

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061923\
 Data File : VU054595.D
 Acq On : 19 Jun 2023 14:42
 Operator : MD/SY
 Sample : 03284-08DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 20 05:52:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

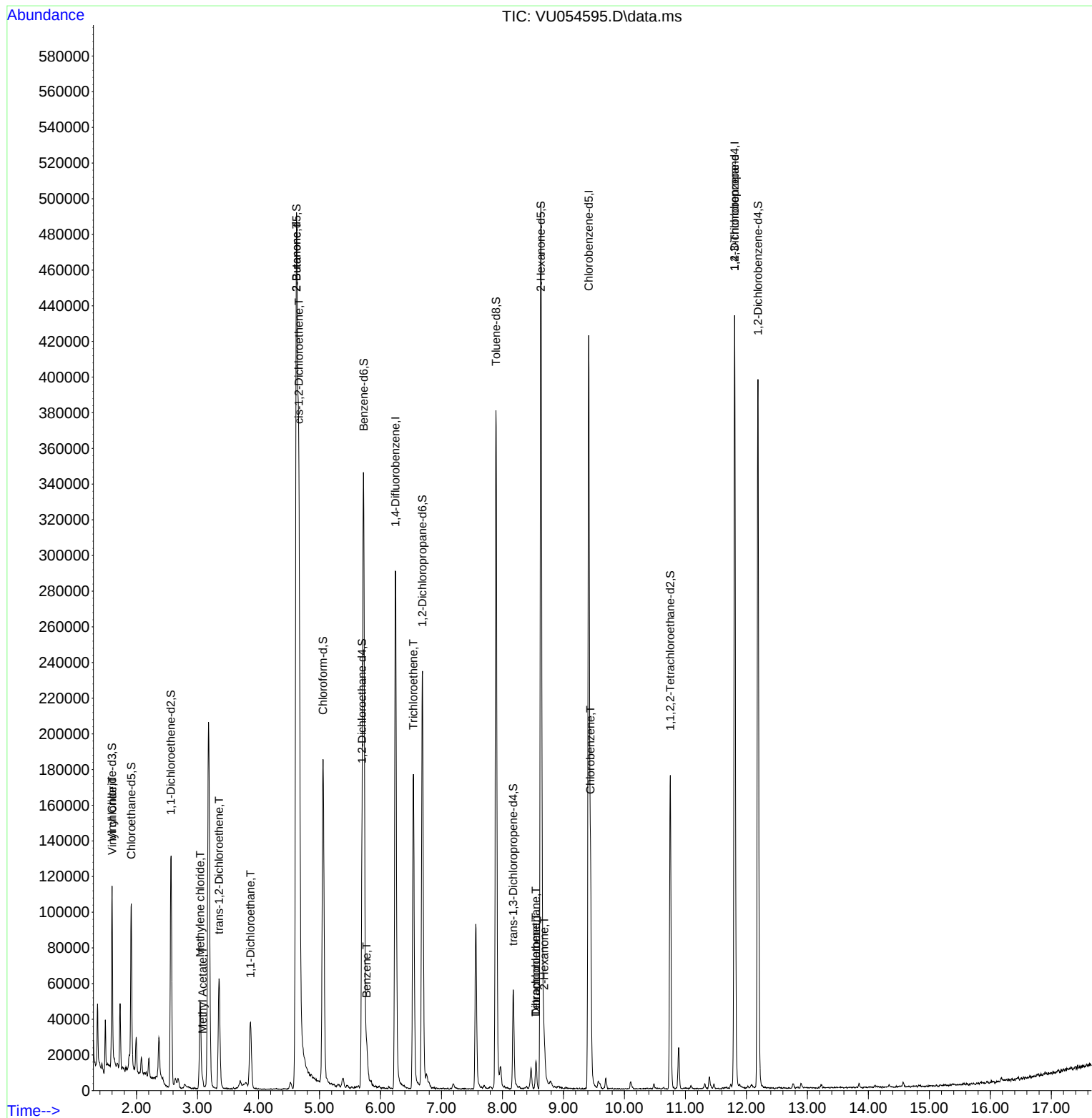
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	247956	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244496	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119186	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	49966	3.166	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.914	69	73183	4.953	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.563	65	25045	3.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.624	46	264453	59.605	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.220%
24) Chloroform-d	5.058	84	173275	5.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.698	65	87506	5.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.724	84	324793	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.689	67	115816	5.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.894	98	261679	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	8.177	79	34634	4.388	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.631	63	175632	53.038	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91315	5.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	106524	5.299	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
5) Vinyl chloride	1.602	62	10574	0.387	ug/L #	66
15) Methyl Acetate	3.084	43	2914	0.376	ug/L #	52
16) Methylene chloride	3.042	84	23994	0.949	ug/L	91
18) trans-1,2-Dichloroethene	3.354	96	24923	1.342	ug/L	91
19) 1,1-Dichloroethane	3.869	63	44938	1.169	ug/L	97
21) 2-Butanone	4.624	43	16671	3.071	ug/L #	63
22) cis-1,2-Dichloroethene	4.663	96	132401	6.262	ug/L	96
33) Benzene	5.775	78	14555	0.166	ug/L	100
34) Trichloroethene	6.541	95	61684	2.655	ug/L	96
47) Tetrachloroethene	8.550	164	3696	0.208	ug/L	88
48) 2-Hexanone	8.685	43	11932	1.263	ug/L #	86
49) Dibromochloromethane	8.550	129	3596	0.227	ug/L #	11
51) Chlorobenzene	9.444	112	64047	1.135	ug/L	97
61) 1,2,3-Trichloropropane	11.807	75	14850	1.233	ug/L #	70

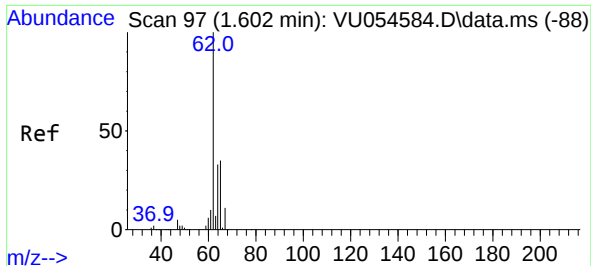
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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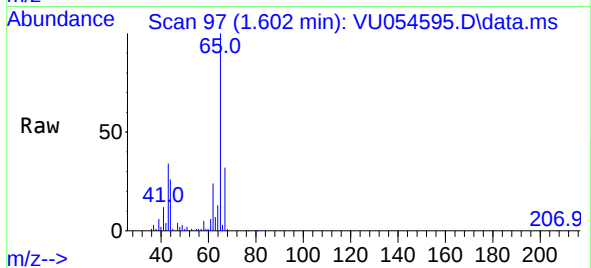
Quant Time: Jun 20 05:52:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
Quant Title : TRACE VOA SFAM1.0
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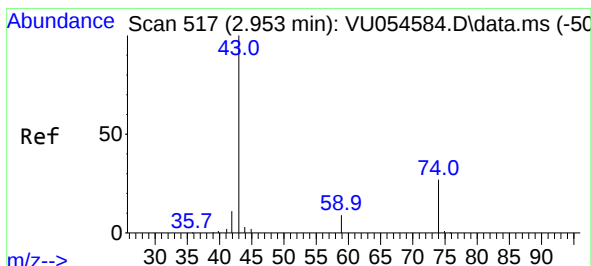
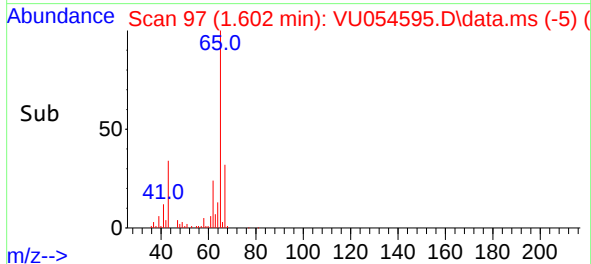
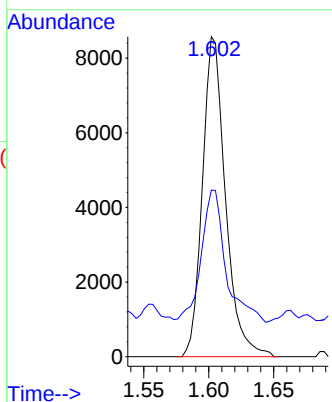


#5
 Vinyl chloride
 Concen: 0.387 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054595.D
 Acq: 19 Jun 2023 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

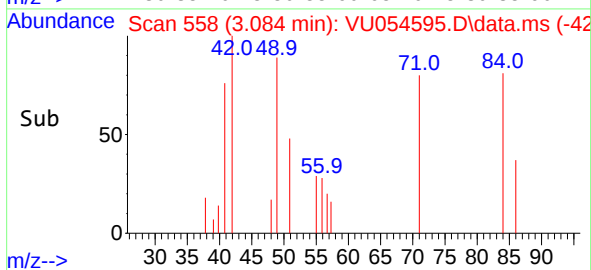
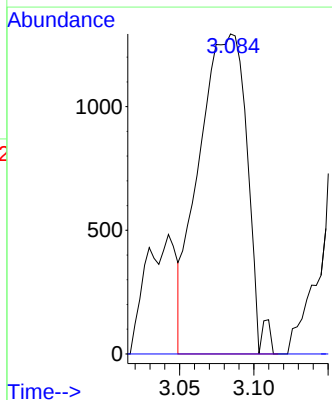
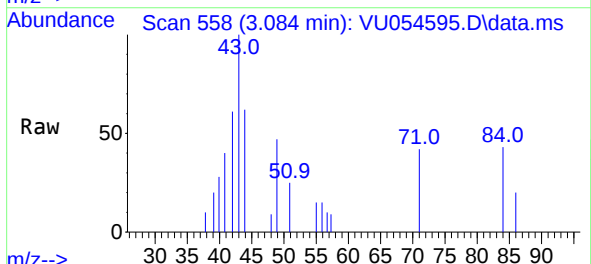


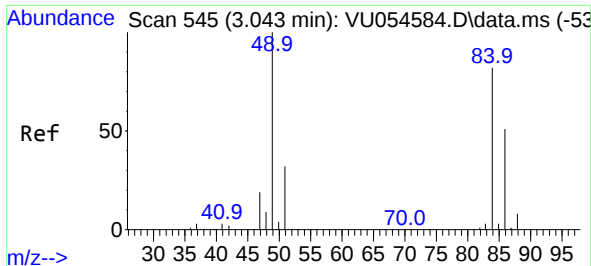
Tgt Ion: 62 Resp: 10574
 Ion Ratio Lower Upper
 62 100
 64 52.1 23.0 42.6#



#15
 Methyl Acetate
 Concen: 0.376 ug/L
 RT: 3.084 min Scan# 558
 Delta R.T. 0.129 min
 Lab File: VU054595.D
 Acq: 19 Jun 2023 14:42

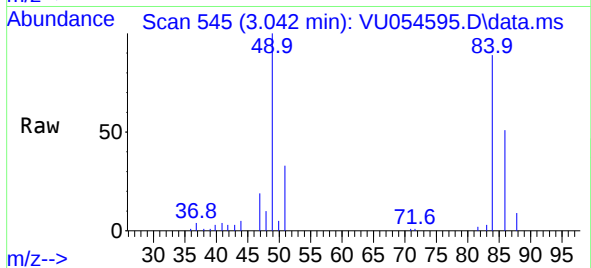
Tgt Ion: 43 Resp: 2914
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.0 28.6#



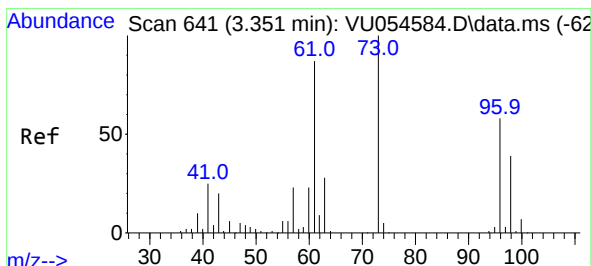
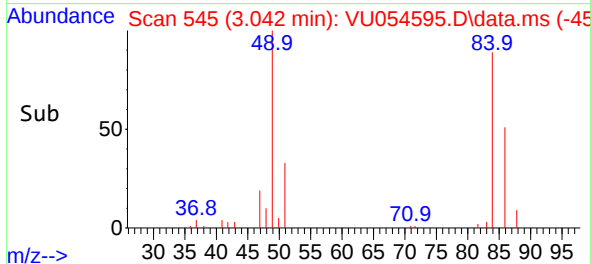
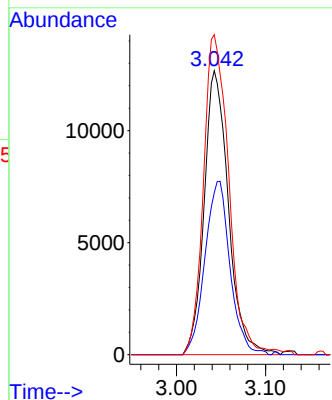


#16
Methylene chloride
Concen: 0.949 ug/L
RT: 3.042 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Instrument :
MSVOA_U
ClientSampleId :

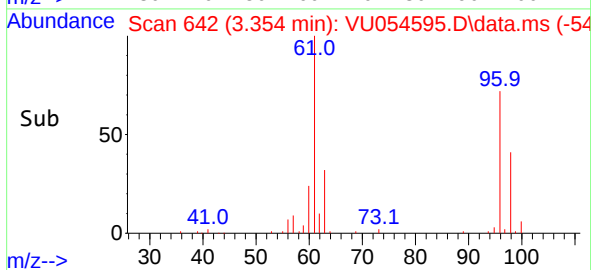
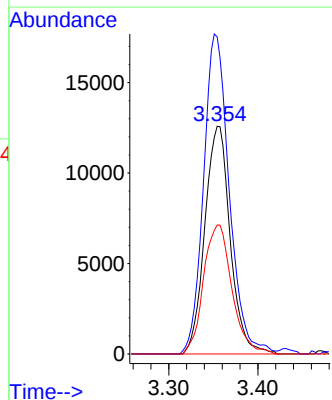
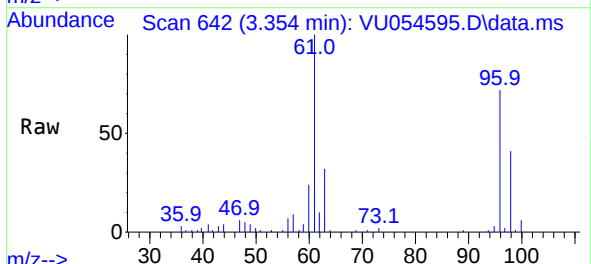


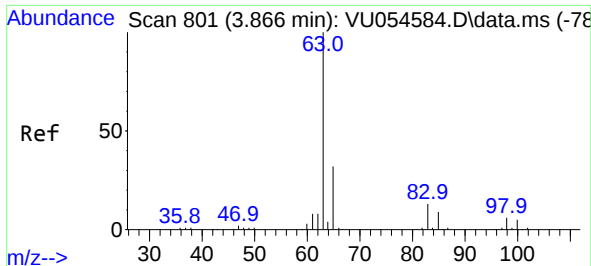
Tgt Ion: 84 Resp: 23994
Ion Ratio Lower Upper
84 100
86 57.0 43.9 81.5
49 112.7 86.1 159.9



#18
trans-1,2-Dichloroethene
Concen: 1.342 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Tgt Ion: 96 Resp: 24923
Ion Ratio Lower Upper
96 100
61 139.3 104.6 194.2
98 56.7 45.4 84.4

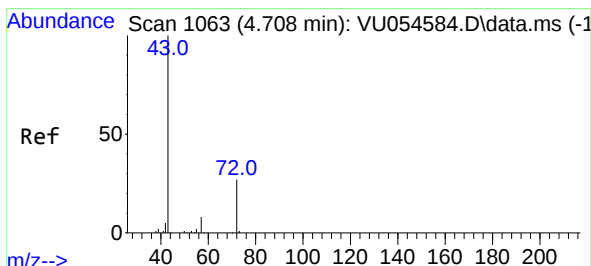
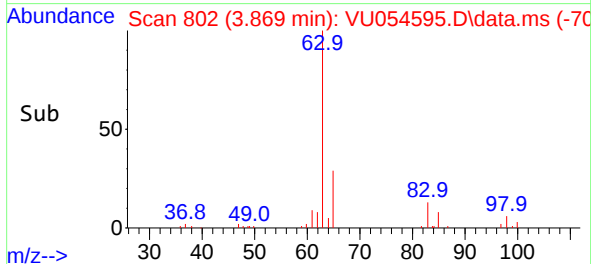
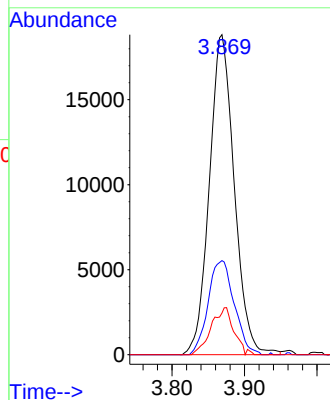
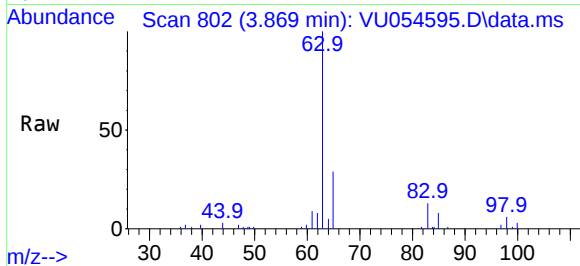




#19
1,1-Dichloroethane
Concen: 1.169 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

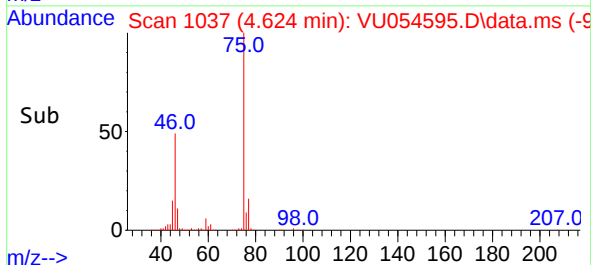
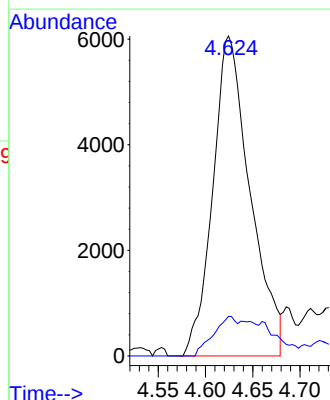
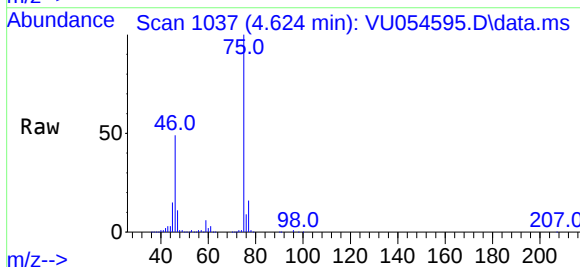
Instrument :
MSVOA_U
ClientSampleId :

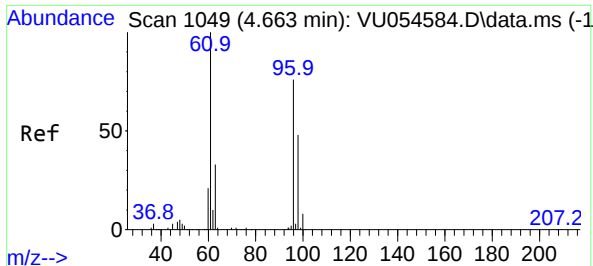
Tgt Ion: 63 Resp: 44938
Ion Ratio Lower Upper
63 100
65 29.4 22.2 41.2
83 13.0 9.0 16.6



#21
2-Butanone
Concen: 3.071 ug/L
RT: 4.624 min Scan# 1037
Delta R.T. -0.084 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

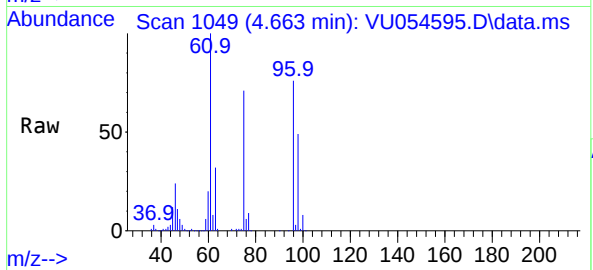
Tgt Ion: 43 Resp: 16671
Ion Ratio Lower Upper
43 100
72 7.7 13.4 40.1#





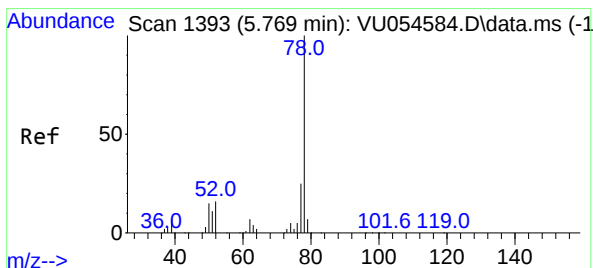
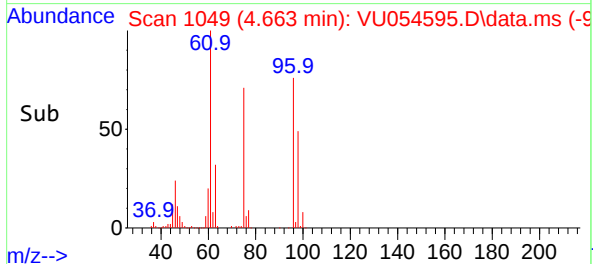
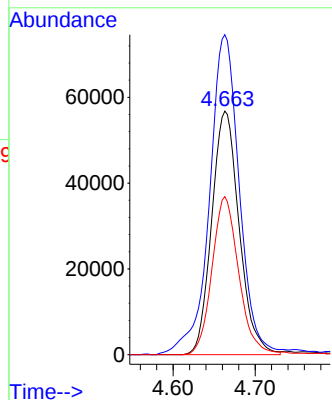
#22
 cis-1,2-Dichloroethene
 Concen: 6.262 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054595.D
 Acq: 19 Jun 2023 14:42

Instrument :
 MSVOA_U
 ClientSampleId :



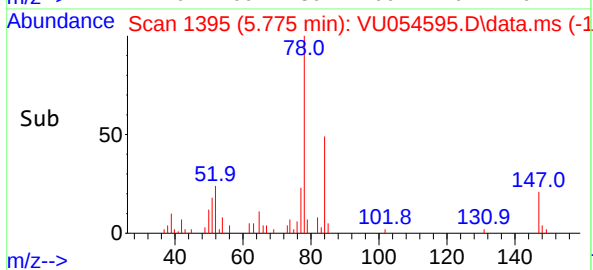
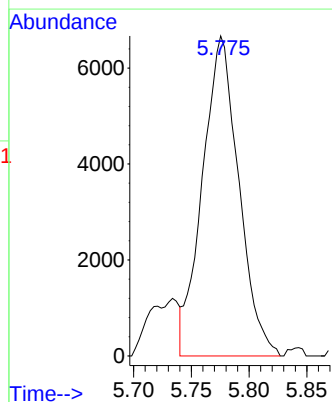
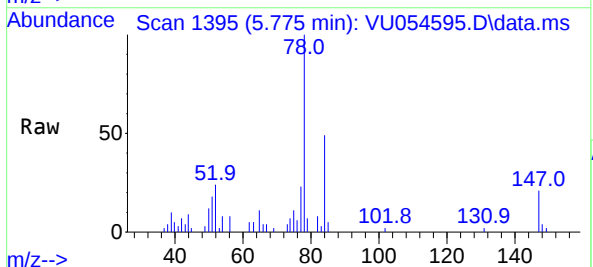
Tgt Ion: 96 Resp: 132401

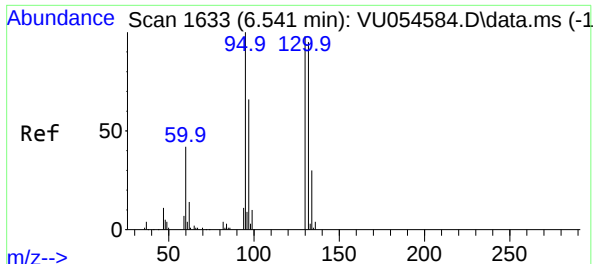
Ion	Ratio	Lower	Upper
96	100		
61	131.4	96.5	179.1
98	64.9	44.9	83.3



#33
 Benzene
 Concen: 0.166 ug/L
 RT: 5.775 min Scan# 1395
 Delta R.T. 0.003 min
 Lab File: VU054595.D
 Acq: 19 Jun 2023 14:42

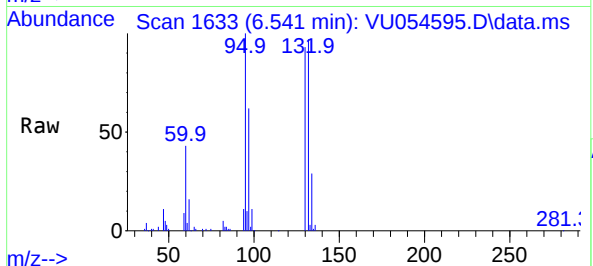
Tgt Ion: 78 Resp: 14555





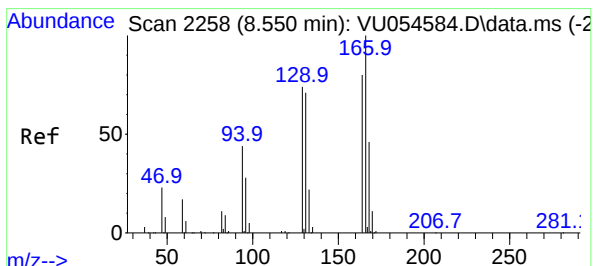
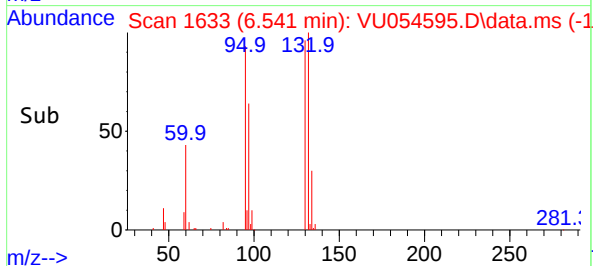
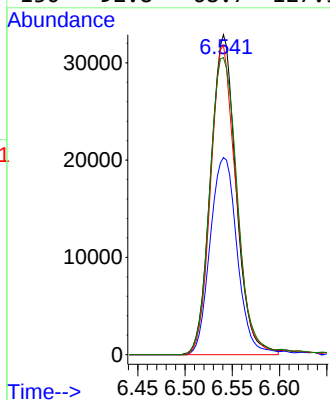
#34
Trichloroethene
Concen: 2.655 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 61684

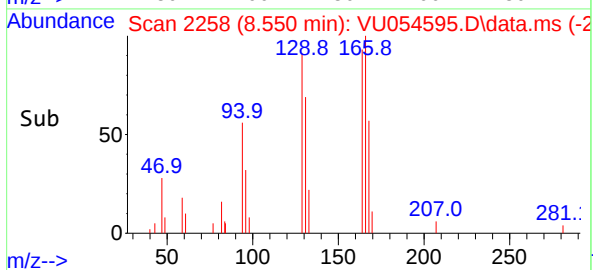
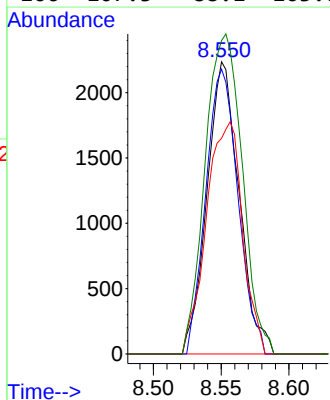
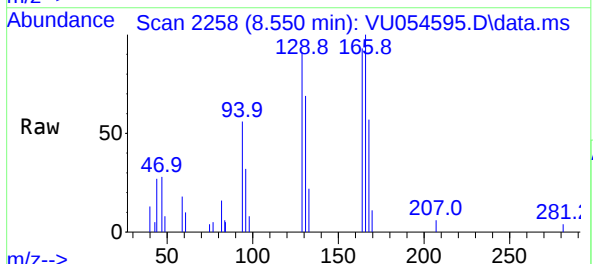
Ion	Ratio	Lower	Upper
95	100		
97	61.6	46.8	87.0
132	96.7	68.4	127.0
130	92.8	68.7	127.5

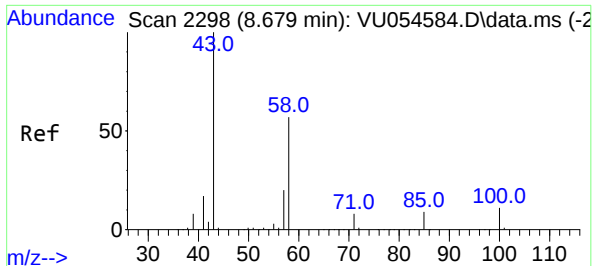


#47
Tetrachloroethene
Concen: 0.208 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Tgt Ion: 164 Resp: 3696

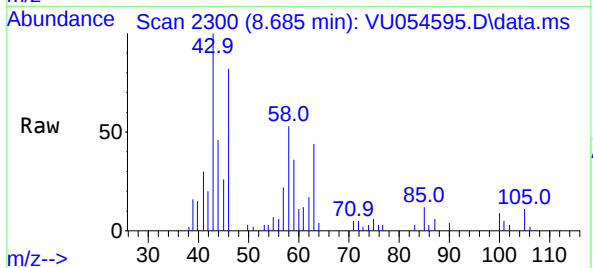
Ion	Ratio	Lower	Upper
164	100		
129	97.5	67.7	125.7
131	73.8	64.6	120.0
166	107.3	88.1	163.7



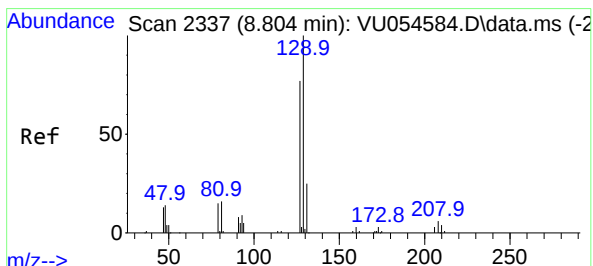
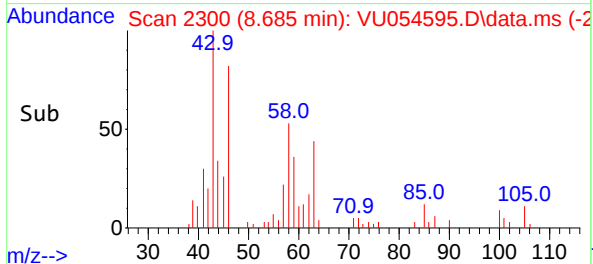
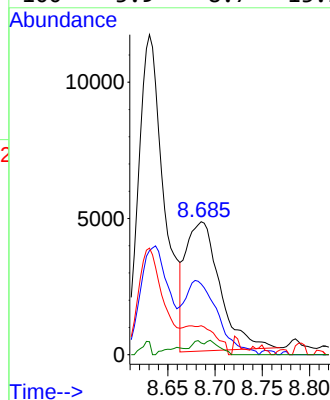


#48
2-Hexanone
Concen: 1.263 ug/L
RT: 8.685 min Scan# 21932
Delta R.T. 0.006 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Instrument :
MSVOA_U
ClientSampleId :

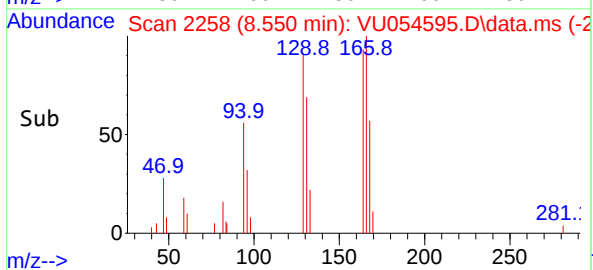
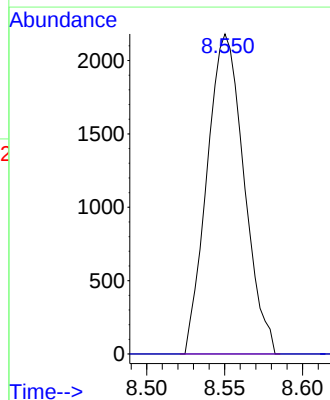
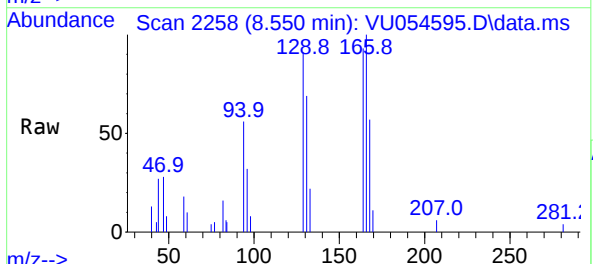


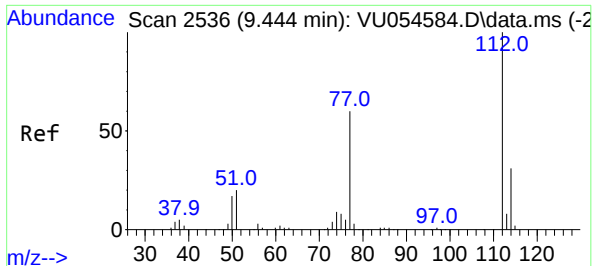
Tgt Ion: 43 Resp: 11932
Ion Ratio Lower Upper
43 100
58 54.6 45.2 67.8
57 0.0 15.8 23.6#
100 3.9 8.7 13.1#



#49
Dibromochloromethane
Concen: 0.227 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

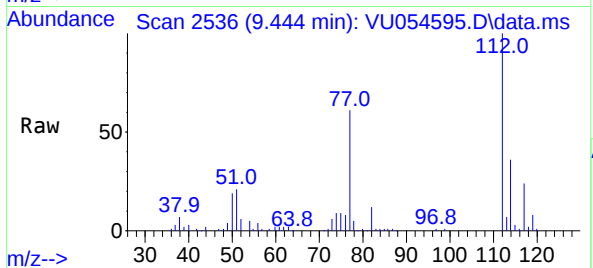
Tgt Ion: 129 Resp: 3596
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#



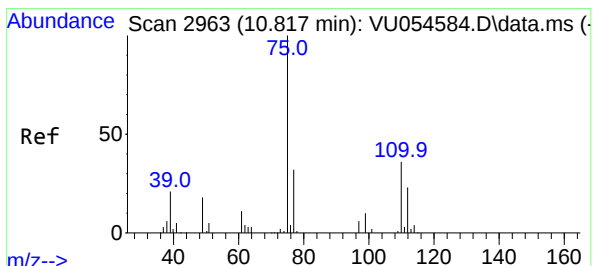
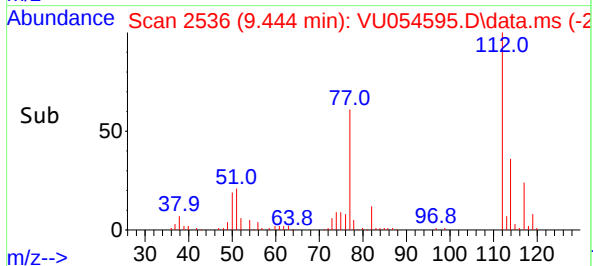
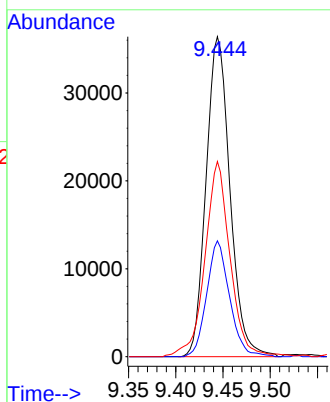


#51
Chlorobenzene
Concen: 1.135 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:112 Resp: 64047
Ion Ratio Lower Upper
112 100
114 36.2 22.7 42.1
77 61.0 49.8 74.8



#61
1,2,3-Trichloropropane
Concen: 1.233 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Tgt Ion: 75 Resp: 14850
Ion Ratio Lower Upper
75 100
110 3.4 28.0 42.0#
77 30.0 25.4 38.2

