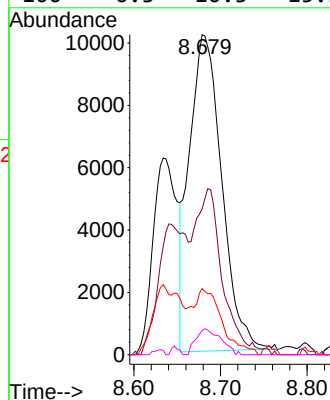
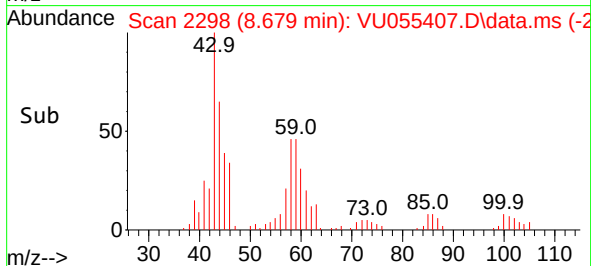


#48
2-Hexanone
Concen: 4.625 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Instrument :
MSVOA_U
ClientSampleId :

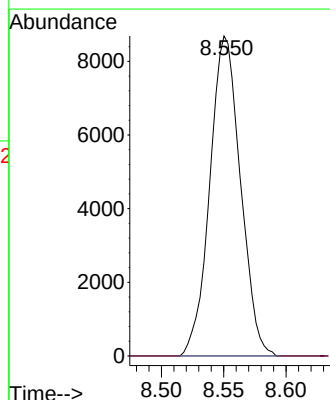
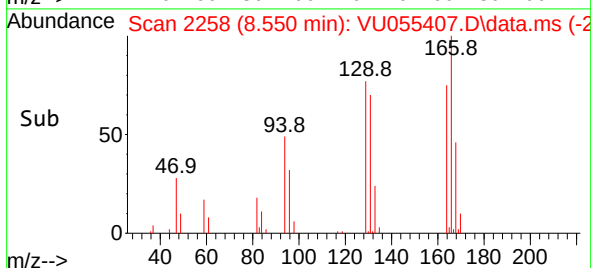
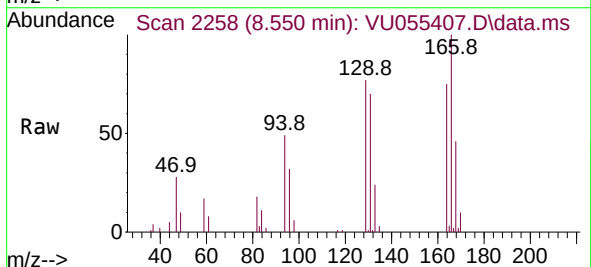


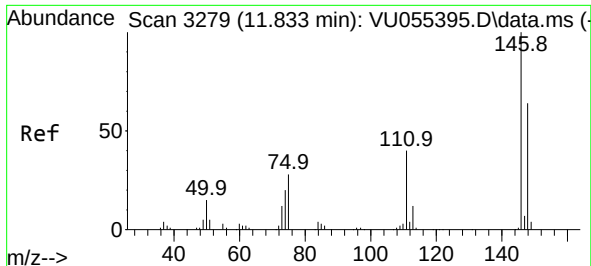
Tgt Ion: 43 Resp: 26425
Ion Ratio Lower Upper
43 100
58 43.1 48.5 72.7#
57 16.1 17.0 25.4#
100 6.3 10.3 15.5#



#49
Dibromochloromethane
Concen: 1.244 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion:129 Resp: 14858
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#





#65

1,4-Dichlorobenzene

Concen: 0.207 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.003 min

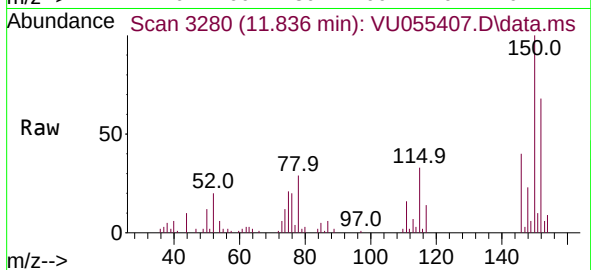
Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 5864

Ion Ratio Lower Upper

146 100

111 40.2 29.0 53.8

148 57.3 45.4 84.4

