

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091423\
 Data File : VU055303.D
 Acq On : 14 Sep 2023 12:29
 Operator : MD/SY
 Sample : 04380-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 03:01:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 15 02:53:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	189393	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	193033	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	90839	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74579	8.402	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	168.000%#
7) Chloroethane-d5	1.911	69	39453	3.840	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.800%
11) 1,1-Dichloroethene-d2	2.563	65	16528	3.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.644	46	120370	46.729	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.460%
24) Chloroform-d	5.058	84	99179	4.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.701	65	50494	4.285	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.724	84	183574	3.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.689	67	63101	4.164	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.897	98	148985	3.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	8.184	79	11922	2.857	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	57.200%
46) 2-Hexanone-d5	8.637	63	66516	39.257	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.520%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48440	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	58268	4.395	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.512	50	1748	0.156	ug/L	85
5) Vinyl chloride	1.599	62	6281789	531.457	ug/L	96
8) Chloroethane	1.930	64	1679	0.218	ug/L	93
12) 1,1-Dichloroethene	2.576	96	16066	1.835	ug/L #	75
17) Methyl tert-butyl Ether	3.367	73	10022	0.436	ug/L #	82
18) trans-1,2-Dichloroethene	3.351	96	34551	3.889	ug/L	91
19) 1,1-Dichloroethane	3.865	63	78142	4.070	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	11242635	1033.858	ug/L	92
27) 1,2-Dichloroethane	5.801	62	3450	0.283	ug/L #	94
33) Benzene	5.775	78	10992	0.268	ug/L	100
34) Trichloroethene	6.547	95	4912	0.430	ug/L	92
48) 2-Hexanone	8.688	43	20409	4.084	ug/L #	86
51) Chlorobenzene	9.447	112	15290	0.527	ug/L	97
61) 1,2,3-Trichloropropane	11.746	75	3800	0.630	ug/L #	50
64) 1,3-Dichlorobenzene	11.749	146	11432	0.562	ug/L	97
65) 1,4-Dichlorobenzene	11.839	146	10310	0.509	ug/L	91
67) 1,2-Dichlorobenzene	12.212	146	8969	0.470	ug/L	92
70) 1,2,4-trichlorobenzene	13.843	180	7469	0.518	ug/L #	91

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 15 02:53:52 2023
Response via : Initial Calibration

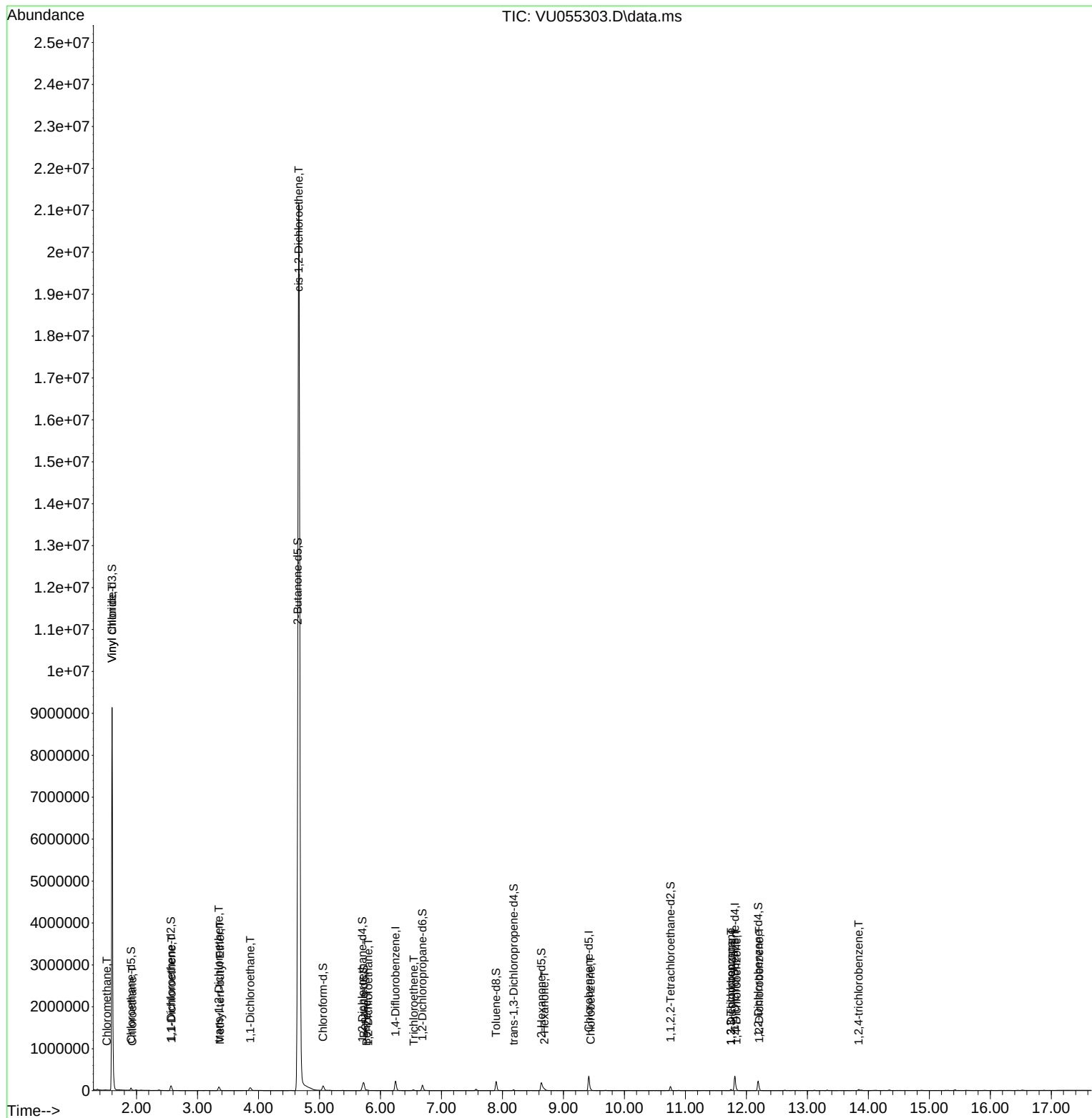
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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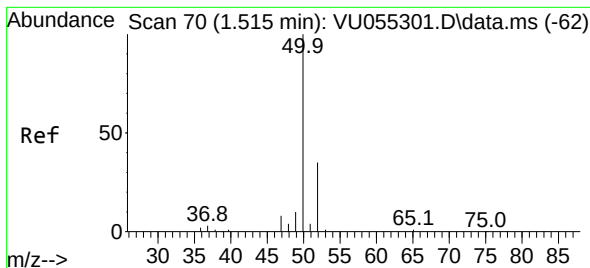
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.156 ug/L

RT: 1.512 min Scan# 69

Delta R.T. -0.003 min

Lab File: VU055303.D

Acq: 14 Sep 2023 12:29

Instrument :

MSVOA_U

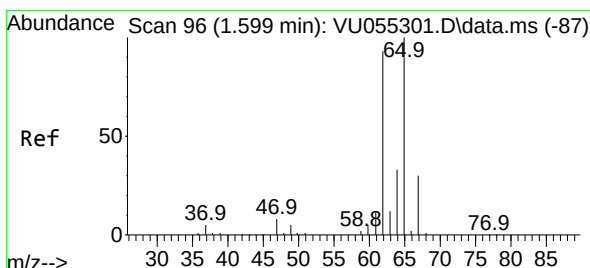
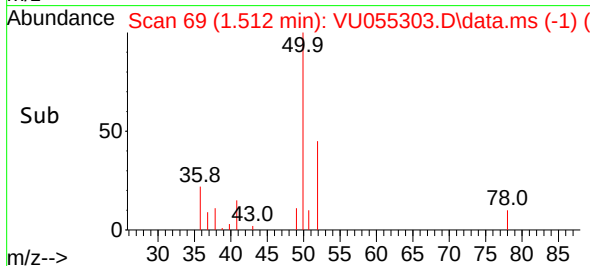
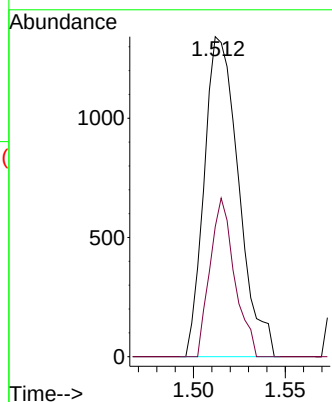
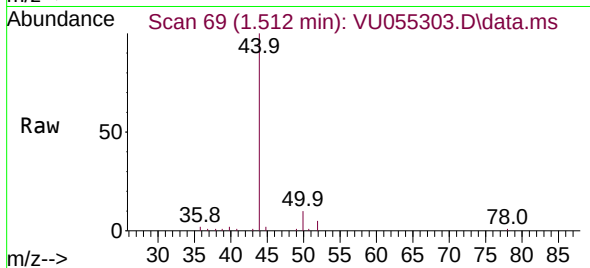
ClientSampleId :

Tgt Ion: 50 Resp: 1748

Ion Ratio Lower Upper

50 100

52 40.6 22.5 41.7



#5

Vinyl chloride

Concen: 531.457 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU055303.D

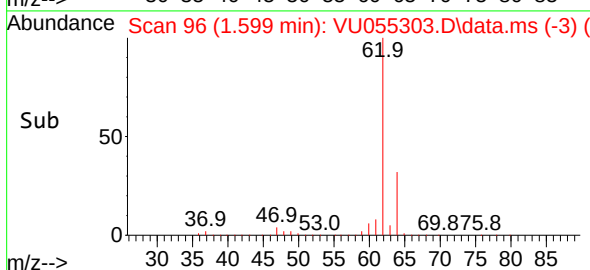
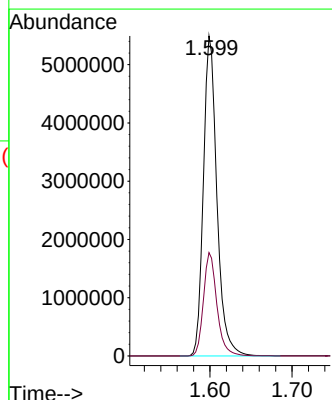
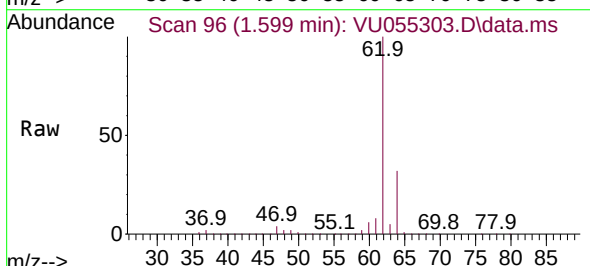
Acq: 14 Sep 2023 12:29

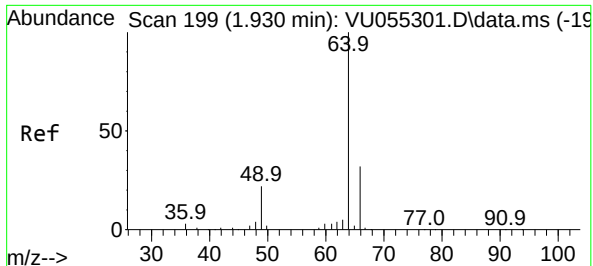
Tgt Ion: 62 Resp: 6281789

Ion Ratio Lower Upper

62 100

64 32.3 24.2 45.0

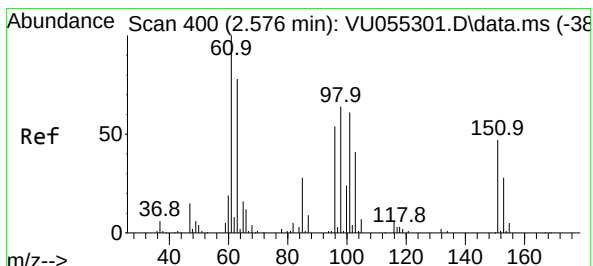
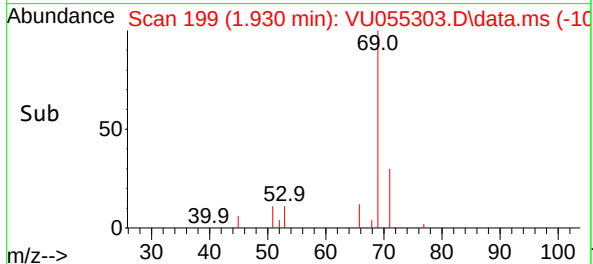
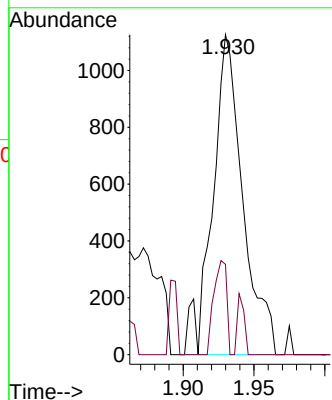
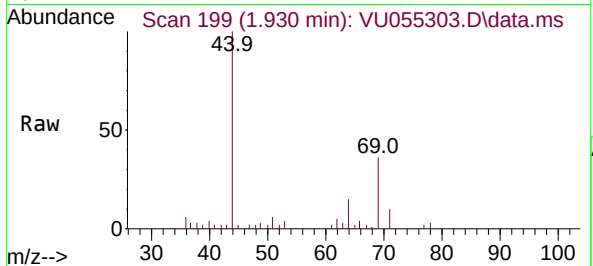




#8
Chloroethane
Concen: 0.218 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

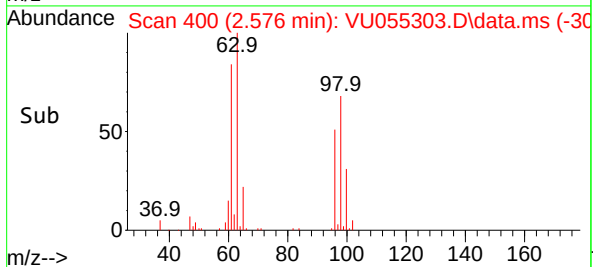
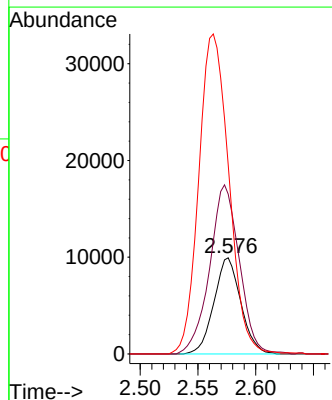
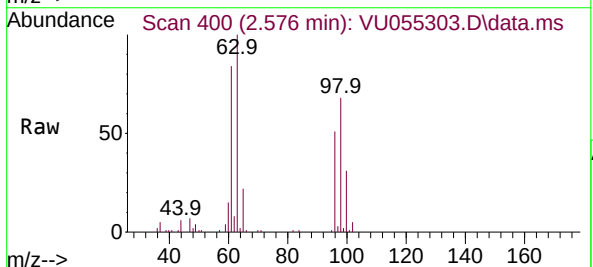
Instrument :
MSVOA_U
ClientSampleId :

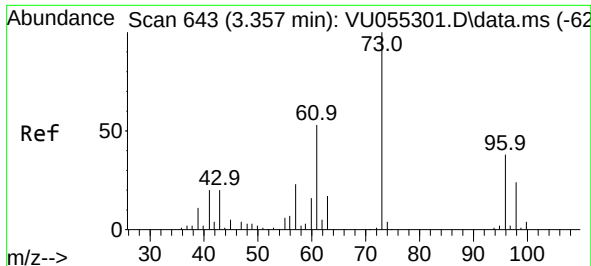
Tgt Ion: 64 Resp: 1679
Ion Ratio Lower Upper
64 100
66 28.2 22.4 41.6



#12
1,1-Dichloroethene
Concen: 1.835 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

Tgt Ion: 96 Resp: 16066
Ion Ratio Lower Upper
96 100
61 166.3 120.8 224.4
63 196.8 94.5 175.5#

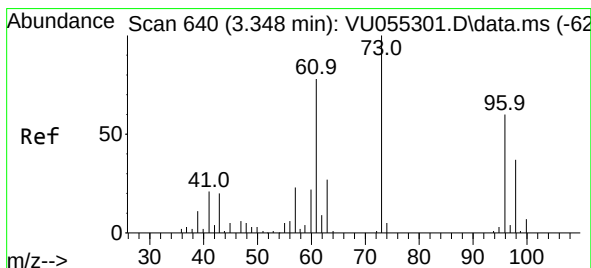
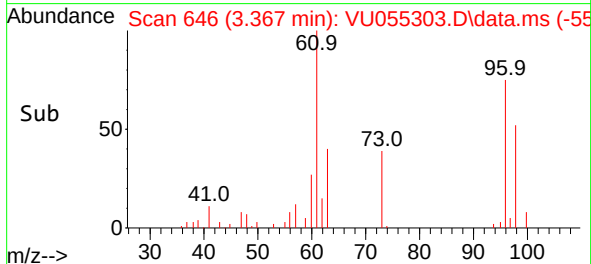
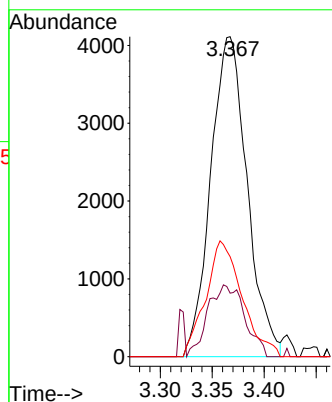
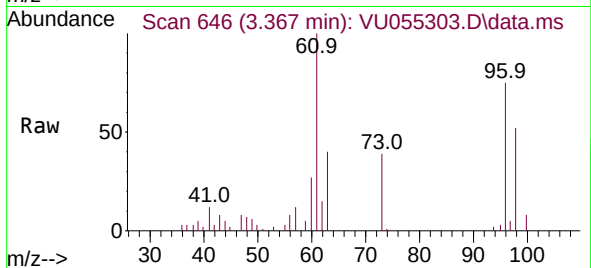




#17
Methyl tert-butyl Ether
Concen: 0.436 ug/L
RT: 3.367 min Scan# 643
Delta R.T. 0.010 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

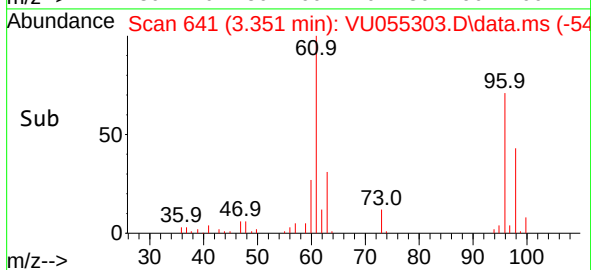
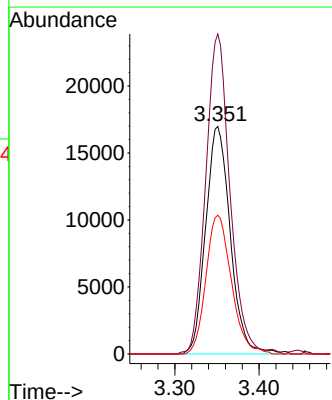
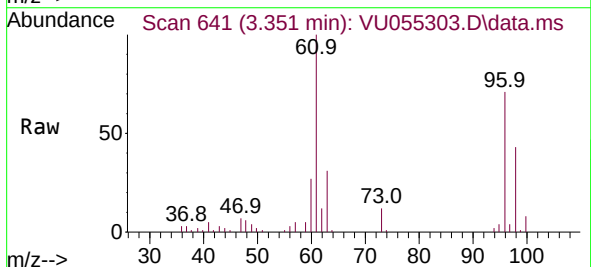
Instrument :
MSVOA_U
ClientSampleId :

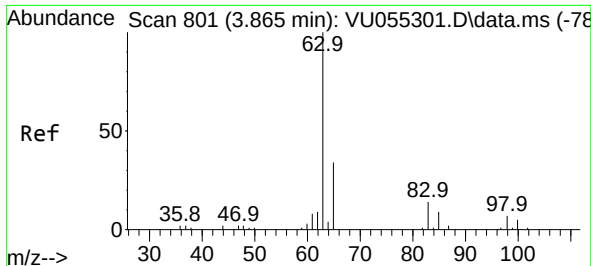
Tgt Ion: 73 Resp: 10022
Ion Ratio Lower Upper
73 100
43 22.5 16.2 24.2
57 36.0 17.4 26.2#



#18
trans-1,2-Dichloroethene
Concen: 3.889 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

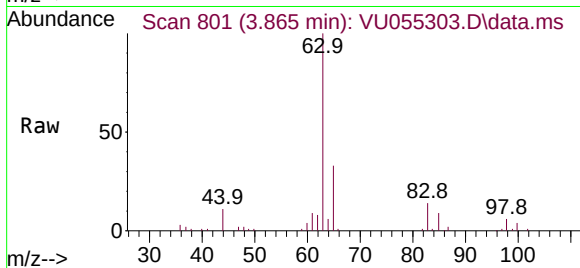
Tgt Ion: 96 Resp: 34551
Ion Ratio Lower Upper
96 100
61 140.6 108.1 200.9
98 61.0 45.4 84.4





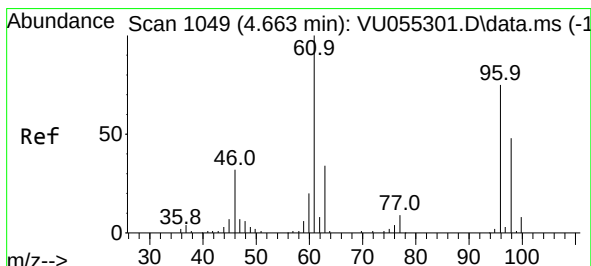
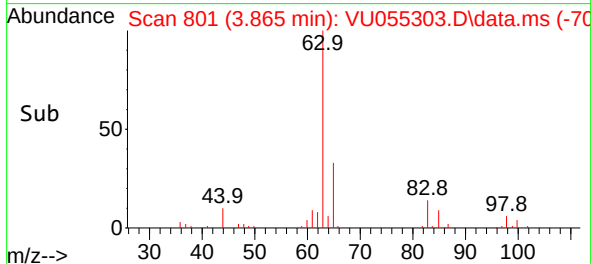
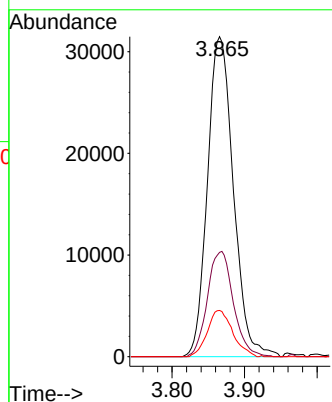
#19
1,1-Dichloroethane
Concen: 4.070 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 63 Resp: 78142

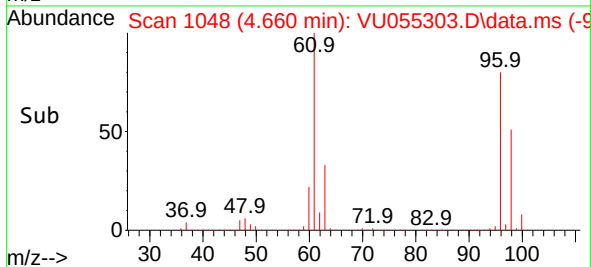
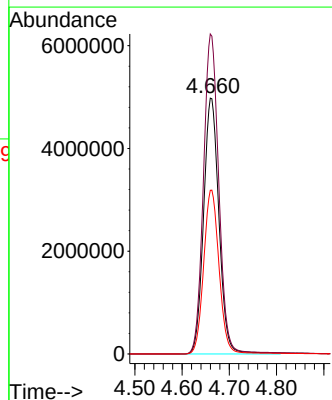
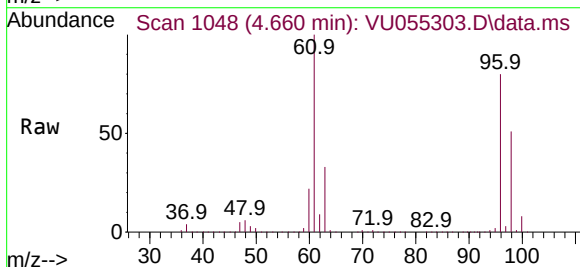
Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.2	41.2
83	14.4	10.6	19.8

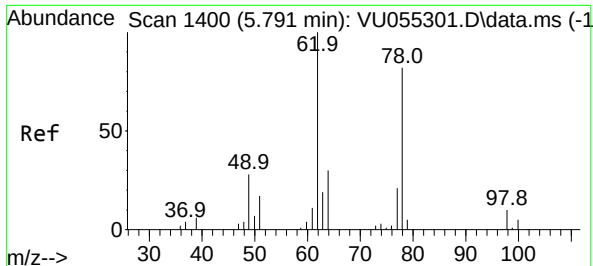


#22
cis-1,2-Dichloroethene
Concen: 1033.858 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

Tgt Ion: 96 Resp:11242635

Ion	Ratio	Lower	Upper
96	100		
61	125.1	97.2	180.4
98	64.0	46.1	85.7

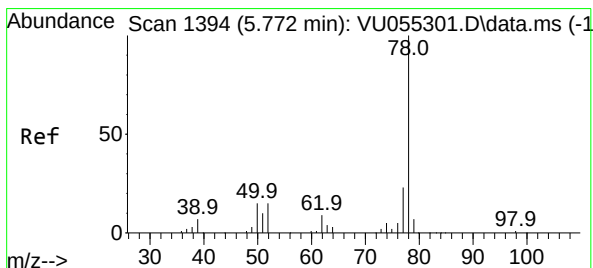
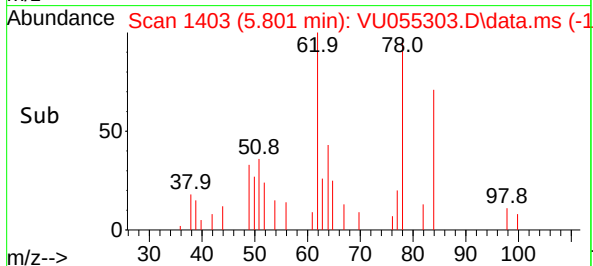
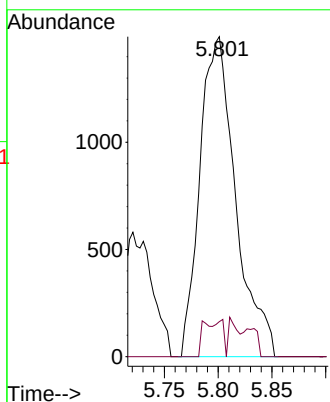
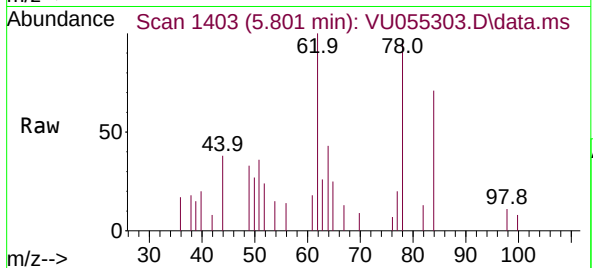




#27
1,2-Dichloroethane
Concen: 0.283 ug/L
RT: 5.801 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

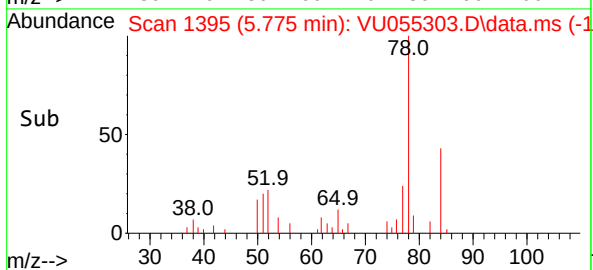
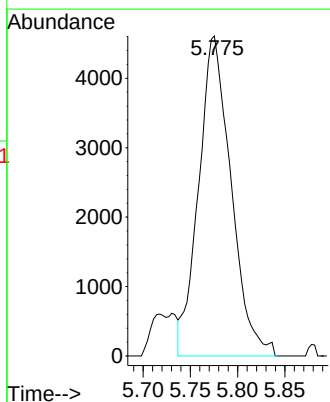
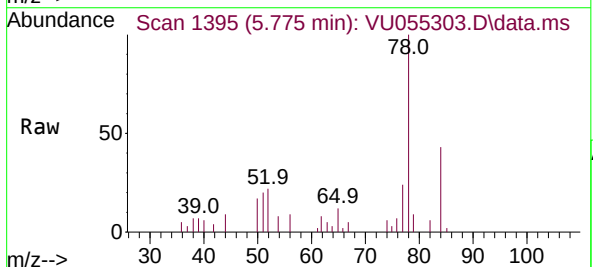
Instrument :
MSVOA_U
ClientSampleId :

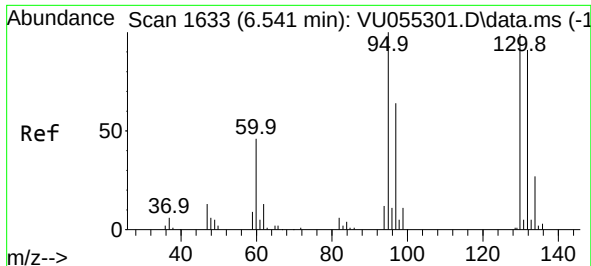
Tgt Ion: 62 Resp: 3450
Ion Ratio Lower Upper
62 100
98 10.9 6.9 10.3#



#33
Benzene
Concen: 0.268 ug/L
RT: 5.775 min Scan# 1395
Delta R.T. 0.003 min
Lab File: VU055303.D
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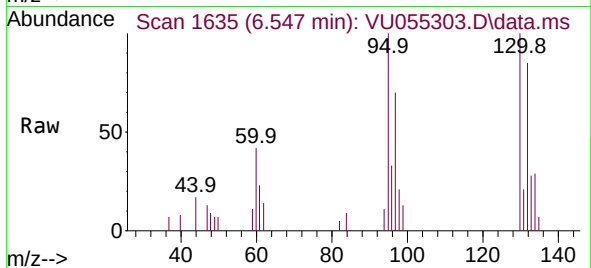
Tgt Ion: 78 Resp: 10992





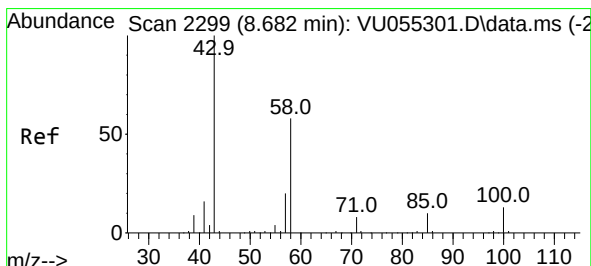
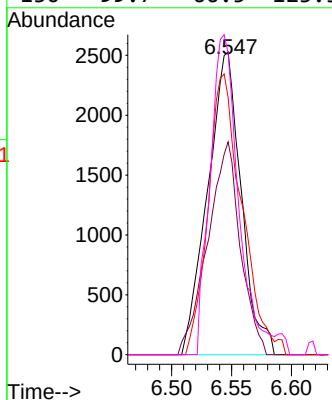
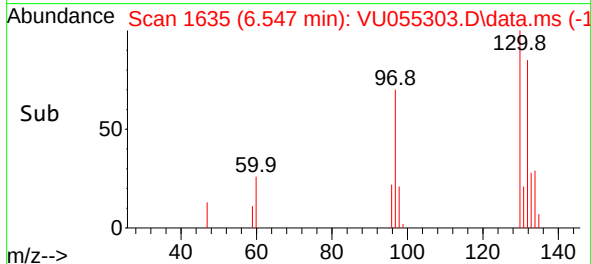
#34
Trichloroethene
Concen: 0.430 ug/L
RT: 6.547 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

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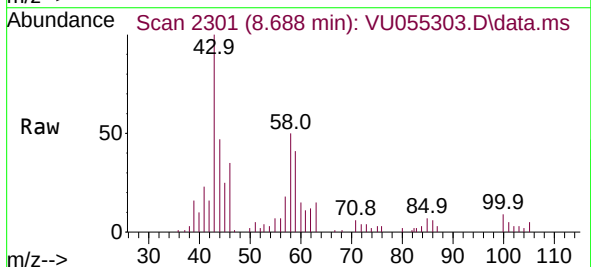


Tgt Ion: 95 Resp: 4912

Ion	Ratio	Lower	Upper
95	100		
97	70.3	44.7	83.1
132	84.9	66.6	123.6
130	99.7	66.5	123.5

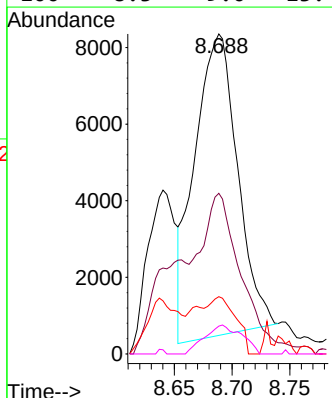
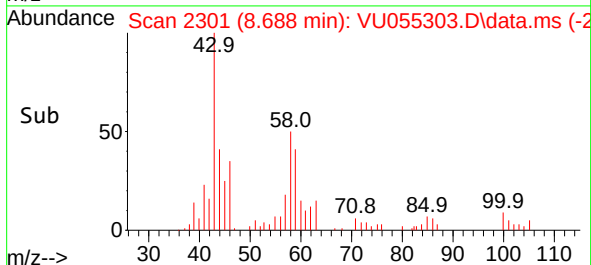


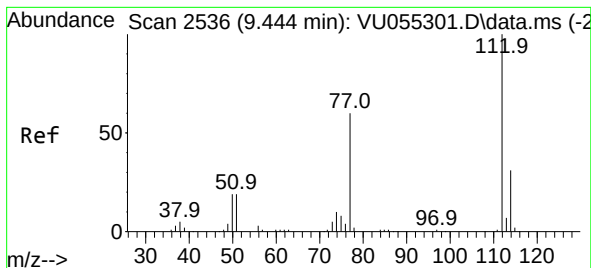
#48
2-Hexanone
Concen: 4.084 ug/L
RT: 8.688 min Scan# 2301
Delta R.T. 0.006 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29



Tgt Ion: 43 Resp: 20409

Ion	Ratio	Lower	Upper
43	100		
58	45.2	44.0	66.0
57	12.1	16.2	24.2#
100	8.3	9.0	13.4#





#51

Chlorobenzene

Concen: 0.527 ug/L

RT: 9.447 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055303.D

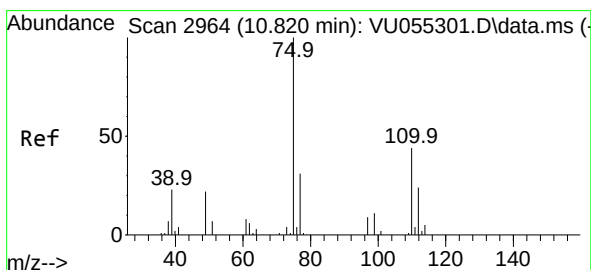
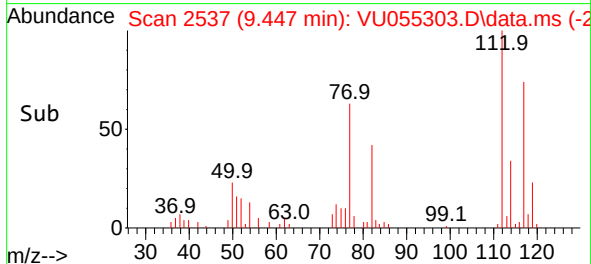
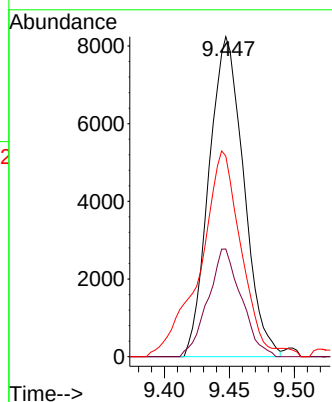
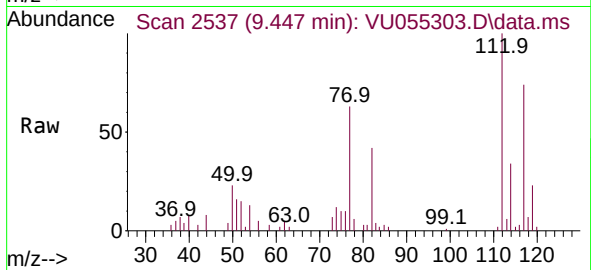
Acq: 14 Sep 2023 12:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	112	Resp:	15290
Ion Ratio	Lower	Upper	
112	100		
114	33.6	21.7	40.3
77	62.7	48.6	72.8



#61

1,2,3-Trichloropropane

Concen: 0.630 ug/L

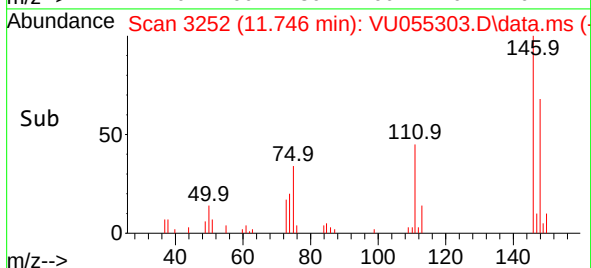
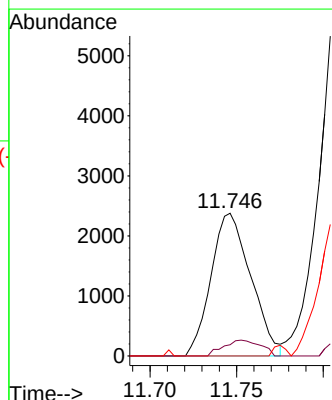
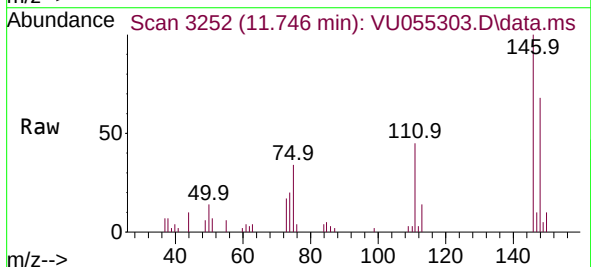
RT: 11.746 min Scan# 3252

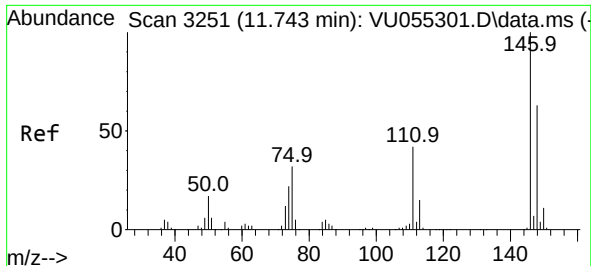
Delta R.T. 0.926 min

Lab File: VU055303.D

Acq: 14 Sep 2023 12:29

Tgt Ion:	75	Resp:	3800
Ion Ratio	Lower	Upper	
75	100		
110	10.3	28.2	42.2#
77	0.0	26.2	39.4#

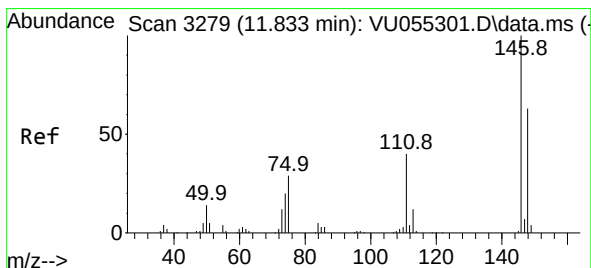
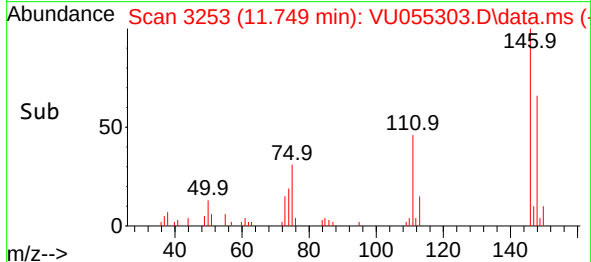
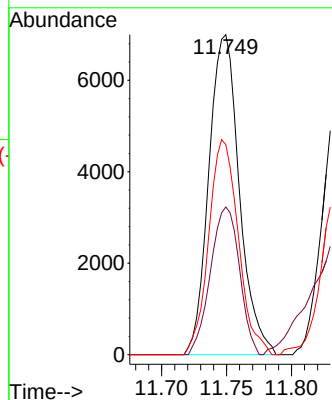
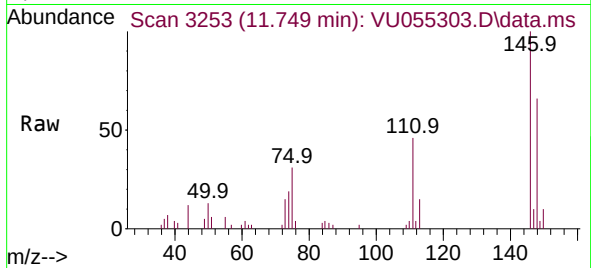




#64
1,3-Dichlorobenzene
Concen: 0.562 ug/L
RT: 11.749 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

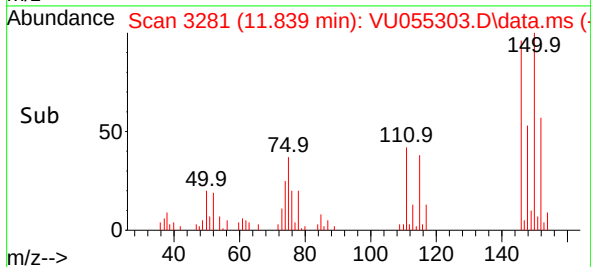
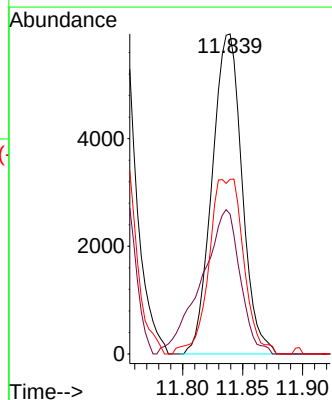
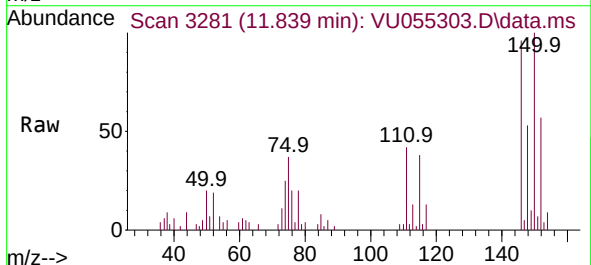
Instrument :
MSVOA_U
ClientSampleId :

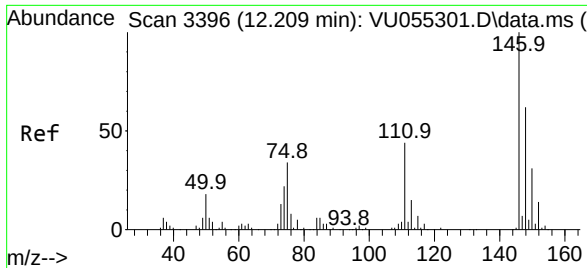
Tgt Ion:146 Resp: 11432
Ion Ratio Lower Upper
146 100
111 46.2 30.0 55.6
148 65.7 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 0.509 ug/L
RT: 11.839 min Scan# 3281
Delta R.T. 0.006 min
Lab File: VU055303.D
Acq: 14 Sep 2023 12:29

Tgt Ion:146 Resp: 10310
Ion Ratio Lower Upper
146 100
111 43.7 28.1 52.1
148 54.6 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.470 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055303.D

Acq: 14 Sep 2023 12:29

Instrument :

MSVOA_U

ClientSampleId :

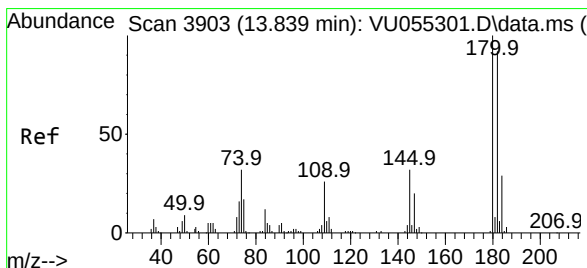
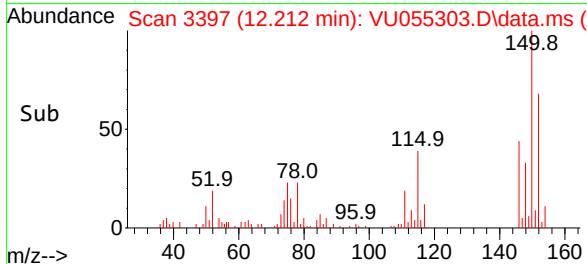
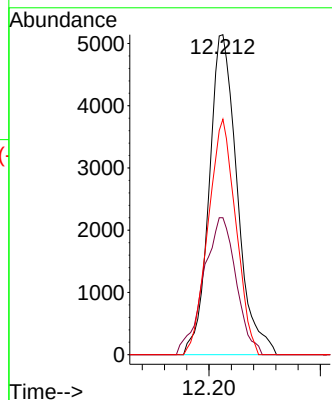
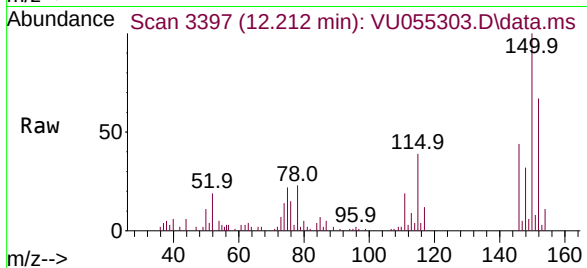
Tgt Ion:146 Resp: 8969

Ion Ratio Lower Upper

146 100

111 42.8 35.6 53.4

148 73.6 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 0.518 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055303.D

Acq: 14 Sep 2023 12:29

Tgt Ion:180 Resp: 7469

Ion Ratio Lower Upper

180 100

182 93.7 73.6 110.4

145 48.1 25.8 38.8#

