

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054541.D
 Acq On : 15 Jun 2023 22:18
 Operator : MD/SY
 Sample : 03253-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX1

Quant Time: Jun 16 02:43:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	262224	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	258355	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123005	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	56588	3.391	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.800%
7) Chloroethane-d5	1.914	69	75447	4.829	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.566	65	27067	3.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.631	46	243438	51.883	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.760%
24) Chloroform-d	5.058	84	168331	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.698	65	85090	5.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.724	84	323752	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.688	67	114279	4.765	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.894	98	264957	4.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	8.177	79	32463	3.892	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.630	63	161341	46.109	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.220%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87459	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	103262	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%

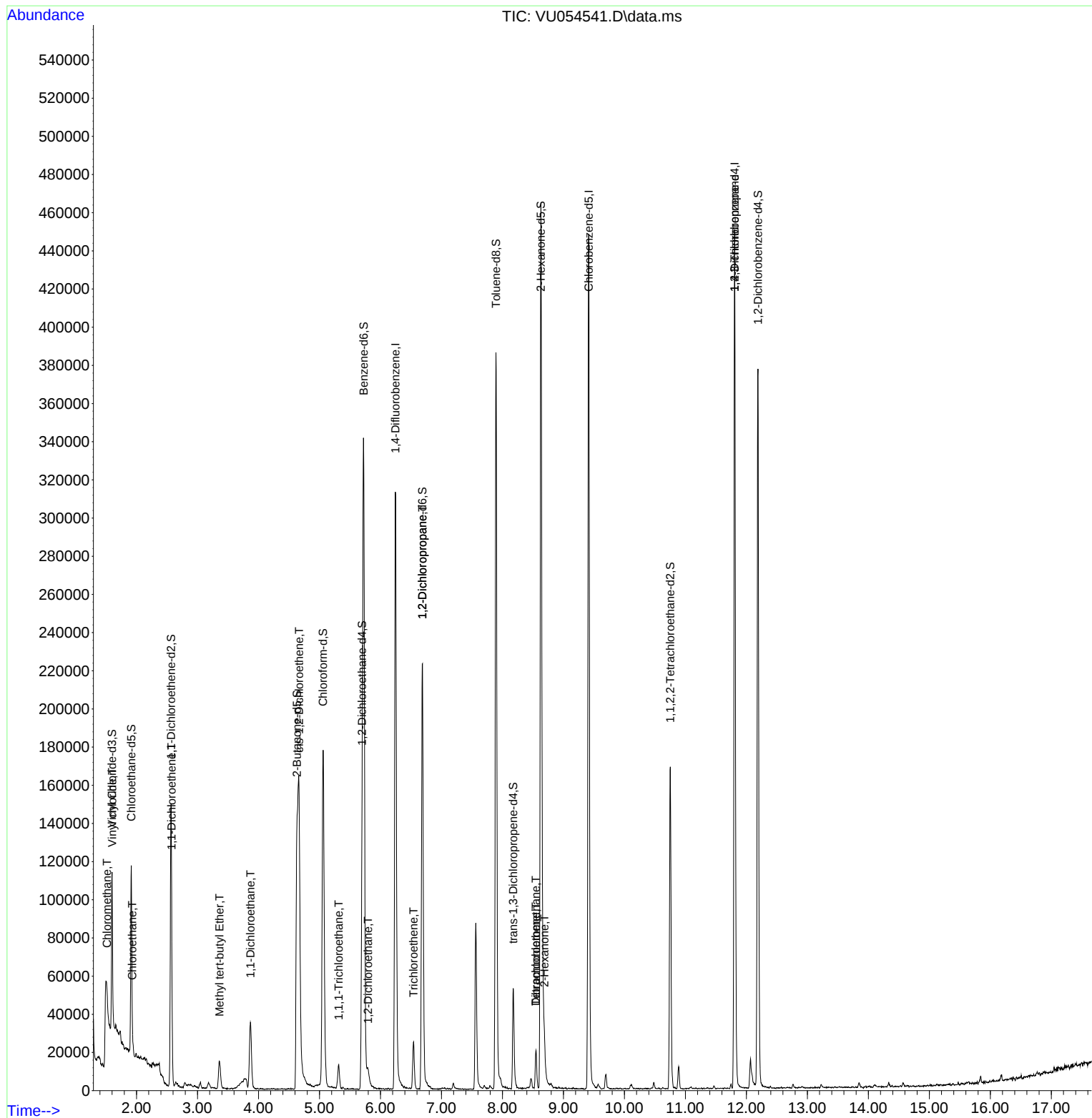
Target Compounds				Qvalue		
3) Chloromethane	1.518	50	3866	0.137	ug/L #	81
5) Vinyl chloride	1.602	62	5068	0.175	ug/L #	1
8) Chloroethane	1.933	64	3554	0.205	ug/L #	58
12) 1,1-Dichloroethene	2.576	96	4140	0.218	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	12237	0.261	ug/L	98
19) 1,1-Dichloroethane	3.869	63	41252	1.015	ug/L	93
22) cis-1,2-Dichloroethene	4.666	96	58464	2.614	ug/L	95
27) 1,2-Dichloroethane	5.795	62	5116	0.218	ug/L #	74
29) 1,1,1-Trichloroethane	5.315	97	8491	0.242	ug/L	94
34) Trichloroethene	6.544	95	8834	0.360	ug/L #	78
37) 1,2-Dichloropropane	6.688	63	12084	0.481	ug/L #	90
47) Tetrachloroethene	8.550	164	4476	0.238	ug/L	88
48) 2-Hexanone	8.688	43	12767	1.279	ug/L #	90
49) Dibromochloromethane	8.550	129	4365	0.260	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	14543	1.170	ug/L #	68

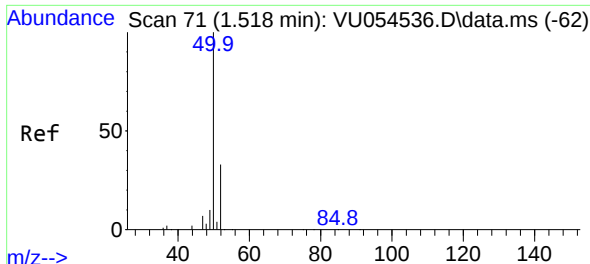
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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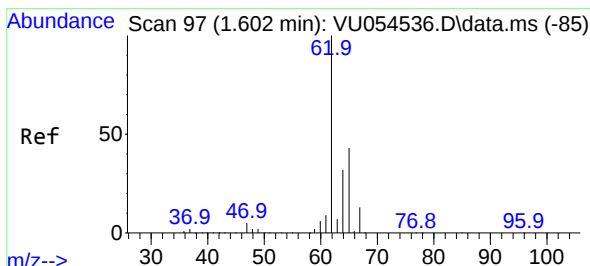
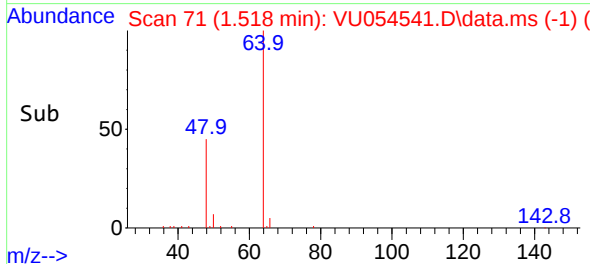
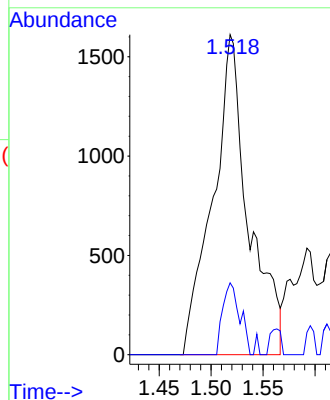
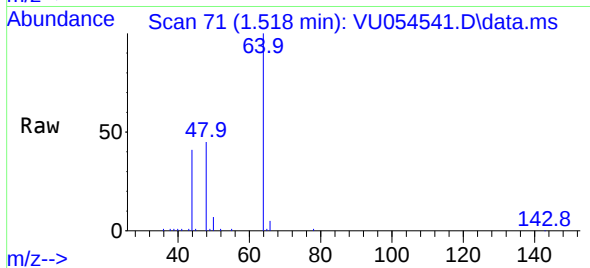




#3
Chloromethane
Concen: 0.137 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

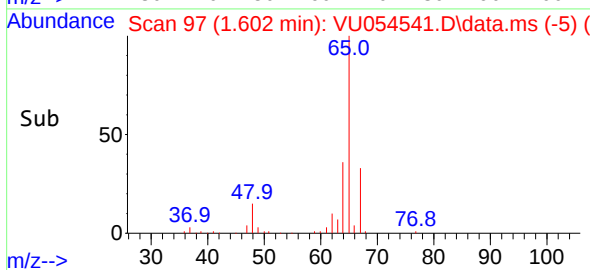
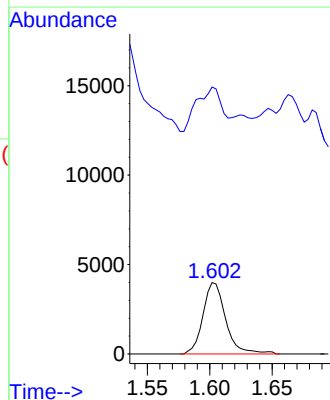
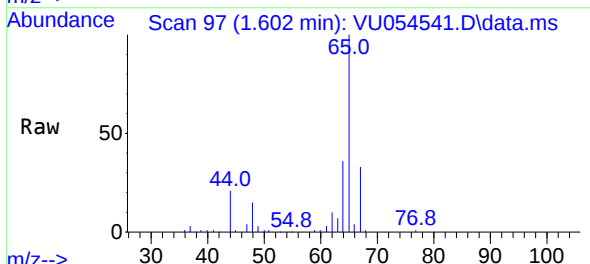
Instrument :
MSVOA_U
ClientSampleId :
EXYX1

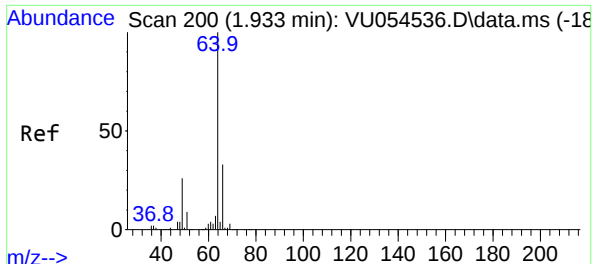
Tgt Ion: 50 Resp: 3866
Ion Ratio Lower Upper
50 100
52 22.5 23.4 43.4#



#5
Vinyl chloride
Concen: 0.175 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion: 62 Resp: 5068
Ion Ratio Lower Upper
62 100
64 373.8 23.0 42.6#

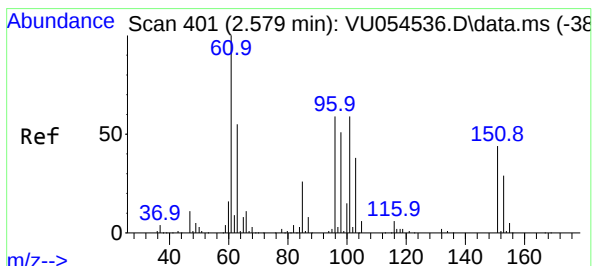
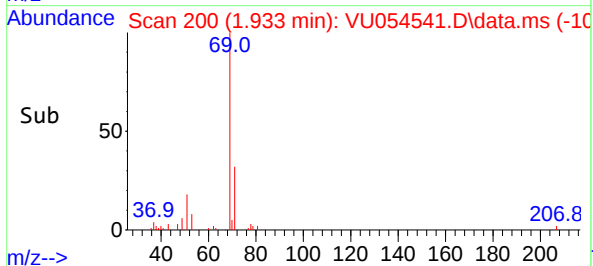
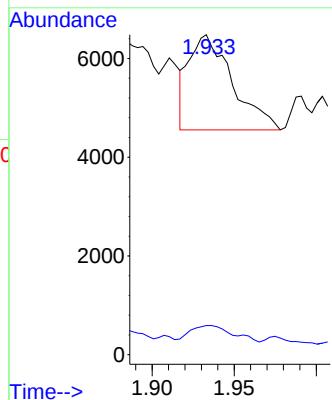
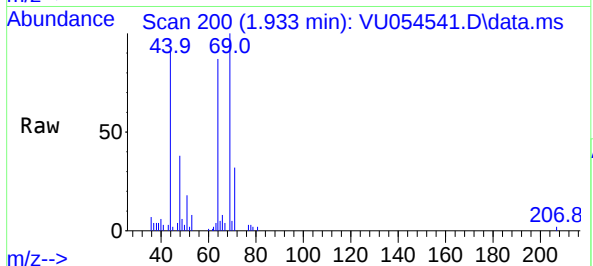




#8
Chloroethane
Concen: 0.205 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

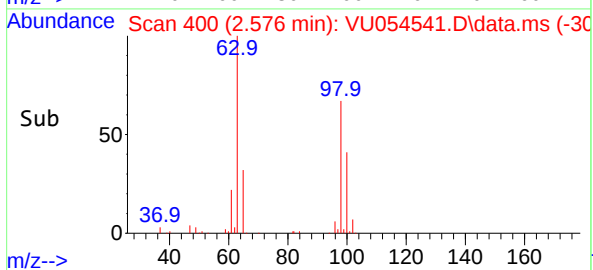
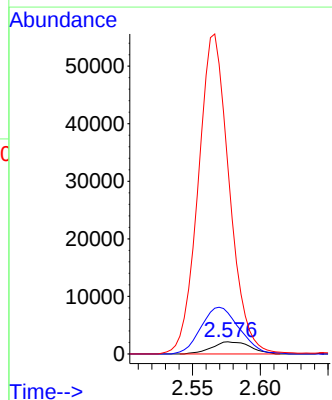
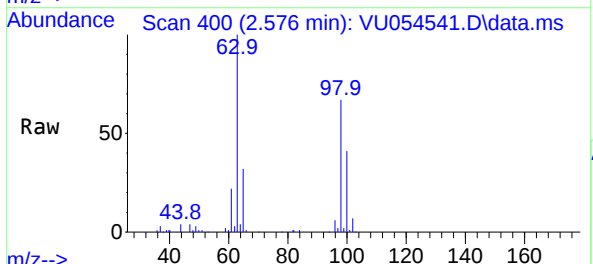
Instrument :
MSVOA_U
ClientSampleId :
EXYX1

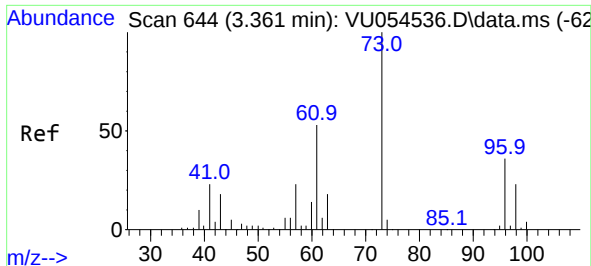
Tgt Ion: 64 Resp: 3554
Ion Ratio Lower Upper
64 100
66 9.1 22.9 42.5#



#12
1,1-Dichloroethene
Concen: 0.218 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion: 96 Resp: 4140
Ion Ratio Lower Upper
96 100
61 340.2 119.9 222.7#
63 1549.0 64.3 119.3#



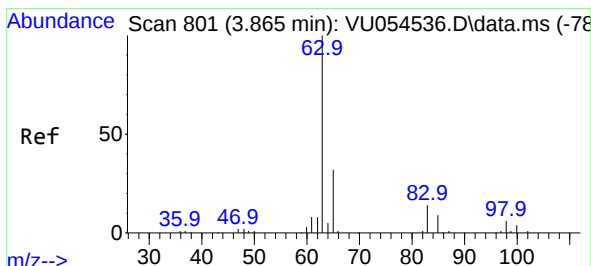
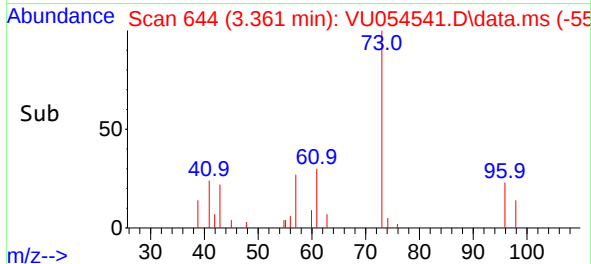
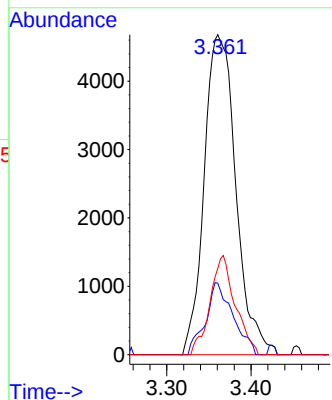
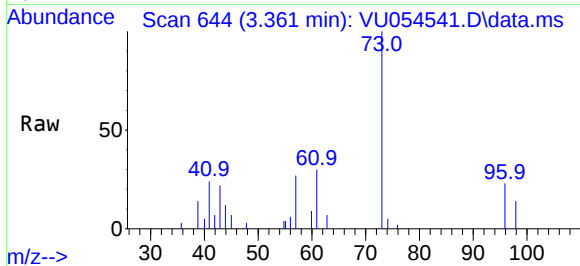


#17
Methyl tert-butyl Ether
Concen: 0.261 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Instrument :
MSVOA_U
ClientSampleId :
EXYX1

Tgt Ion: 73 Resp: 12237

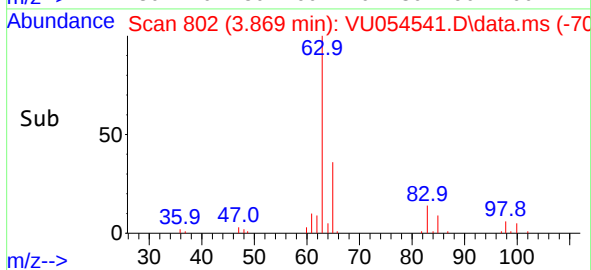
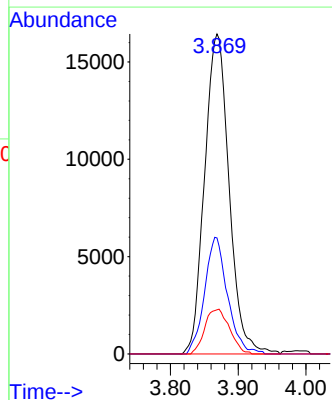
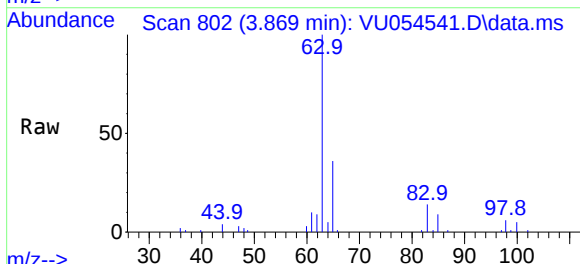
Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.7	23.5
57	24.7	18.6	28.0

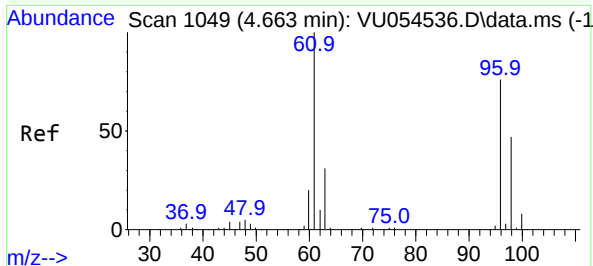


#19
1,1-Dichloroethane
Concen: 1.015 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion: 63 Resp: 41252

Ion	Ratio	Lower	Upper
63	100		
65	36.9	22.2	41.2
83	13.8	9.0	16.6

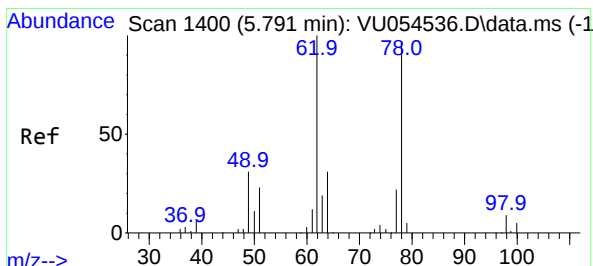
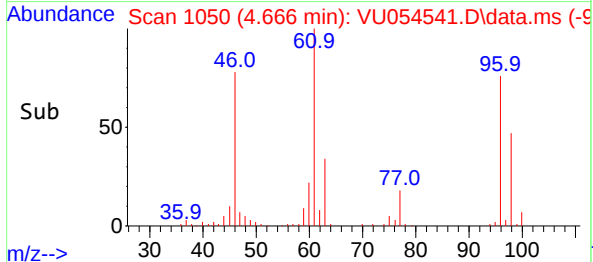
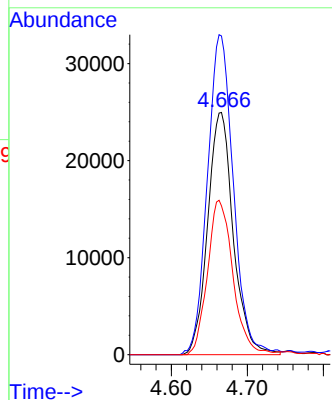
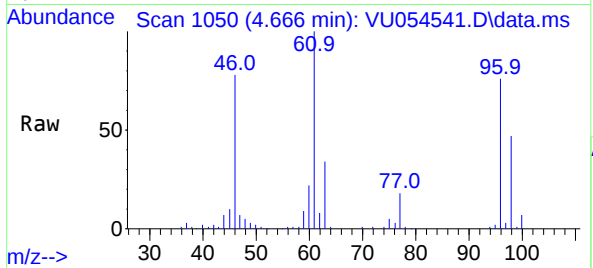




#22
 cis-1,2-Dichloroethene
 Concen: 2.614 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU054541.D
 Acq: 15 Jun 2023 22:18

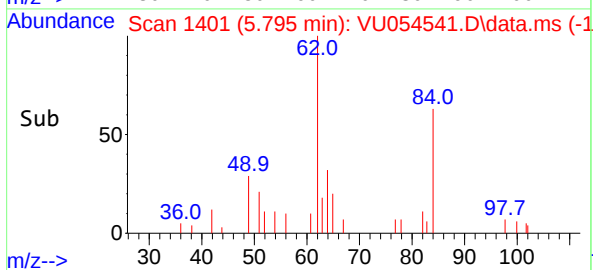
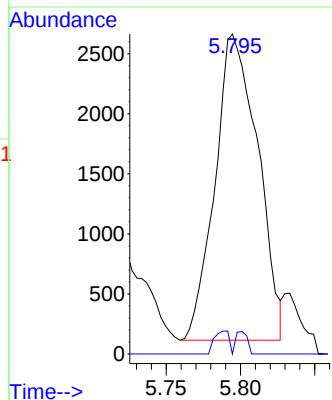
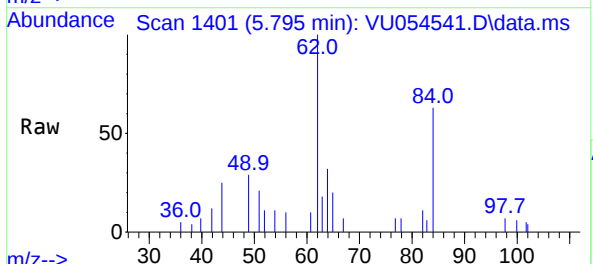
Instrument :
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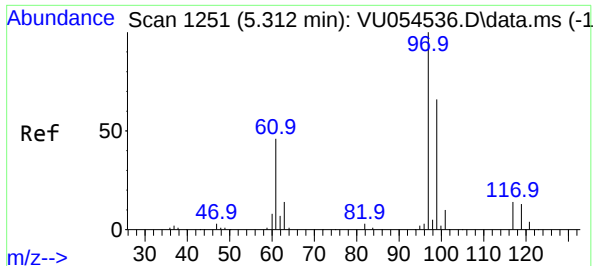
Tgt Ion: 96 Resp: 58464
 Ion Ratio Lower Upper
 96 100
 61 131.6 96.5 179.1
 98 61.4 44.9 83.3



#27
 1,2-Dichloroethane
 Concen: 0.218 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.003 min
 Lab File: VU054541.D
 Acq: 15 Jun 2023 22:18

Tgt Ion: 62 Resp: 5116
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#

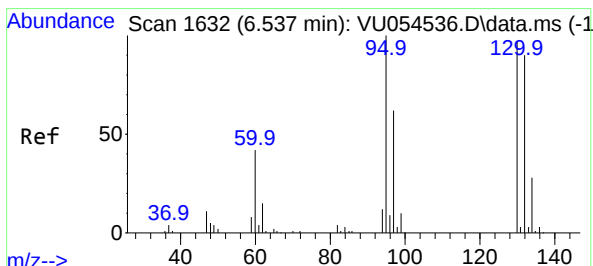
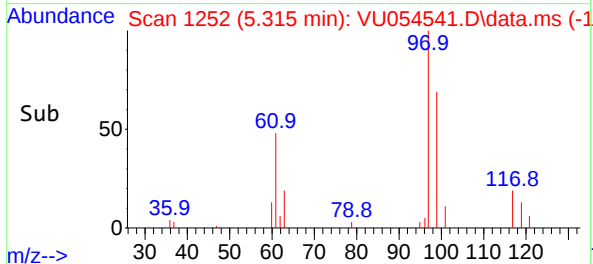
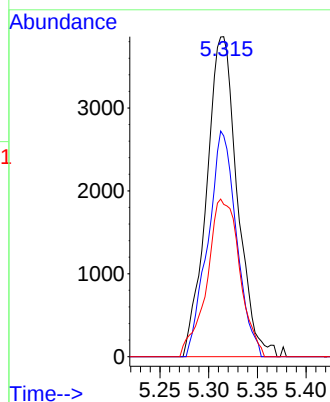
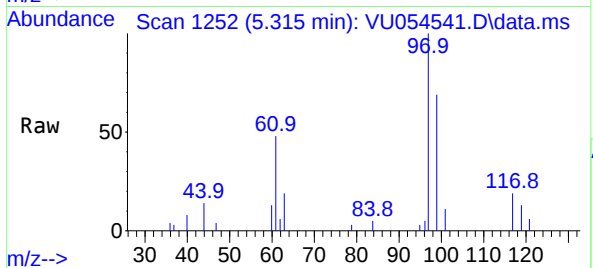




#29
1,1,1-Trichloroethane
Concen: 0.242 ug/L
RT: 5.315 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

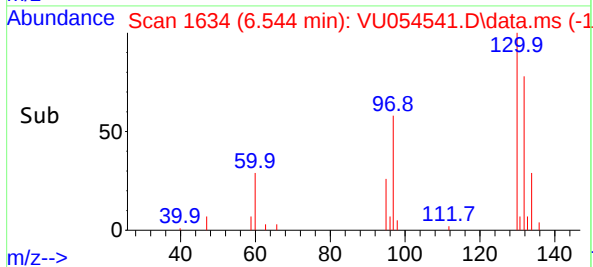
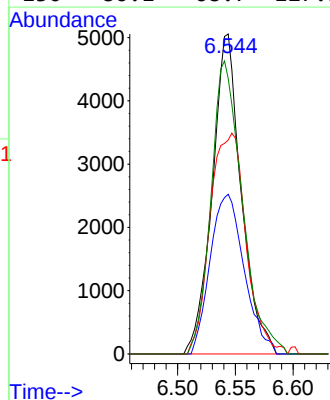
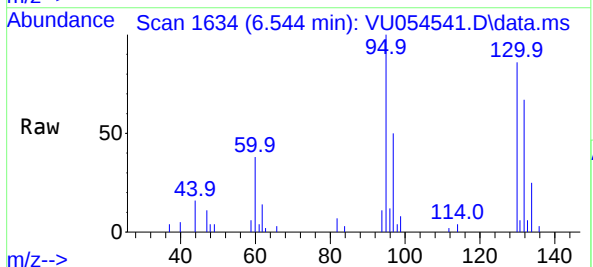
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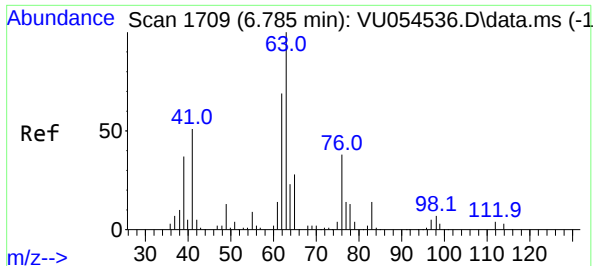
Tgt Ion: 97 Resp: 8491
Ion Ratio Lower Upper
97 100
99 65.1 50.8 76.2
61 52.3 36.1 54.1



#34
Trichloroethene
Concen: 0.360 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. 0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion: 95 Resp: 8834
Ion Ratio Lower Upper
95 100
97 49.9 46.8 87.0
132 66.8 68.4 127.0#
130 86.1 68.7 127.5

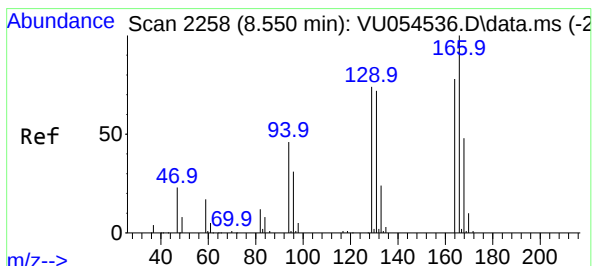
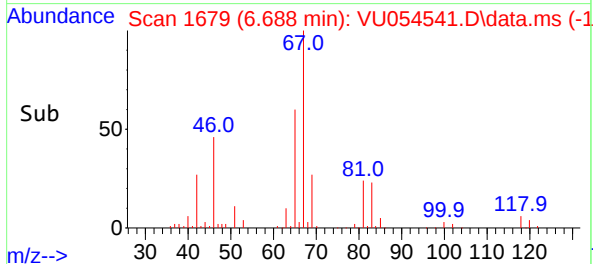
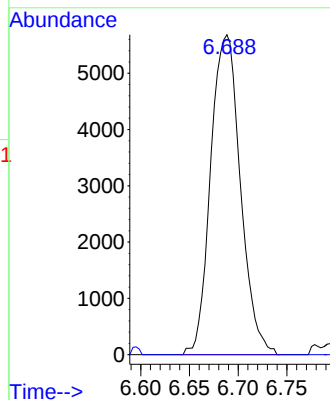
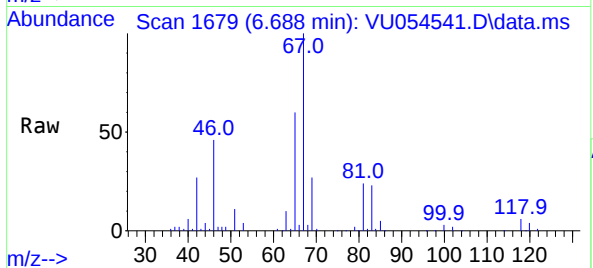




#37
1,2-Dichloropropane
Concen: 0.481 ug/L
RT: 6.688 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

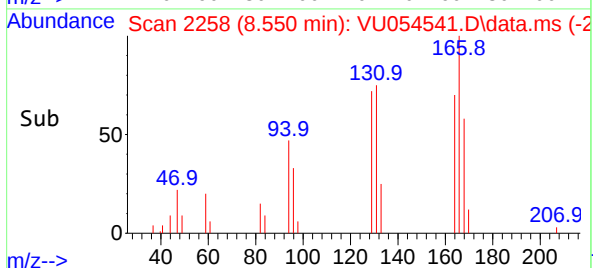
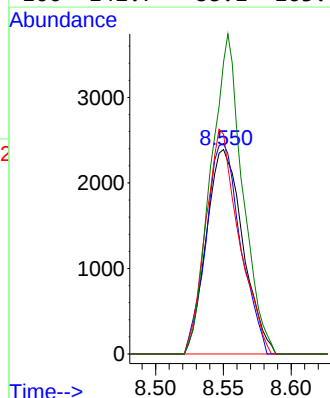
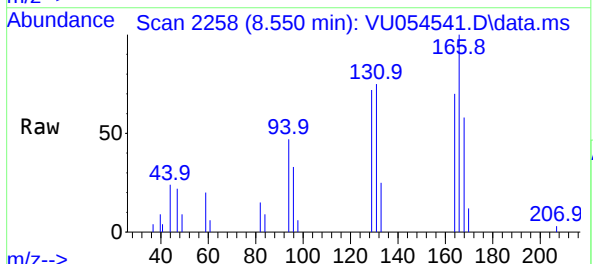
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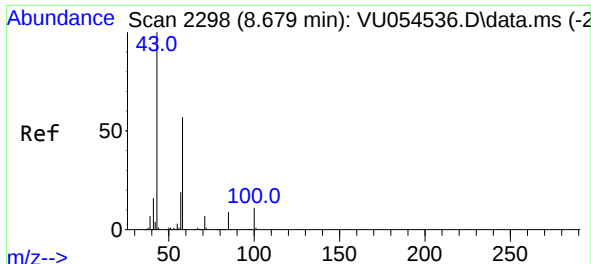
Tgt Ion: 63 Resp: 12084
Ion Ratio Lower Upper
63 100
112 0.6 3.0 4.6#



#47
Tetrachloroethene
Concen: 0.238 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion:164 Resp: 4476
Ion Ratio Lower Upper
164 100
129 102.9 67.7 125.7
131 107.4 64.6 120.0
166 142.7 88.1 163.7





#48

2-Hexanone

Concen: 1.279 ug/L

RT: 8.688 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU054541.D

Acq: 15 Jun 2023 22:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX1

Tgt Ion: 43 Resp: 12767

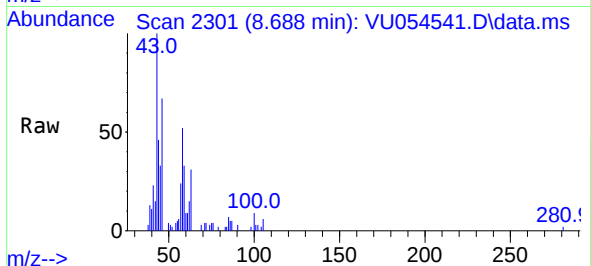
Ion Ratio Lower Upper

43 100

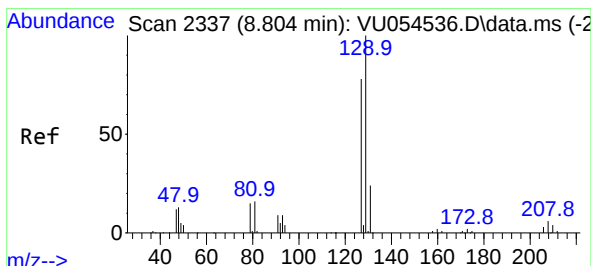
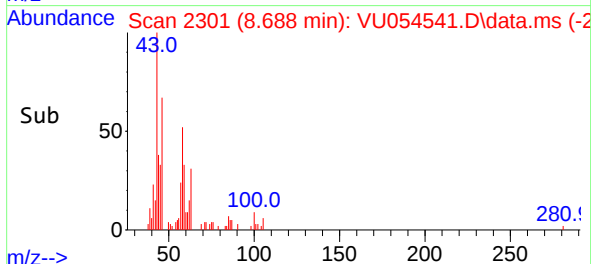
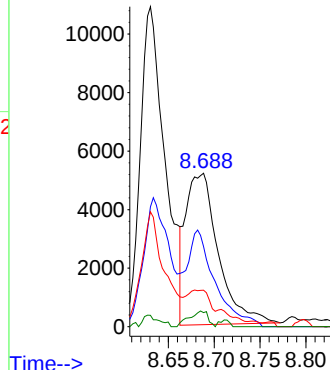
58 52.5 45.2 67.8

57 10.3 15.8 23.6#

100 5.9 8.7 13.1#



Abundance



#49

Dibromochloromethane

Concen: 0.260 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.254 min

Lab File: VU054541.D

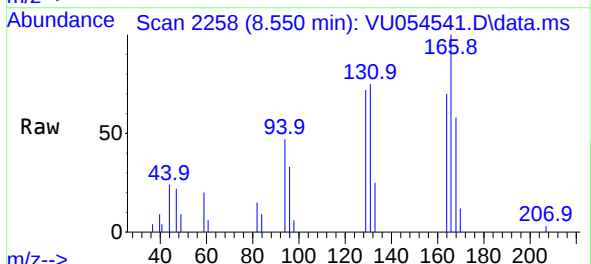
Acq: 15 Jun 2023 22:18

Tgt Ion: 129 Resp: 4365

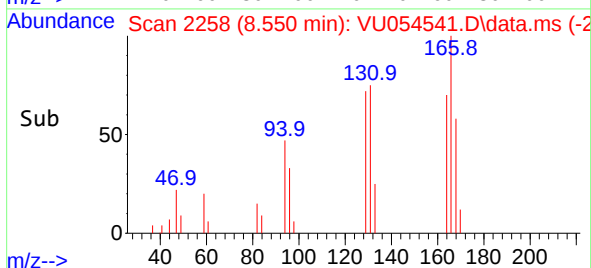
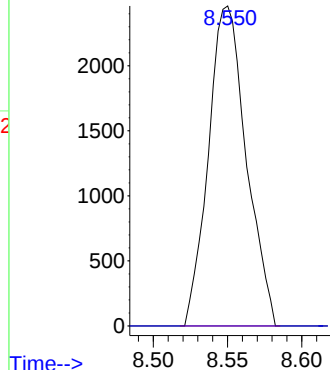
Ion Ratio Lower Upper

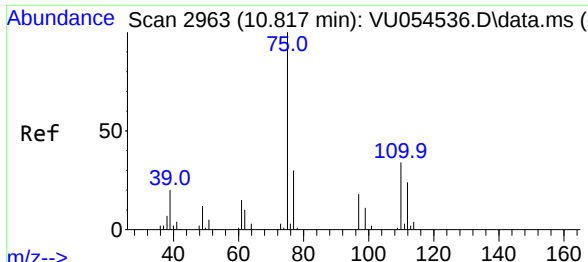
129 100

127 0.0 53.2 98.8#



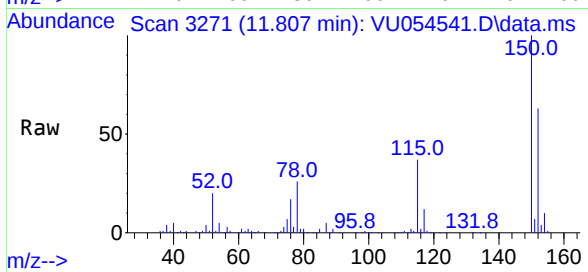
Abundance





#61
1,2,3-Trichloropropane
Concen: 1.170 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Instrument :
MSVOA_U
ClientSampleId :
EXYX1



Tgt Ion: 75 Resp: 14543
Ion Ratio Lower Upper
75 100
110 2.9 28.0 42.0#
77 34.8 25.4 38.2

