

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055611.D
 Acq On : 02 Oct 2023 17:52
 Operator : MD/SY
 Sample : 04679-26 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 04:58:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	151003	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	162149	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	82738	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63856	4.184	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.914	69	67856	5.045	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.566	65	25051	3.988	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	4.634	46	153614	55.725	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.460%
24) Chloroform-d	5.058	84	131835	4.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.701	65	69329	5.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.727	84	245781	4.333	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.689	67	79740	4.706	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.897	98	200054	3.870	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.180	79	25971	4.367	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.634	63	87717	48.493	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	64979	5.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	76940	4.607	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	6054	0.434	ug/L #	77
12) 1,1-Dichloroethene	2.573	96	1633	0.155	ug/L #	1
16) Methylene chloride	3.046	84	12286	0.971	ug/L	95
18) trans-1,2-Dichloroethene	3.357	96	6445	0.606	ug/L	92
19) 1,1-Dichloroethane	3.869	63	22042	1.120	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	55885	4.530	ug/L	97
33) Benzene	5.772	78	9637	0.206	ug/L	100
35) Methylcyclohexane	6.689	83	19137	1.006	ug/L #	20
37) 1,2-Dichloropropane	6.692	63	9437	0.773	ug/L #	88
48) 2-Hexanone	8.685	43	17349	4.043	ug/L #	71
51) Chlorobenzene	9.444	112	69774	2.188	ug/L	98
61) 1,2,3-Trichloropropane	11.743	75	32178	4.982	ug/L #	48
64) 1,3-Dichlorobenzene	11.743	146	95155	4.168	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	475296	20.830	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	7674	0.367	ug/L	97
69) 1,3,5-Trichlorobenzene	13.846	180	7616	0.484	ug/L	95
70) 1,2,4-trichlorobenzene	13.846	180	7703	0.643	ug/L	94

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ALS Vial : 19 Sample Multiplier: 1

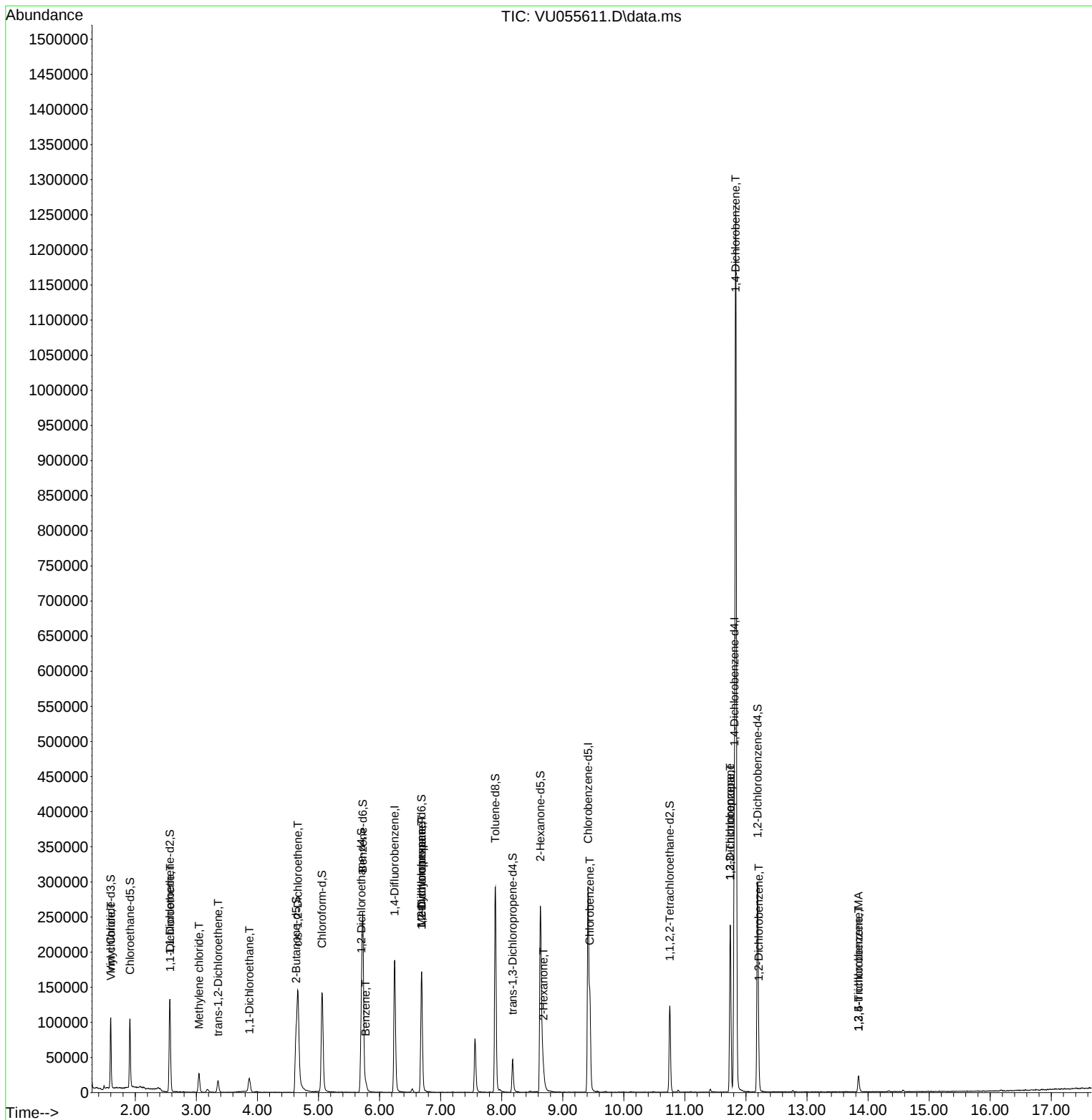
Instrument :
MSVOA_U
ClientSampleId :

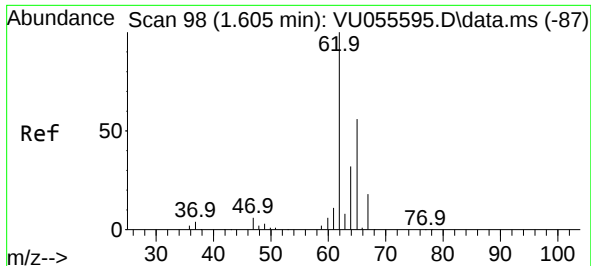
Quant Time: Oct 03 04:58:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

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

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

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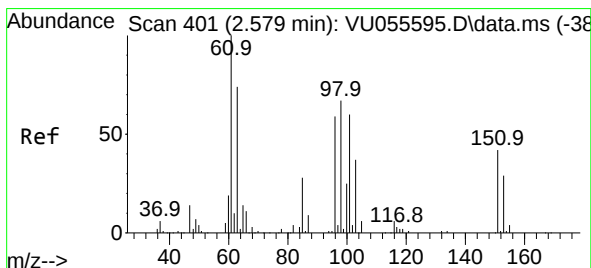
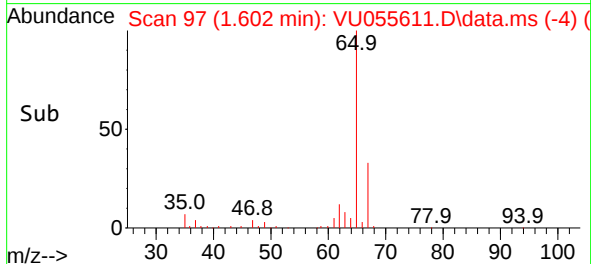
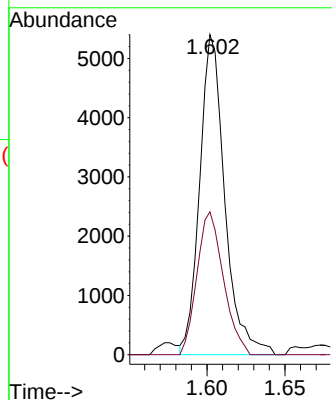
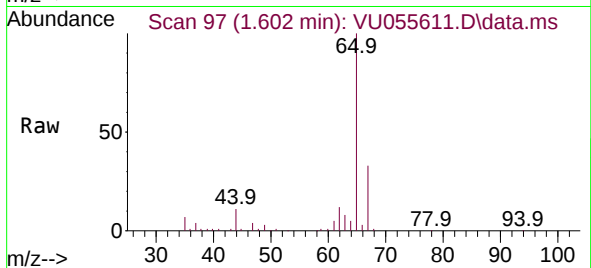




#5
 Vinyl chloride
 Concen: 0.434 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055611.D
 Acq: 02 Oct 2023 17:52

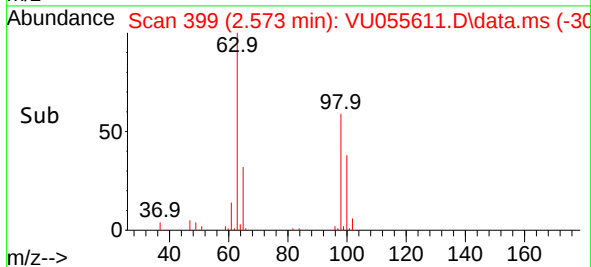
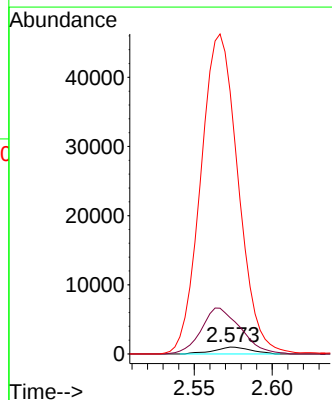
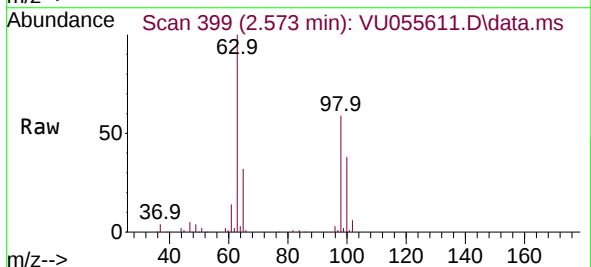
Instrument :
 MSVOA_U
 ClientSampleId :

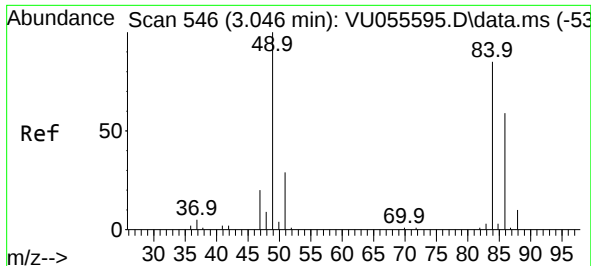
Tgt Ion: 62 Resp: 6054
 Ion Ratio Lower Upper
 62 100
 64 44.7 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 0.155 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.004 min
 Lab File: VU055611.D
 Acq: 02 Oct 2023 17:52

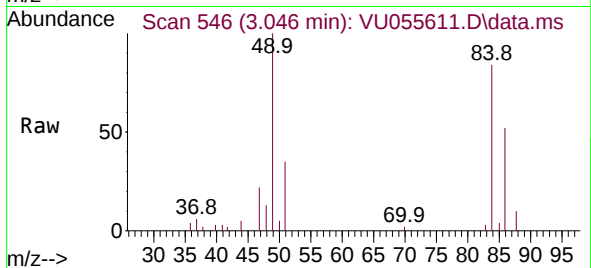
Tgt Ion: 96 Resp: 1633
 Ion Ratio Lower Upper
 96 100
 61 524.4 114.5 212.7#
 63 3786.2 98.3 182.5#



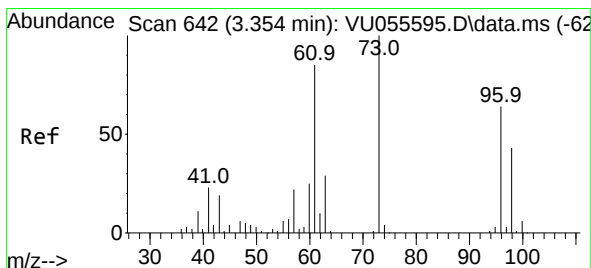
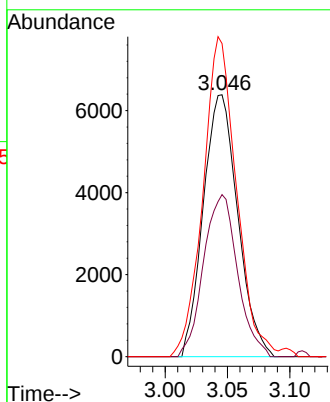
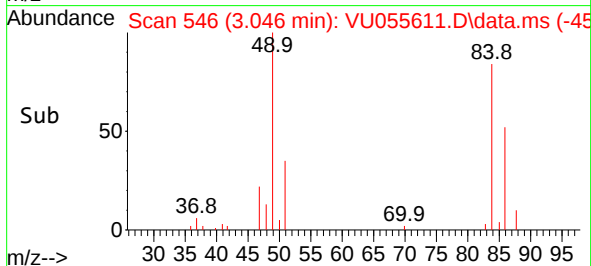


#16
Methylene chloride
Concen: 0.971 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

Instrument :
MSVOA_U
ClientSampleId :

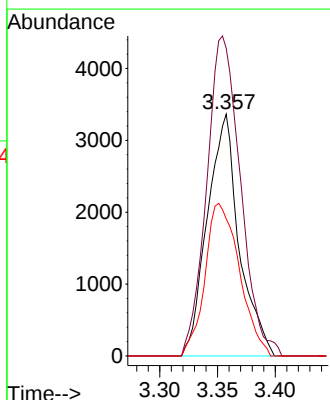
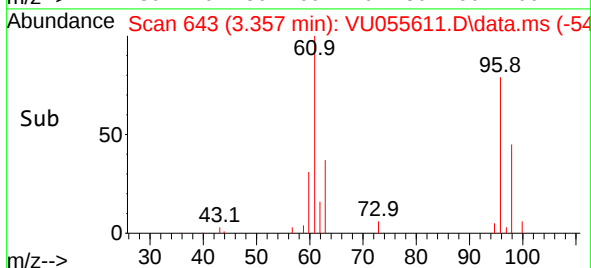
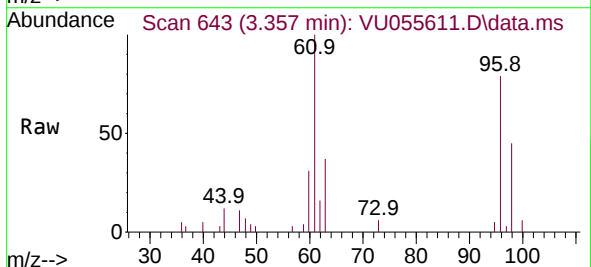


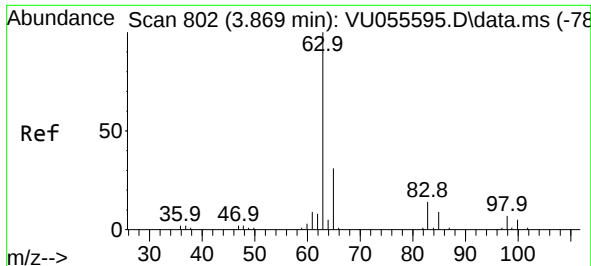
Tgt Ion: 84 Resp: 12286
Ion Ratio Lower Upper
84 100
86 61.9 44.9 83.3
49 119.5 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.606 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

Tgt Ion: 96 Resp: 6445
Ion Ratio Lower Upper
96 100
61 127.3 94.6 175.6
98 56.7 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.120 ug/L

RT: 3.869 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055611.D

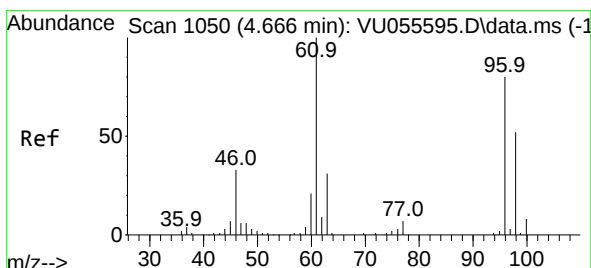
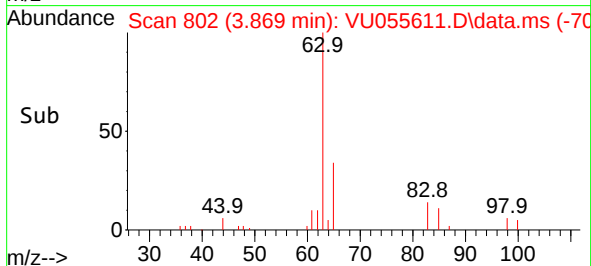
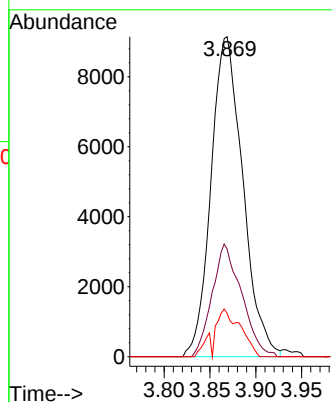
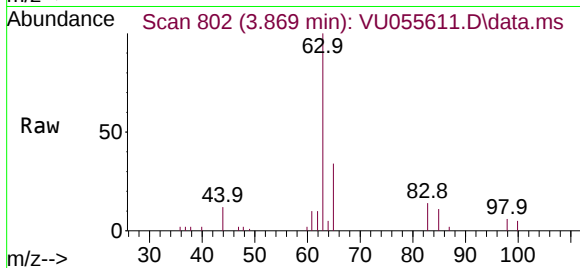
Acq: 02 Oct 2023 17:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	22042
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.0	41.0
83	13.6	10.1	18.9



#22

cis-1,2-Dichloroethene

Concen: 4.530 ug/L

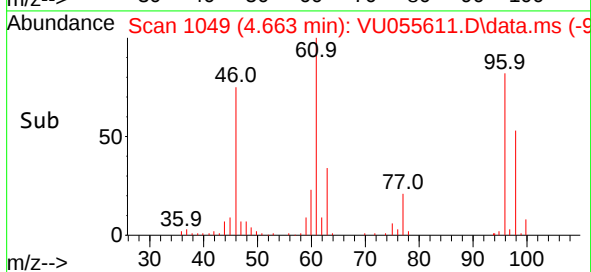
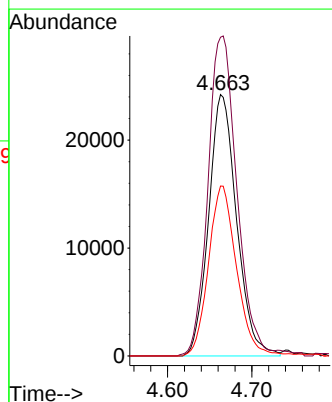
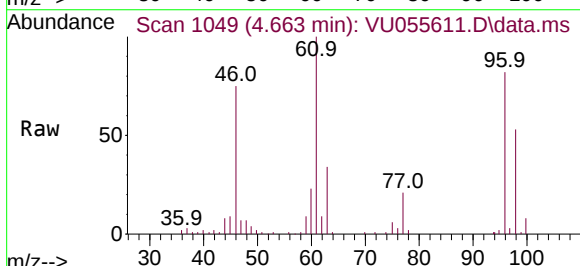
RT: 4.663 min Scan# 1049

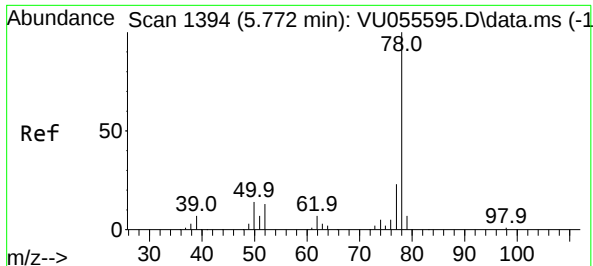
Delta R.T. -0.000 min

Lab File: VU055611.D

Acq: 02 Oct 2023 17:52

Tgt Ion:	96	Resp:	55885
Ion	Ratio	Lower	Upper
96	100		
61	121.9	87.8	163.2
98	65.0	44.4	82.4

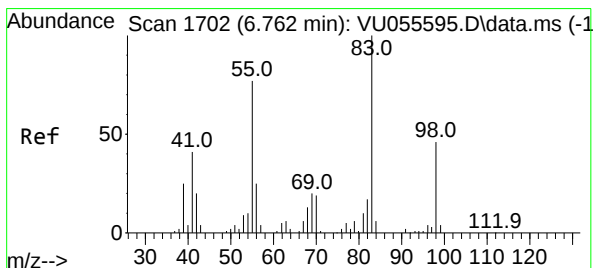
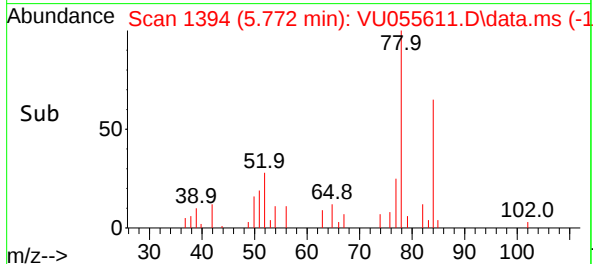
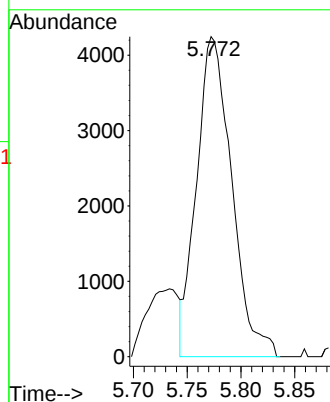
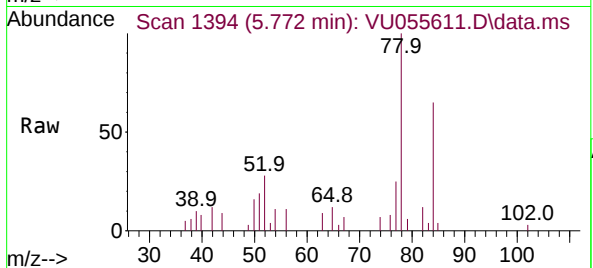




#33
Benzene
Concen: 0.206 ug/L
RT: 5.772 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

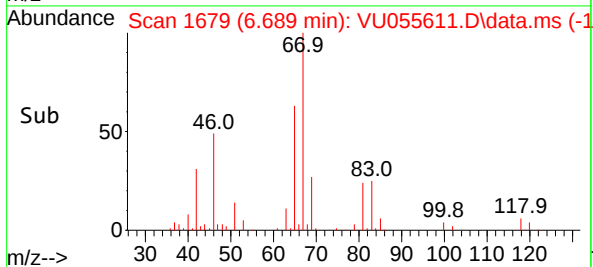
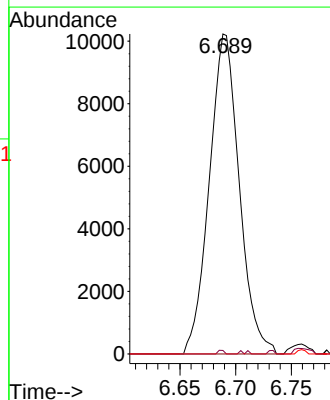
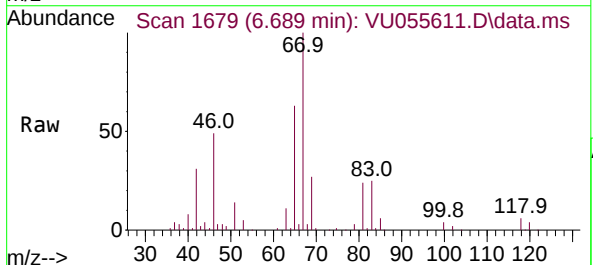
Instrument :
MSVOA_U
ClientSampleId :

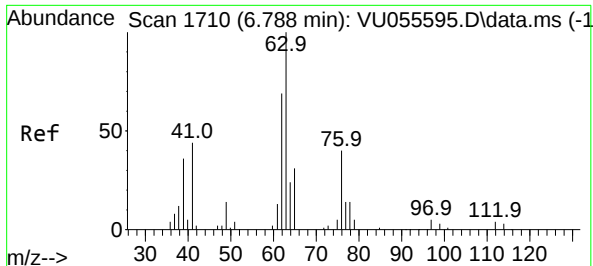
Tgt Ion: 78 Resp: 9637



#35
Methylcyclohexane
Concen: 1.006 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

Tgt Ion: 83 Resp: 19137
Ion Ratio Lower Upper
83 100
55 0.2 59.1 88.7#
98 1.3 36.3 54.5#





#37

1,2-Dichloropropane

Concen: 0.773 ug/L

RT: 6.692 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU055611.D

Acq: 02 Oct 2023 17:52

Instrument :

MSVOA_U

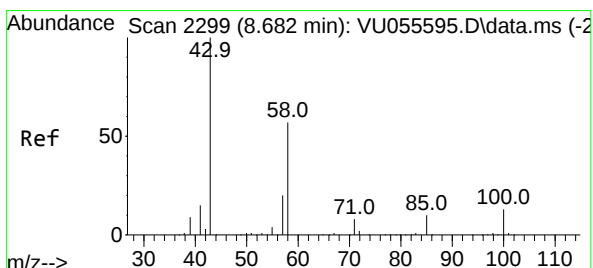
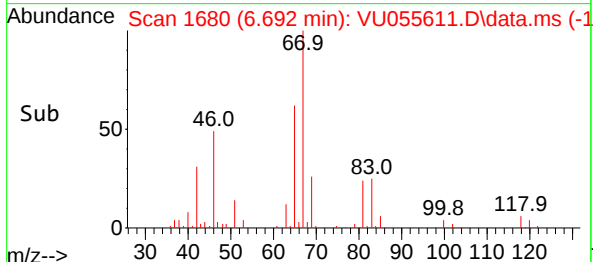
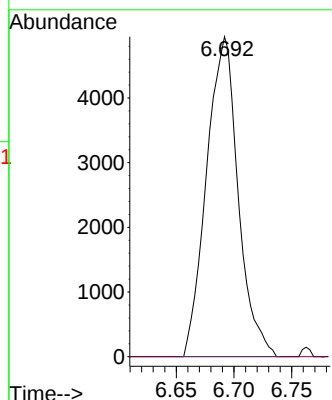
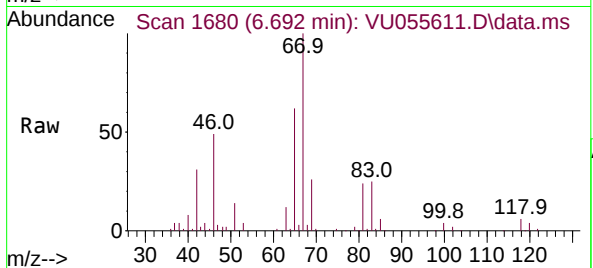
ClientSampleId :

Tgt Ion: 63 Resp: 9437

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#48

2-Hexanone

Concen: 4.043 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055611.D

Acq: 02 Oct 2023 17:52

Tgt Ion: 43 Resp: 17349

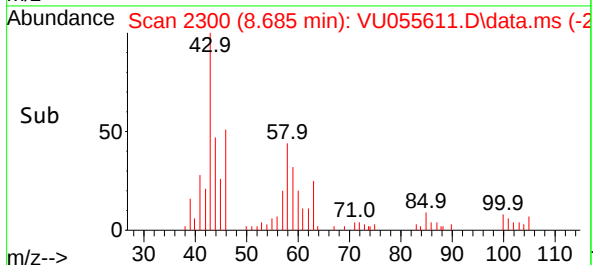
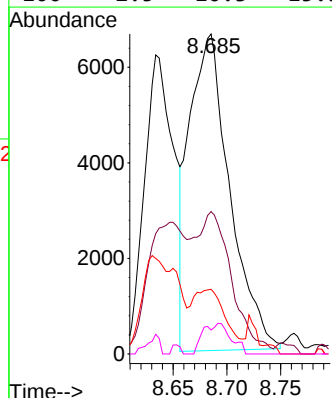
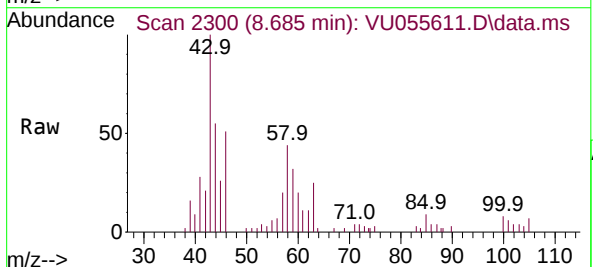
Ion Ratio Lower Upper

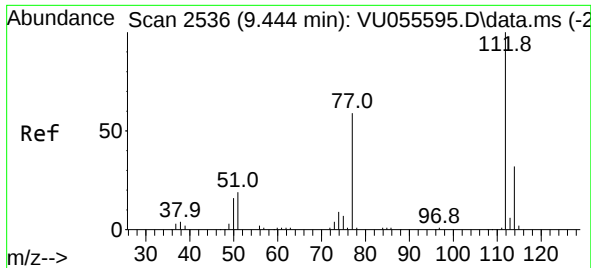
43 100

58 34.2 48.5 72.7#

57 14.8 17.0 25.4#

100 2.5 10.3 15.5#

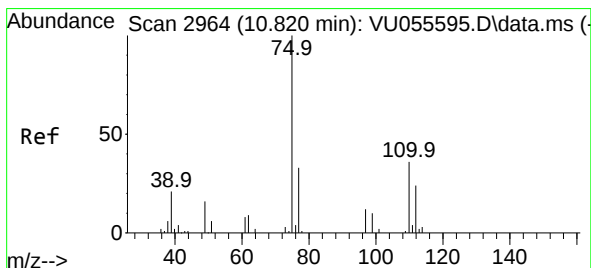
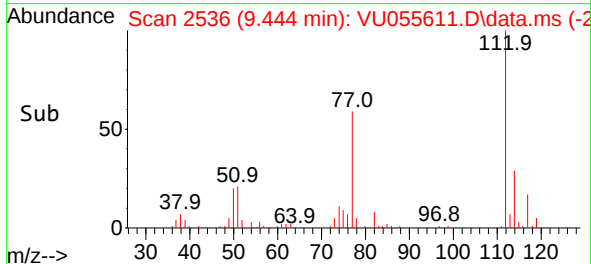
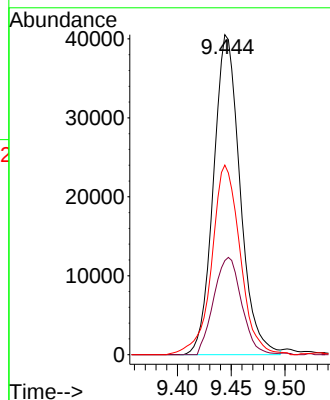
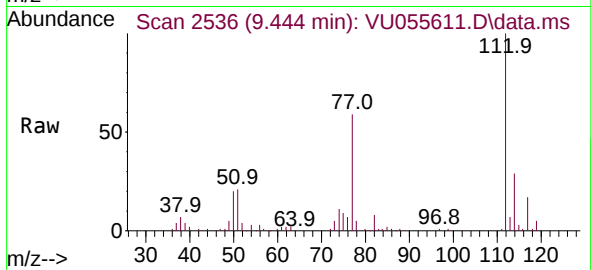




#51
Chlorobenzene
Concen: 2.188 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

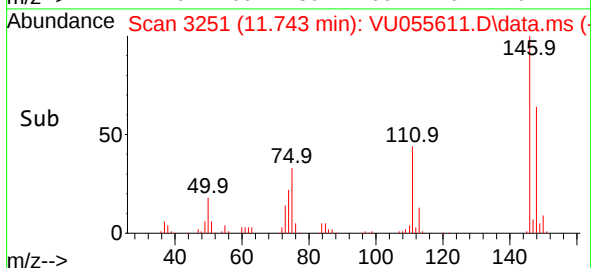
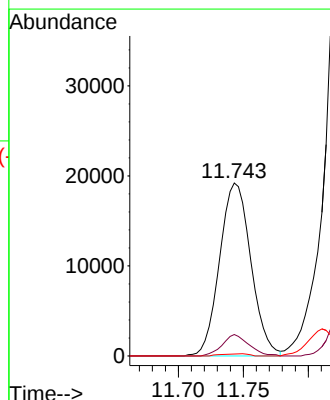
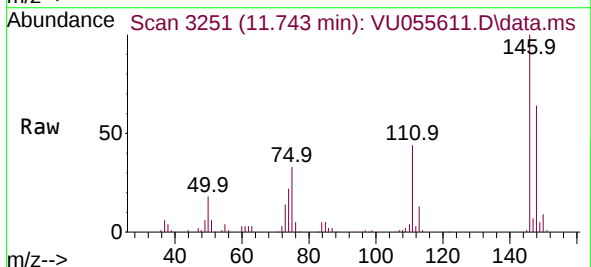
Instrument :
MSVOA_U
ClientSampleId :

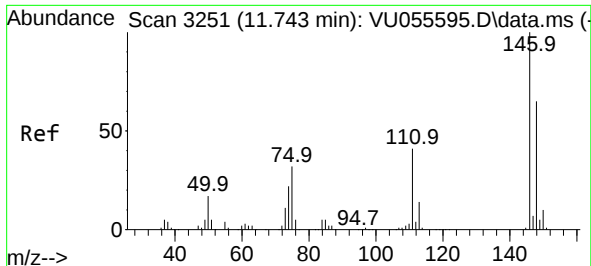
Tgt Ion:112 Resp: 69774
Ion Ratio Lower Upper
112 100
114 29.4 22.0 40.8
77 59.3 46.9 70.3



#61
1,2,3-Trichloropropane
Concen: 4.982 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.922 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

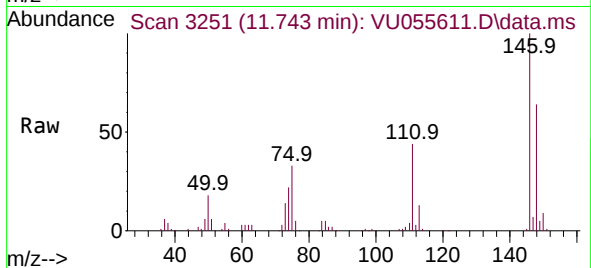
Tgt Ion: 75 Resp: 32178
Ion Ratio Lower Upper
75 100
110 10.5 30.6 45.8#
77 0.0 26.7 40.1#



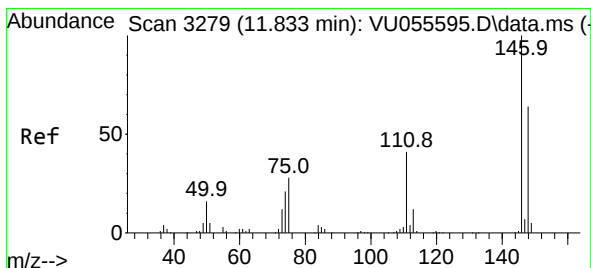
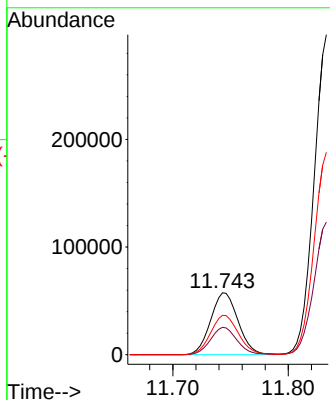
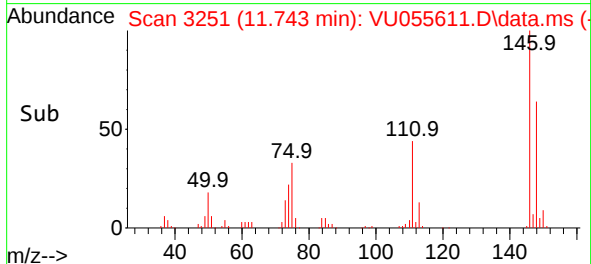


#64
1,3-Dichlorobenzene
Concen: 4.168 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52

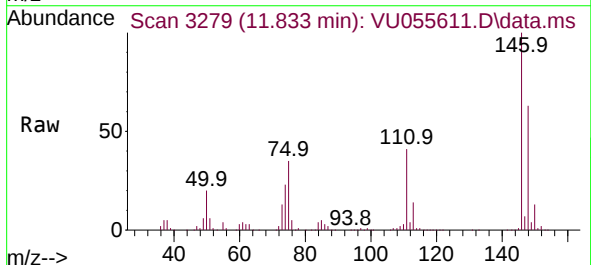
Instrument :
MSVOA_U
ClientSampleId :



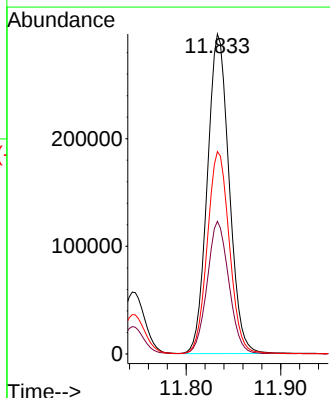
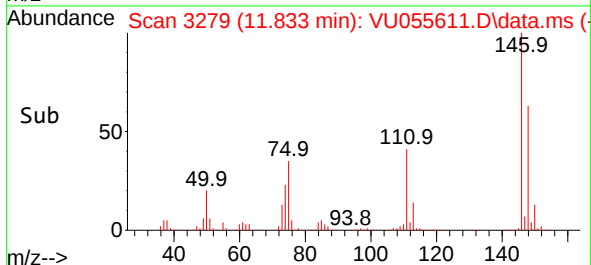
Tgt Ion:146 Resp: 95155
Ion Ratio Lower Upper
146 100
111 44.2 28.8 53.6
148 63.6 44.6 82.8

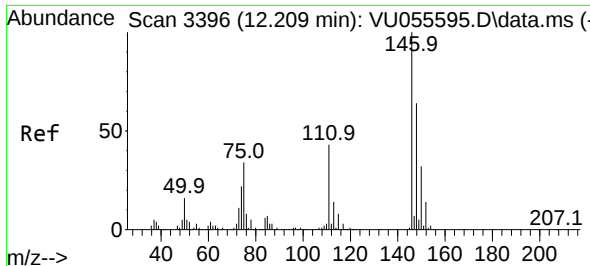


#65
1,4-Dichlorobenzene
Concen: 20.830 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055611.D
Acq: 02 Oct 2023 17:52



Tgt Ion:146 Resp: 475296
Ion Ratio Lower Upper
146 100
111 41.5 29.0 53.8
148 63.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.367 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

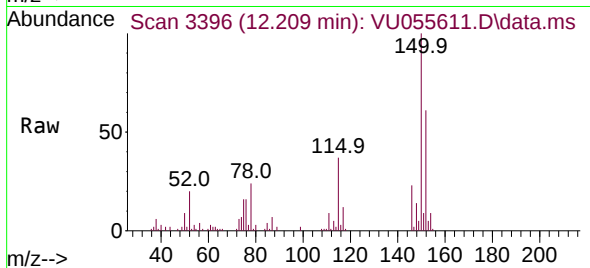
Lab File: VU055611.D

Acq: 02 Oct 2023 17:52

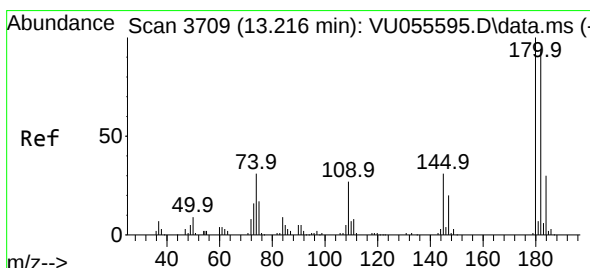
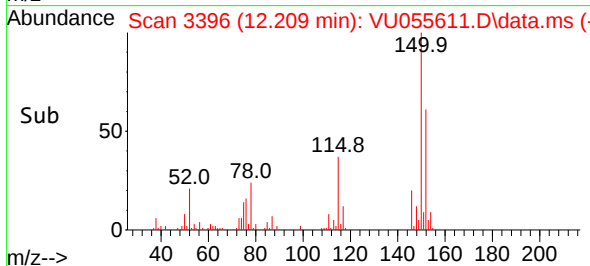
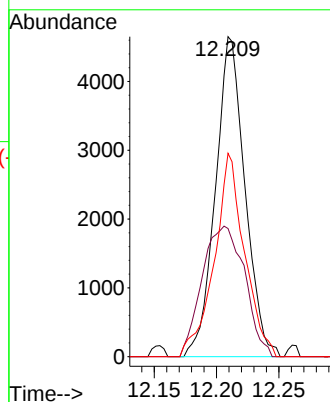
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	7674
Ion Ratio	Lower	Upper	
146	100		
111	45.9	34.6	52.0
148	63.5	51.8	77.8



#69

1,3,5-Trichlorobenzene

Concen: 0.484 ug/L

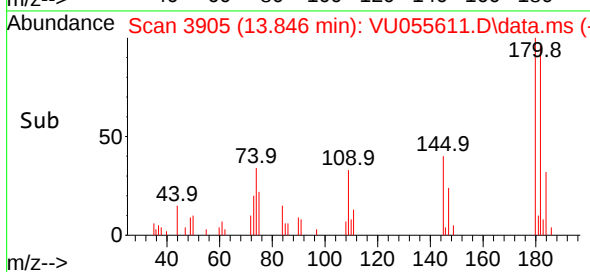
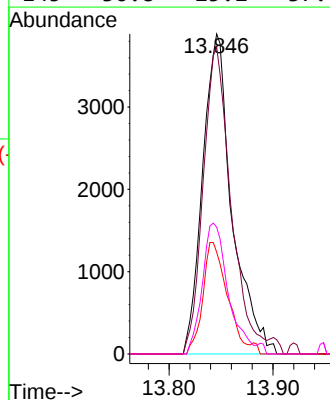
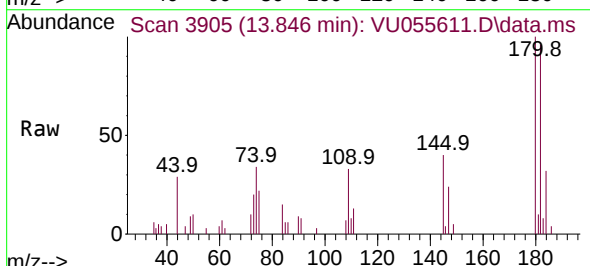
RT: 13.846 min Scan# 3905

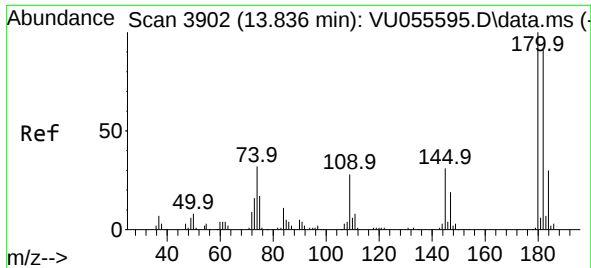
Delta R.T. 0.630 min

Lab File: VU055611.D

Acq: 02 Oct 2023 17:52

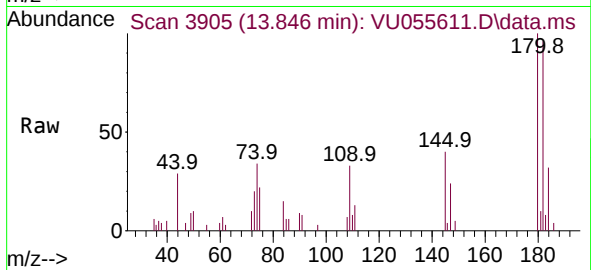
Tgt Ion:	180	Resp:	7616
Ion Ratio	Lower	Upper	
180	100		
182	90.9	77.1	115.7
184	29.8	24.0	36.0
145	36.8	25.2	37.8





#70
 1,2,4-trichlorobenzene
 Concen: 0.643 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.009 min
 Lab File: VU055611.D
 Acq: 02 Oct 2023 17:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	7703
Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.4	114.6
145	36.3	25.4	38.0

