

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053698.D
 Acq On : 13 Apr 2023 21:49
 Operator : JC/MD
 Sample : 02254-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB4

Quant Time: Apr 14 02:27:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	133870	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	53545	5.814	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.200%
7) Chloroethane-d5	1.909	69	41973	5.022	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.562	65	23267	5.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.600%
20) 2-Butanone-d5	4.620	46	87010	41.242	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.480%
24) Chloroform-d	5.060	84	78694	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.697	65	39081	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.722	84	155998	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.687	67	49799	4.467	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.893	98	154874	4.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	19254	4.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.629	63	76393	43.964	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.920%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40332	4.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	52041	4.414	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%

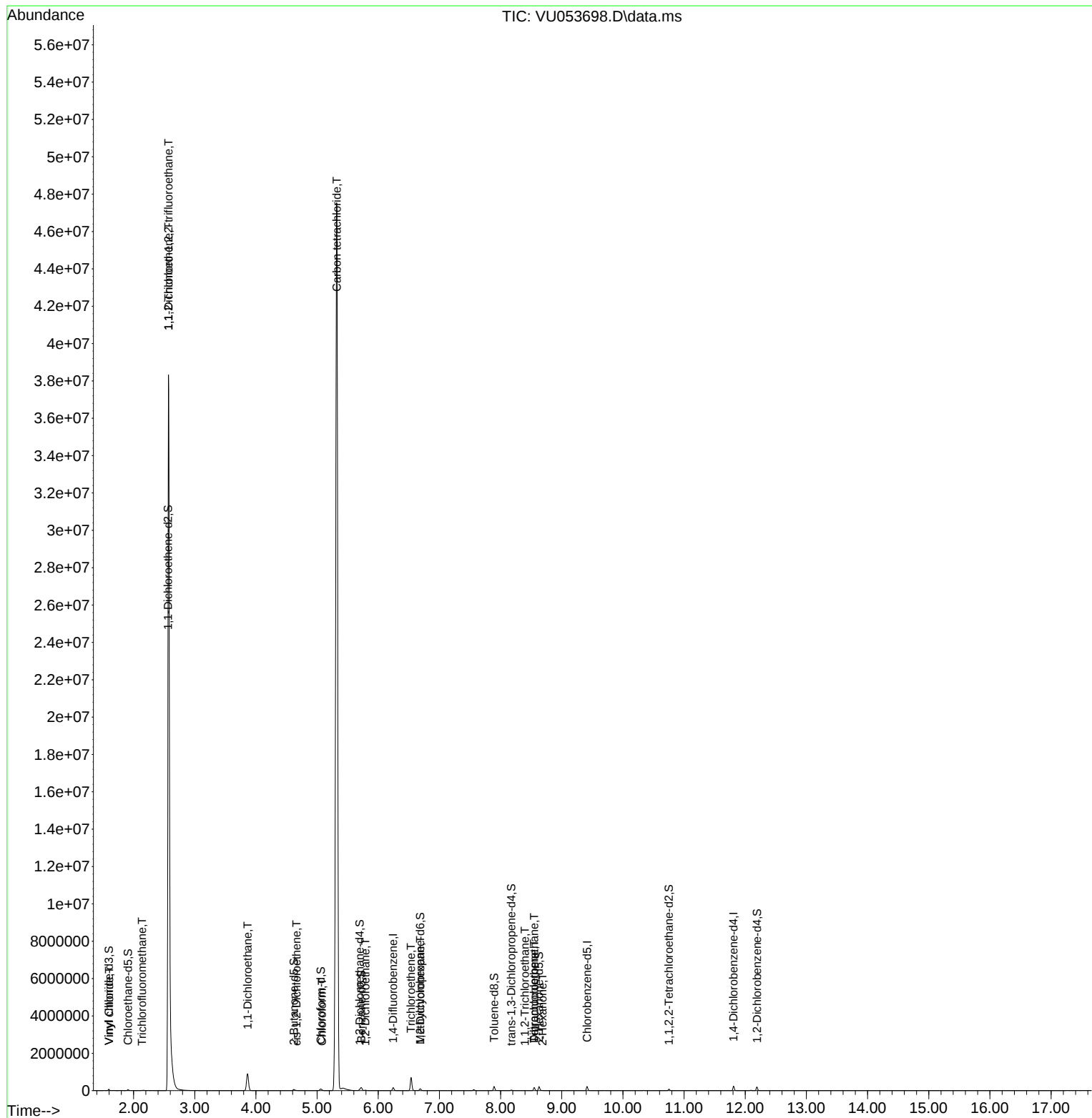
Target Compounds	Qvalue					
5) Vinyl chloride	1.600	62	3567	0.327	ug/L #	82
9) Trichlorofluoromethane	2.137	101	4326	0.263	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	35449	4.250	ug/L #	32
12) 1,1-Dichloroethene	2.571	96	15582956	2055.949	ug/L #	44
19) 1,1-Dichloroethane	3.864	63	1012578	69.818	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	1879	0.177	ug/L	96
25) Chloroform	5.083	83	14482	0.971	ug/L	96
27) 1,2-Dichloroethane	5.790	62	17026	1.822	ug/L #	89
31) Carbon tetrachloride	5.321	117	4920209	456.253	ug/L	99
34) Trichloroethene	6.536	95	233055	25.301	ug/L	95
35) Methylcyclohexane	6.687	83	11697	0.740	ug/L #	22
45) 1,1,2-Trichloroethane	8.398	97	2053	0.317	ug/L	82
47) Tetrachloroethene	8.549	164	36843	5.444	ug/L	95
48) 2-Hexanone	8.687	43	3116	0.943	ug/L #	69
49) Dibromochloromethane	8.549	129	37125	5.789	ug/L #	12

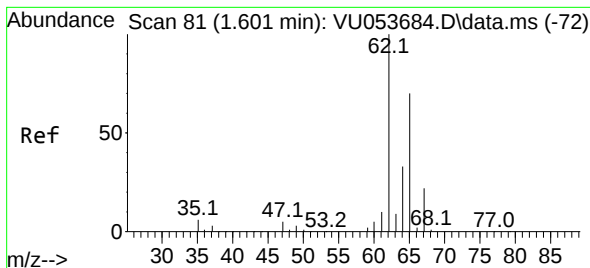
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.327 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053698.D

Acq: 13 Apr 2023 21:49

Instrument :

MSVOA_U

ClientSampleId :

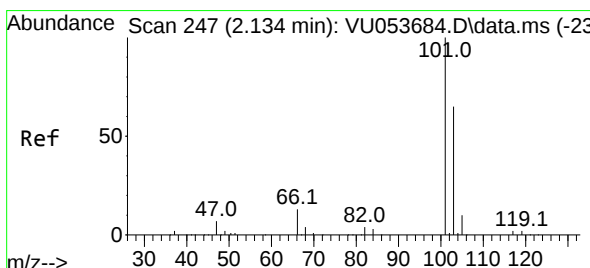
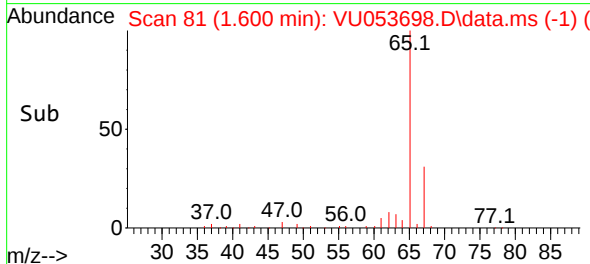
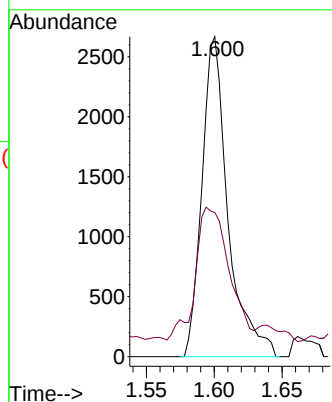
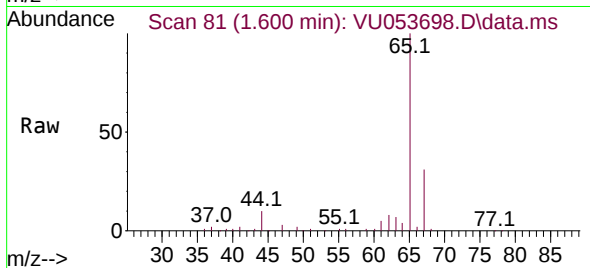
C0AB4

Tgt Ion: 62 Resp: 3567

Ion Ratio Lower Upper

62 100

64 45.1 24.1 44.7#



#9

Trichlorofluoromethane

Concen: 0.263 ug/L

RT: 2.137 min Scan# 248

Delta R.T. 0.003 min

Lab File: VU053698.D

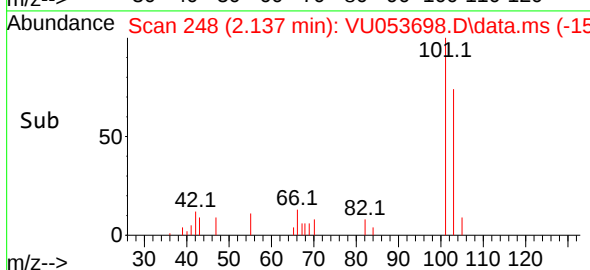
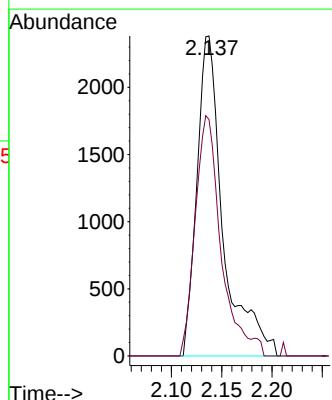
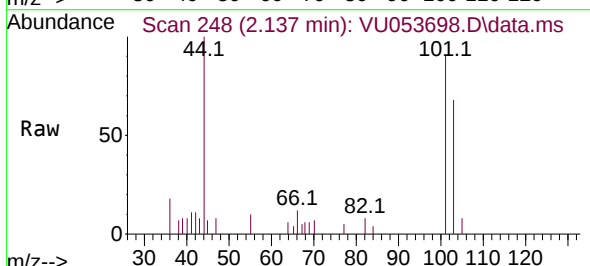
Acq: 13 Apr 2023 21:49

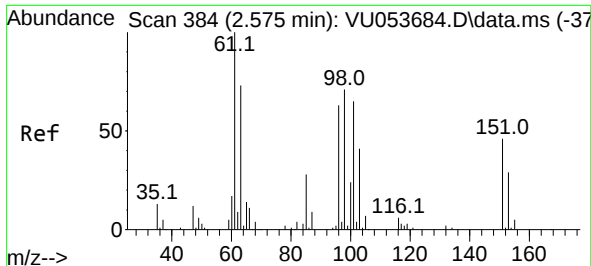
Tgt Ion: 101 Resp: 4326

Ion Ratio Lower Upper

101 100

103 74.0 50.2 75.2

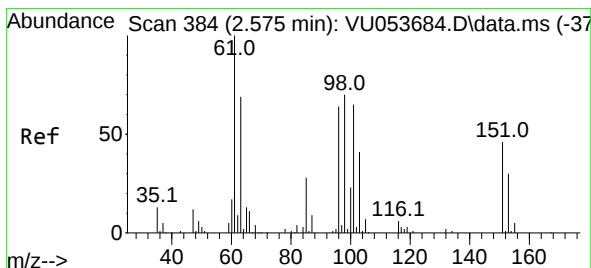
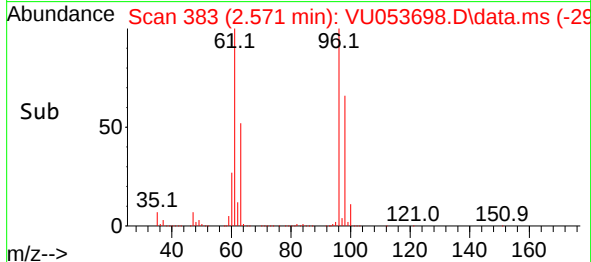
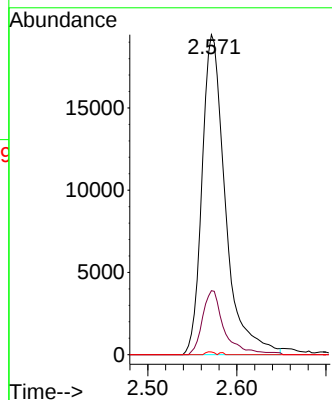
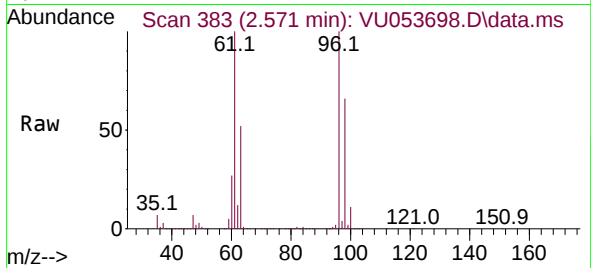




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.250 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU053698.D
 Acq: 13 Apr 2023 21:49

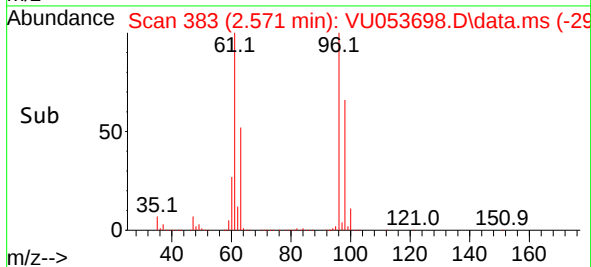
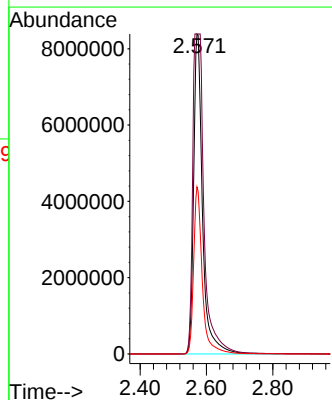
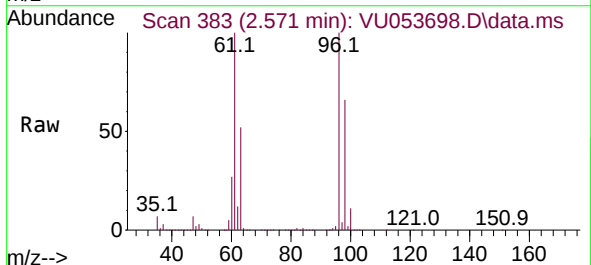
Instrument :
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 ClientSampleId :
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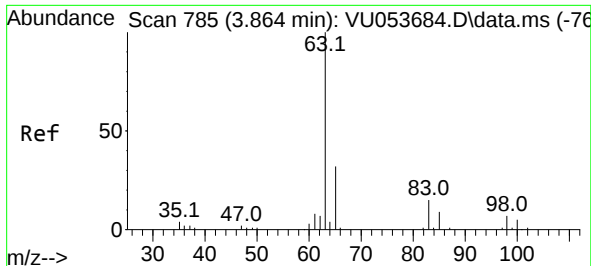
Tgt Ion:101 Resp: 35449
 Ion Ratio Lower Upper
 101 100
 85 18.8 37.0 55.4#
 151 0.3 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 2055.949 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU053698.D
 Acq: 13 Apr 2023 21:49

Tgt Ion: 96 Resp:15582956
 Ion Ratio Lower Upper
 96 100
 61 100.0 116.8 216.8#
 63 52.2 88.6 164.6#

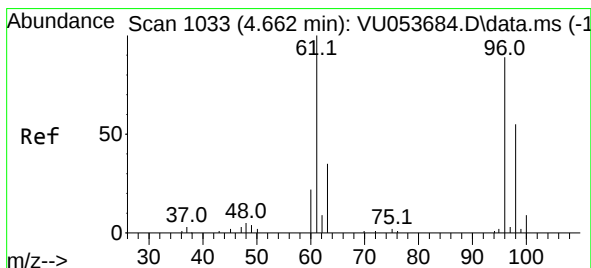
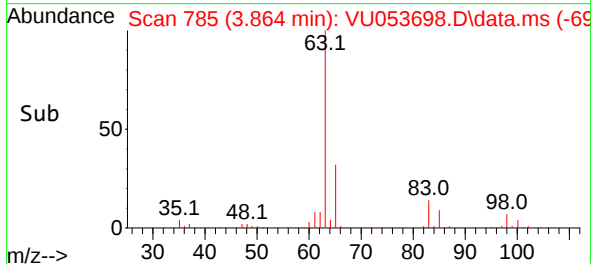
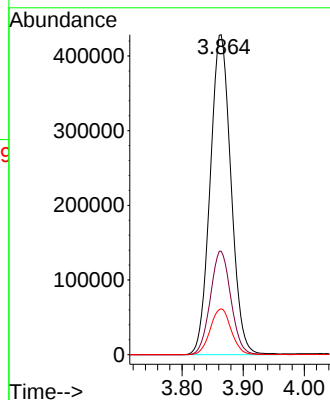
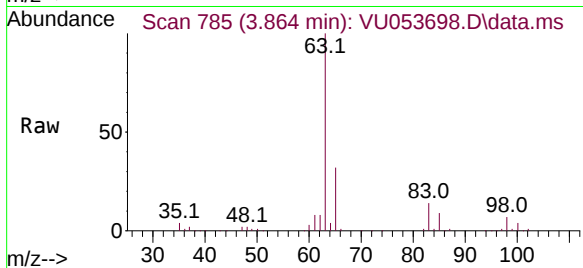




#19
1,1-Dichloroethane
Concen: 69.818 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

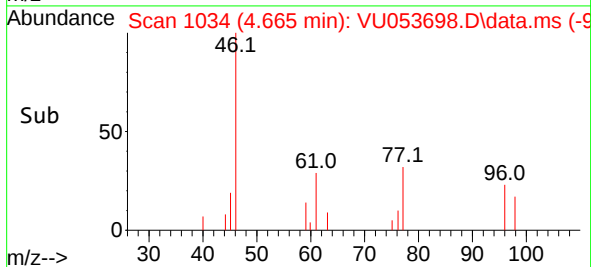
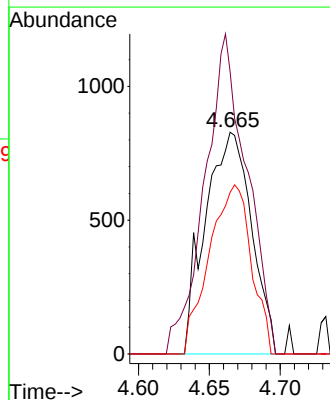
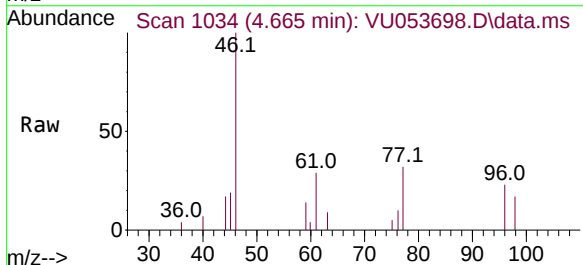
Instrument :
MSVOA_U
ClientSampleId :
C0AB4

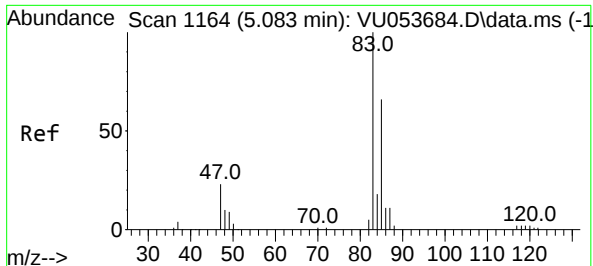
Tgt Ion: 63 Resp: 1012578
Ion Ratio Lower Upper
63 100
65 32.3 21.7 40.3
83 14.3 8.1 15.1



#22
cis-1,2-Dichloroethene
Concen: 0.177 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 127.3 86.6 160.8
98 72.9 47.7 88.5





#25

Chloroform

Concen: 0.971 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053698.D

Acq: 13 Apr 2023 21:49

Instrument :

MSVOA_U

ClientSampleId :

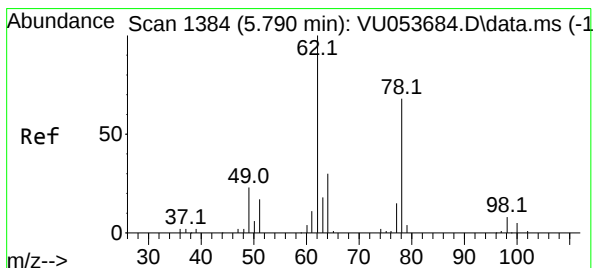
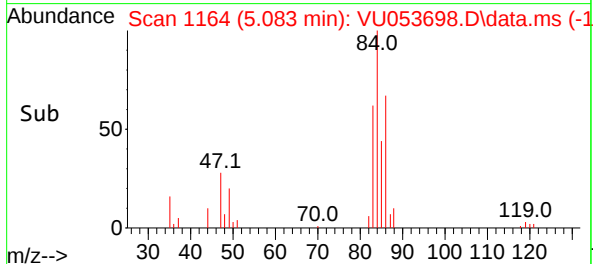
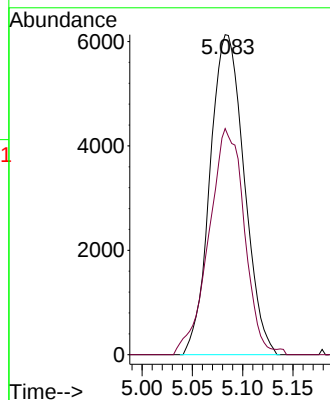
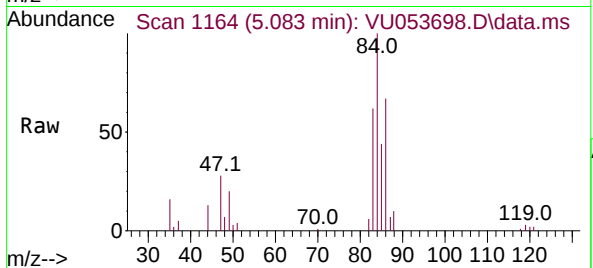
C0AB4

Tgt Ion: 83 Resp: 14482

Ion Ratio Lower Upper

83 100

85 70.6 47.3 87.9



#27

1,2-Dichloroethane

Concen: 1.822 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053698.D

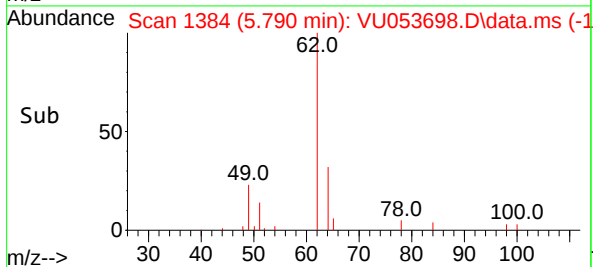
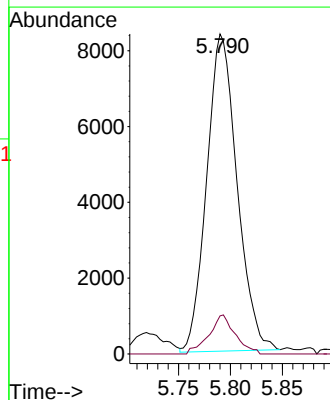
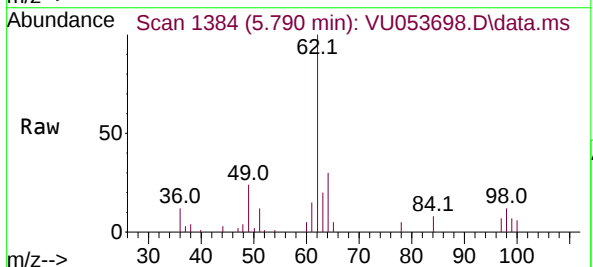
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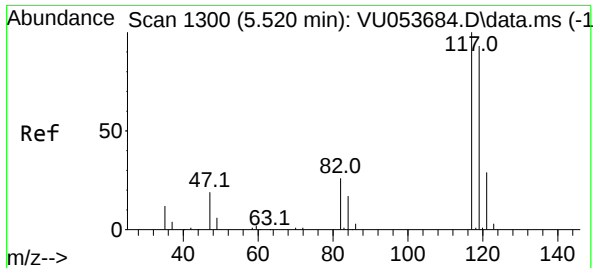
Tgt Ion: 62 Resp: 17026

Ion Ratio Lower Upper

62 100

98 11.9 6.4 9.6#

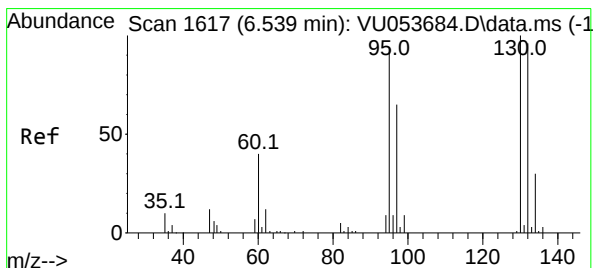
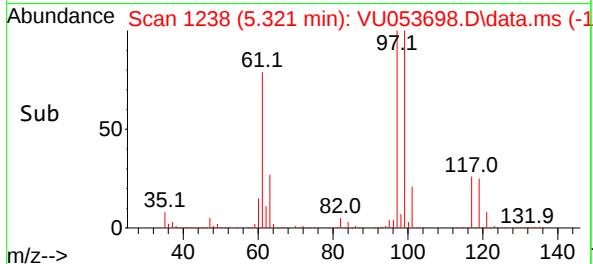
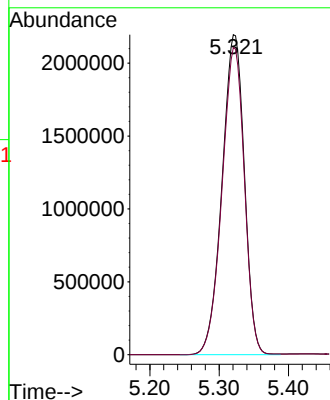
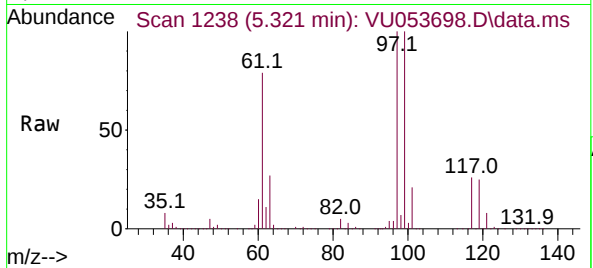




#31
Carbon tetrachloride
Concen: 456.253 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.199 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

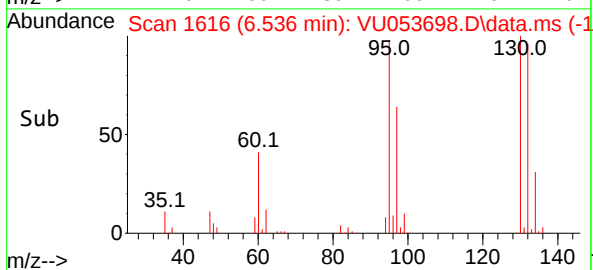
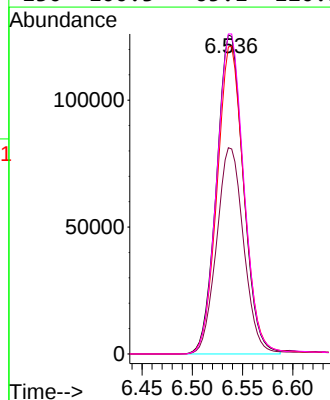
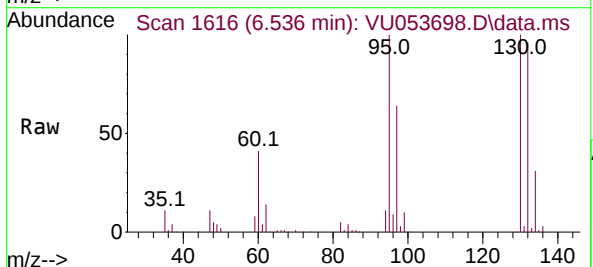
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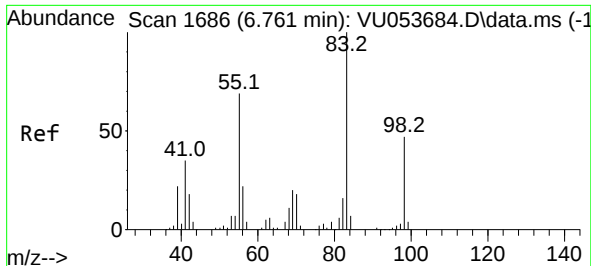
Tgt Ion:117 Resp: 4920209
Ion Ratio Lower Upper
117 100
119 96.0 77.7 116.5



#34
Trichloroethene
Concen: 25.301 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

Tgt Ion: 95 Resp: 233055
Ion Ratio Lower Upper
95 100
97 64.7 45.3 84.1
132 96.2 62.8 116.6
130 100.3 65.1 120.9

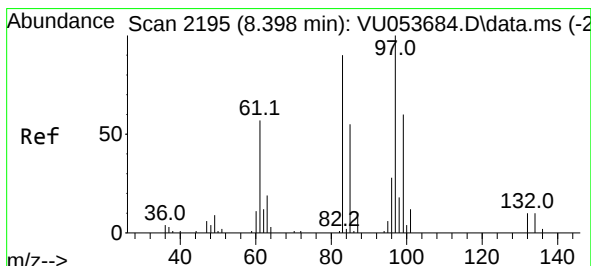
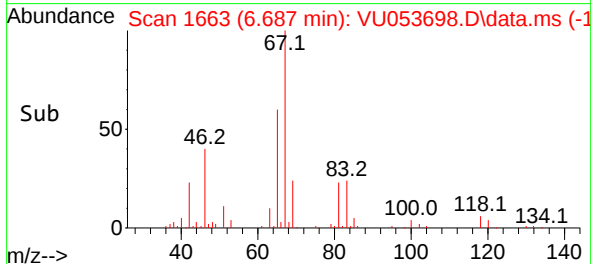
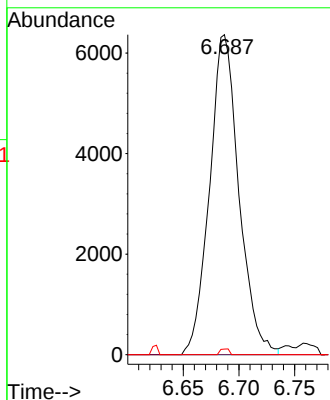
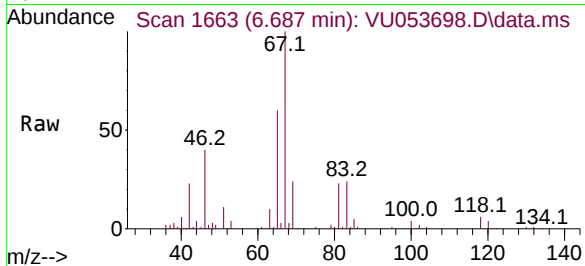




#35
Methylcyclohexane
Concen: 0.740 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

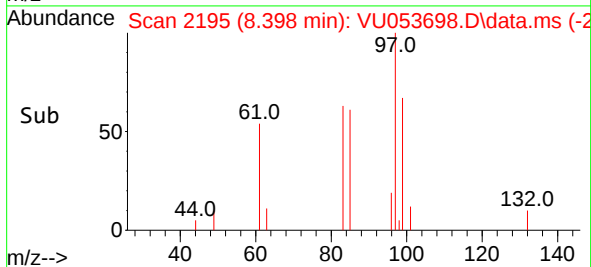
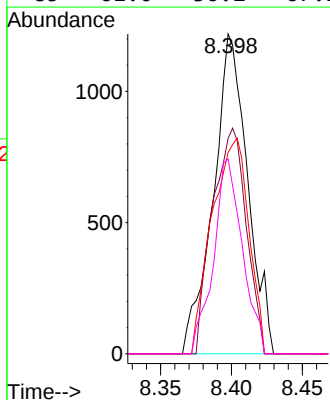
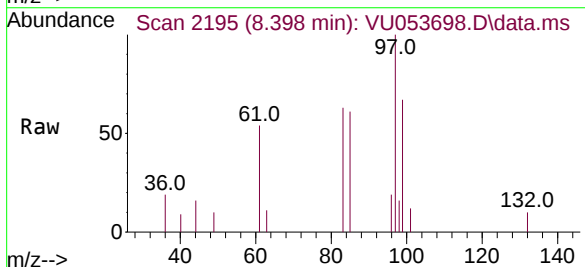
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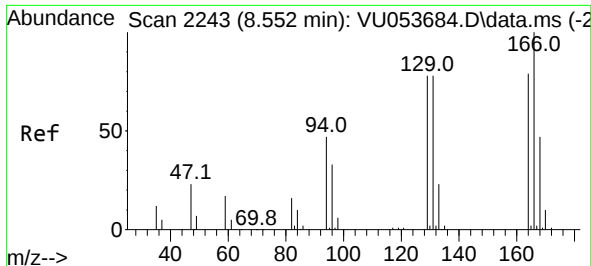
Tgt Ion: 83 Resp: 11697
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 0.0 34.9 52.3#



#45
1,1,2-Trichloroethane
Concen: 0.317 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

Tgt Ion: 97 Resp: 2053
Ion Ratio Lower Upper
97 100
99 67.4 38.9 72.2
83 62.9 57.6 107.0
85 61.0 36.2 67.2



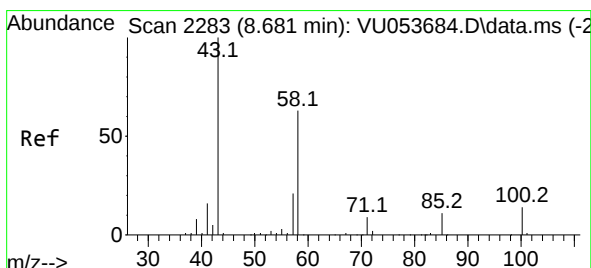
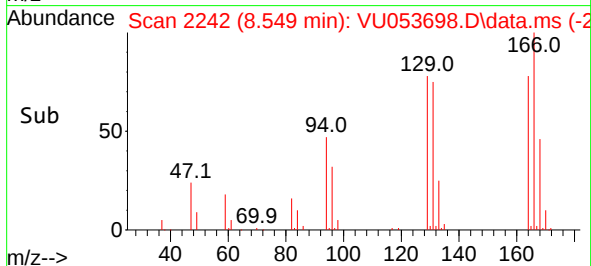
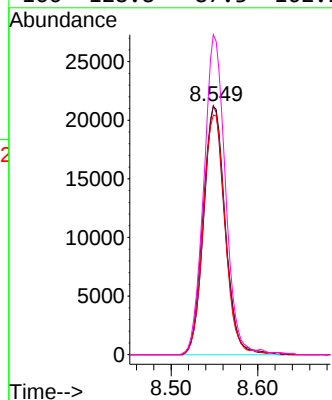
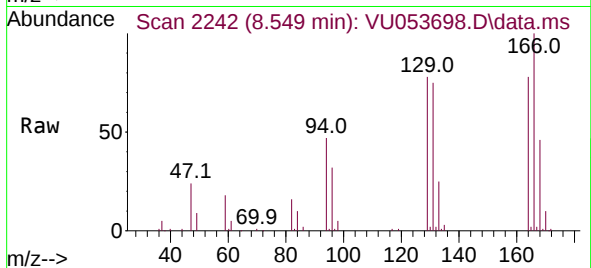


#47
Tetrachloroethene
Concen: 5.444 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

Instrument :
MSVOA_U
ClientSampleId :
C0AB4

Tgt Ion:164 Resp: 36843

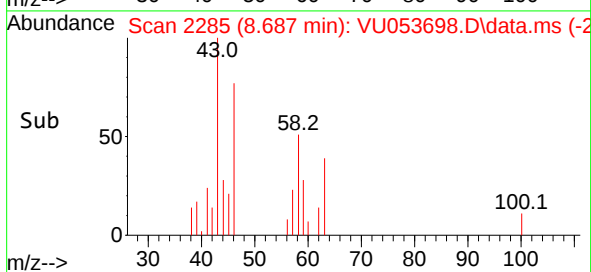
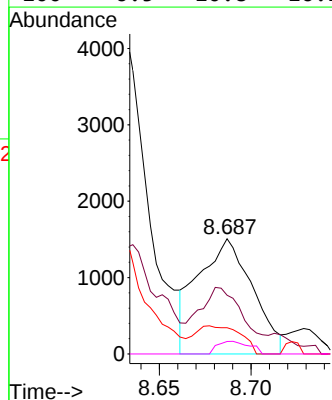
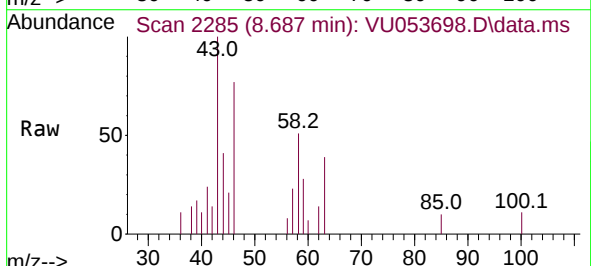
Ion	Ratio	Lower	Upper
164	100		
129	100.2	74.8	138.8
131	96.5	70.1	130.1
166	128.8	87.3	162.1

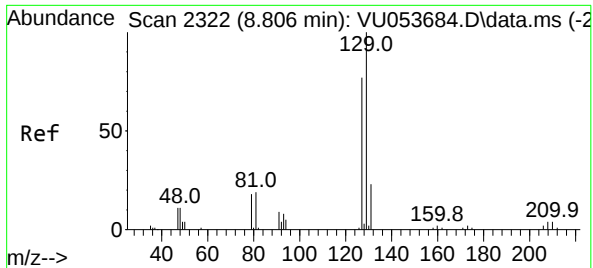


#48
2-Hexanone
Concen: 0.943 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VU053698.D
Acq: 13 Apr 2023 21:49

Tgt Ion: 43 Resp: 3116

Ion	Ratio	Lower	Upper
43	100		
58	31.6	52.8	79.2#
57	20.3	17.1	25.7
100	6.5	10.8	16.2#





#49
 Dibromochloromethane
 Concen: 5.789 ug/L
 RT: 8.549 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU053698.D
 Acq: 13 Apr 2023 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB4

Tgt Ion:129 Resp: 37125
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.2 97.0#

