

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053699.D
 Acq On : 13 Apr 2023 22:14
 Operator : JC/MD
 Sample : 02254-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB5

Quant Time: Apr 14 02:28:05 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)

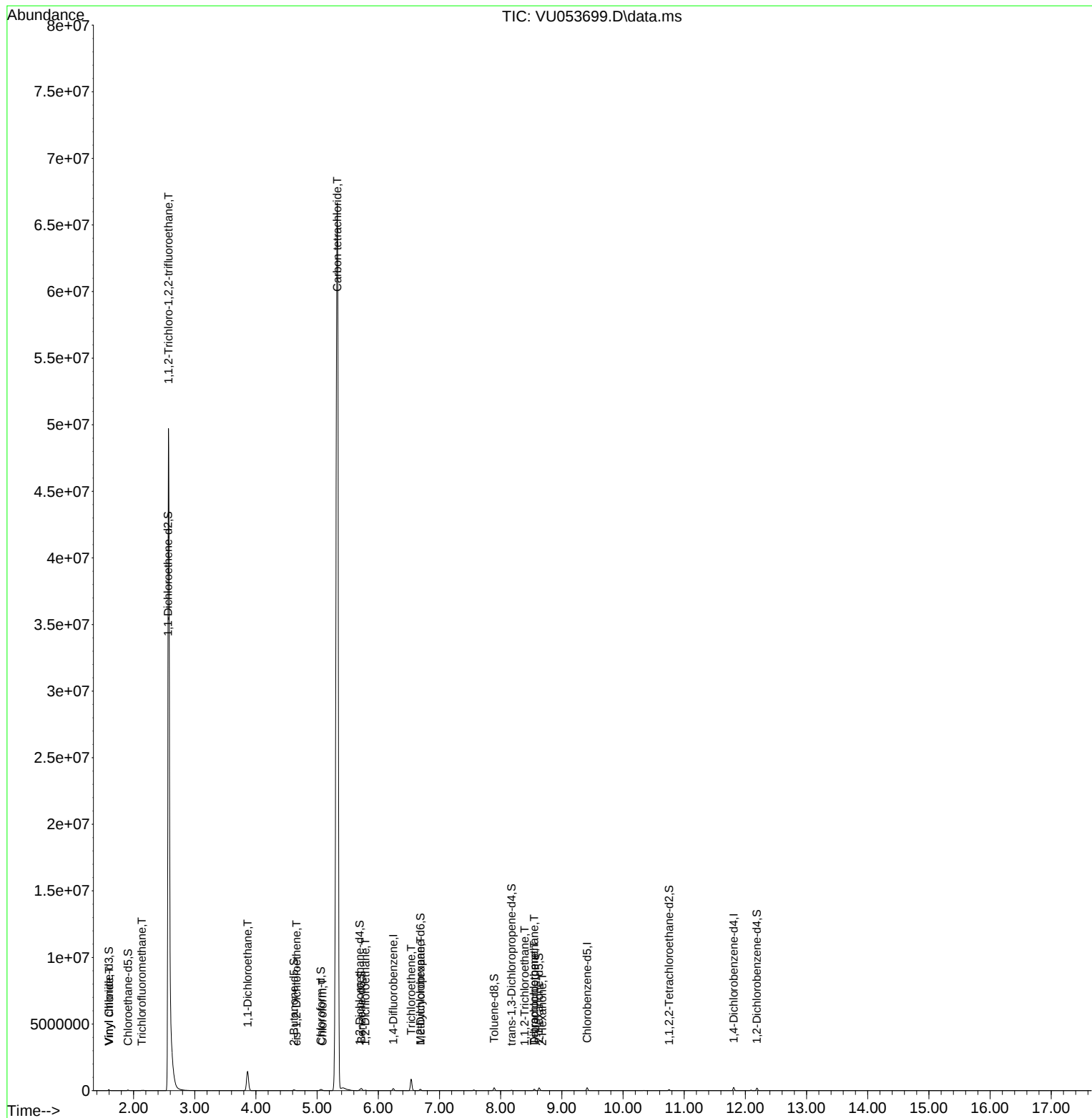
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	134126	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129530	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63944	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	52948	5.738	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.800%
7) Chloroethane-d5	1.909	69	42202	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.562	65	23912	6.084	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.600%
20) 2-Butanone-d5	4.620	46	85519	40.458	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.920%
24) Chloroform-d	5.060	84	79716	4.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.697	65	38339	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.723	84	158040	4.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.687	67	49193	4.398	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.893	98	148551	4.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.176	79	19189	4.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.626	63	77040	44.187	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.380%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38921	4.180	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	52253	4.542	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
5) Vinyl chloride	1.601	62	5041	0.462	ug/L #	74
9) Trichlorofluoromethane	2.134	101	17108	1.038	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	51409	6.152	ug/L #	31
19) 1,1-Dichloroethane	3.864	63	1616772	111.265	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	1357	0.128	ug/L	96
25) Chloroform	5.086	83	25643	1.716	ug/L	96
27) 1,2-Dichloroethane	5.790	62	28917	3.088	ug/L	97
31) Carbon tetrachloride	5.330	117	8385718	774.988	ug/L	99
34) Trichloroethene	6.536	95	283521	30.676	ug/L	93
35) Methylcyclohexane	6.687	83	11609	0.732	ug/L #	23
45) 1,1,2-Trichloroethane	8.395	97	4059	0.624	ug/L	98
47) Tetrachloroethene	8.549	164	24387	3.591	ug/L	96
48) 2-Hexanone	8.681	43	2592	0.782	ug/L #	82
49) Dibromochloromethane	8.549	129	24844	3.861	ug/L #	12

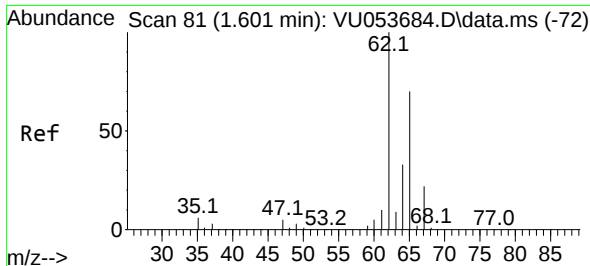
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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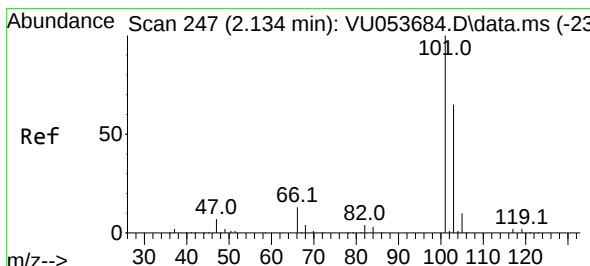
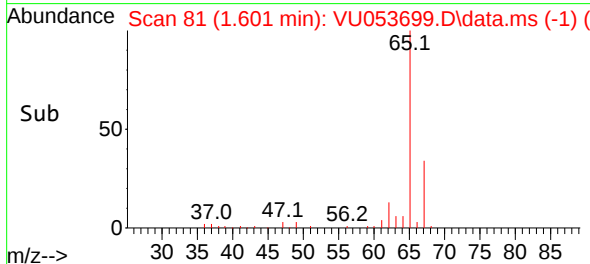
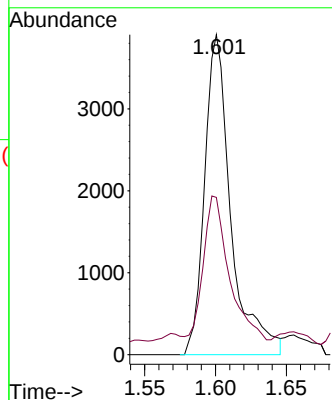
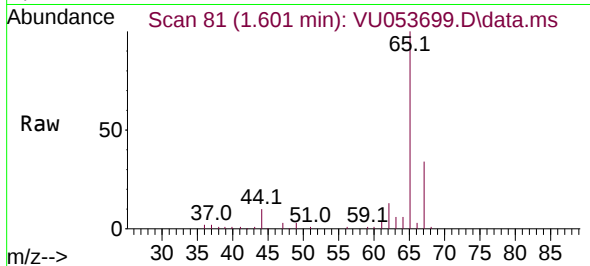




#5
 Vinyl chloride
 Concen: 0.462 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053699.D
 Acq: 13 Apr 2023 22:14

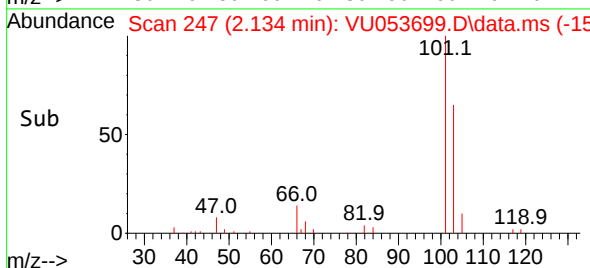
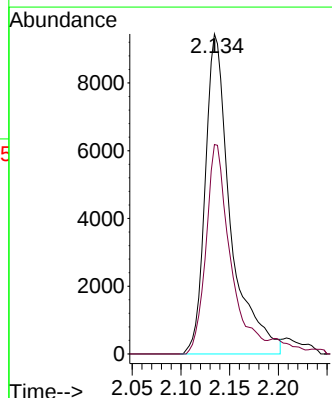
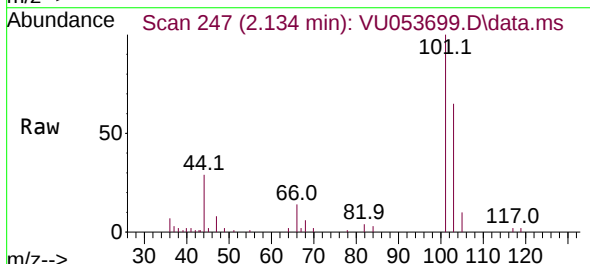
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB5

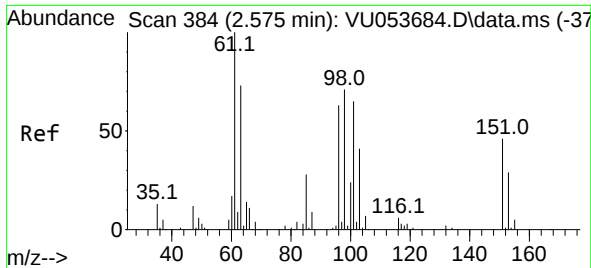
Tgt Ion: 62 Resp: 5041
 Ion Ratio Lower Upper
 62 100
 64 49.2 24.1 44.7#



#9
 Trichlorofluoromethane
 Concen: 1.038 ug/L
 RT: 2.134 min Scan# 247
 Delta R.T. 0.000 min
 Lab File: VU053699.D
 Acq: 13 Apr 2023 22:14

Tgt Ion: 101 Resp: 17108
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.2 75.2

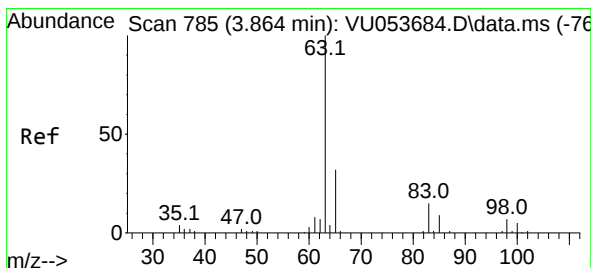
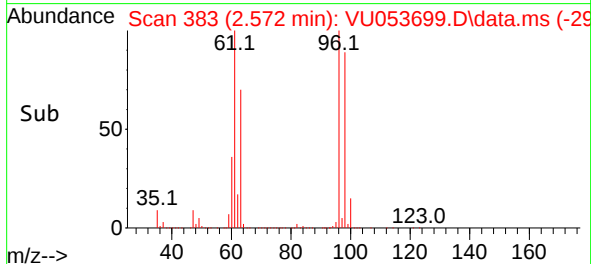
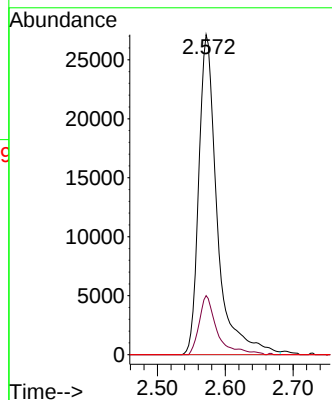
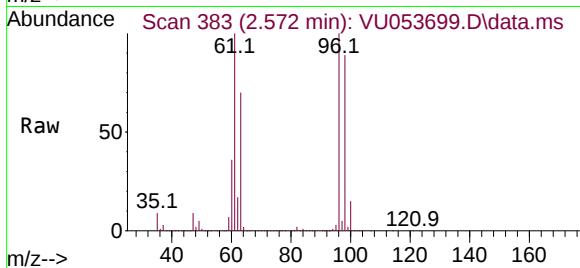




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.152 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

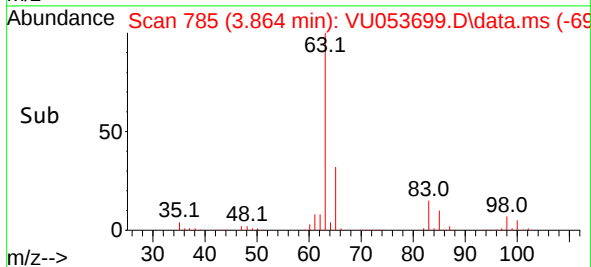
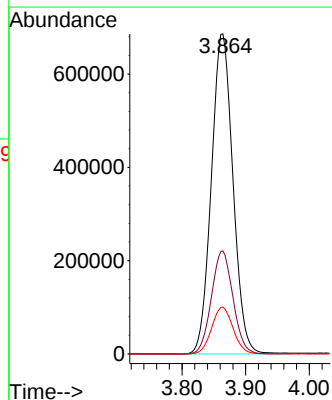
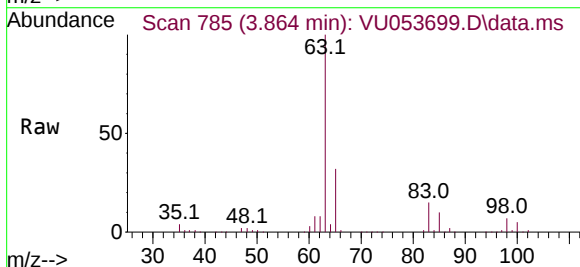
Instrument :
MSVOA_U
ClientSampleId :
C0AB5

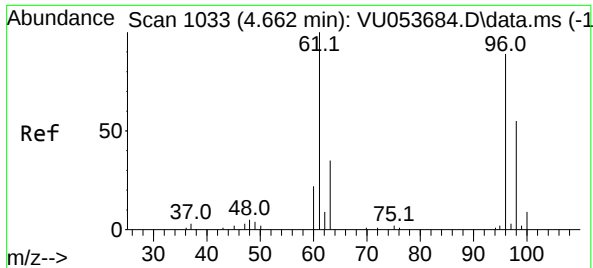
Tgt Ion:101 Resp: 51409
Ion Ratio Lower Upper
101 100
85 18.0 37.0 55.4#
151 0.0 56.8 85.2#



#19
1,1-Dichloroethane
Concen: 111.265 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

Tgt Ion: 63 Resp: 1616772
Ion Ratio Lower Upper
63 100
65 32.2 21.7 40.3
83 14.7 8.1 15.1

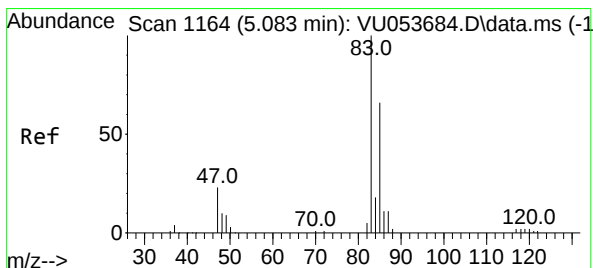
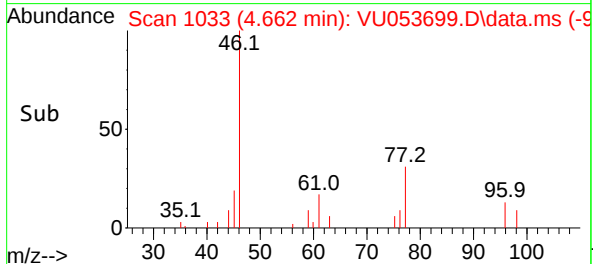
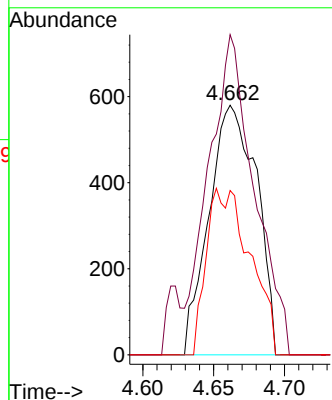
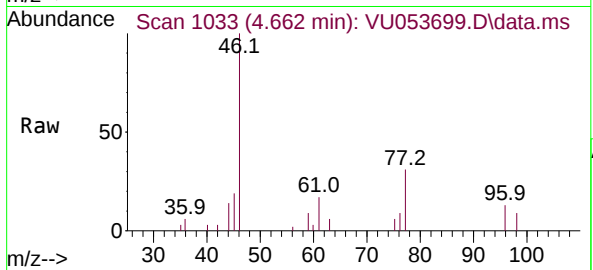




#22
 cis-1,2-Dichloroethene
 Concen: 0.128 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053699.D
 Acq: 13 Apr 2023 22:14

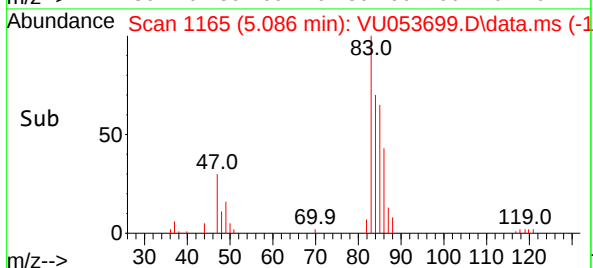
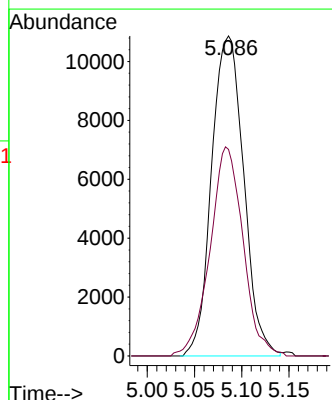
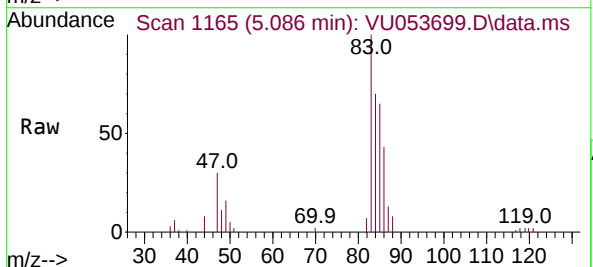
Instrument :
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 ClientSampleId :
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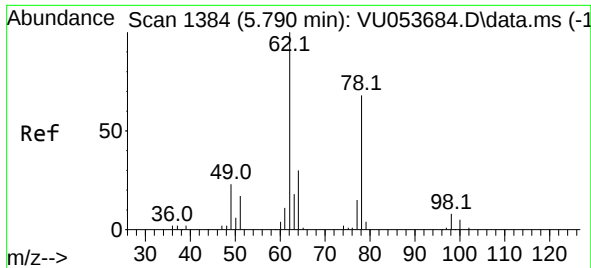
Tgt Ion: 96 Resp: 1357
 Ion Ratio Lower Upper
 96 100
 61 128.3 86.6 160.8
 98 65.9 47.7 88.5



#25
 Chloroform
 Concen: 1.716 ug/L
 RT: 5.086 min Scan# 1165
 Delta R.T. 0.003 min
 Lab File: VU053699.D
 Acq: 13 Apr 2023 22:14

Tgt Ion: 83 Resp: 25643
 Ion Ratio Lower Upper
 83 100
 85 64.6 47.3 87.9

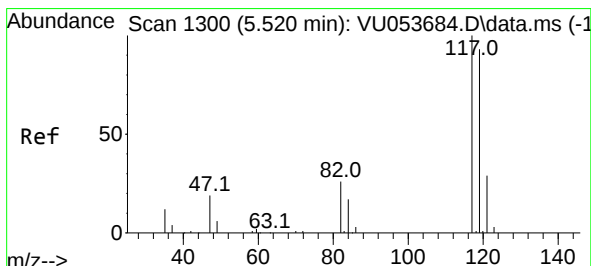
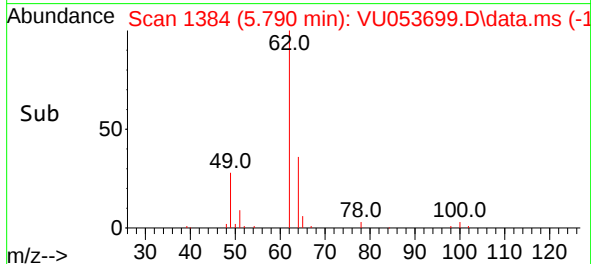
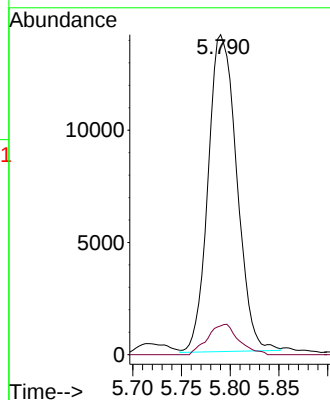
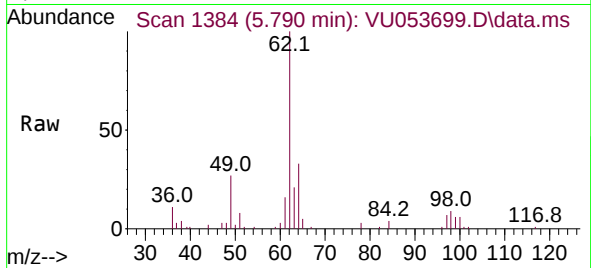




#27
1,2-Dichloroethane
Concen: 3.088 ug/L
RT: 5.790 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

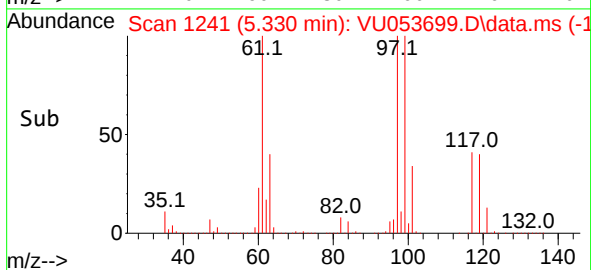
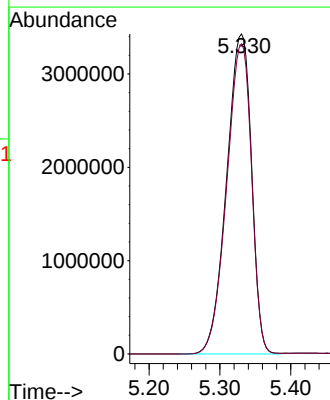
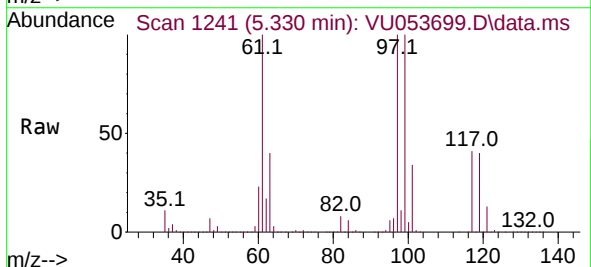
Instrument :
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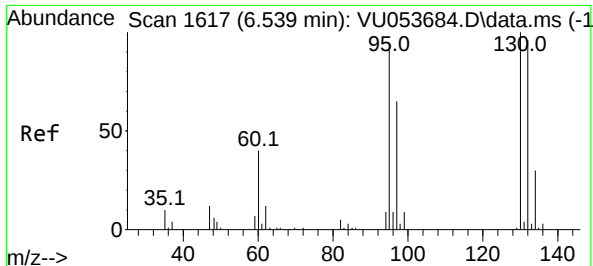
Tgt Ion: 62 Resp: 28917
Ion Ratio Lower Upper
62 100
98 9.0 6.4 9.6



#31
Carbon tetrachloride
Concen: 774.988 ug/L
RT: 5.330 min Scan# 1241
Delta R.T. -0.190 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

Tgt Ion: 117 Resp: 8385718
Ion Ratio Lower Upper
117 100
119 96.3 77.7 116.5

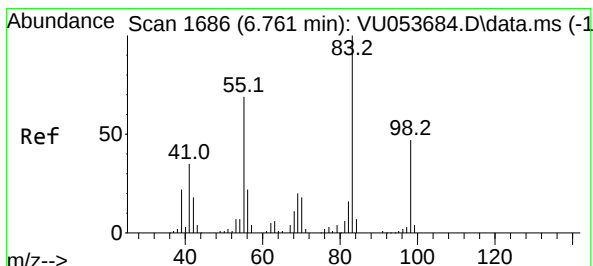
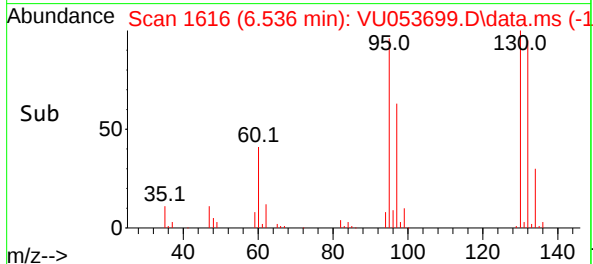
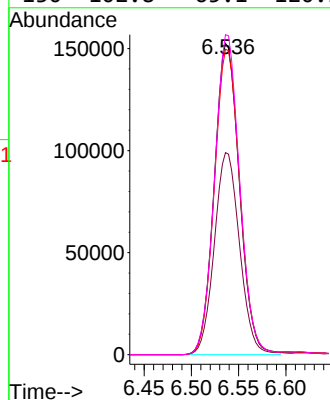
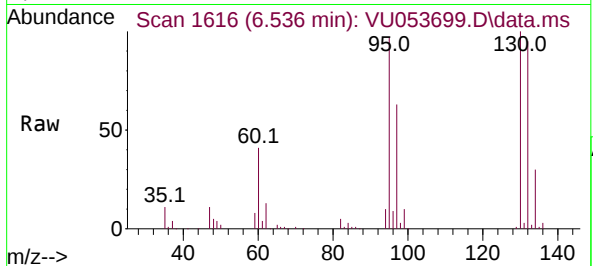




#34
Trichloroethene
Concen: 30.676 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

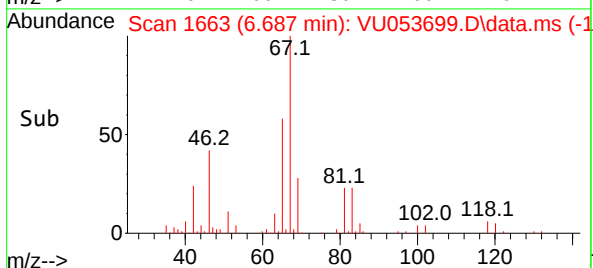
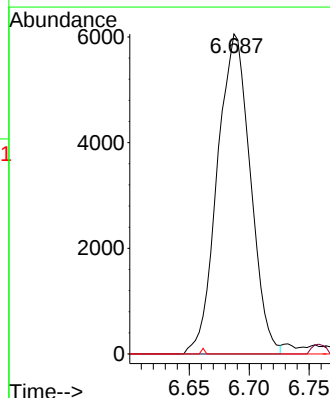
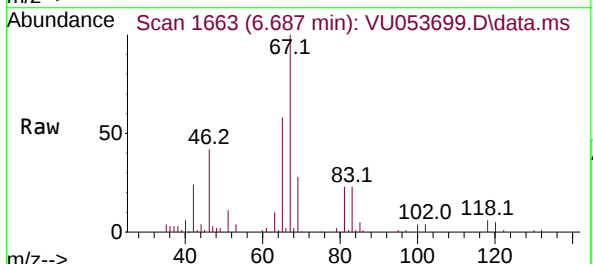
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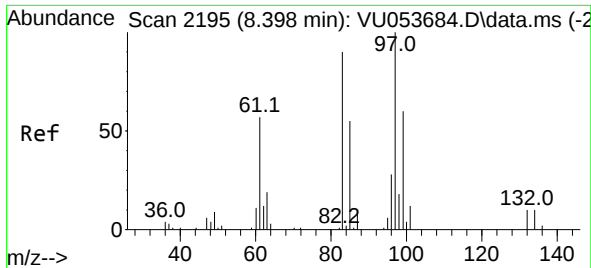
Tgt Ion: 95 Resp: 283521
Ion Ratio Lower Upper
95 100
97 64.9 45.3 84.1
132 98.1 62.8 116.6
130 102.8 65.1 120.9



#35
Methylcyclohexane
Concen: 0.732 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

Tgt Ion: 83 Resp: 11609
Ion Ratio Lower Upper
83 100
55 1.2 54.9 82.3#
98 0.0 34.9 52.3#



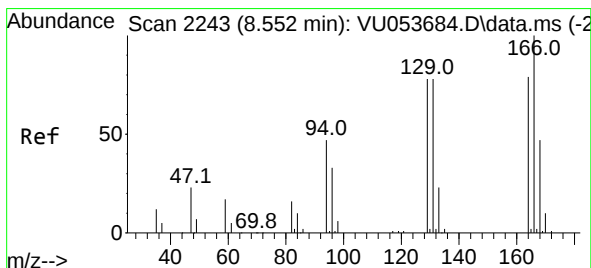
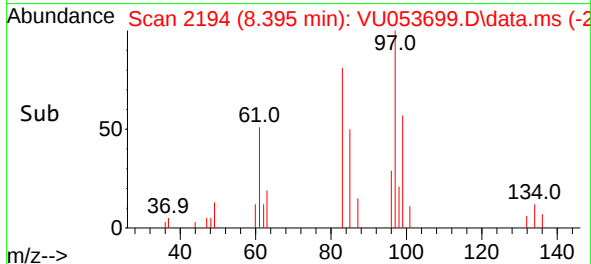
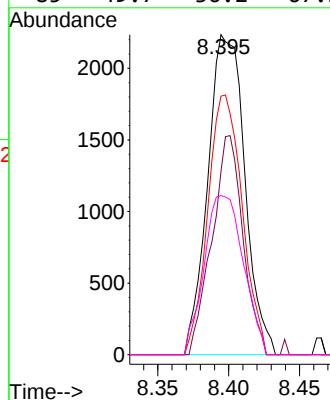
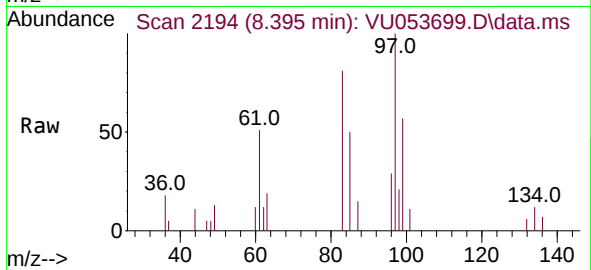


#45
1,1,2-Trichloroethane
Concen: 0.624 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

Instrument :
MSVOA_U
ClientSampleId :
C0AB5

Tgt Ion: 97 Resp: 4059

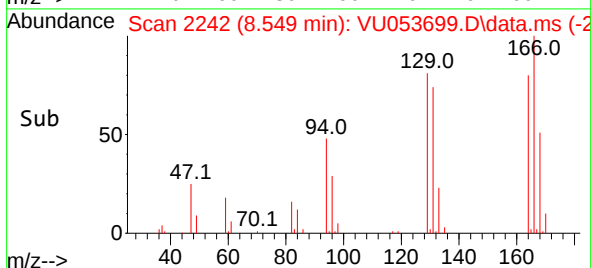
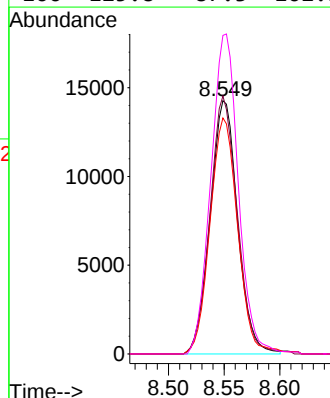
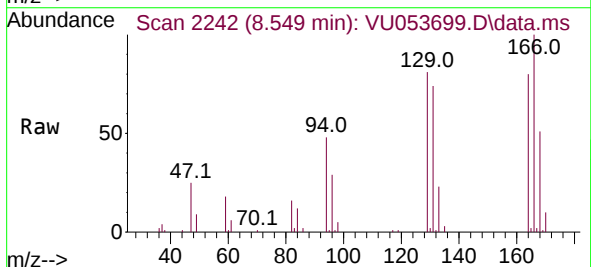
Ion	Ratio	Lower	Upper
97	100		
99	57.3	38.9	72.2
83	80.8	57.6	107.0
85	49.7	36.2	67.2

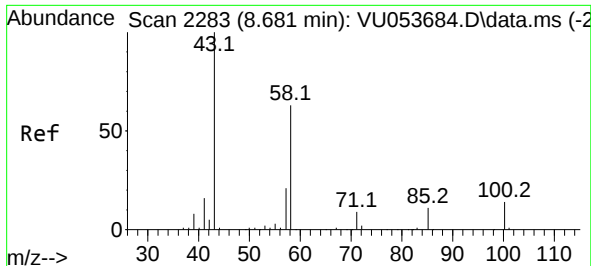


#47
Tetrachloroethene
Concen: 3.591 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU053699.D
Acq: 13 Apr 2023 22:14

Tgt Ion: 164 Resp: 24387

Ion	Ratio	Lower	Upper
164	100		
129	101.8	74.8	138.8
131	93.1	70.1	130.1
166	125.8	87.3	162.1





#48

2-Hexanone

Concen: 0.782 ug/L

RT: 8.681 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053699.D

Acq: 13 Apr 2023 22:14

Instrument :

MSVOA_U

ClientSampleId :

C0AB5

Tgt Ion: 43 Resp: 2592

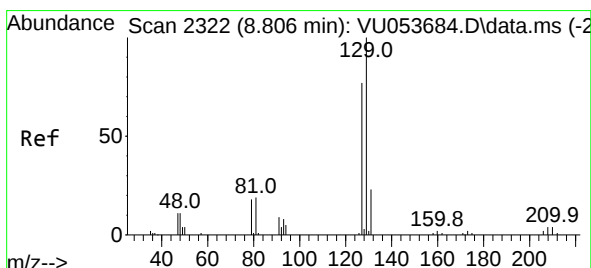
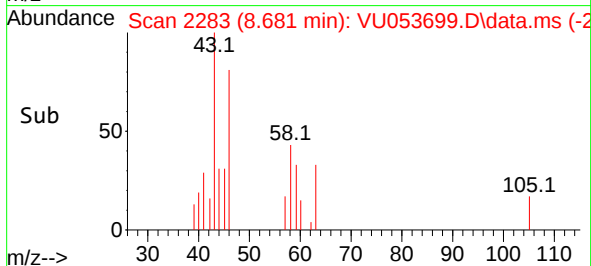
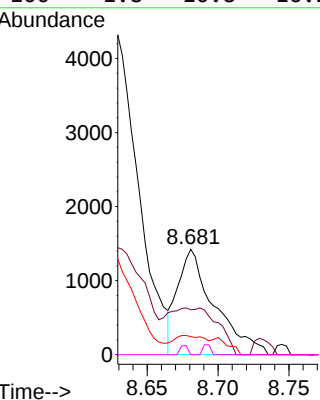
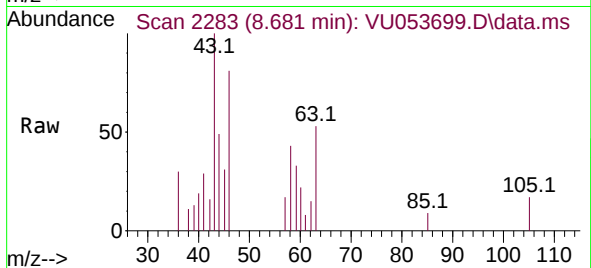
Ion Ratio Lower Upper

43 100

58 56.9 52.8 79.2

57 6.3 17.1 25.7#

100 1.8 10.8 16.2#



#49

Dibromochloromethane

Concen: 3.861 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.257 min

Lab File: VU053699.D

Acq: 13 Apr 2023 22:14

Tgt Ion: 129 Resp: 24844

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#

