

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
 Data File : VU054634.D
 Acq On : 21 Jun 2023 11:28
 Operator : MD/SY
 Sample : 03326-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCA32

Quant Time: Jun 22 02:43:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 22 02:42:14 2023
 Response via : Initial Calibration

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

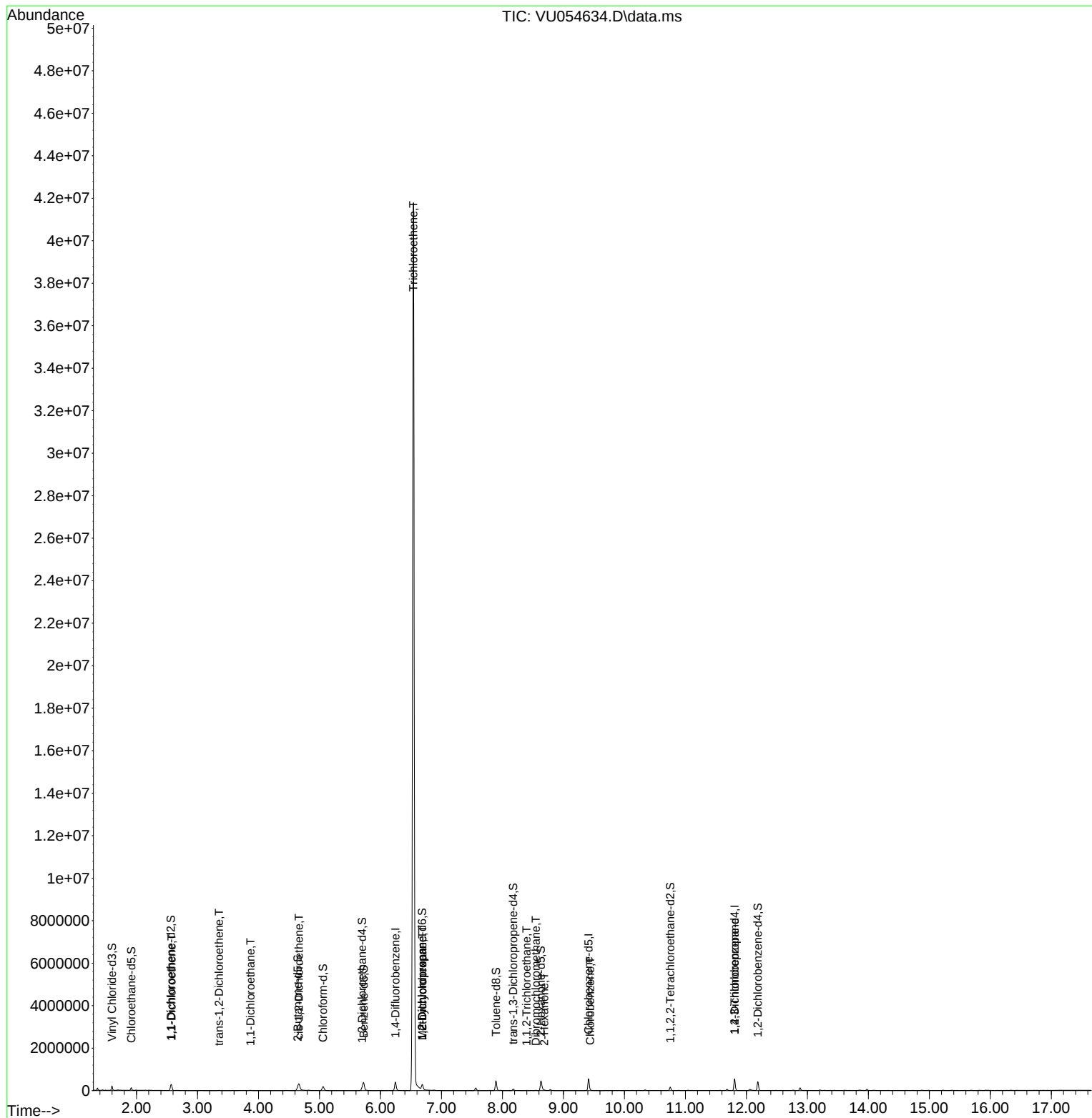
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	310289	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	295997	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	144429	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	118202	5.986	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.800%
7) Chloroethane-d5	1.914	69	91925	4.972	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.563	65	44984	5.100	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	4.644	46	246061	44.319	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.640%
24) Chloroform-d	5.058	84	176778	4.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.698	65	87629	4.355	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.724	84	357012	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.685	67	117459	4.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.894	98	302274	4.139	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.177	79	43540	4.556	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.631	63	162949	40.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84649	4.131	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	107831	4.426	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
12) 1,1-Dichloroethene	2.576	96	36887	1.639	ug/L #	15
18) trans-1,2-Dichloroethene	3.354	96	3006	0.129	ug/L	92
19) 1,1-Dichloroethane	3.869	63	15789	0.328	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	129535	4.895	ug/L	98
34) Trichloroethene	6.541	95	14549118	517.203	ug/L	93
35) Methylcyclohexane	6.689	83	27737	0.652	ug/L #	16
37) 1,2-Dichloropropane	6.689	63	13413	0.466	ug/L #	91
45) 1,1,2-Trichloroethane	8.396	97	2814	0.154	ug/L	92
48) 2-Hexanone	8.685	43	10728	0.938	ug/L #	88
49) Dibromochloromethane	8.550	129	2712	0.141	ug/L #	11
51) Chlorobenzene	9.441	112	10966	0.161	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	19466	1.334	ug/L #	70

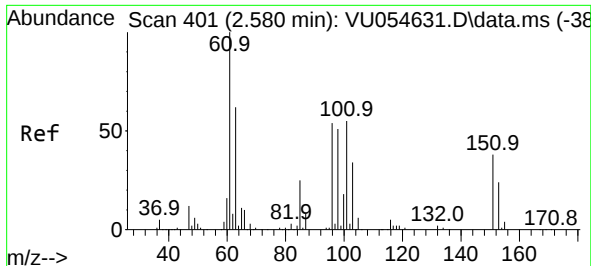
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.639 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU054634.D

Acq: 21 Jun 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

GCA32

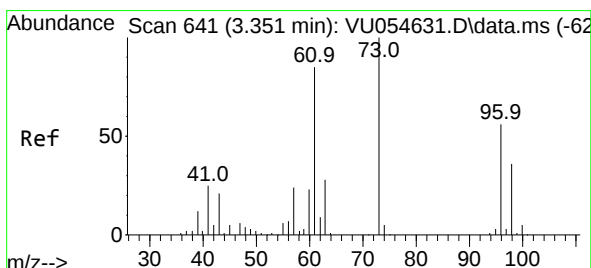
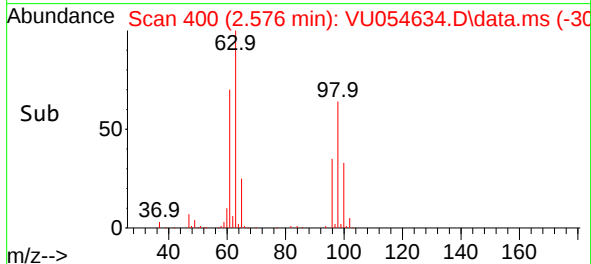
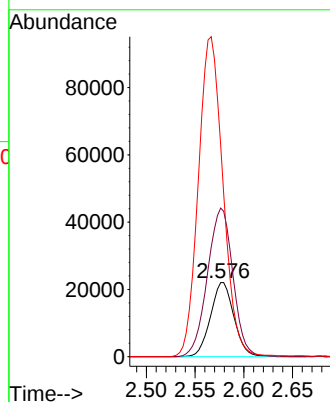
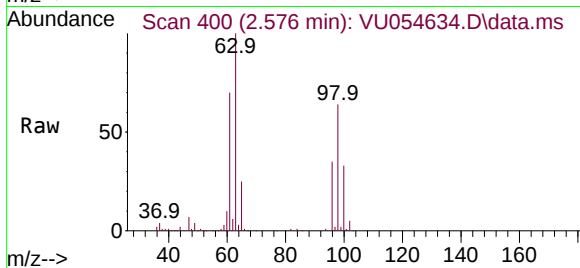
Tgt Ion: 96 Resp: 36887

Ion Ratio Lower Upper

96 100

61 200.5 119.9 222.7

63 285.3 64.3 119.3#



#18

trans-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU054634.D

Acq: 21 Jun 2023 11:28

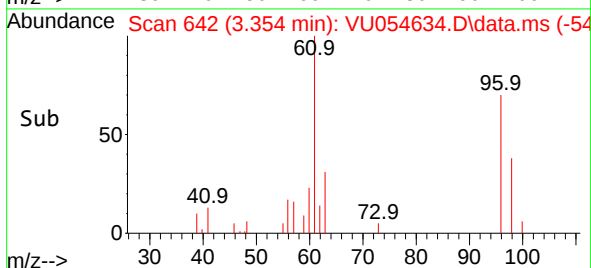
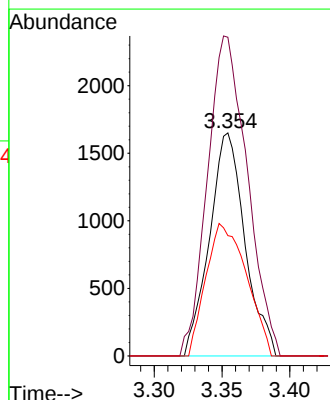
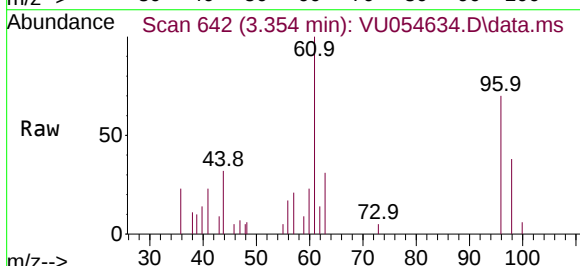
Tgt Ion: 96 Resp: 3006

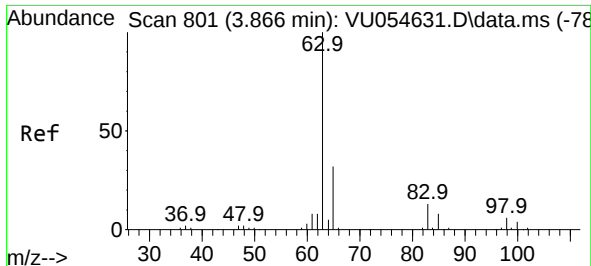
Ion Ratio Lower Upper

96 100

61 142.8 104.6 194.2

98 54.0 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.328 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054634.D

Acq: 21 Jun 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

GCA32

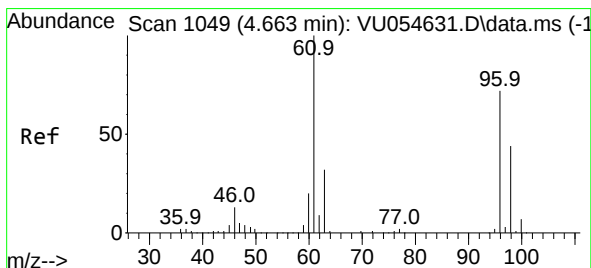
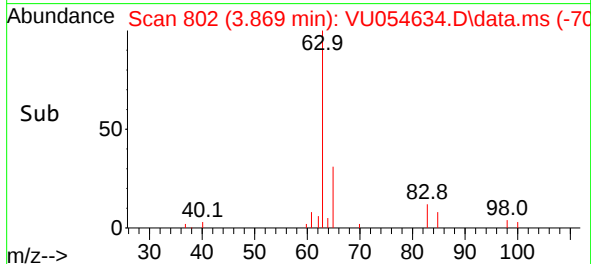
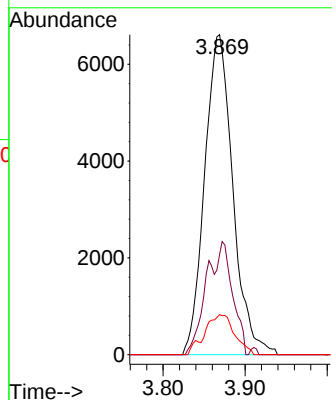
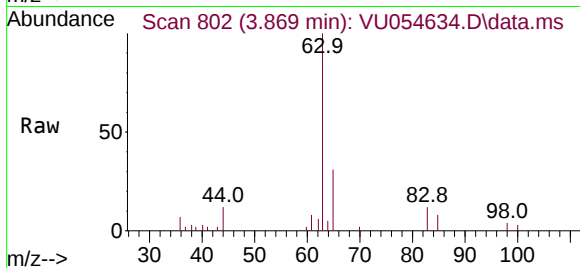
Tgt Ion: 63 Resp: 15789

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

83 12.5 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 4.895 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054634.D

Acq: 21 Jun 2023 11:28

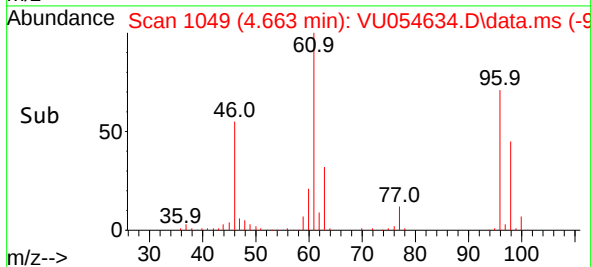
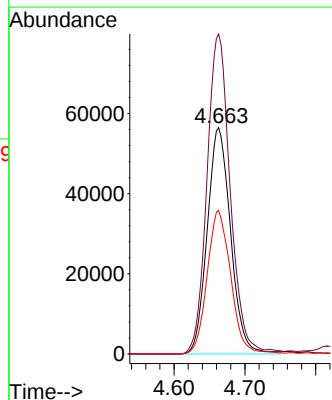
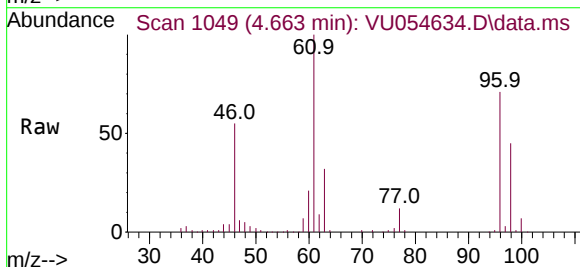
Tgt Ion: 96 Resp: 129535

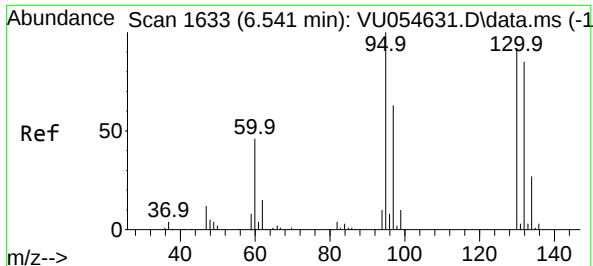
Ion Ratio Lower Upper

96 100

61 141.4 96.5 179.1

98 63.4 44.9 83.3



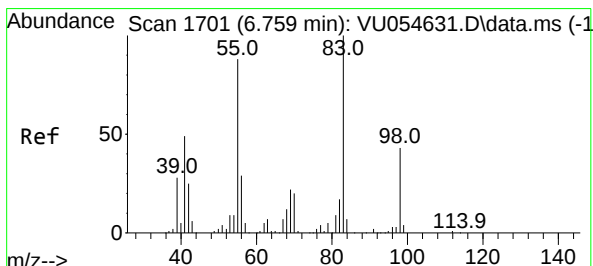
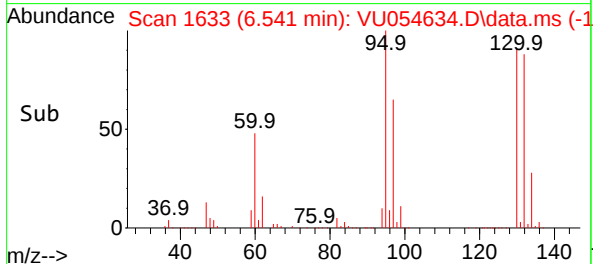
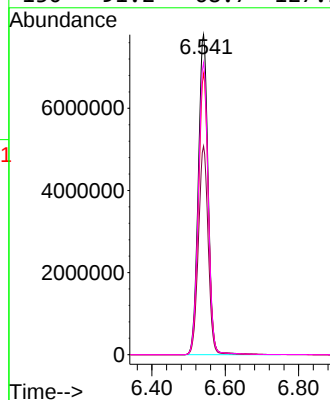
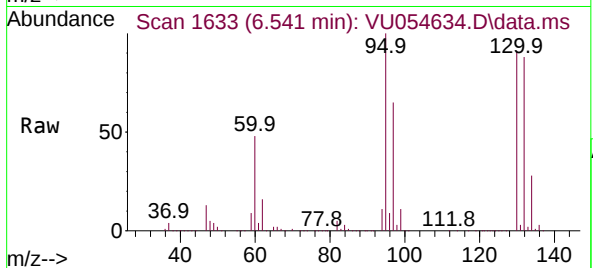


#34
Trichloroethene
Concen: 517.203 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
GCA32

Tgt Ion: 95 Resp:14549118

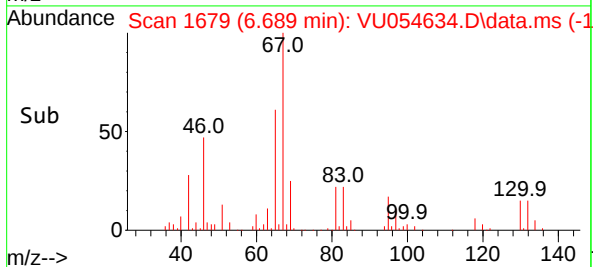
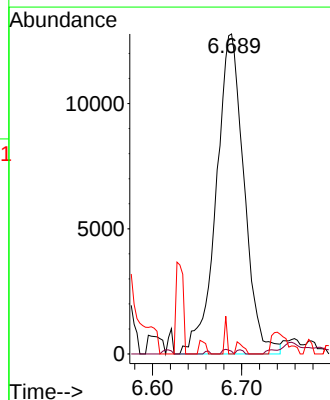
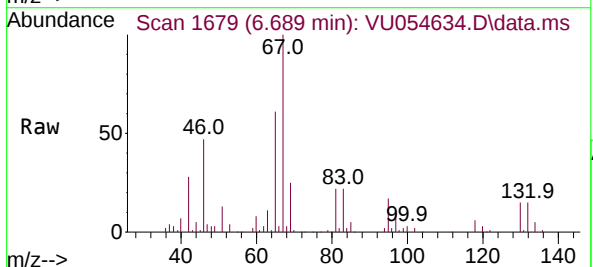
Ion	Ratio	Lower	Upper
95	100		
97	65.2	46.8	87.0
132	87.8	68.4	127.0
130	91.2	68.7	127.5

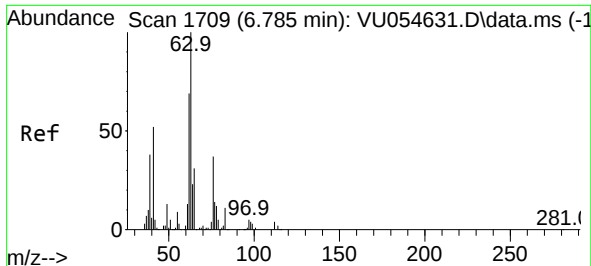


#35
Methylcyclohexane
Concen: 0.652 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Tgt Ion: 83 Resp: 27737

Ion	Ratio	Lower	Upper
83	100		
55	0.4	67.1	100.7#
98	0.0	35.1	52.7#

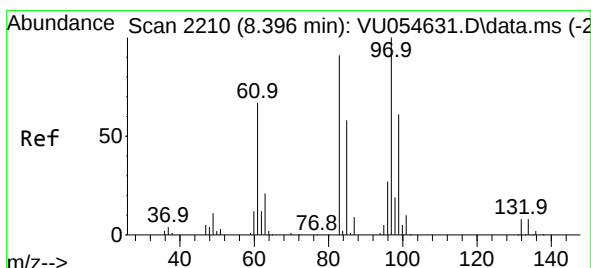
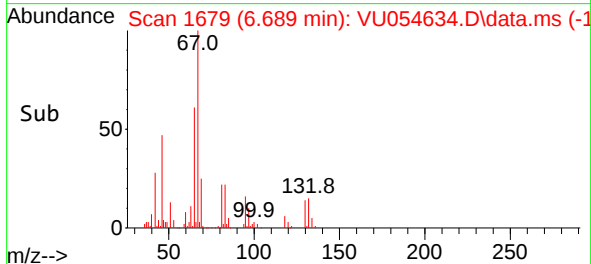
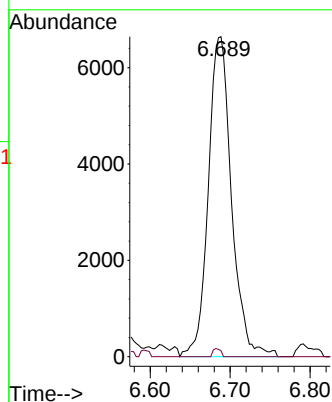
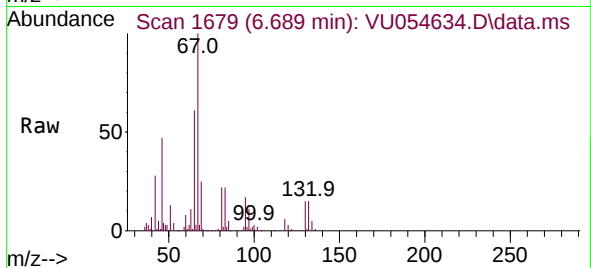




#37
1,2-Dichloropropane
Concen: 0.466 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

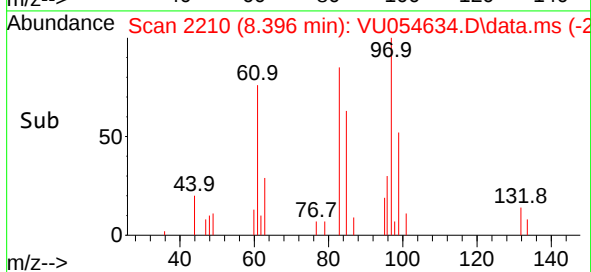
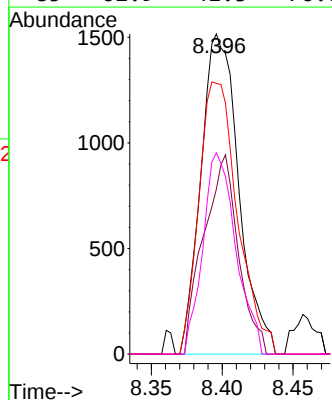
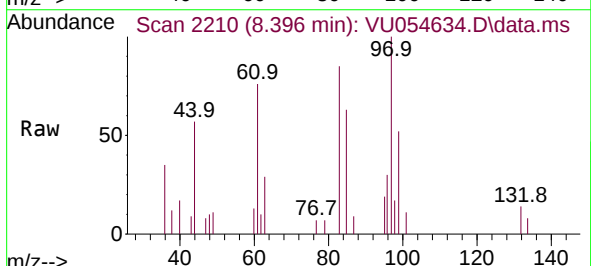
Instrument :
MSVOA_U
ClientSampleId :
GCA32

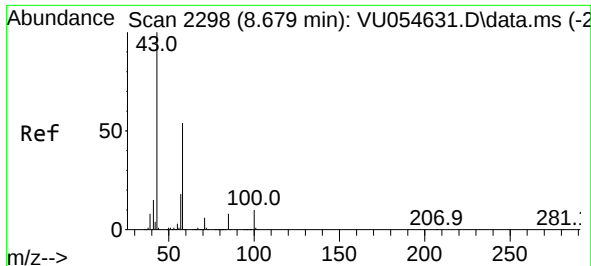
Tgt Ion: 63 Resp: 13413
Ion Ratio Lower Upper
63 100
112 0.8 3.0 4.6#



#45
1,1,2-Trichloroethane
Concen: 0.154 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Tgt Ion: 97 Resp: 2814
Ion Ratio Lower Upper
97 100
99 51.5 43.0 80.0
83 84.6 63.8 118.6
85 62.9 41.3 76.7

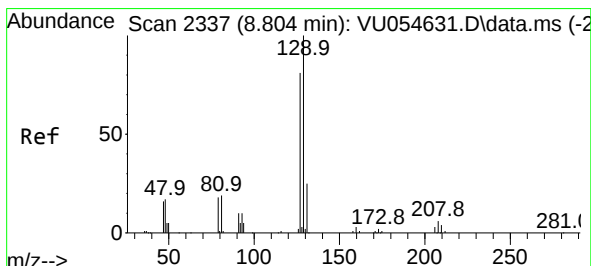
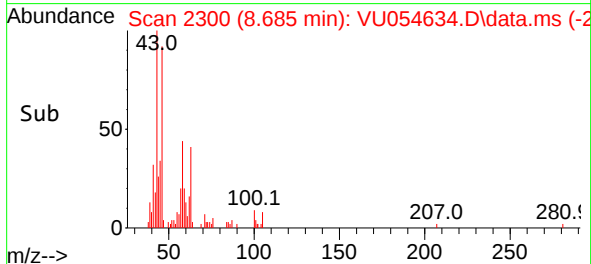
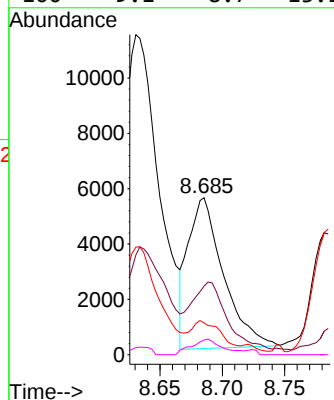
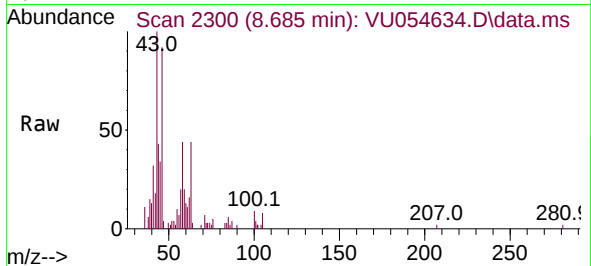




#48
2-Hexanone
Concen: 0.938 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

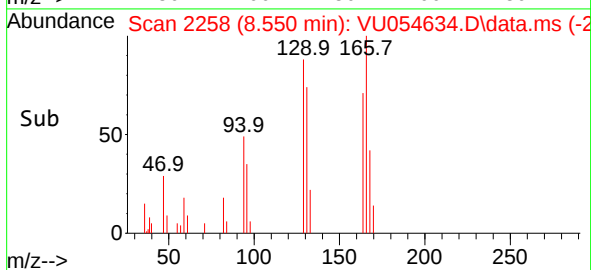
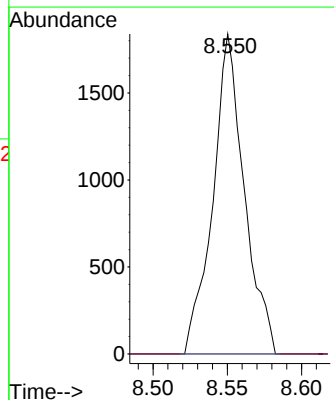
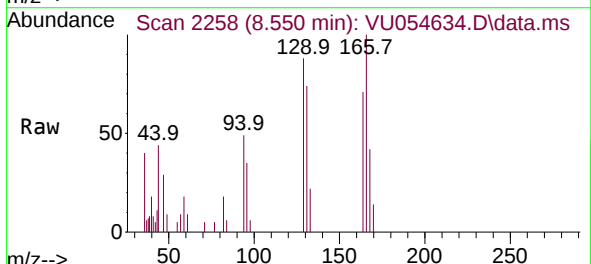
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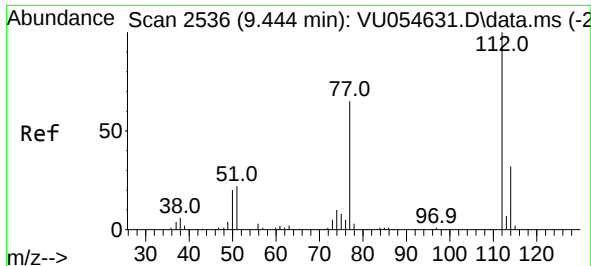
Tgt Ion: 43	Resp: 10728
Ion Ratio	Lower Upper
43 100	
58 46.9	45.2 67.8
57 14.1	15.8 23.6#
100 9.1	8.7 13.1



#49
Dibromochloromethane
Concen: 0.141 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Tgt Ion:129	Resp:	2712	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.2	98.8#

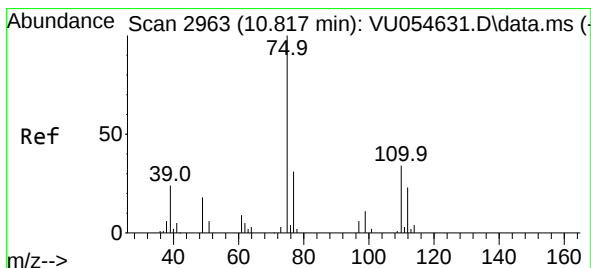
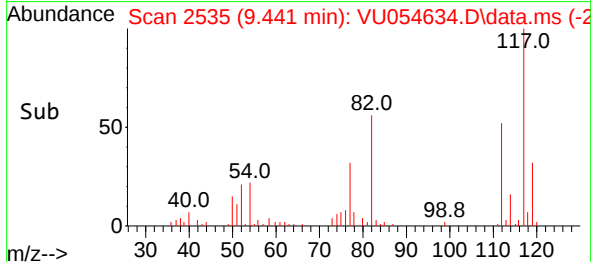
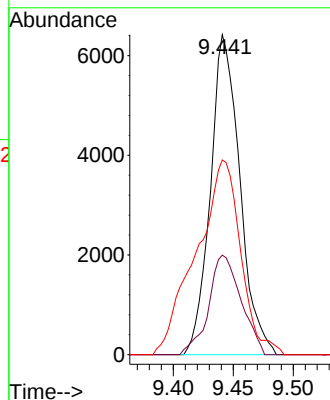
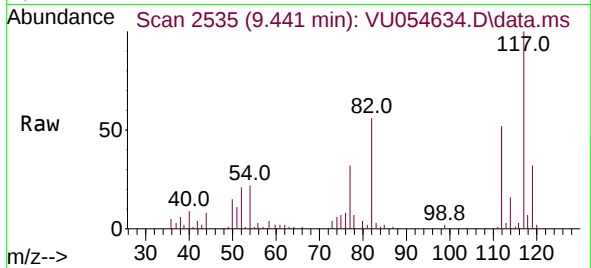




#51
Chlorobenzene
Concen: 0.161 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
GCA32

Tgt Ion:	112	Resp:	10966
Ion Ratio	Lower	Upper	
112	100		
114	31.1	22.7	42.1
77	60.9	49.8	74.8



#61
1,2,3-Trichloropropane
Concen: 1.334 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU054634.D
Acq: 21 Jun 2023 11:28

Tgt Ion:	75	Resp:	19466
Ion Ratio	Lower	Upper	
75	100		
110	3.4	28.0	42.0#
77	29.5	25.4	38.2

