

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057114.D
 Acq On : 21 Dec 2023 00:32
 Operator : MD/SY
 Sample : 05894-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 05:02:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	190670	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	192533	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	87021	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53947	3.301	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.911	69	46306	3.786	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.563	65	25214	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.624	46	129749	40.200	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.400%
24) Chloroform-d	5.055	84	131581	4.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.695	65	64984	4.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.721	84	231798	3.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.682	67	72980	3.904	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.891	98	199532	3.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	8.174	79	27103	3.739	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.631	63	103016	37.681	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.360%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	55840	4.129	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	72871	4.260	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	41536	2.129	ug/L	89
12) 1,1-Dichloroethene	2.576	96	10034	0.648	ug/L #	1
19) 1,1-Dichloroethane	3.859	63	325683	10.787	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	304655	17.842	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	293003	10.528	ug/L	99
31) Carbon tetrachloride	5.309	117	35402	1.464	ug/L	97
33) Benzene	5.772	78	8374	0.124	ug/L	100
34) Trichloroethene	6.534	95	743593	40.062	ug/L	99
35) Methylcyclohexane	6.685	83	18525	0.676	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	7905	0.457	ug/L #	90
47) Tetrachloroethene	8.547	164	4695	0.361	ug/L	95
48) 2-Hexanone	8.631	43	13083	2.235	ug/L #	78
49) Dibromochloromethane	8.544	129	5459	0.406	ug/L #	11
51) Chlorobenzene	9.441	112	623617	13.975	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	2200	0.156	ug/L #	84
61) 1,2,3-Trichloropropane	11.807	75	18050	1.932	ug/L #	42
64) 1,3-Dichlorobenzene	11.746	146	3501	0.108	ug/L	84
65) 1,4-Dichlorobenzene	11.830	146	24536	0.766	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	30711	1.037	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 21 01:34:13 2023
Response via : Initial Calibration

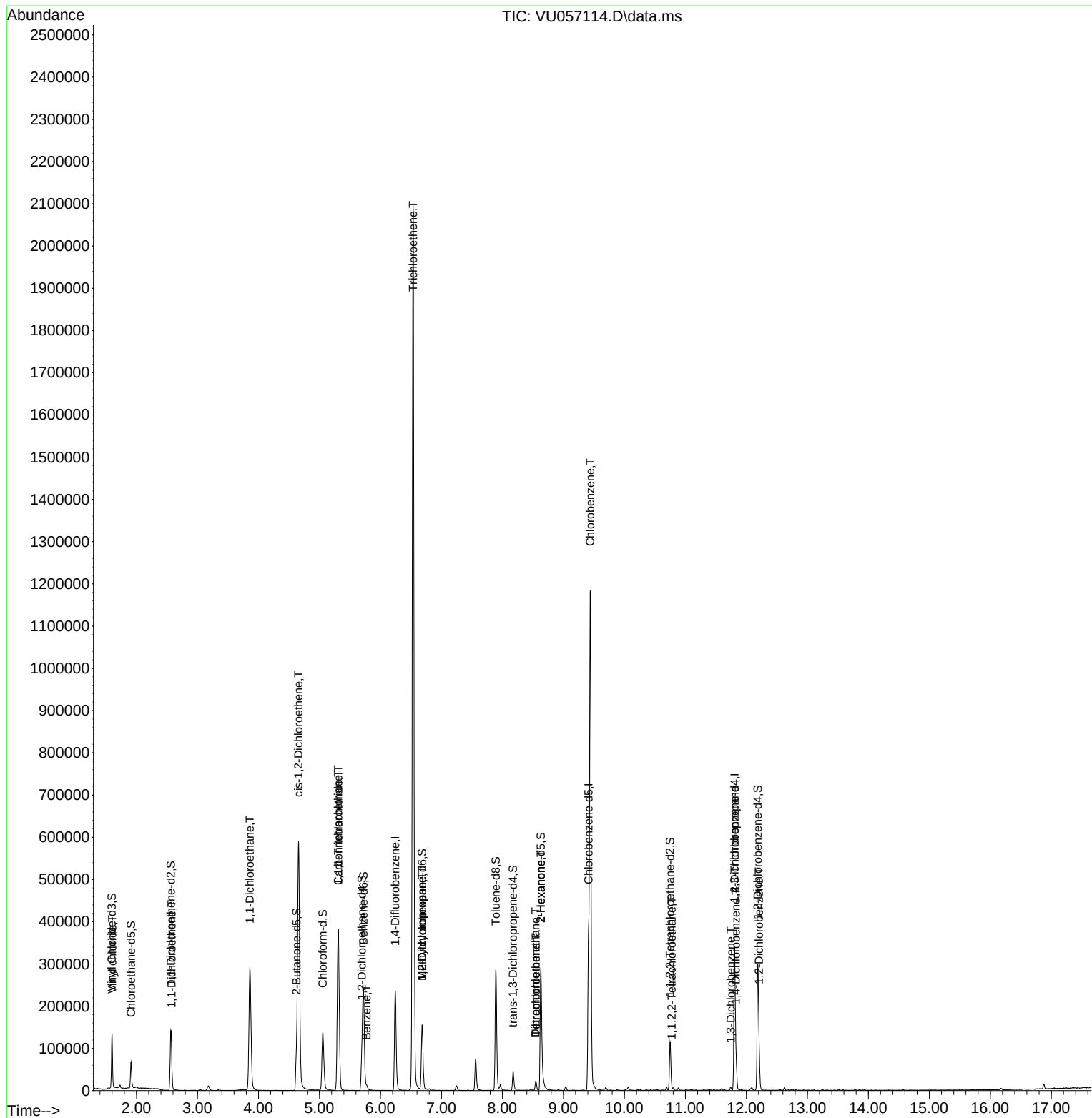
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

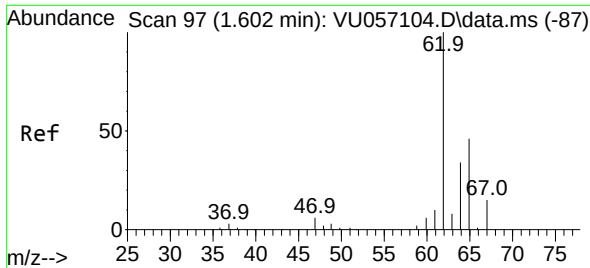
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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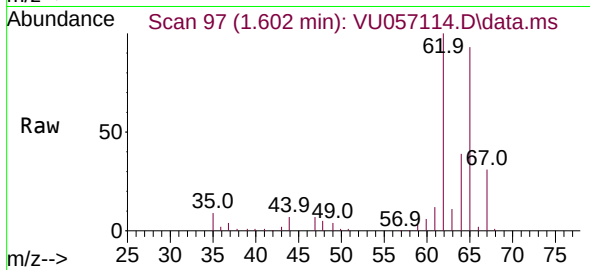
Quant Time: Dec 21 05:02:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
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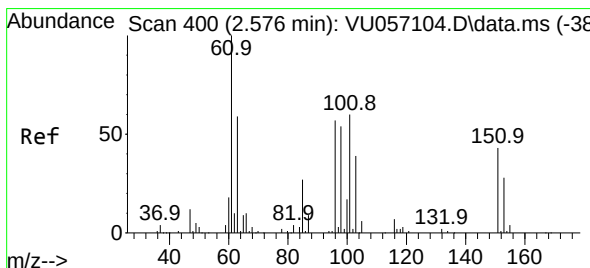
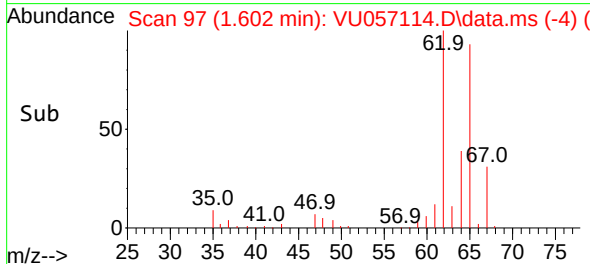
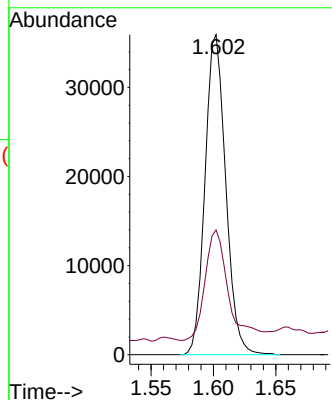


#5
 Vinyl chloride
 Concen: 2.129 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057114.D
 Acq: 21 Dec 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :

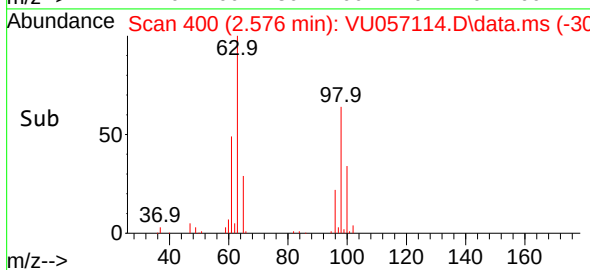
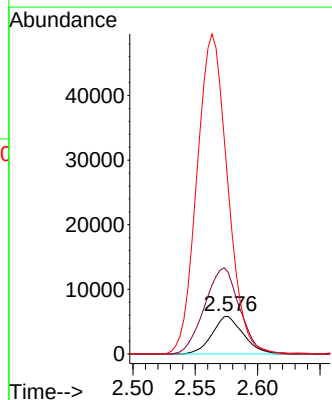
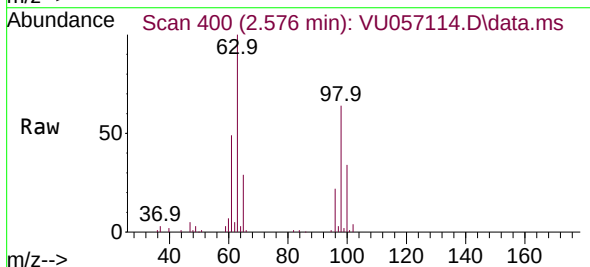


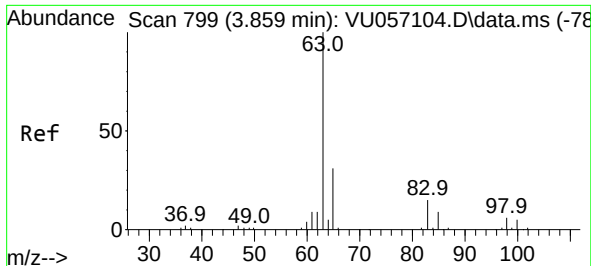
Tgt Ion: 62 Resp: 41536
 Ion Ratio Lower Upper
 62 100
 64 39.0 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.648 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057114.D
 Acq: 21 Dec 2023 00:32

Tgt Ion: 96 Resp: 10034
 Ion Ratio Lower Upper
 96 100
 61 217.4 119.0 221.0
 63 447.0 88.7 164.7#

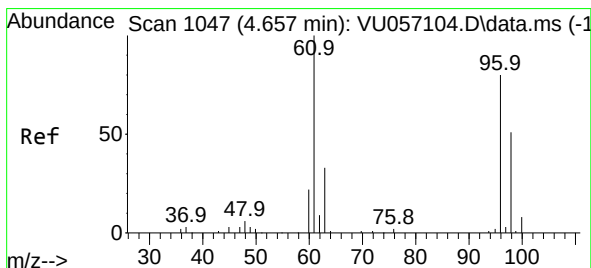
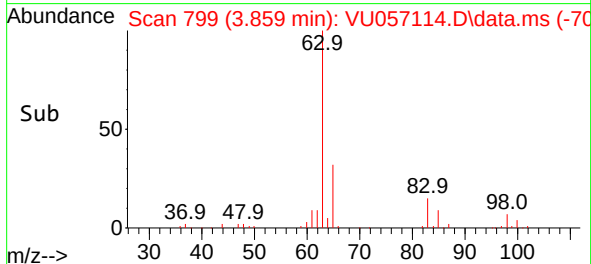
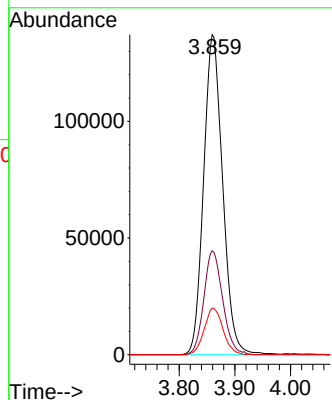
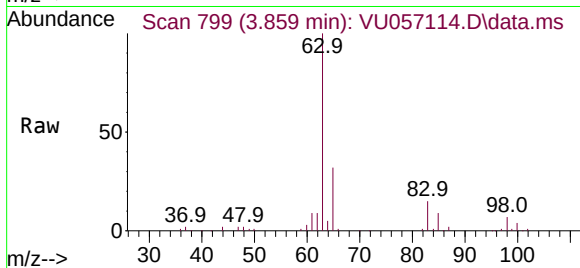




#19
1,1-Dichloroethane
Concen: 10.787 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

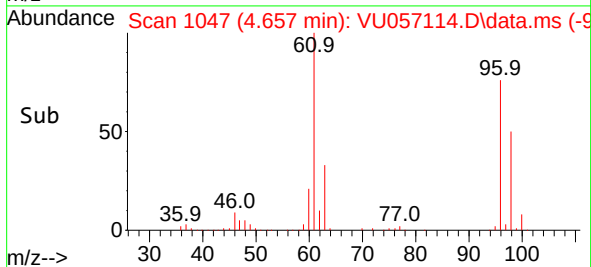
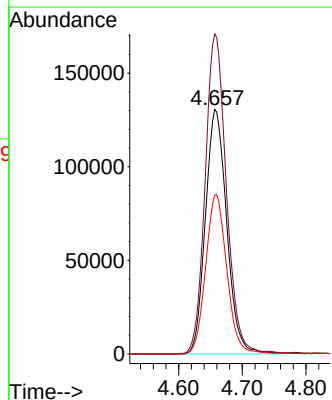
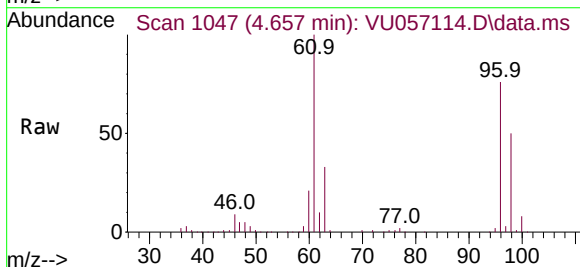
Instrument :
MSVOA_U
ClientSampleId :

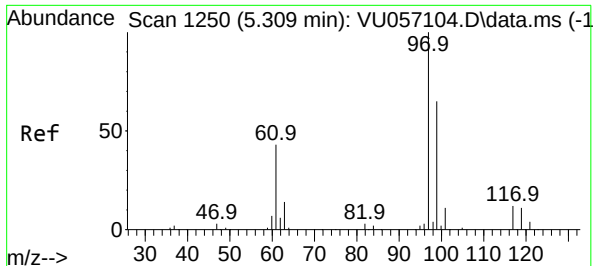
Tgt Ion: 63 Resp: 325683
Ion Ratio Lower Upper
63 100
65 32.5 22.9 42.5
83 14.6 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 17.842 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

Tgt Ion: 96 Resp: 304655
Ion Ratio Lower Upper
96 100
61 130.9 91.3 169.6
98 65.1 44.2 82.0

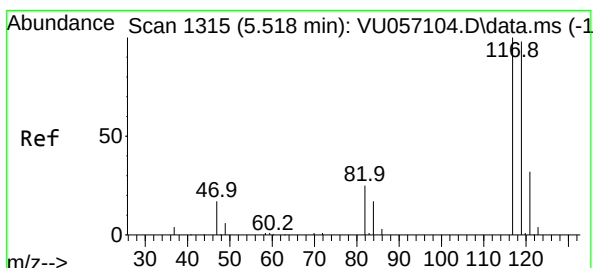
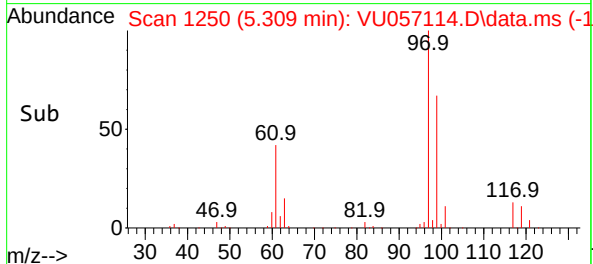
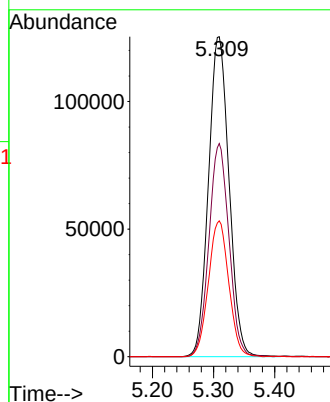
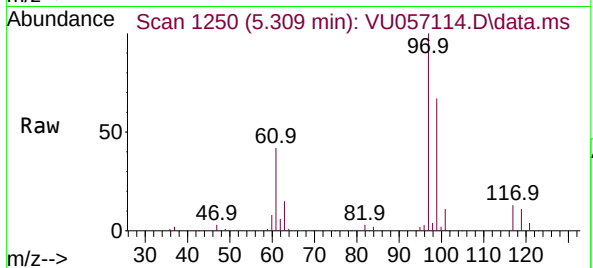




#29
1,1,1-Trichloroethane
Concen: 10.528 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

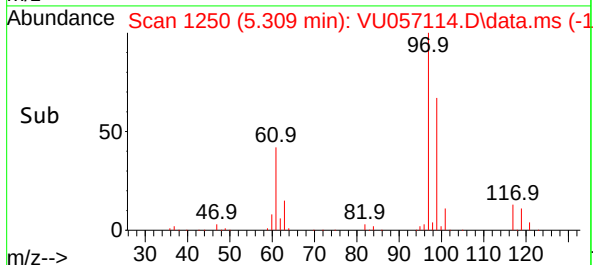
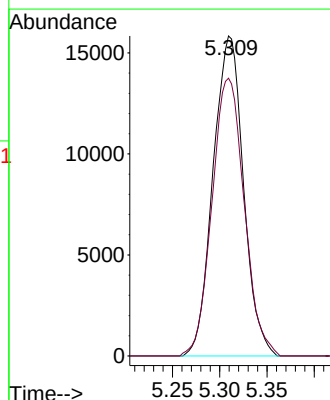
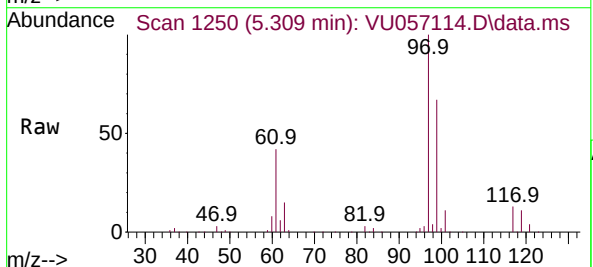
Instrument :
MSVOA_U
ClientSampleId :

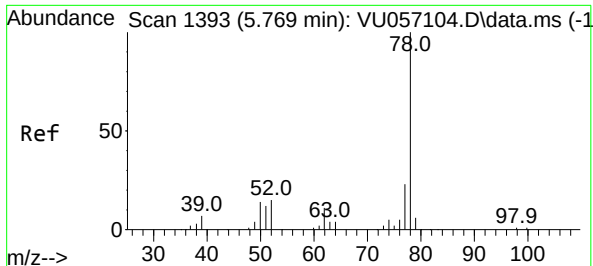
Tgt Ion: 97 Resp: 293003
Ion Ratio Lower Upper
97 100
99 64.9 52.5 78.7
61 42.0 34.2 51.2



#31
Carbon tetrachloride
Concen: 1.464 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.209 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

Tgt Ion: 117 Resp: 35402
Ion Ratio Lower Upper
117 100
119 91.9 76.2 114.4

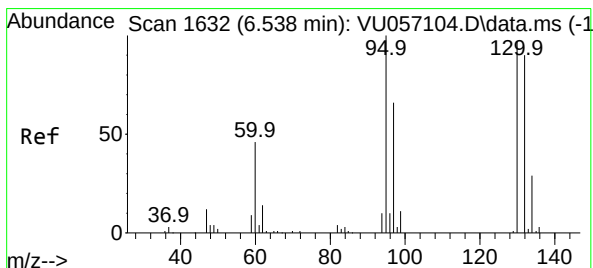
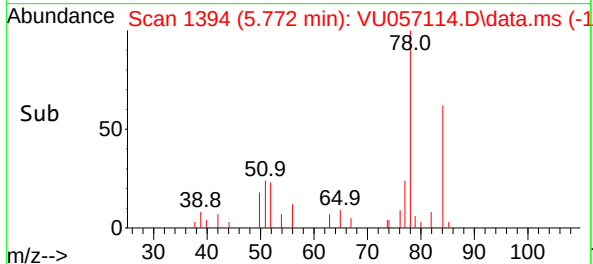
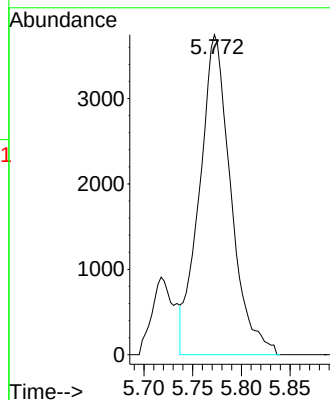
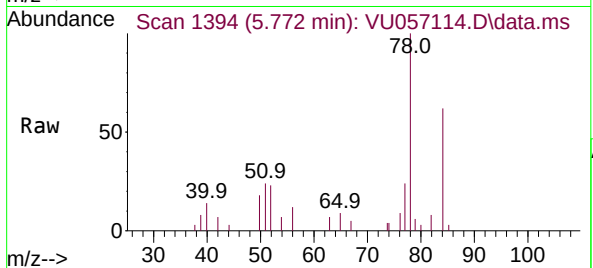




#33
Benzene
Concen: 0.124 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

Instrument :
MSVOA_U
ClientSampleId :

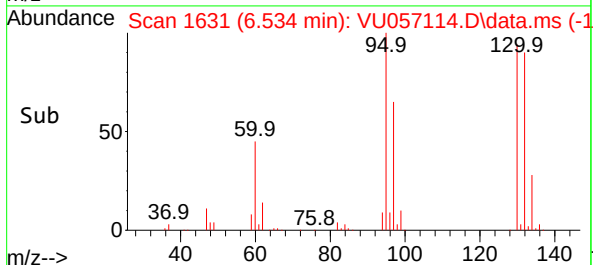
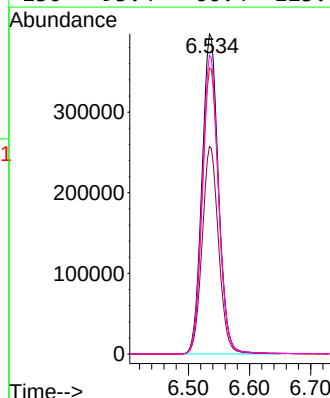
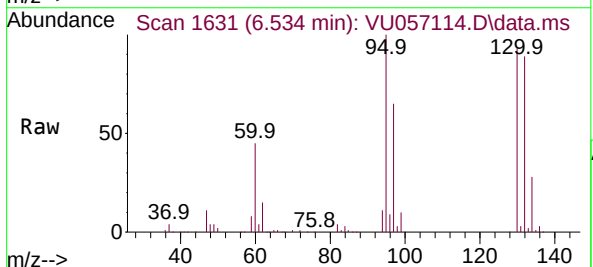
Tgt Ion: 78 Resp: 8374

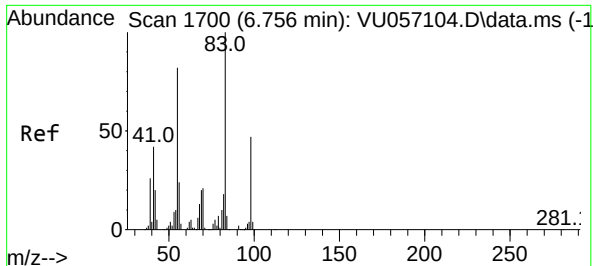


#34
Trichloroethene
Concen: 40.062 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

Tgt Ion: 95 Resp: 743593

Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.1	85.5
132	89.4	63.6	118.0
130	93.4	66.4	123.4





#35

Methylcyclohexane

Concen: 0.676 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

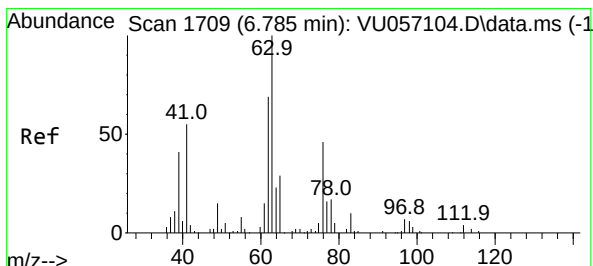
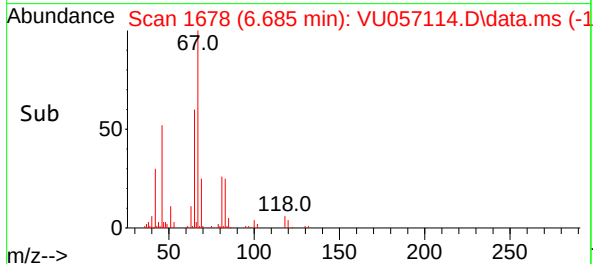
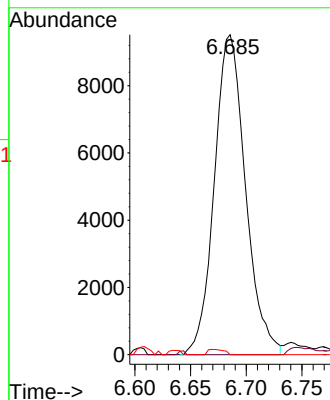
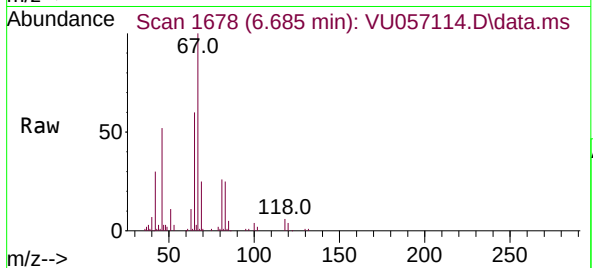
Tgt Ion: 83 Resp: 18525

Ion Ratio Lower Upper

83 100

55 0.2 64.6 97.0#

98 0.0 36.1 54.1#



#37

1,2-Dichloropropane

Concen: 0.457 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.103 min

Lab File: VU057114.D

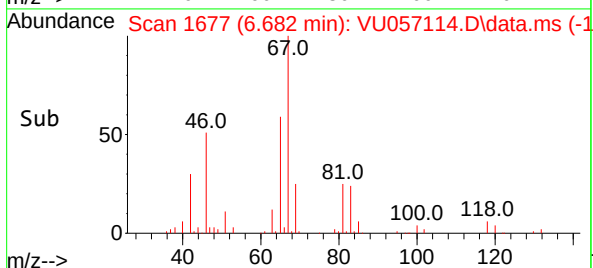
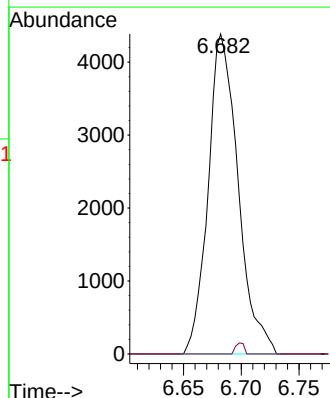
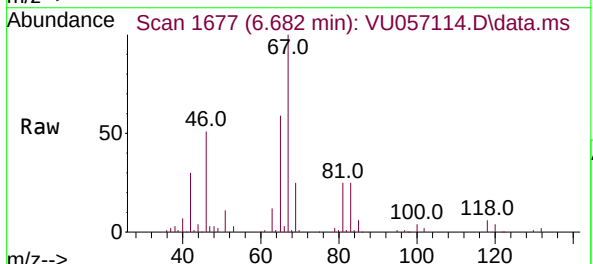
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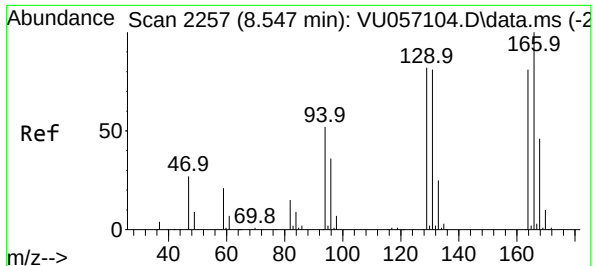
Tgt Ion: 63 Resp: 7905

Ion Ratio Lower Upper

63 100

112 1.0 3.3 4.9#





#47

Tetrachloroethene

Concen: 0.361 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.000 min

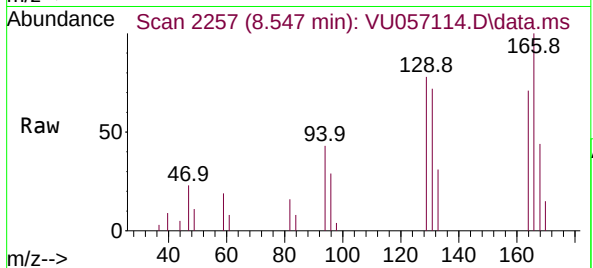
Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 4695

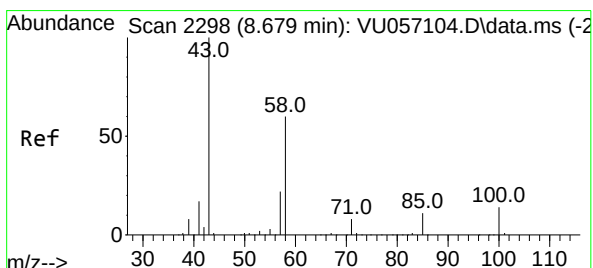
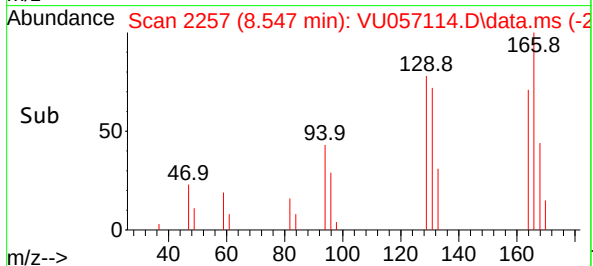
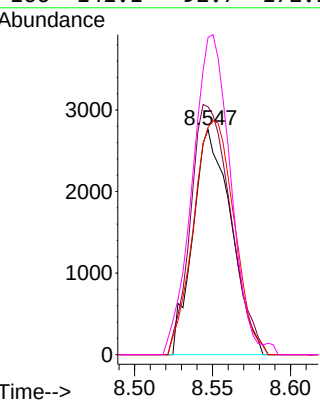
Ion Ratio Lower Upper

164 100

129 110.2 73.4 136.4

131 101.2 71.5 132.9

166 141.1 92.7 172.1



#48

2-Hexanone

Concen: 2.235 ug/L

RT: 8.631 min Scan# 2283

Delta R.T. -0.048 min

Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

Tgt Ion: 43 Resp: 13083

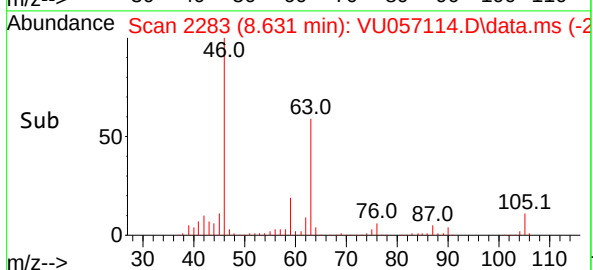
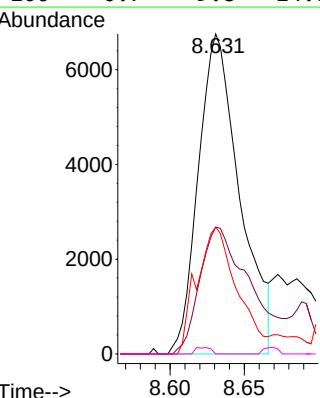
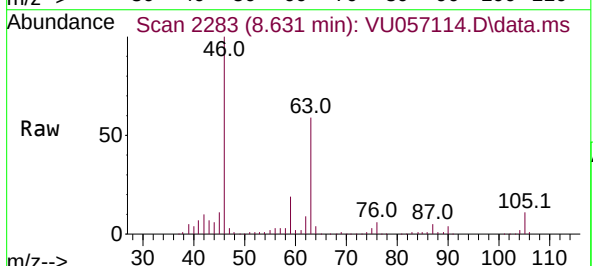
Ion Ratio Lower Upper

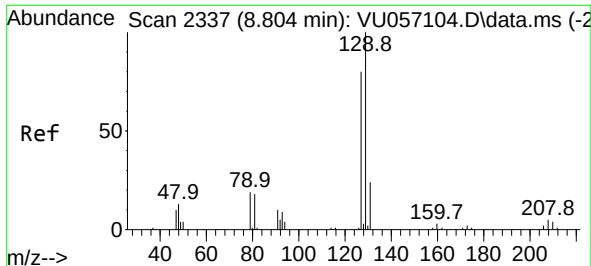
43 100

58 48.3 47.5 71.3

57 38.9 17.0 25.4#

100 0.7 9.8 14.8#





#49

Dibromochloromethane

Concen: 0.406 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

Instrument :

MSVOA_U

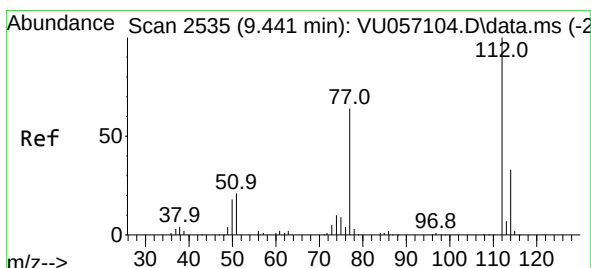
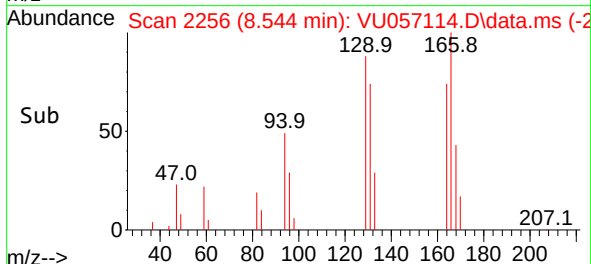
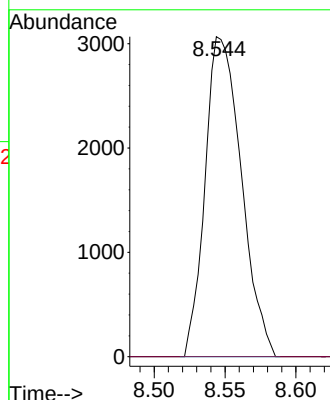
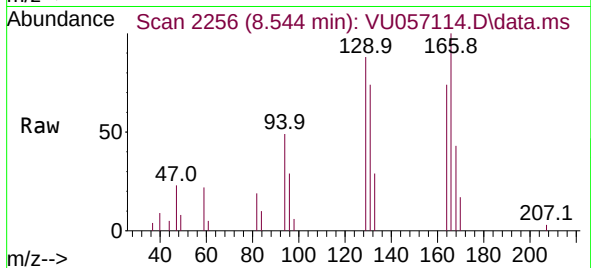
ClientSampleId :

Tgt Ion:129 Resp: 5459

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#51

Chlorobenzene

Concen: 13.975 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

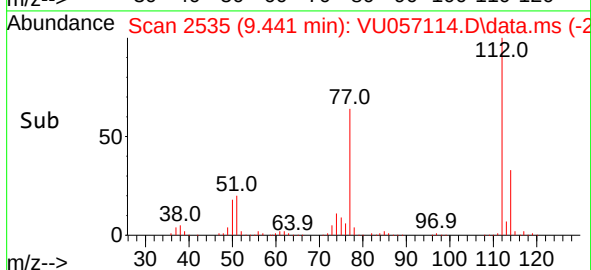
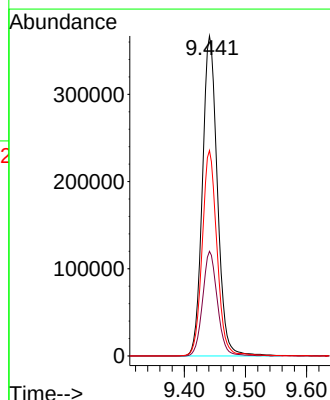
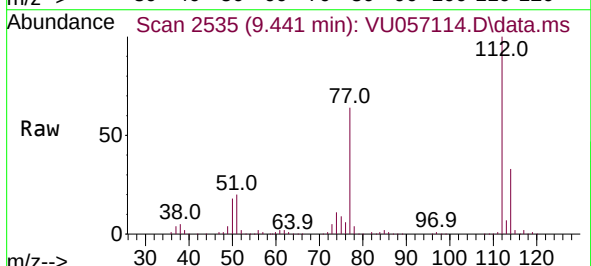
Tgt Ion:112 Resp: 623617

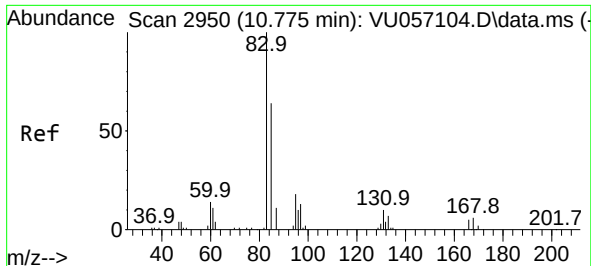
Ion Ratio Lower Upper

112 100

114 32.7 21.9 40.7

77 64.2 51.6 77.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.156 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057114.D

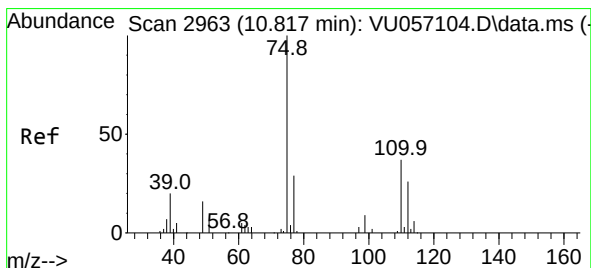
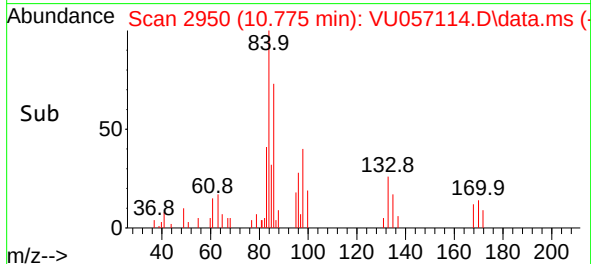
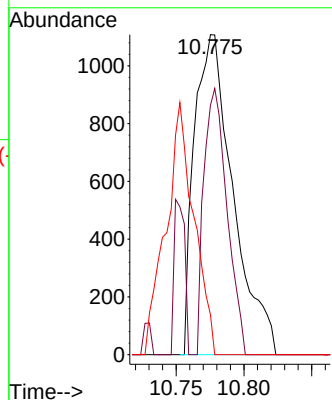
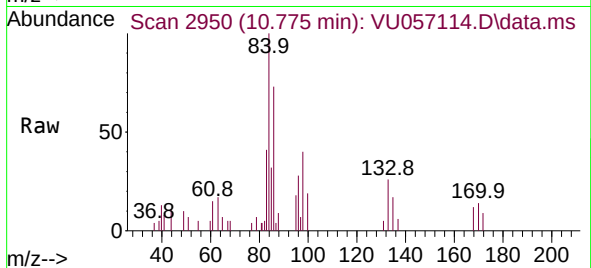
Acq: 21 Dec 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 2200
Ion Ratio	Lower Upper
83 100	
85 77.9	45.4 84.4
131 12.5	6.6 9.8#



#61

1,2,3-Trichloropropane

Concen: 1.932 ug/L

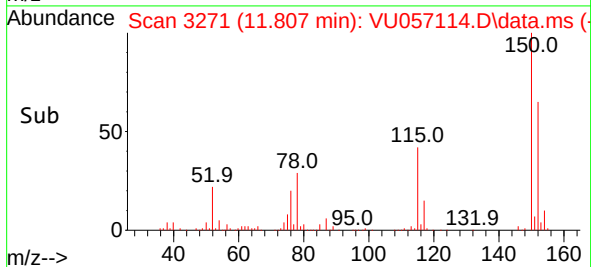
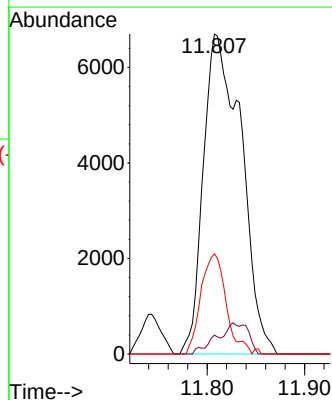
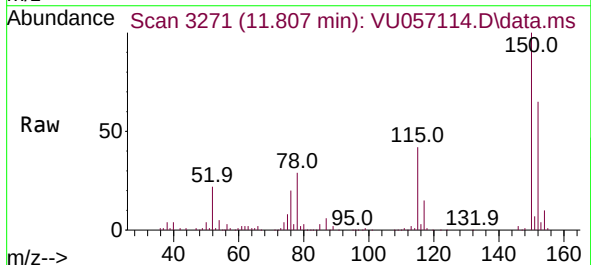
RT: 11.807 min Scan# 3271

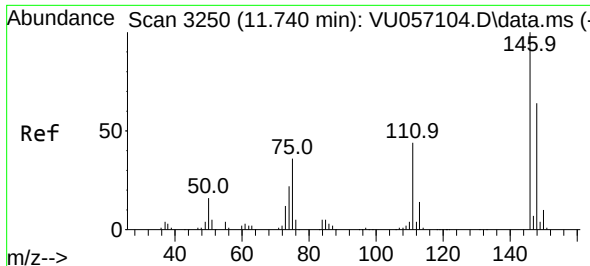
Delta R.T. 0.990 min

Lab File: VU057114.D

Acq: 21 Dec 2023 00:32

Tgt Ion: 75	Resp: 18050
Ion Ratio	Lower Upper
75 100	
110 2.2	28.4 42.6#
77 0.0	26.3 39.5#

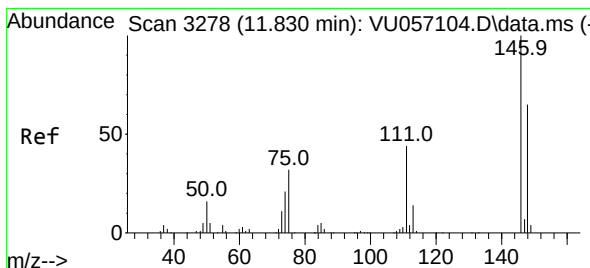
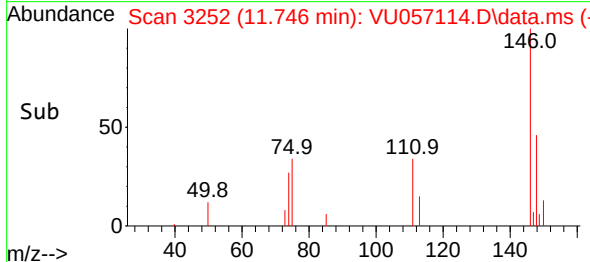
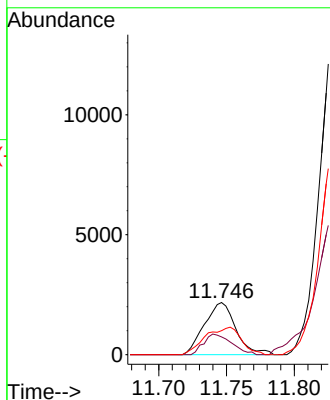
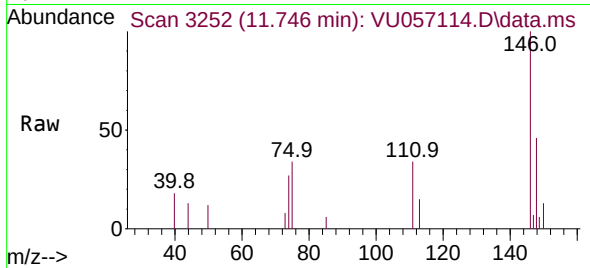




#64
1,3-Dichlorobenzene
Concen: 0.108 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

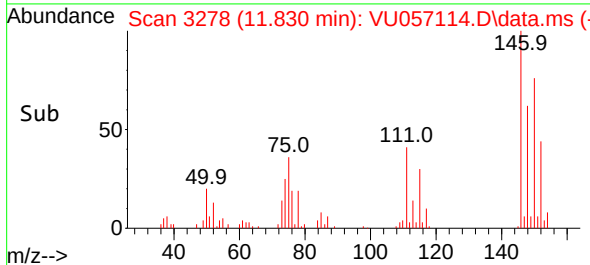
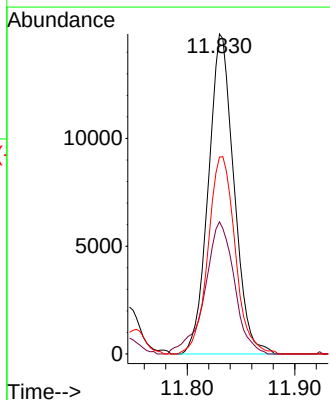
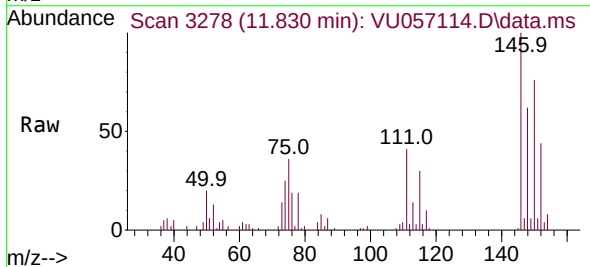
Instrument :
MSVOA_U
ClientSampleId :

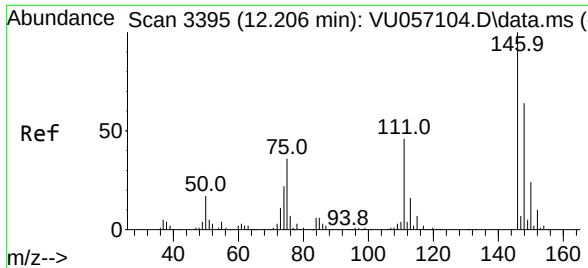
Tgt Ion:146 Resp: 3501
Ion Ratio Lower Upper
146 100
111 34.0 31.7 58.9
148 52.1 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.766 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057114.D
Acq: 21 Dec 2023 00:32

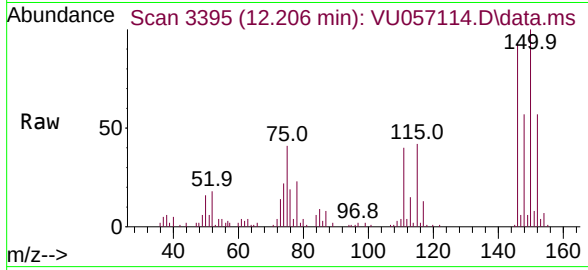
Tgt Ion:146 Resp: 24536
Ion Ratio Lower Upper
146 100
111 41.3 31.2 58.0
148 61.5 45.6 84.8





#67
 1,2-Dichlorobenzene
 Concen: 1.037 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU057114.D
 Acq: 21 Dec 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	30711
Ion	Ratio	Lower	Upper
146	100		
111	43.7	36.9	55.3
148	61.6	53.0	79.4

