

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031124\
 Data File : VU058042.D
 Acq On : 11 Mar 2024 14:52
 Operator : MD/SY
 Sample : P1715-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 12 03:09:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 12 03:05:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166989	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	156626	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73858	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	44765	3.726	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.904	69	41543	4.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.557	65	21357	4.108	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.200%
20) 2-Butanone-d5	4.608	46	106695	53.897	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.800%
24) Chloroform-d	5.052	84	104988	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.692	65	50557	4.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.718	84	207304	4.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.682	67	67821	4.888	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.891	98	178106	4.307	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.177	79	20723	4.343	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.624	63	94951	59.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	43721	5.138	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	58901	4.842	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%

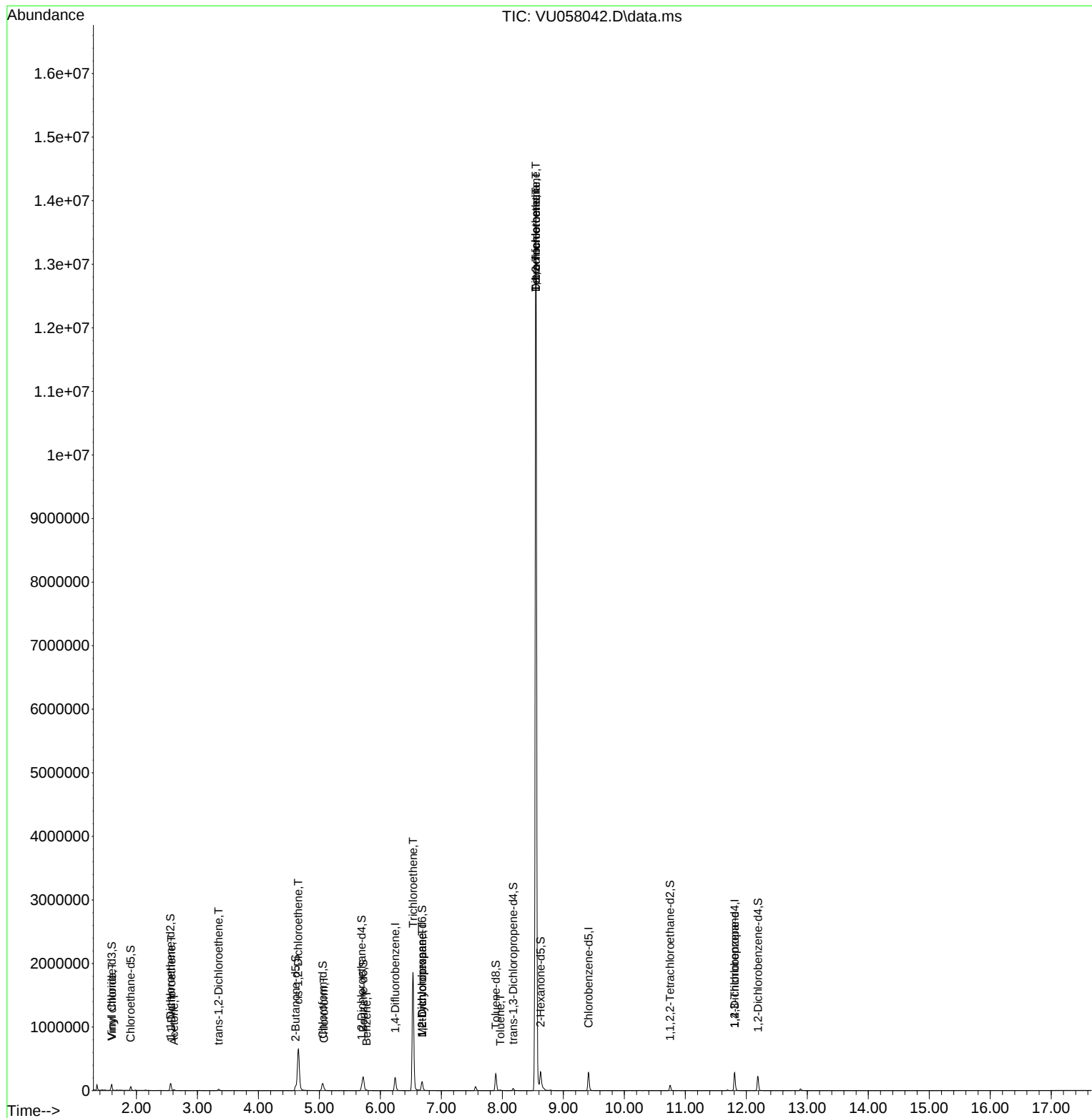
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	8611	0.677	ug/L	88
12) 1,1-Dichloroethene	2.573	96	3475	0.345	ug/L #	1
13) Acetone	2.615	43	16896	11.469	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	9413	0.858	ug/L	89
22) cis-1,2-Dichloroethene	4.653	96	339058	28.084	ug/L	99
25) Chloroform	5.075	83	10813	0.484	ug/L	99
33) Benzene	5.772	78	6456	0.134	ug/L	100
34) Trichloroethene	6.534	95	645904	51.077	ug/L	99
35) Methylcyclohexane	6.682	83	14653	0.756	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	6808	0.549	ug/L #	89
42) Toluene	7.965	91	6001	0.120	ug/L	100
45) 1,1,2-Trichloroethane	8.547	97	29151	3.967	ug/L #	3
47) Tetrachloroethene	8.550	164	2808222	320.080	ug/L	96
49) Dibromochloromethane	8.550	129	2985085	343.175	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	10192	1.685	ug/L #	70

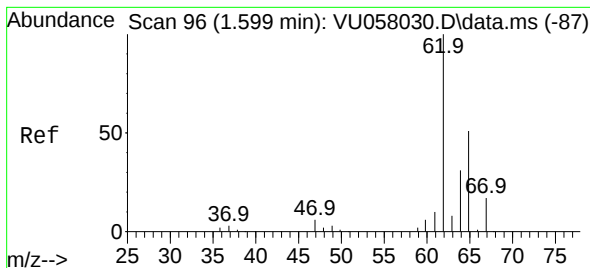
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 12 03:05:49 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.677 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

Instrument :

MSVOA_U

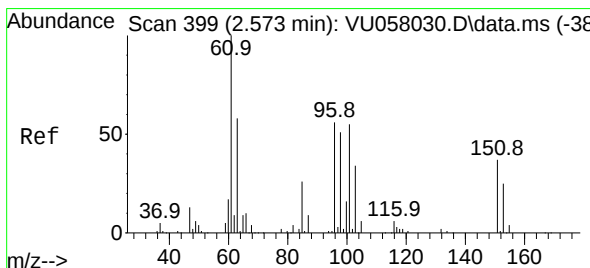
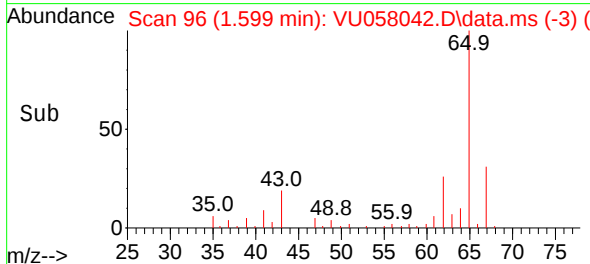
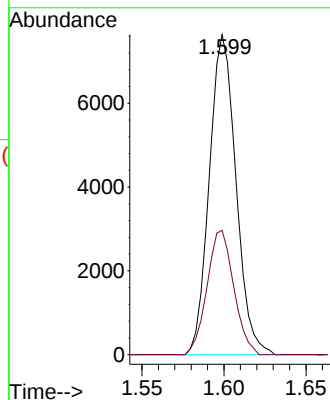
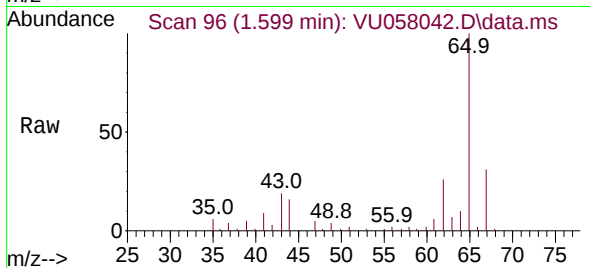
ClientSampleId :

Tgt Ion: 62 Resp: 8611

Ion Ratio Lower Upper

62 100

64 38.9 22.5 41.7



#12

1,1-Dichloroethene

Concen: 0.345 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

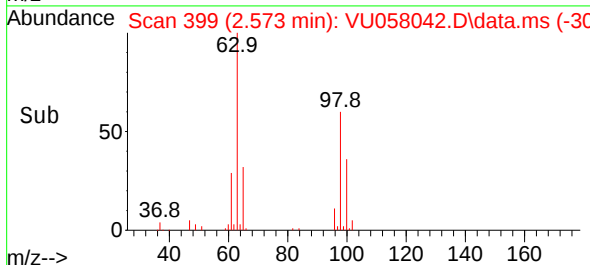
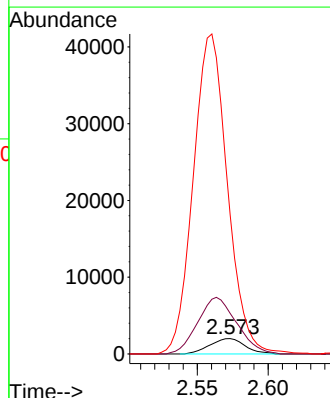
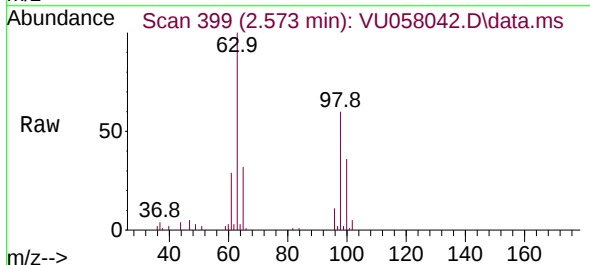
Tgt Ion: 96 Resp: 3475

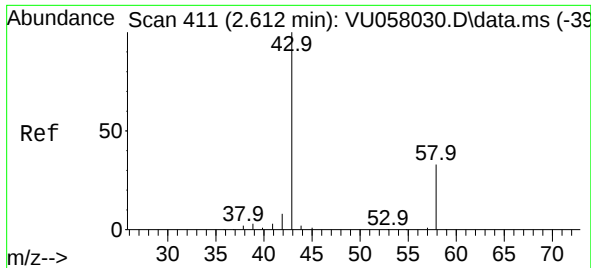
Ion Ratio Lower Upper

96 100

61 264.4 131.8 244.8#

63 908.3 98.1 182.1#





#13

Acetone

Concen: 11.469 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

Instrument :

MSVOA_U

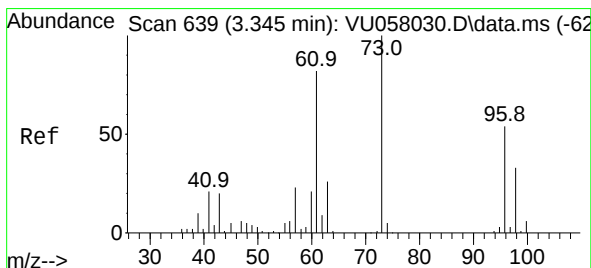
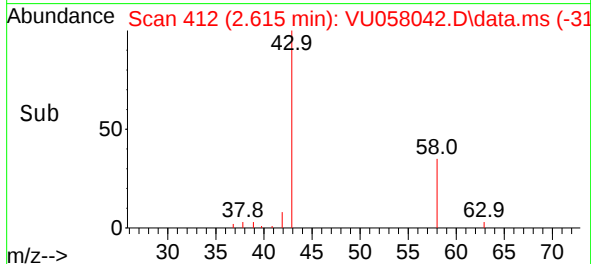
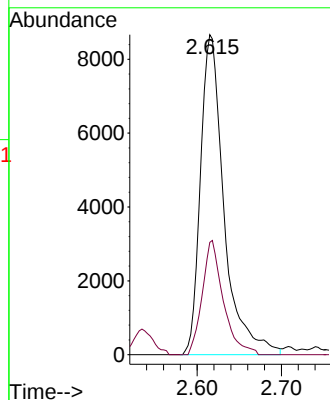
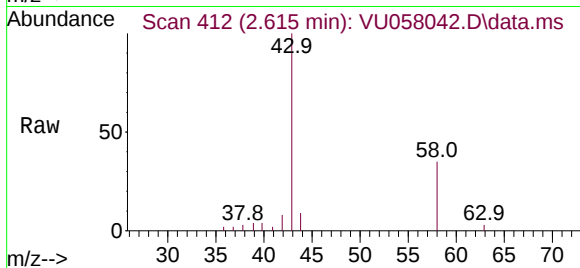
ClientSampleId :

Tgt Ion: 43 Resp: 16896

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#18

trans-1,2-Dichloroethene

Concen: 0.858 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.000 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

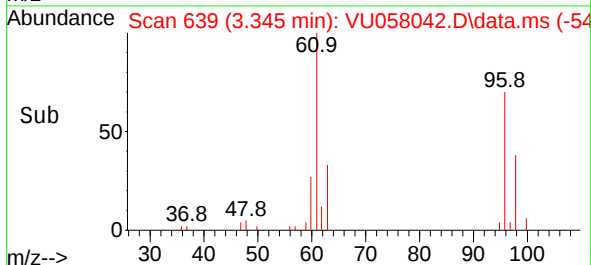
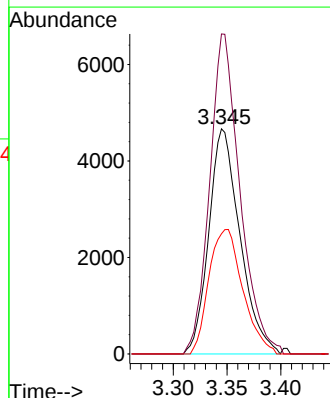
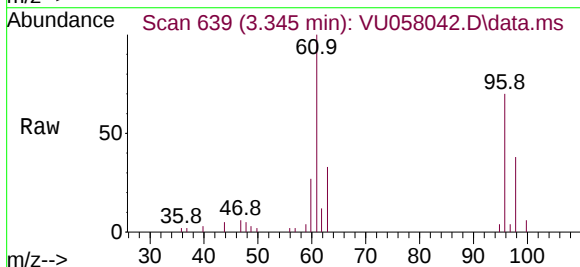
Tgt Ion: 96 Resp: 9413

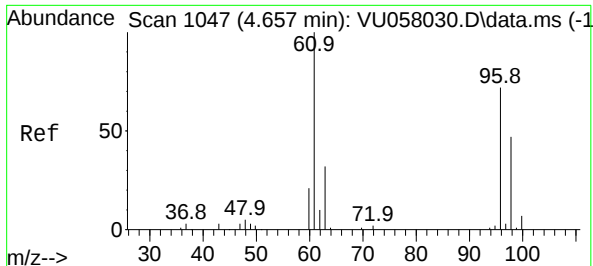
Ion Ratio Lower Upper

96 100

61 142.2 107.7 199.9

98 53.4 45.8 85.0

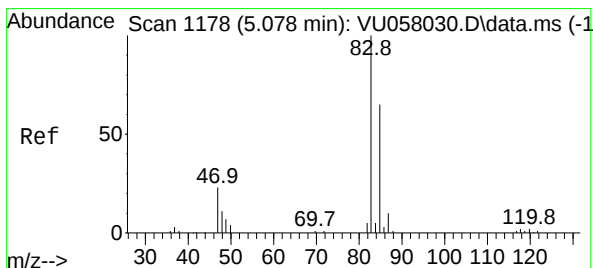
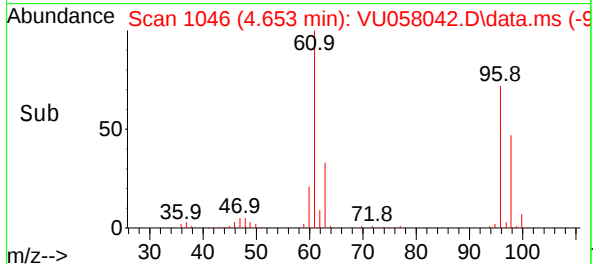
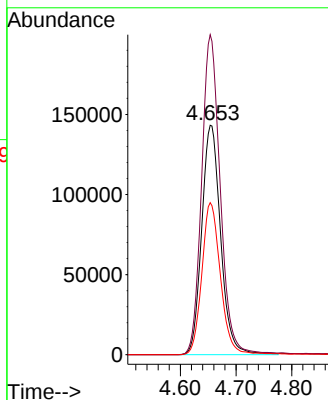
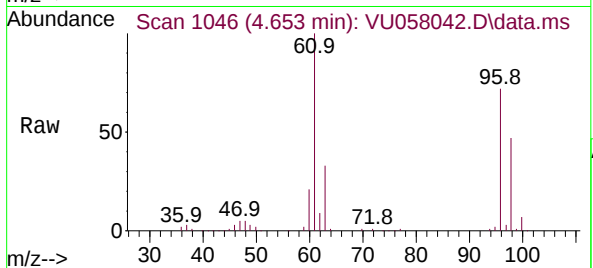




#22
cis-1,2-Dichloroethene
Concen: 28.084 ug/L
RT: 4.653 min Scan# 110
Delta R.T. -0.003 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

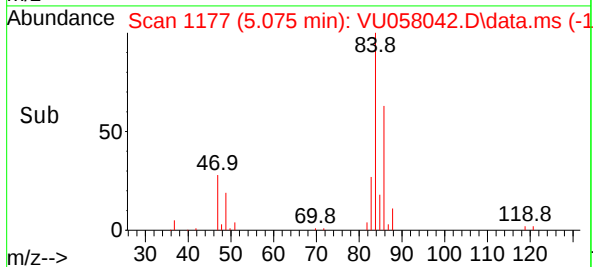
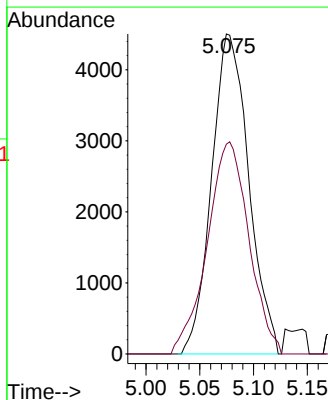
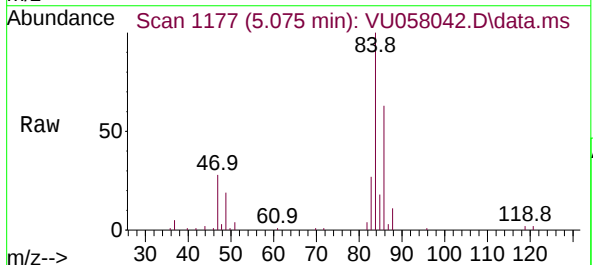
Instrument :
MSVOA_U
ClientSampleId :

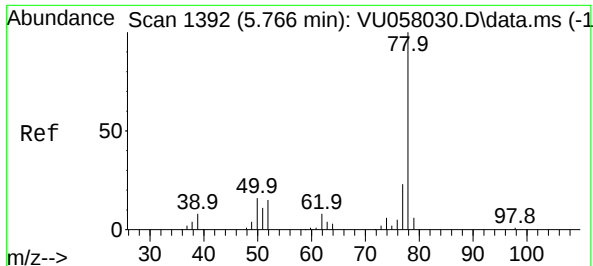
Tgt Ion: 96 Resp: 339058
Ion Ratio Lower Upper
96 100
61 139.4 97.2 180.4
98 66.2 45.5 84.5



#25
Chloroform
Concen: 0.484 ug/L
RT: 5.075 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Tgt Ion: 83 Resp: 10813
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.4

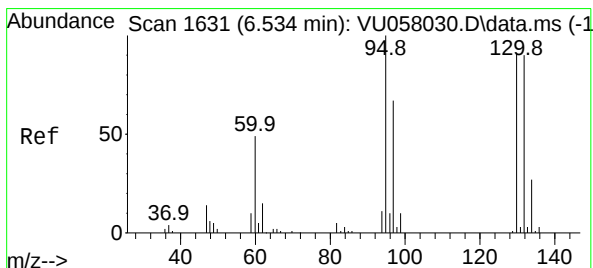
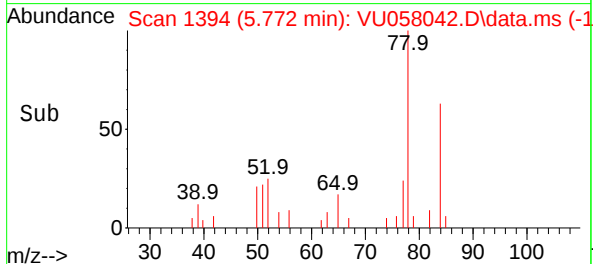
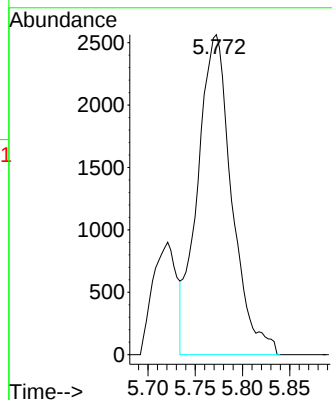
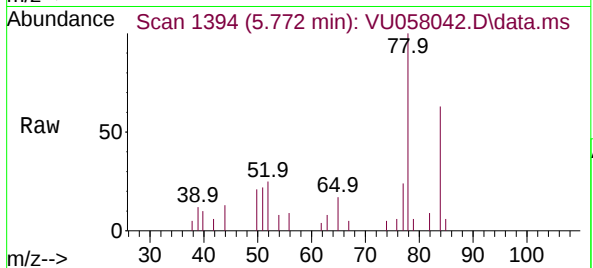




#33
Benzene
Concen: 0.134 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Instrument :
MSVOA_U
ClientSampleId :

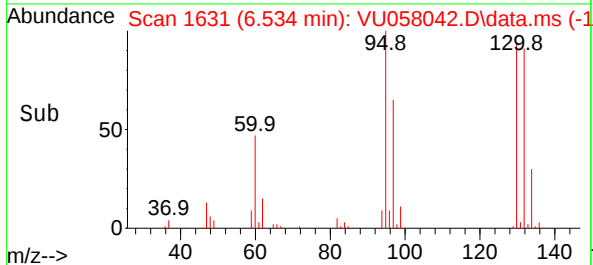
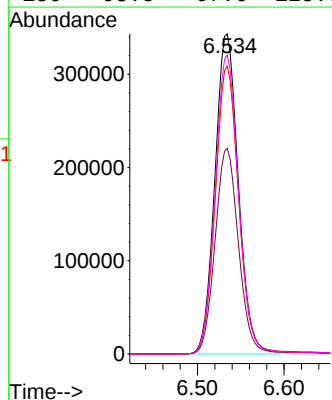
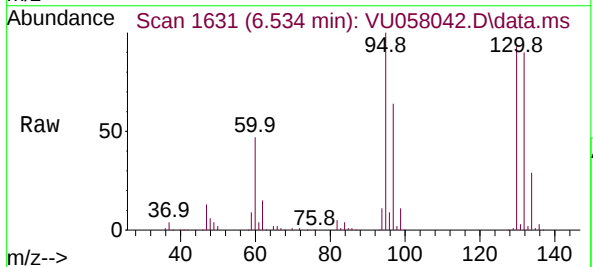
Tgt Ion: 78 Resp: 6456

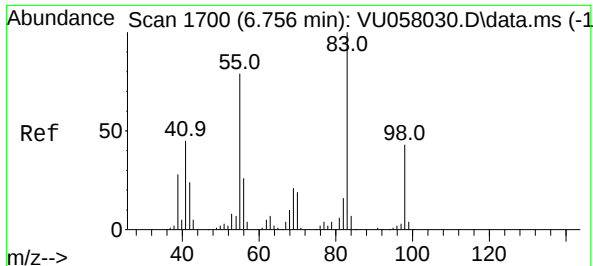


#34
Trichloroethene
Concen: 51.077 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Tgt Ion: 95 Resp: 645904

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.3	84.1
132	90.0	63.1	117.1
130	93.5	67.6	125.6

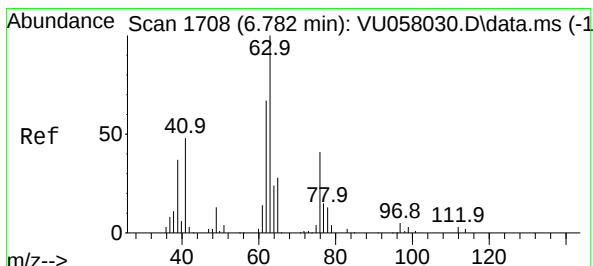
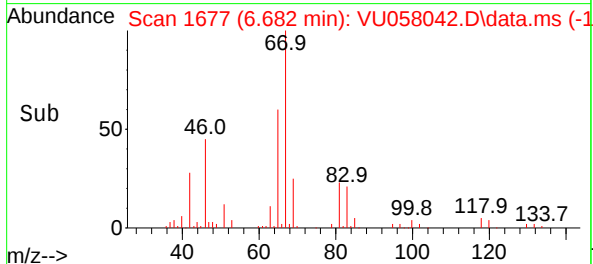
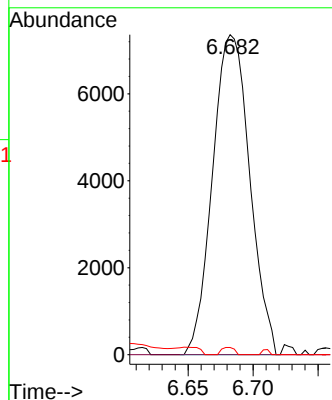
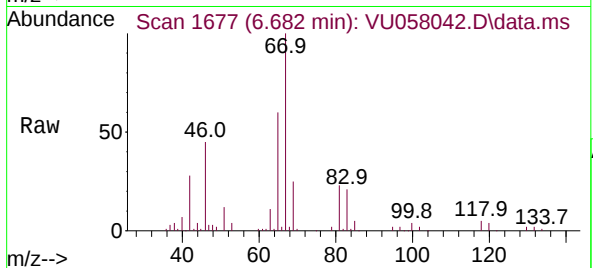




#35
Methylcyclohexane
Concen: 0.756 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

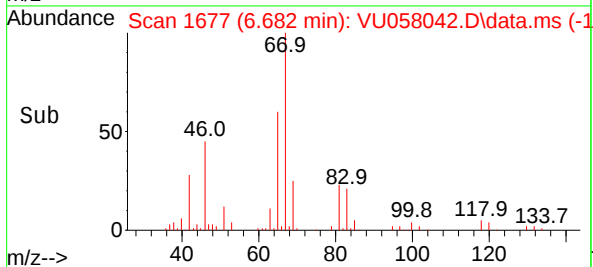
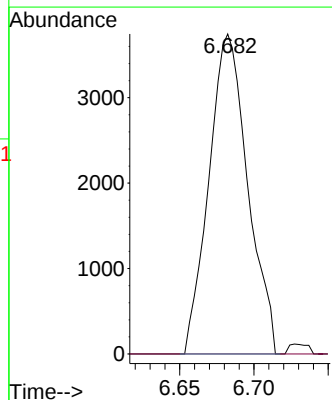
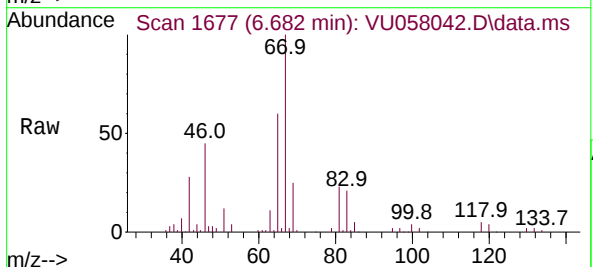
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MSVOA_U
ClientSampleId :

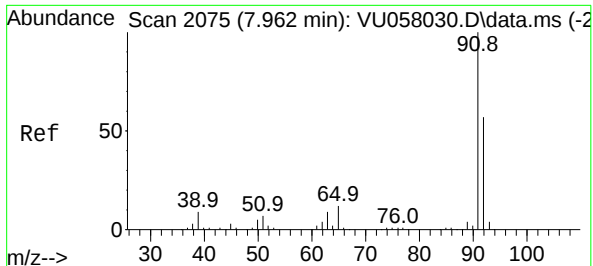
Tgt Ion: 83 Resp: 14653
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.6#
98 0.0 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Tgt Ion: 63 Resp: 6808
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#42

Toluene

Concen: 0.120 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

Instrument :

MSVOA_U

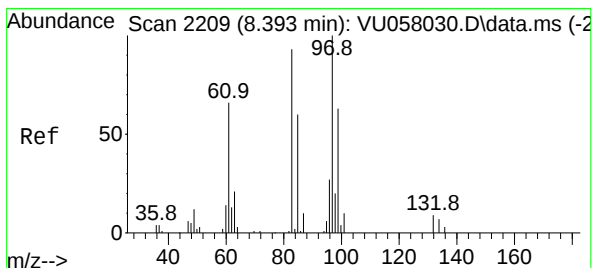
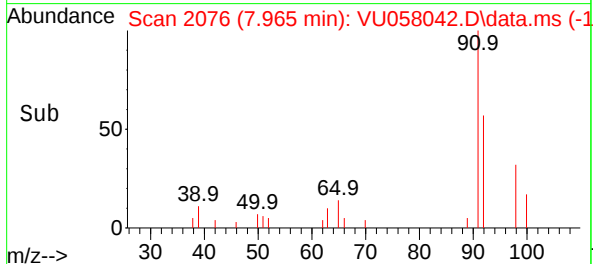
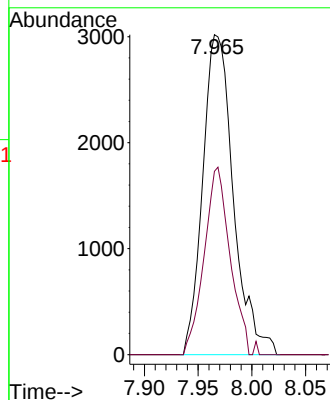
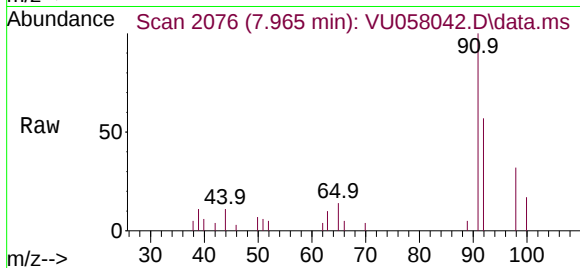
ClientSampleId :

Tgt Ion: 91 Resp: 6001

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



#45

1,1,2-Trichloroethane

Concen: 3.967 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.154 min

Lab File: VU058042.D

Acq: 11 Mar 2024 14:52

Tgt Ion: 97 Resp: 29151

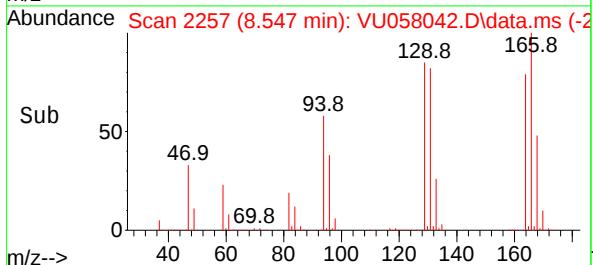
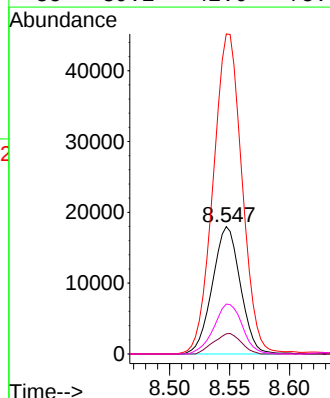
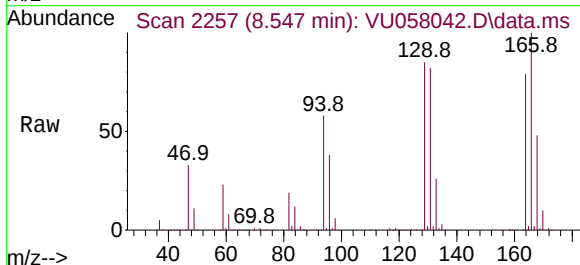
Ion Ratio Lower Upper

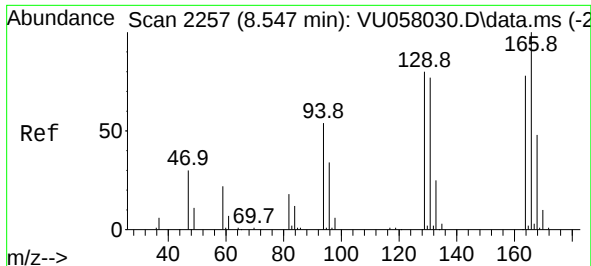
97 100

99 15.9 44.2 82.2#

83 251.4 64.2 119.2#

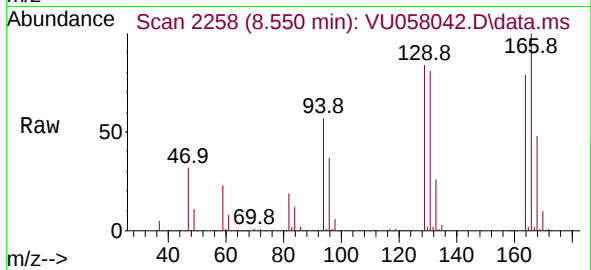
85 39.2 42.0 78.0#





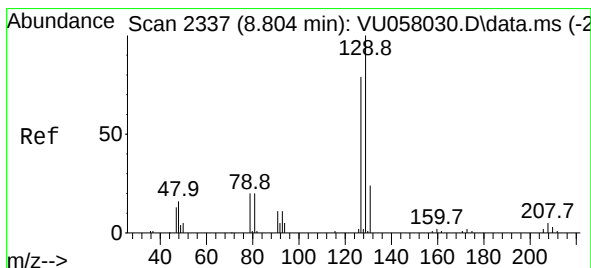
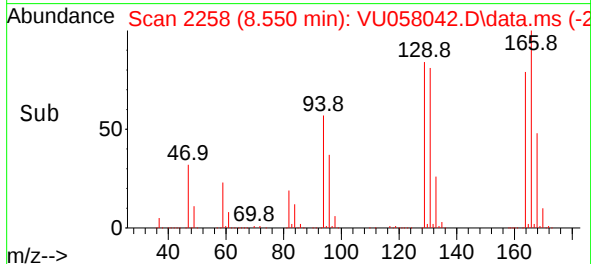
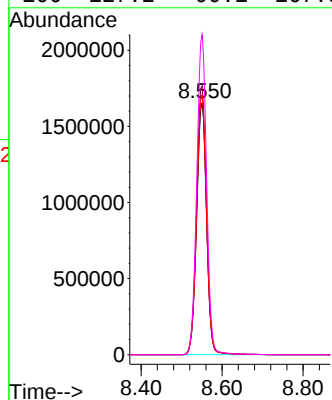
#47
Tetrachloroethene
Concen: 320.080 ug/L
RT: 8.550 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 2808222

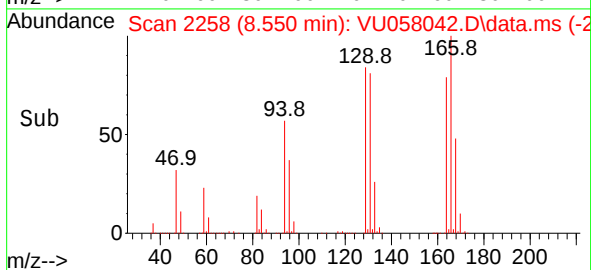
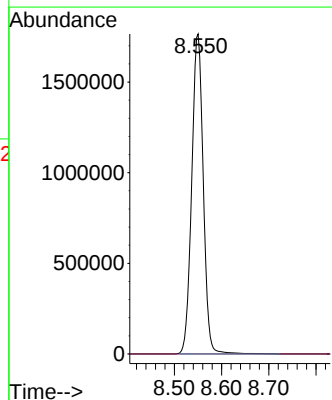
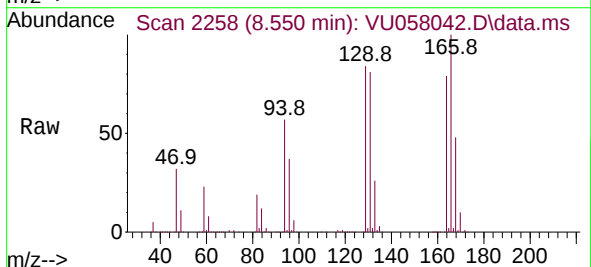
Ion	Ratio	Lower	Upper
164	100		
129	106.8	69.3	128.7
131	103.3	69.9	129.9
166	127.2	90.1	167.3

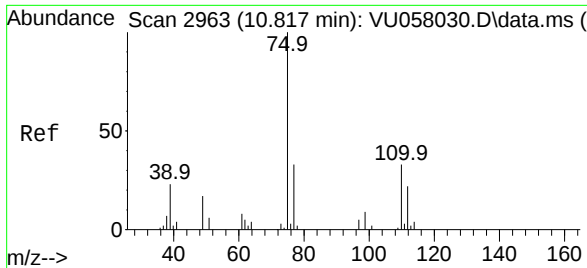


#49
Dibromochloromethane
Concen: 343.175 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU058042.D
Acq: 11 Mar 2024 14:52

Tgt Ion:129 Resp: 2985085

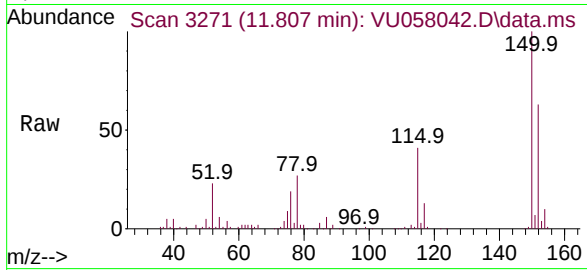
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.6#





#61
 1,2,3-Trichloropropane
 Concen: 1.685 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU058042.D
 Acq: 11 Mar 2024 14:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10192
 Ion Ratio Lower Upper
 75 100
 110 2.7 28.0 42.0#
 77 30.2 24.7 37.1

