

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091923\
 Data File : VU055406.D
 Acq On : 19 Sep 2023 21:38
 Operator : MD/SY
 Sample : 04398-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:10:05 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	216417	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	215803	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	97689	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29657	1.356	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	27.200%#
7) Chloroethane-d5	1.911	69	44869	2.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.600%#
11) 1,1-Dichloroethene-d2	2.563	65	17349	1.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	38.600%#
20) 2-Butanone-d5	4.631	46	179259	45.373	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.740%
24) Chloroform-d	5.058	84	124767	3.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.000%#
26) 1,2-Dichloroethane-d4	5.701	65	65036	3.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
32) Benzene-d6	5.724	84	215943	2.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	57.200%#
36) 1,2-Dichloropropane-d6	6.689	67	77478	3.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.800%
41) Toluene-d8	7.897	98	168916	2.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.200%#
43) trans-1,3-Dichloroprop...	8.177	79	11342	1.433	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	28.600%#
46) 2-Hexanone-d5	8.634	63	88342	36.696	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.400%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	64101	3.792	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	62998	3.195	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	90179	4.510	ug/L	97
12) 1,1-Dichloroethene	2.576	96	49651	3.281	ug/L	87
16) Methylene chloride	3.046	84	8161	0.450	ug/L	93
17) Methyl tert-butyl Ether	3.357	73	23396	0.713	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	6446	0.423	ug/L	85
19) 1,1-Dichloroethane	3.862	63	42480	1.506	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	985940	55.759	ug/L	100
27) 1,2-Dichloroethane	5.798	62	8315	0.454	ug/L #	76
33) Benzene	5.772	78	9529	0.153	ug/L	100
34) Trichloroethene	6.537	95	873664	49.726	ug/L	98
35) Methylcyclohexane	6.689	83	18988	0.750	ug/L #	22
37) 1,2-Dichloropropane	6.689	63	8372	0.515	ug/L #	90
47) Tetrachloroethene	8.553	164	10883	0.864	ug/L	95
48) 2-Hexanone	8.682	43	20184	3.534	ug/L #	83
49) Dibromochloromethane	8.550	129	11742	0.983	ug/L #	9
51) Chlorobenzene	9.447	112	14387	0.339	ug/L	94
61) 1,2,3-Trichloropropane	11.746	75	1821	0.239	ug/L #	42
64) 1,3-Dichlorobenzene	11.746	146	5808	0.215	ug/L	90
65) 1,4-Dichlorobenzene	11.833	146	13405	0.498	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration

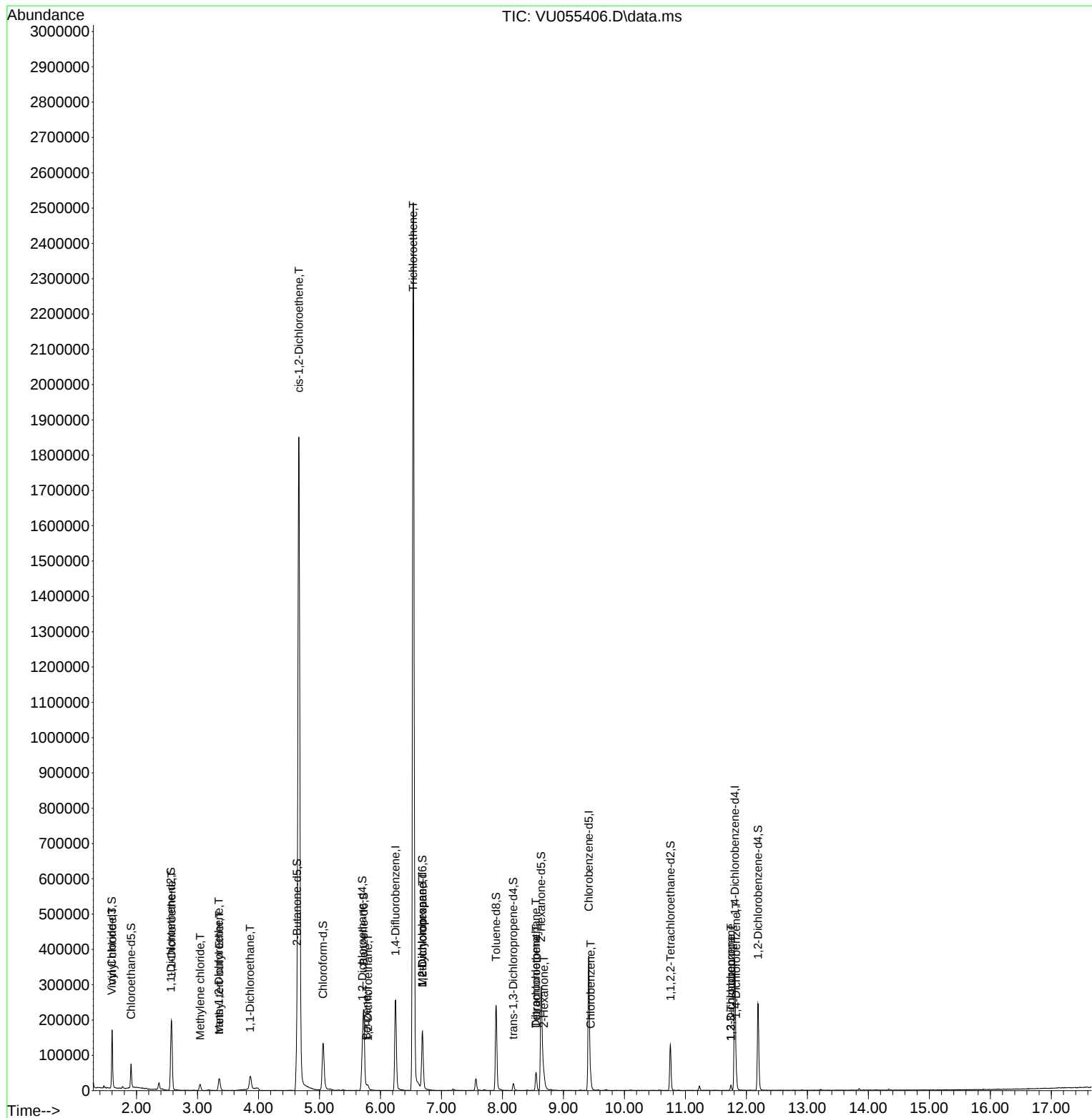
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

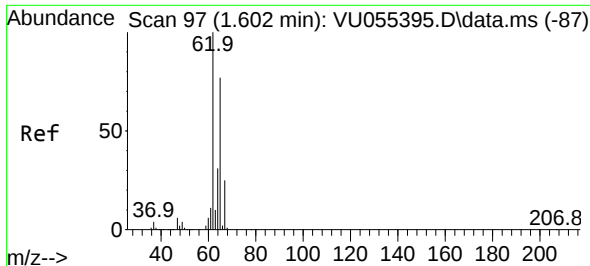
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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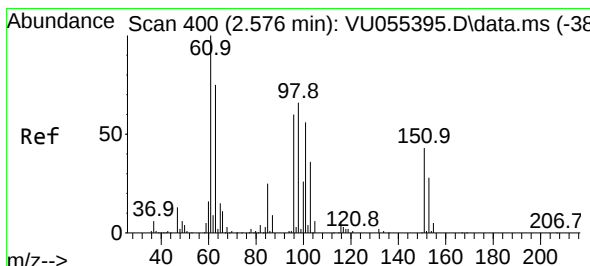
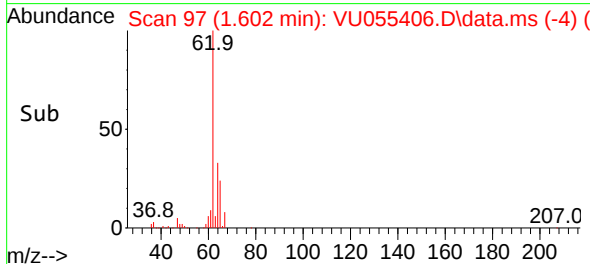
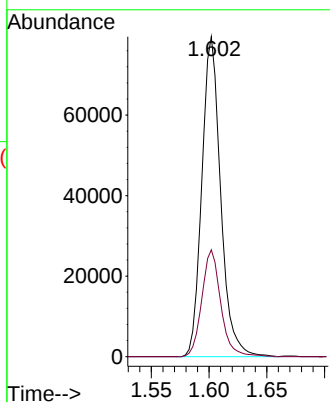
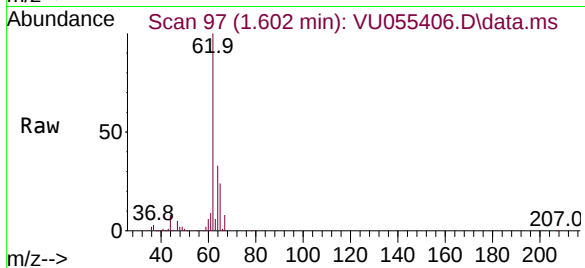




#5
 Vinyl chloride
 Concen: 4.510 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055406.D
 Acq: 19 Sep 2023 21:38

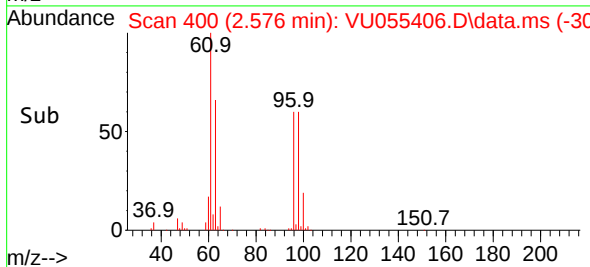
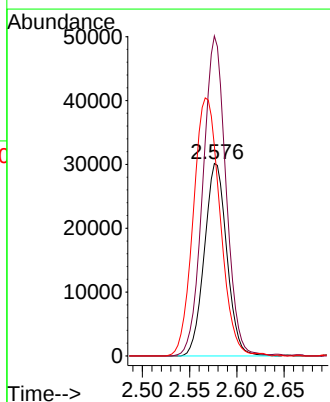
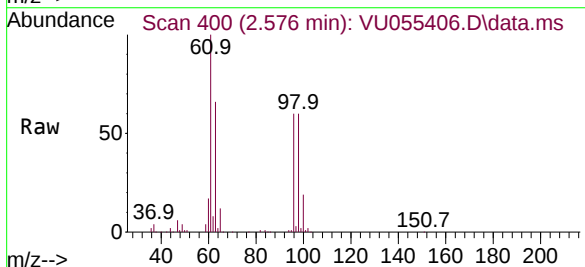
Instrument :
 MSVOA_U
 ClientSampleId :

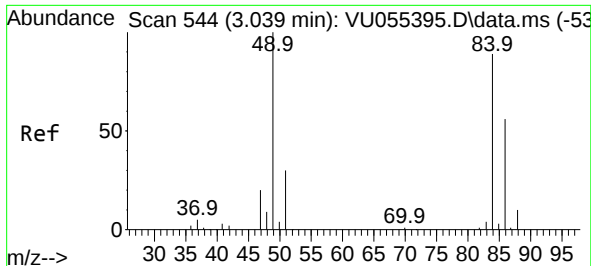
Tgt Ion: 62 Resp: 90179
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 3.281 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055406.D
 Acq: 19 Sep 2023 21:38

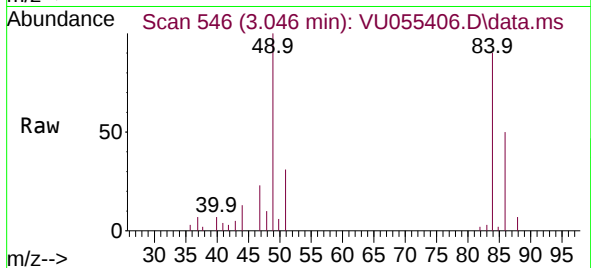
Tgt Ion: 96 Resp: 49651
 Ion Ratio Lower Upper
 96 100
 61 166.2 114.5 212.7
 63 109.2 98.3 182.5



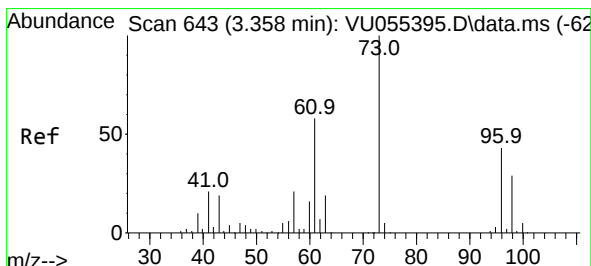
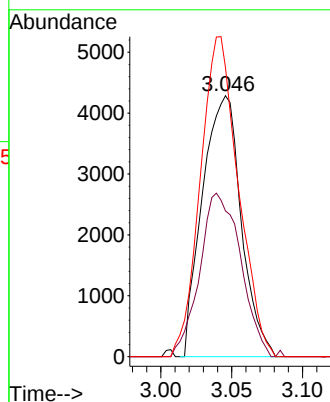
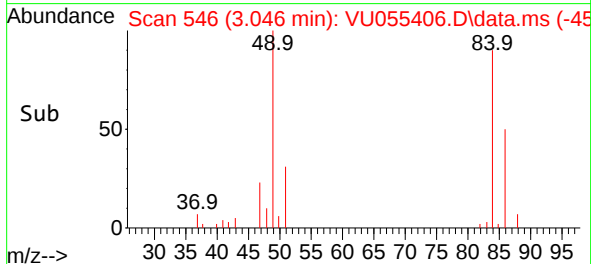


#16
Methylene chloride
Concen: 0.450 ug/L
RT: 3.046 min Scan# 544
Delta R.T. 0.006 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

Instrument :
MSVOA_U
ClientSampleId :

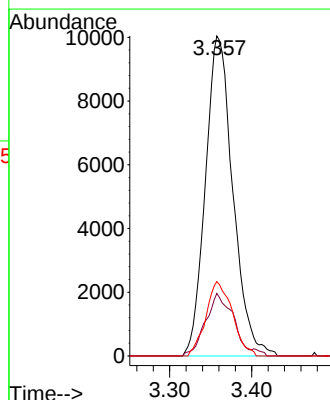
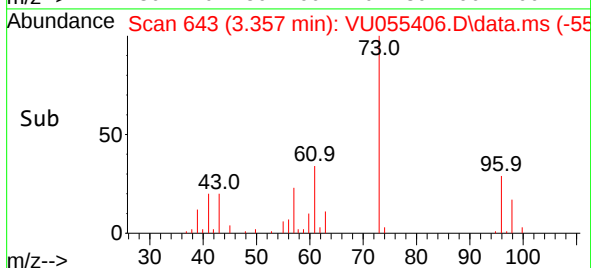
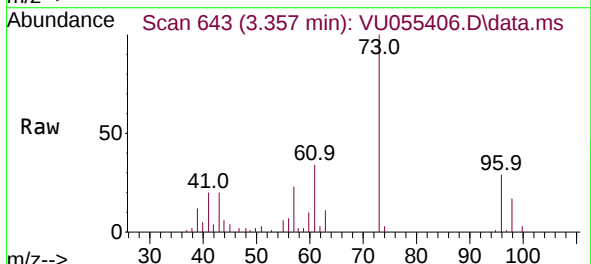


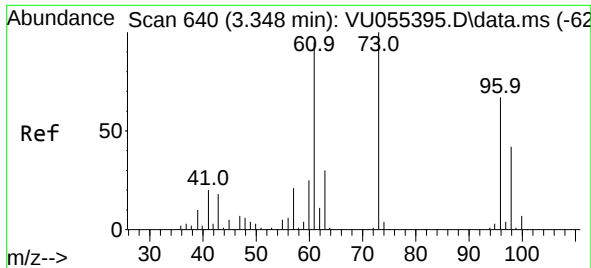
Tgt Ion: 84 Resp: 8161
Ion Ratio Lower Upper
84 100
86 55.8 44.9 83.3
49 117.4 78.8 146.3



#17
Methyl tert-butyl Ether
Concen: 0.713 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

Tgt Ion: 73 Resp: 23396
Ion Ratio Lower Upper
73 100
43 19.6 14.9 22.3
57 22.3 17.3 25.9

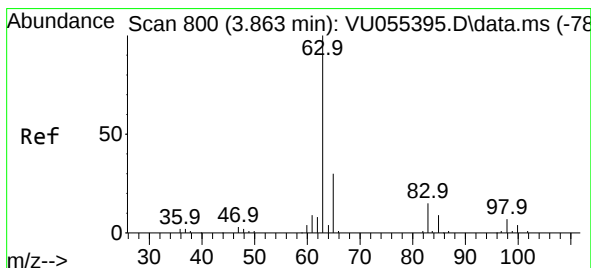
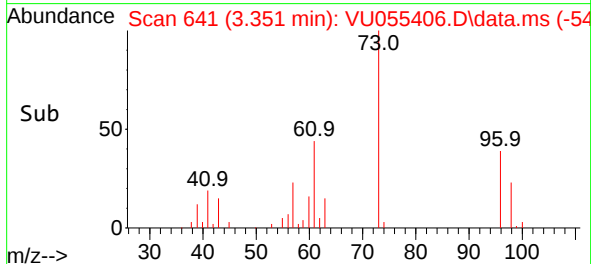
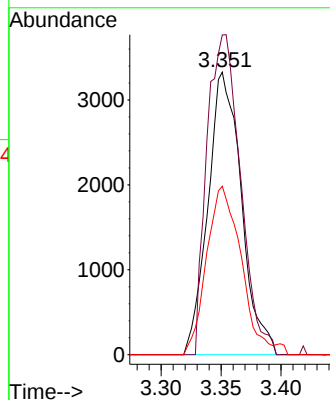
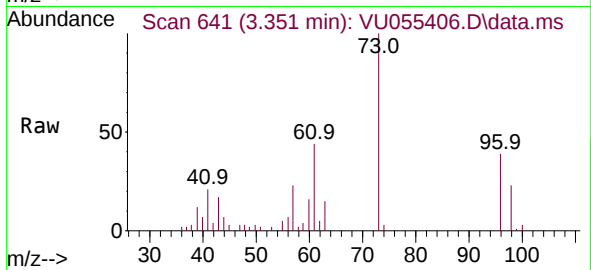




#18
trans-1,2-Dichloroethene
Concen: 0.423 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

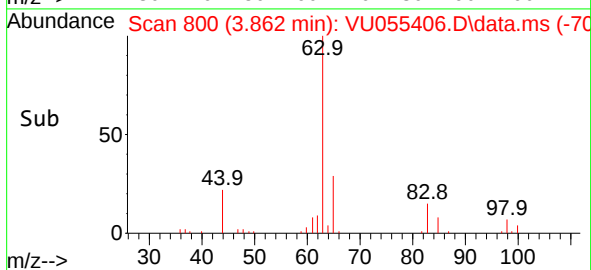
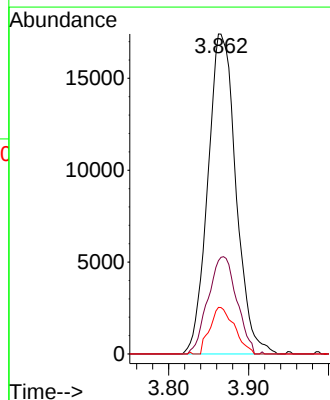
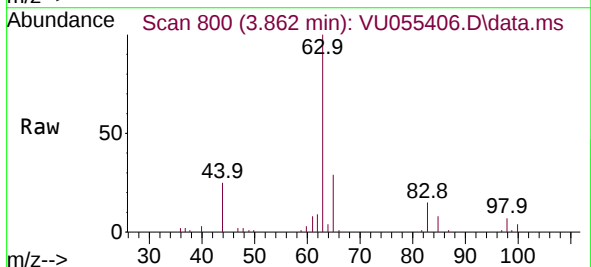
Instrument :
MSVOA_U
ClientSampleId :

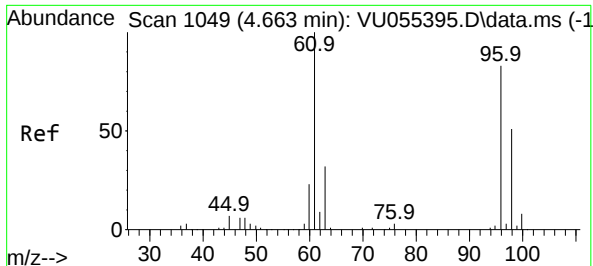
Tgt Ion: 96 Resp: 6446
Ion Ratio Lower Upper
96 100
61 113.1 94.6 175.6
98 59.6 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.506 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

Tgt Ion: 63 Resp: 42480
Ion Ratio Lower Upper
63 100
65 29.2 22.0 41.0
83 14.6 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 55.759 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

Instrument :

MSVOA_U

ClientSampleId :

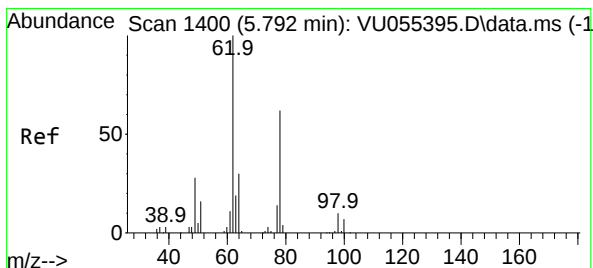
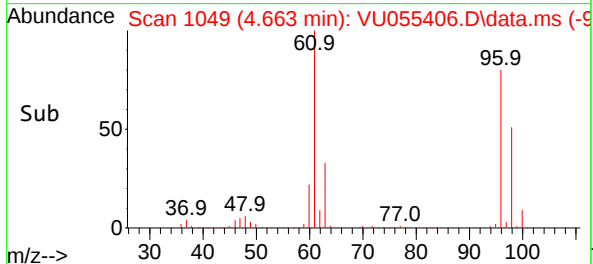
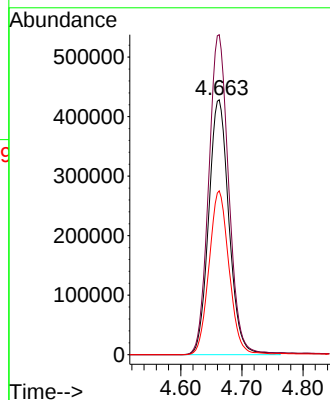
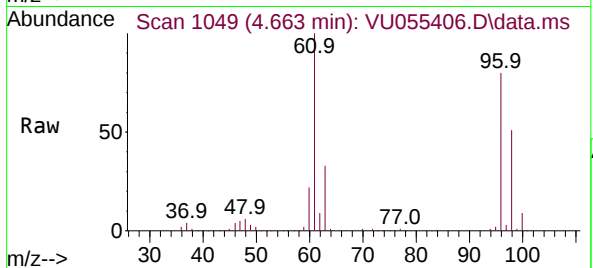
Tgt Ion: 96 Resp: 985940

Ion Ratio Lower Upper

96 100

61 125.5 87.8 163.2

98 64.2 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.454 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.006 min

Lab File: VU055406.D

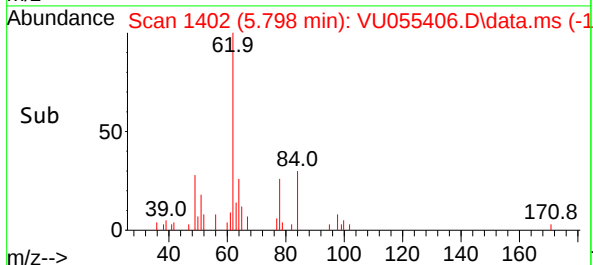
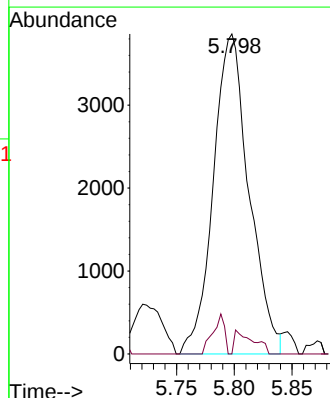
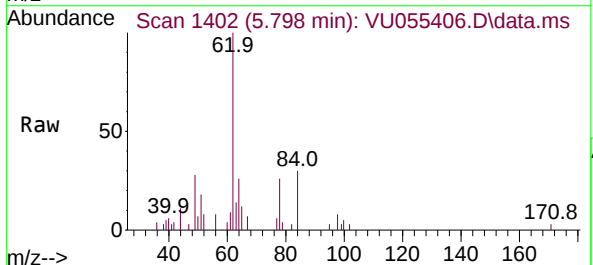
Acq: 19 Sep 2023 21:38

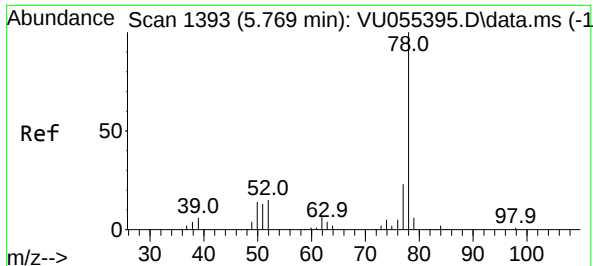
Tgt Ion: 62 Resp: 8315

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#





#33

Benzene

Concen: 0.153 ug/L

RT: 5.772 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055406.D

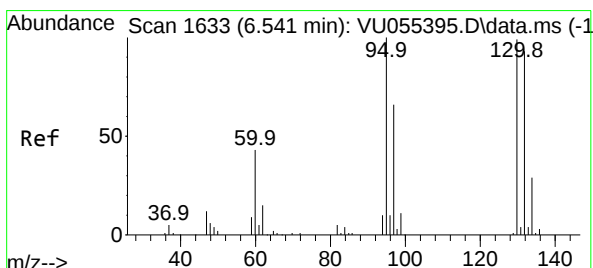
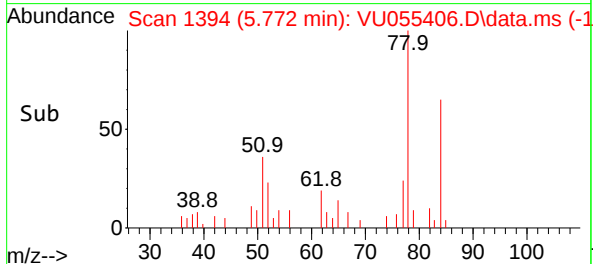
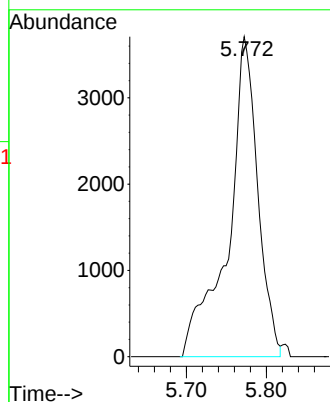
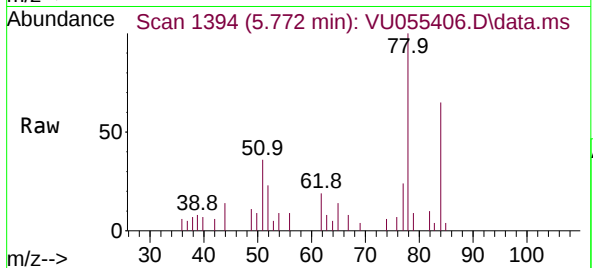
Acq: 19 Sep 2023 21:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 9529



#34

Trichloroethene

Concen: 49.726 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.003 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

Tgt Ion: 95 Resp: 873664

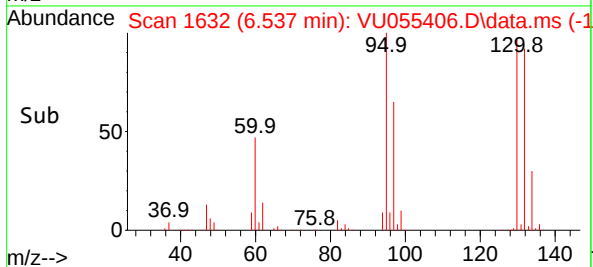
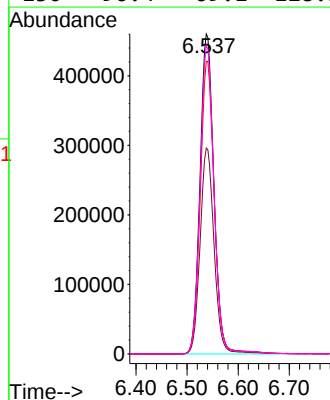
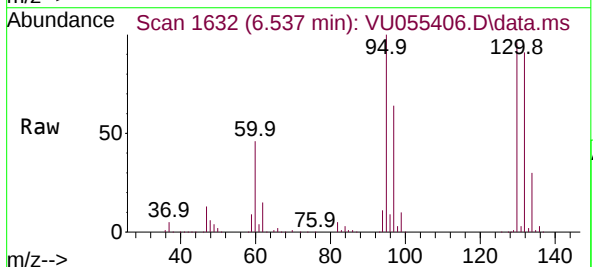
Ion Ratio Lower Upper

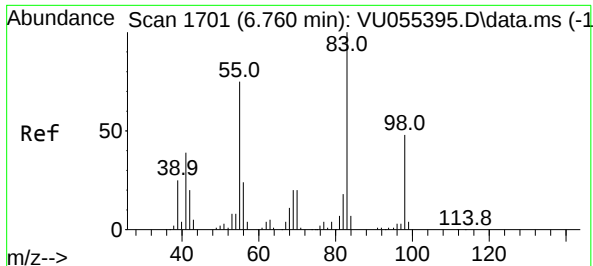
95 100

97 64.4 45.4 84.2

132 91.5 65.2 121.2

130 96.4 69.1 128.3

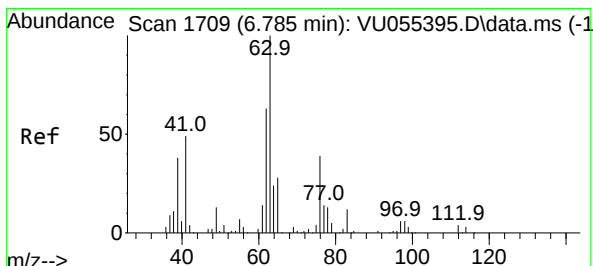
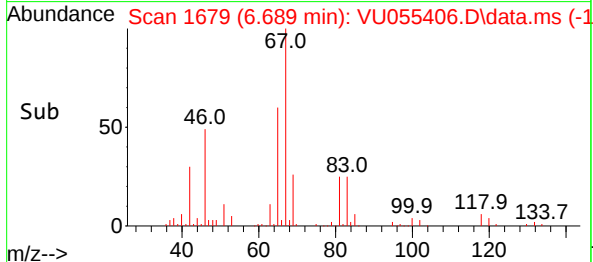
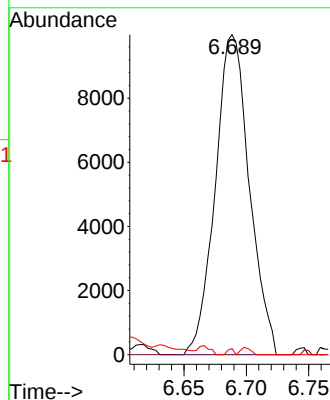
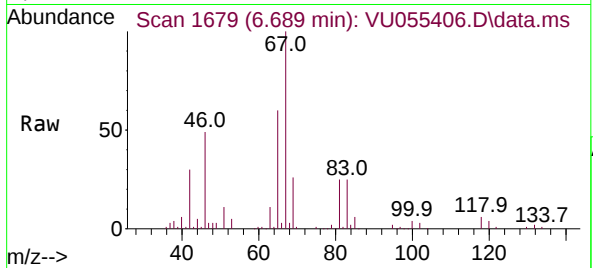




#35
Methylcyclohexane
Concen: 0.750 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

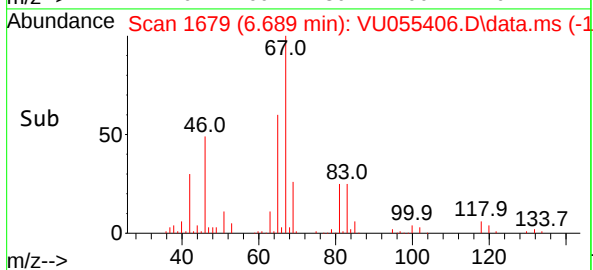
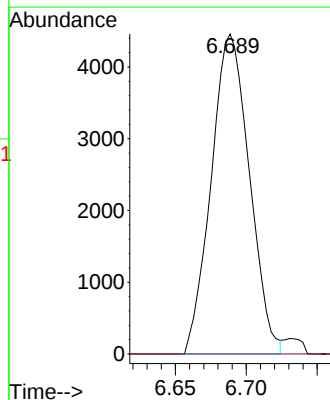
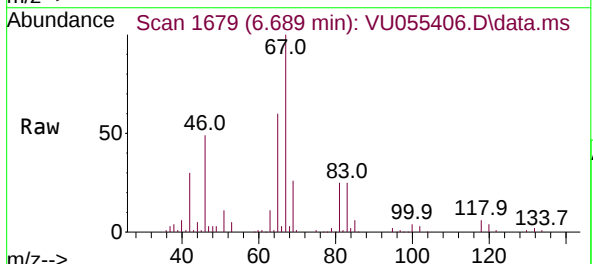
Instrument :
MSVOA_U
ClientSampleId :

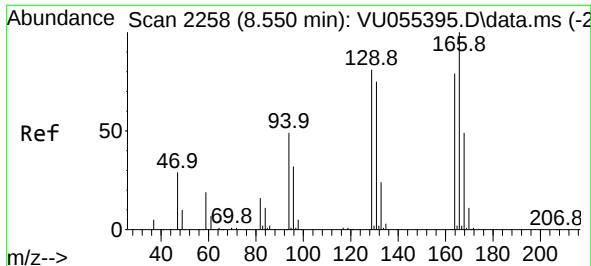
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	59.1	88.7#
98	3.4	36.3	54.5#



#37
1,2-Dichloropropane
Concen: 0.515 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.097 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

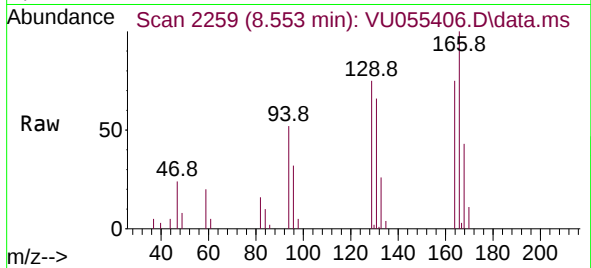
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.5	3.0	4.6#



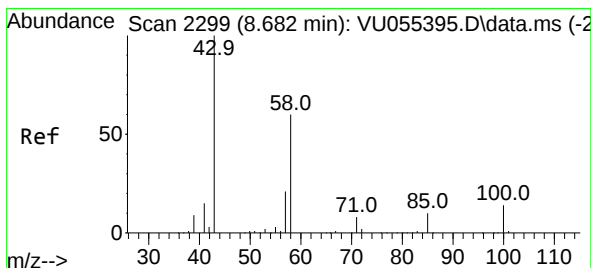
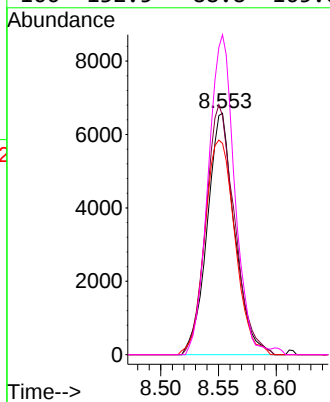
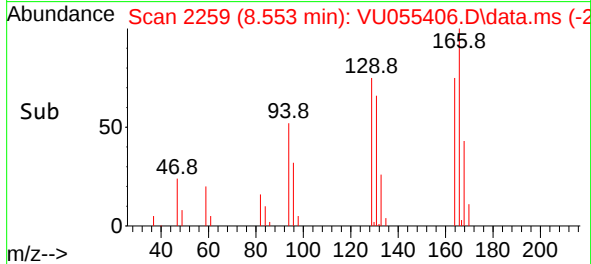


#47
Tetrachloroethene
Concen: 0.864 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

Instrument :
MSVOA_U
ClientSampleId :

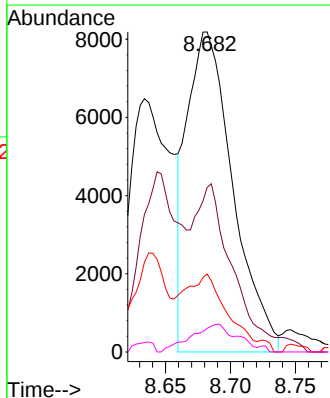
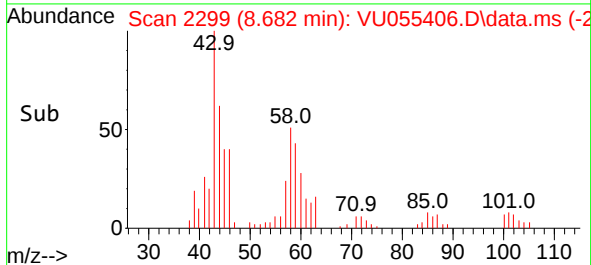
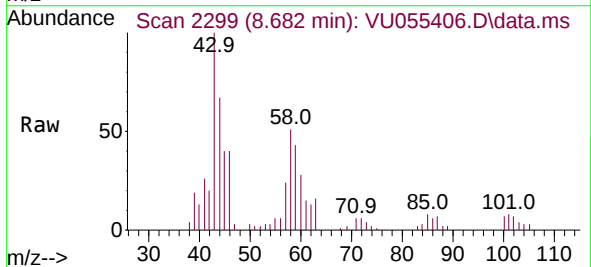


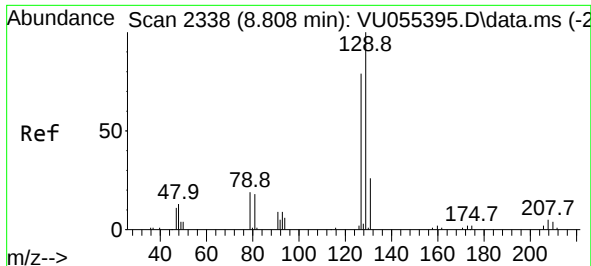
Tgt Ion:164 Resp: 10883
Ion Ratio Lower Upper
164 100
129 98.9 67.4 125.2
131 87.6 66.4 123.2
166 132.5 88.8 165.0



#48
2-Hexanone
Concen: 3.534 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU055406.D
Acq: 19 Sep 2023 21:38

Tgt Ion: 43 Resp: 20184
Ion Ratio Lower Upper
43 100
58 42.7 48.5 72.7#
57 19.4 17.0 25.4
100 8.8 10.3 15.5#





#49

Dibromochloromethane

Concen: 0.983 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.258 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

Instrument :

MSVOA_U

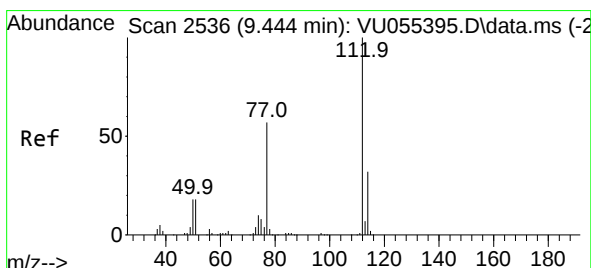
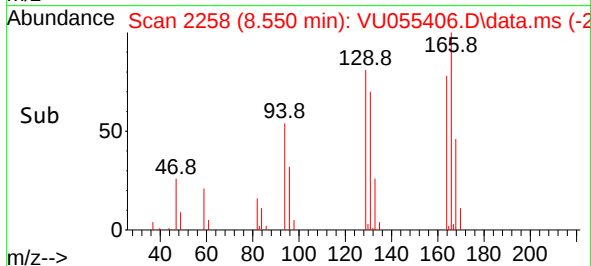
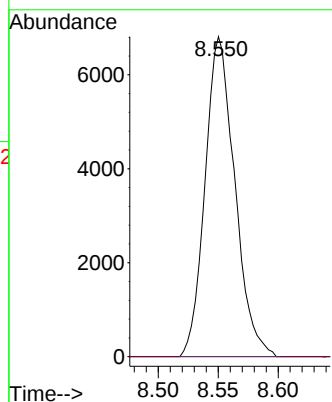
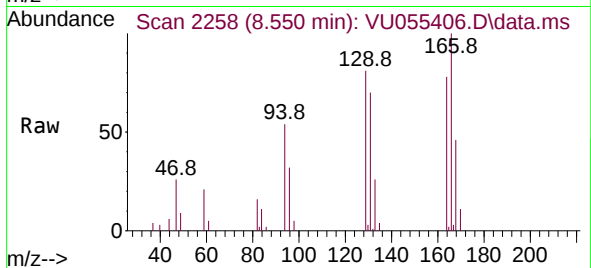
ClientSampleId :

Tgt Ion:129 Resp: 11742

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.6#



#51

Chlorobenzene

Concen: 0.339 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

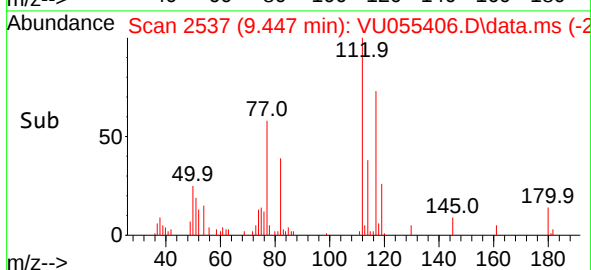
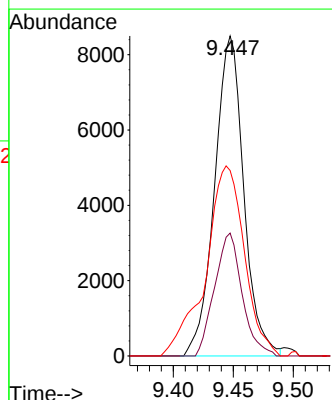
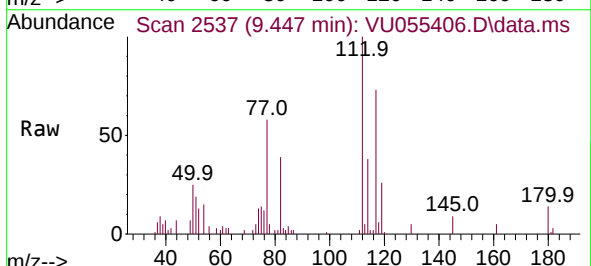
Tgt Ion:112 Resp: 14387

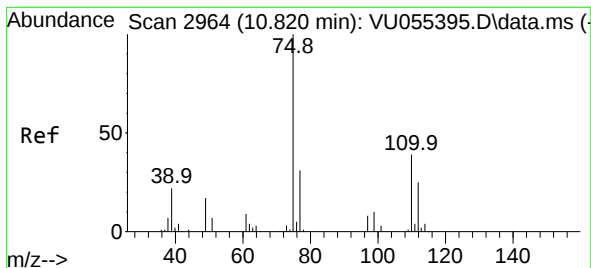
Ion Ratio Lower Upper

112 100

114 36.6 22.0 40.8

77 55.2 46.9 70.3





#61

1,2,3-Trichloropropane

Concen: 0.239 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.926 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

Instrument :

MSVOA_U

ClientSampleId :

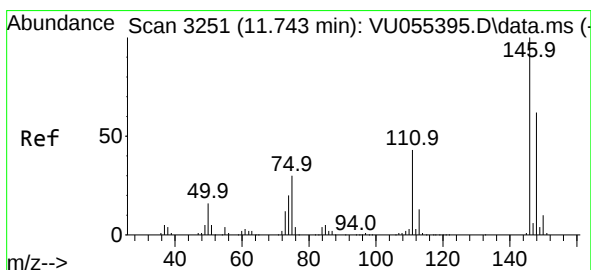
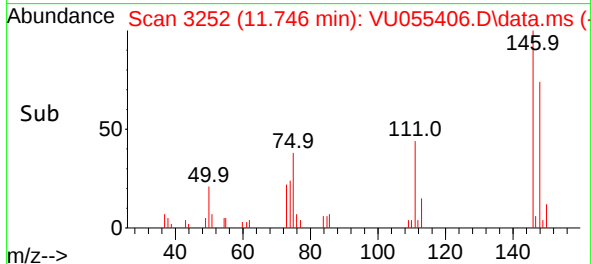
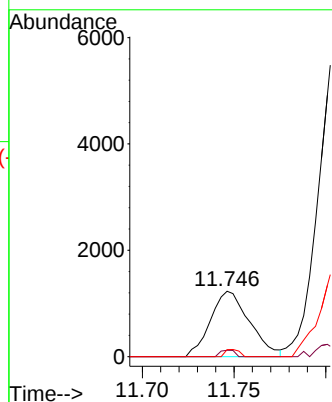
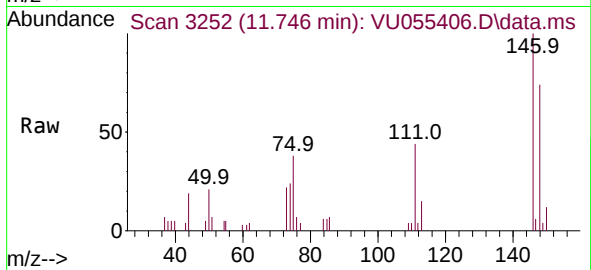
Tgt Ion: 75 Resp: 1821

Ion Ratio Lower Upper

75 100

110 3.6 30.6 45.8#

77 0.0 26.7 40.1#



#64

1,3-Dichlorobenzene

Concen: 0.215 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

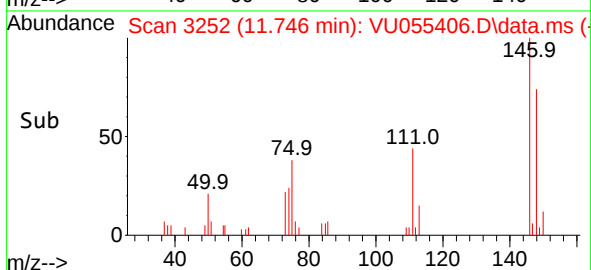
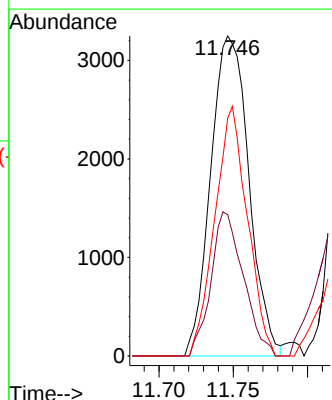
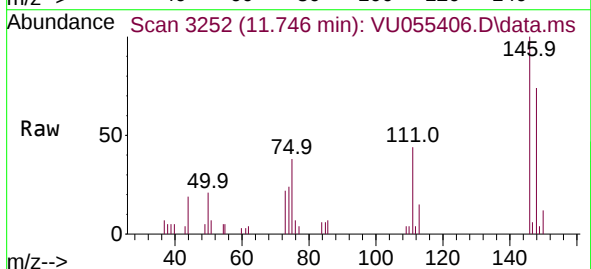
Tgt Ion:146 Resp: 5808

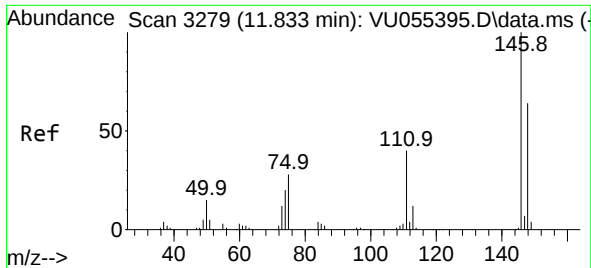
Ion Ratio Lower Upper

146 100

111 44.2 28.8 53.6

148 74.4 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 0.498 ug/L

RT: 11.833 min Scan# 31

Delta R.T. -0.000 min

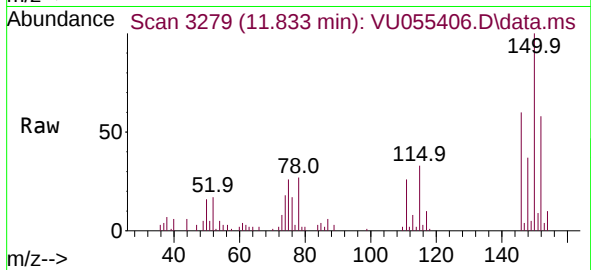
Lab File: VU055406.D

Acq: 19 Sep 2023 21:38

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 13405

Ion Ratio Lower Upper

146 100

111 42.7 29.0 53.8

148 62.0 45.4 84.4

