

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053688.D
 Acq On : 13 Apr 2023 17:42
 Operator : JC/MD
 Sample : 02299-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE5

Quant Time: Apr 14 02:25:15 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	161714	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	153504	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	73408	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	71837	6.457	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.200%
7) Chloroethane-d5	1.906	69	54486	5.396	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.000%
11) 1,1-Dichloroethene-d2	2.562	65	27184	5.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.800%
20) 2-Butanone-d5	4.623	46	118642	46.552	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.100%
24) Chloroform-d	5.063	84	103836	5.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.700	65	50691	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.726	84	198575	4.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.687	67	64586	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.893	98	185470	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.176	79	23814	4.681	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.629	63	103716	50.196	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.400%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52818	4.787	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	68697	5.202	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%

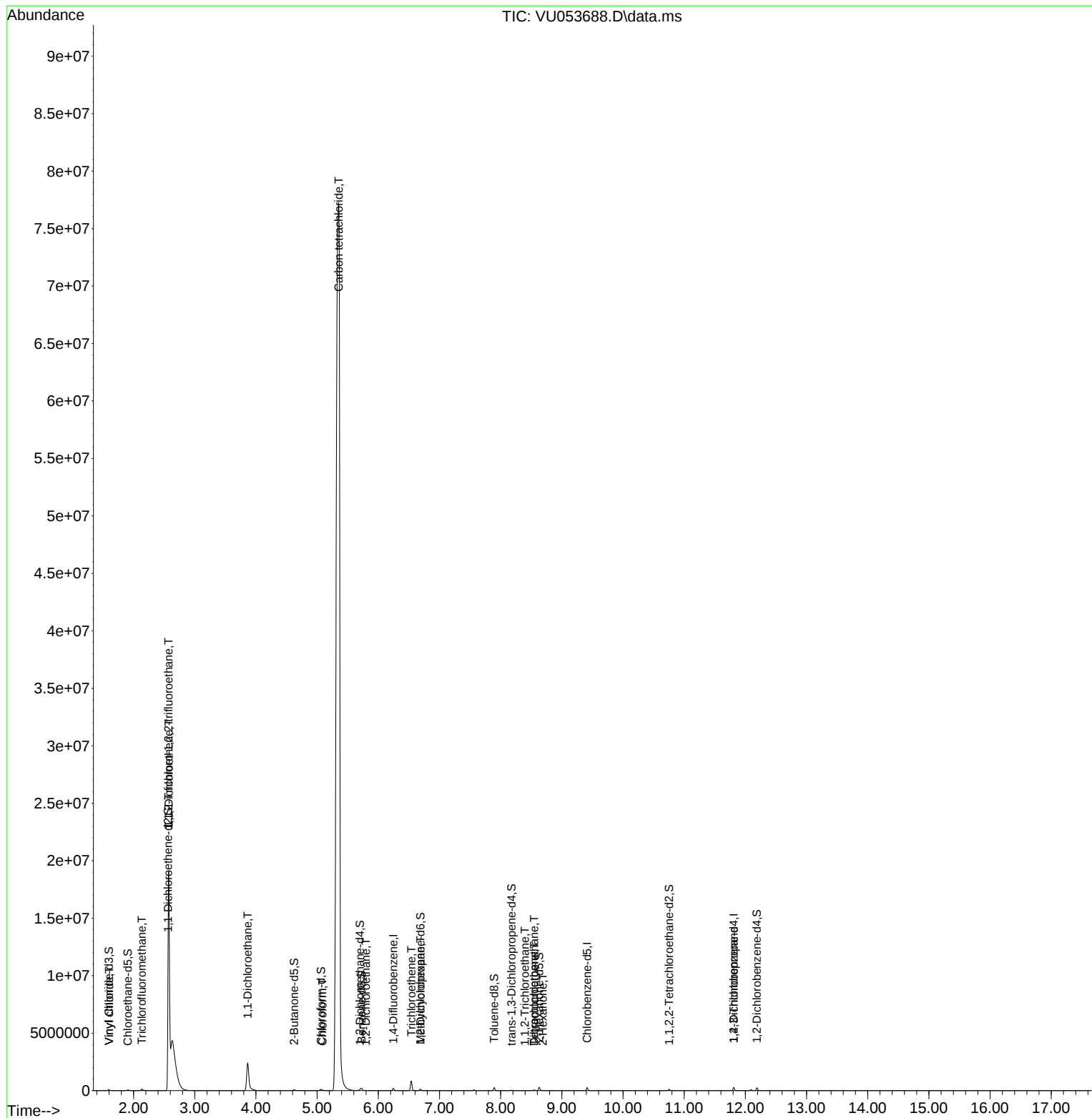
Target Compounds				Qvalue		
5) Vinyl chloride	1.600	62	11129	0.845	ug/L	83
9) Trichlorofluoromethane	2.134	101	105549	5.310	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	17113	1.698	ug/L #	31
12) 1,1-Dichloroethene	2.575	96	7338963	801.554	ug/L #	66
19) 1,1-Dichloroethane	3.864	63	3200256	182.666	ug/L	96
25) Chloroform	5.089	83	27642	1.534	ug/L	92
27) 1,2-Dichloroethane	5.796	62	16203	1.435	ug/L #	95
31) Carbon tetrachloride	5.353	117	15069787	1175.202	ug/L	99
34) Trichloroethene	6.539	95	281102	25.664	ug/L	93
35) Methylcyclohexane	6.687	83	14595	0.777	ug/L #	22
45) 1,1,2-Trichloroethane	8.398	97	2080	0.270	ug/L	90
47) Tetrachloroethene	8.549	164	13668	1.698	ug/L	97
48) 2-Hexanone	8.687	43	4187	1.066	ug/L #	79
49) Dibromochloromethane	8.549	129	14672	1.924	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	8936	1.469	ug/L #	66

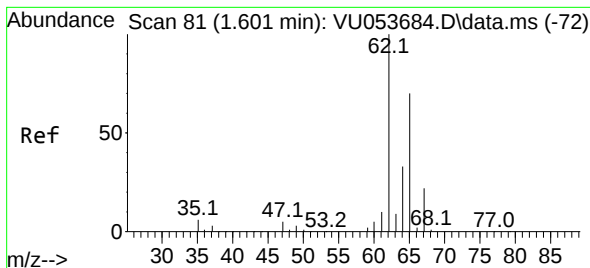
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.845 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053688.D

Acq: 13 Apr 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

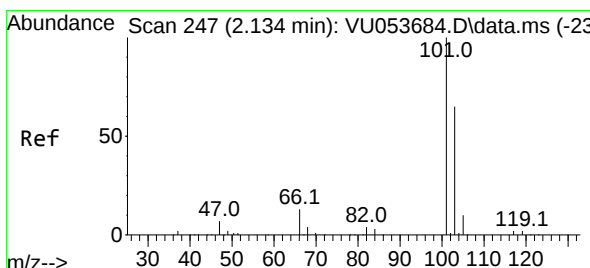
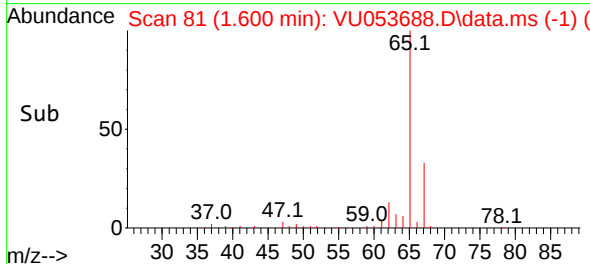
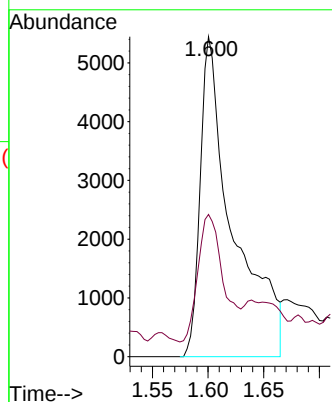
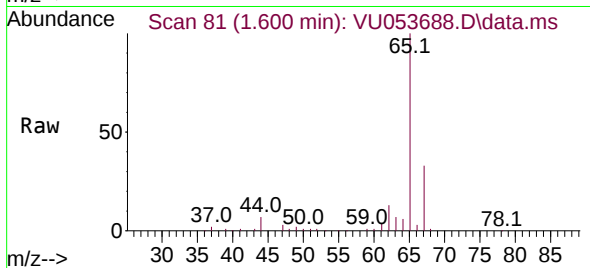
C0AE5

Tgt Ion: 62 Resp: 11129

Ion Ratio Lower Upper

62 100

64 44.5 24.1 44.7



#9

Trichlorofluoromethane

Concen: 5.310 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU053688.D

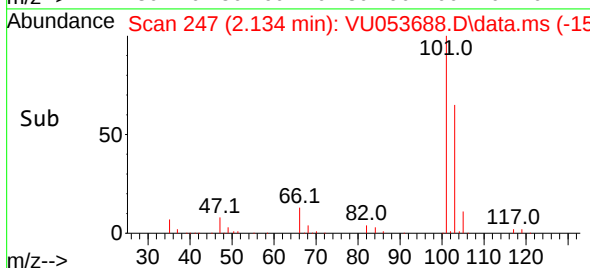
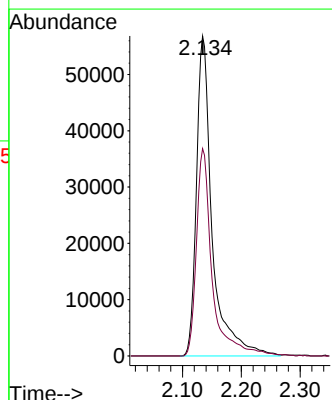
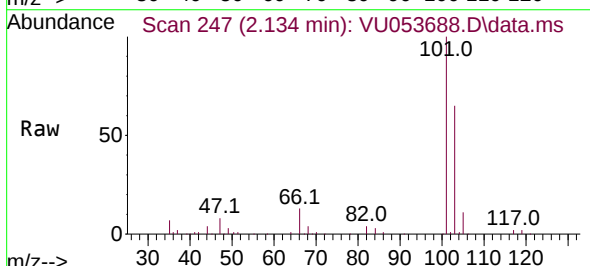
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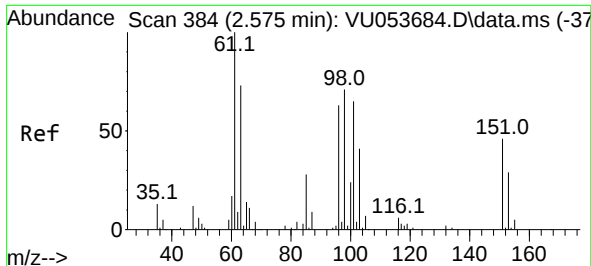
Tgt Ion: 101 Resp: 105549

Ion Ratio Lower Upper

101 100

103 65.1 50.2 75.2

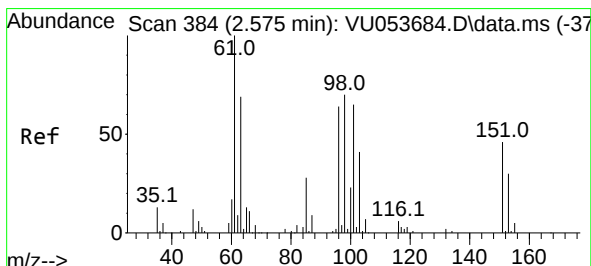
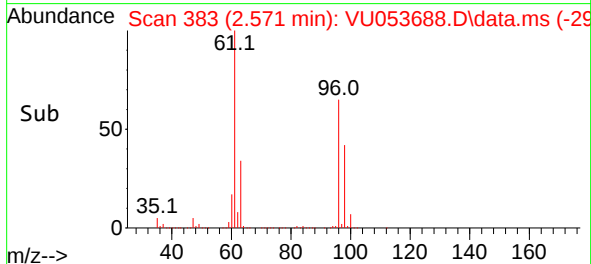
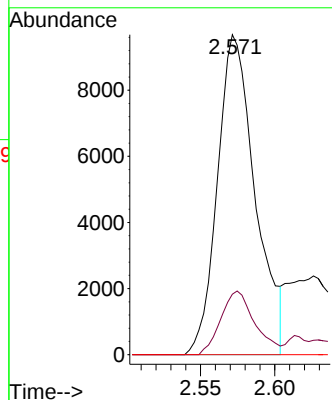
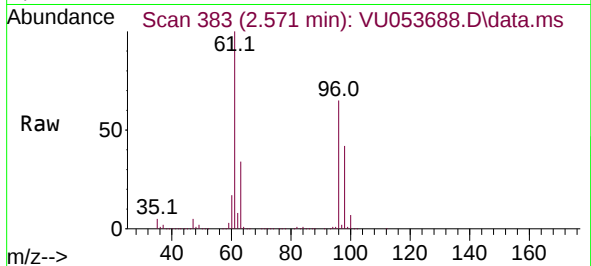




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.698 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU053688.D
 Acq: 13 Apr 2023 17:42

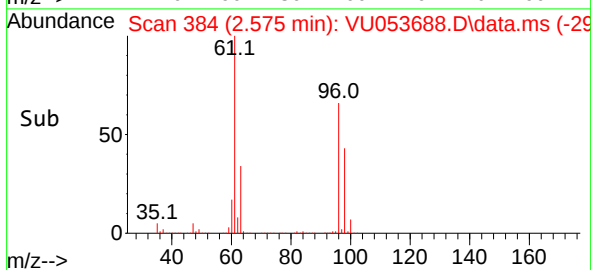
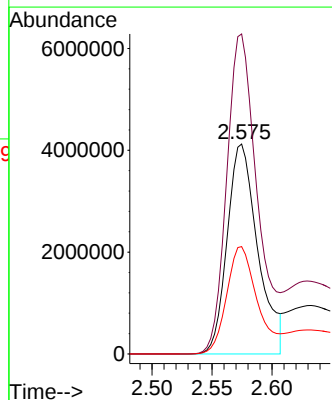
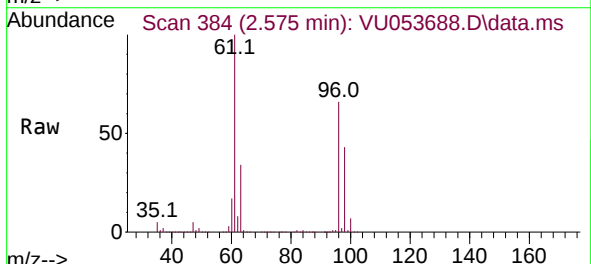
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE5

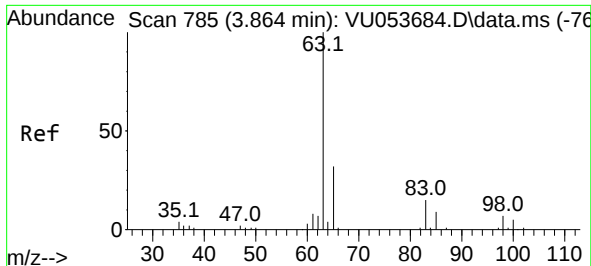
Tgt Ion:101 Resp: 17113
 Ion Ratio Lower Upper
 101 100
 85 18.1 37.0 55.4#
 151 0.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 801.554 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU053688.D
 Acq: 13 Apr 2023 17:42

Tgt Ion: 96 Resp: 7338963
 Ion Ratio Lower Upper
 96 100
 61 152.4 116.8 216.8
 63 51.2 88.6 164.6#

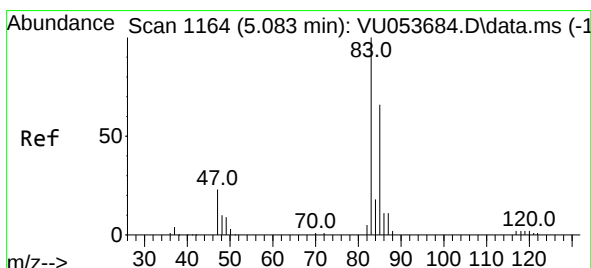
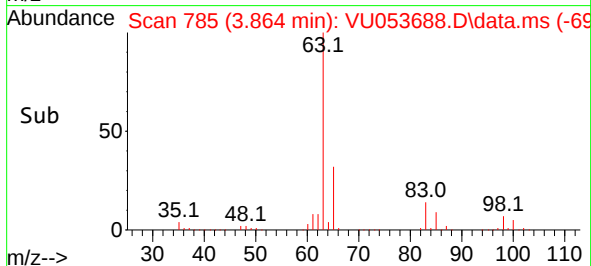
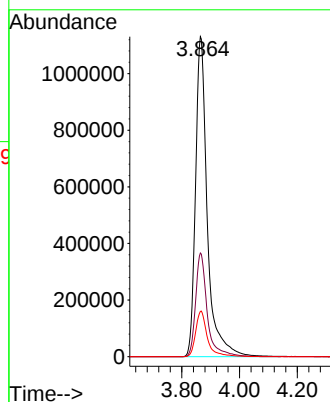
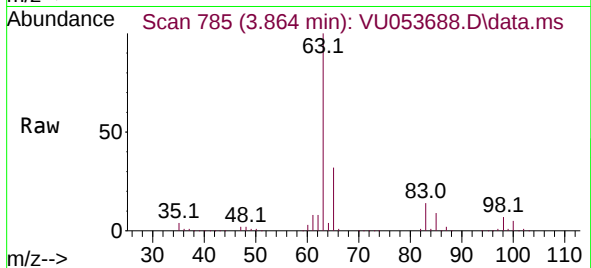




#19
1,1-Dichloroethane
Concen: 182.666 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

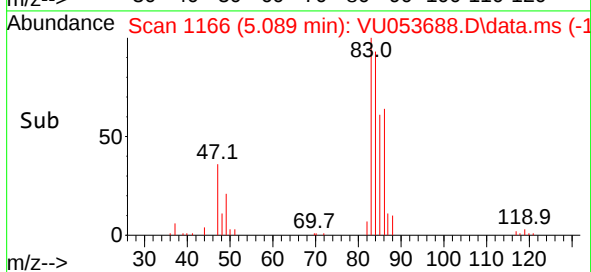
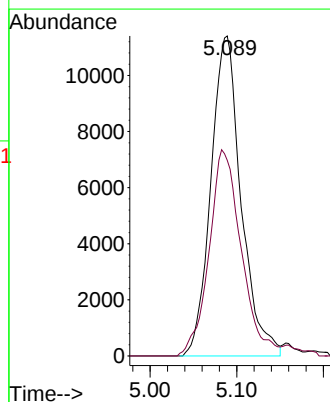
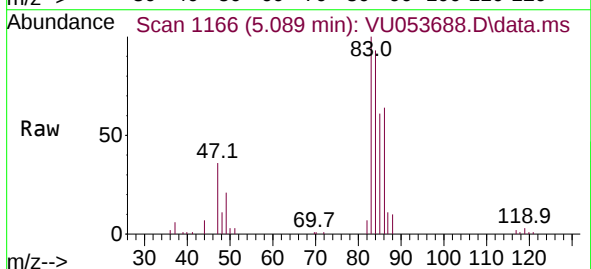
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

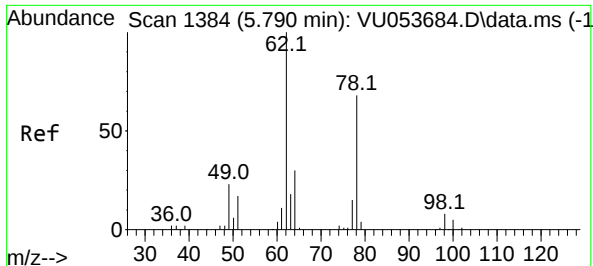
Tgt Ion: 63 Resp: 3200256
Ion Ratio Lower Upper
63 100
65 32.4 21.7 40.3
83 14.2 8.1 15.1



#25
Chloroform
Concen: 1.534 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

Tgt Ion: 83 Resp: 27642
Ion Ratio Lower Upper
83 100
85 61.2 47.3 87.9





#27

1,2-Dichloroethane

Concen: 1.435 ug/L

RT: 5.796 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU053688.D

Acq: 13 Apr 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

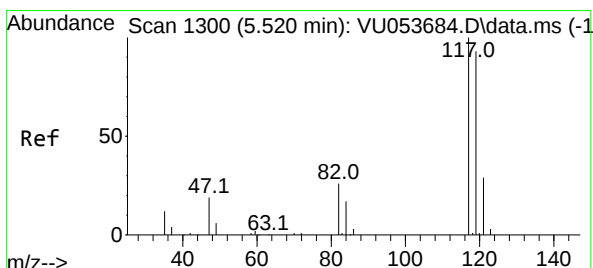
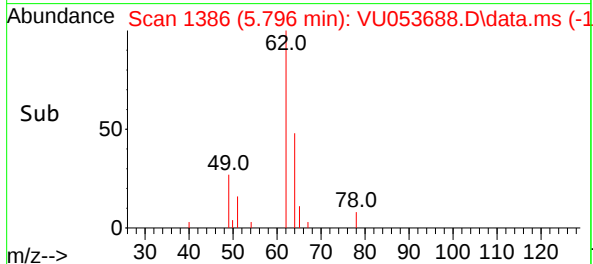
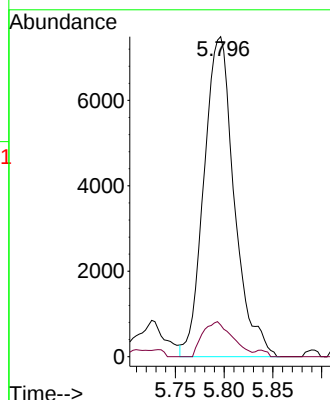
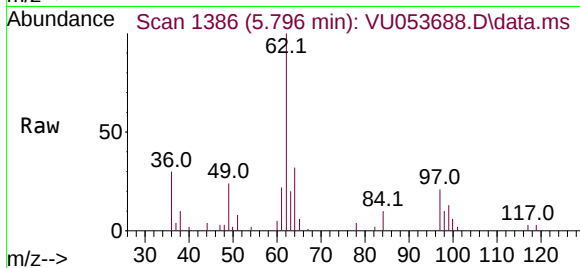
C0AE5

Tgt Ion: 62 Resp: 16203

Ion Ratio Lower Upper

62 100

98 9.9 6.4 9.6#



#31

Carbon tetrachloride

Concen: 1175.202 ug/L

RT: 5.353 min Scan# 1248

Delta R.T. -0.167 min

Lab File: VU053688.D

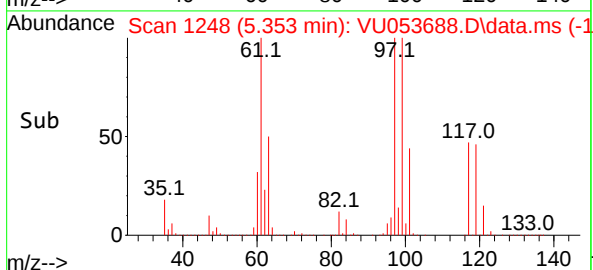
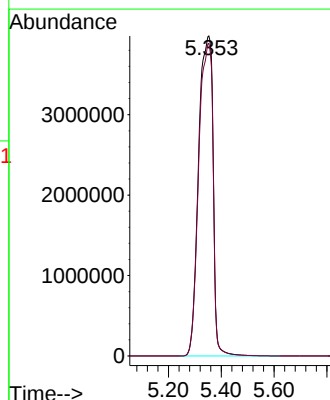
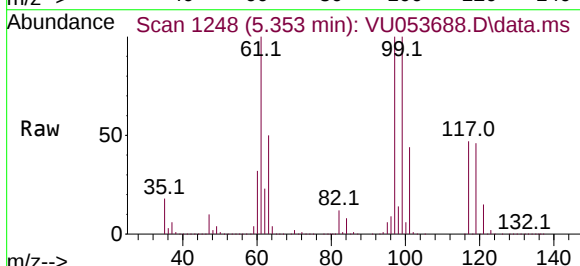
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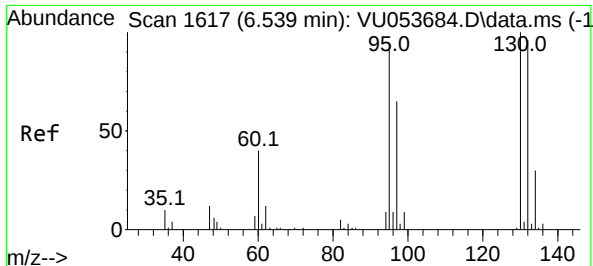
Tgt Ion: 117 Resp: 15069787

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5

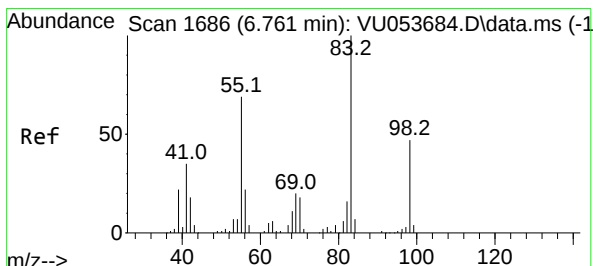
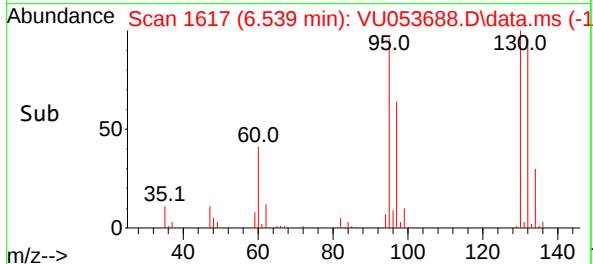
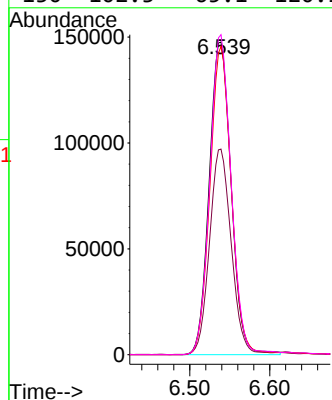
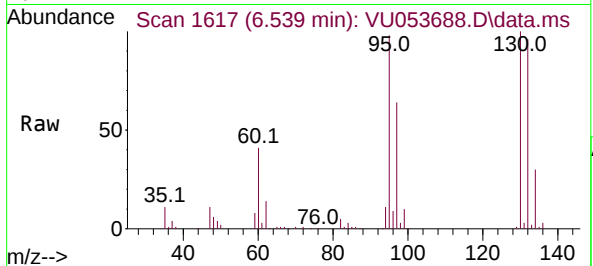




#34
Trichloroethene
Concen: 25.664 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

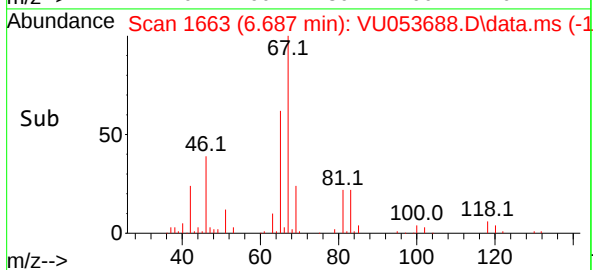
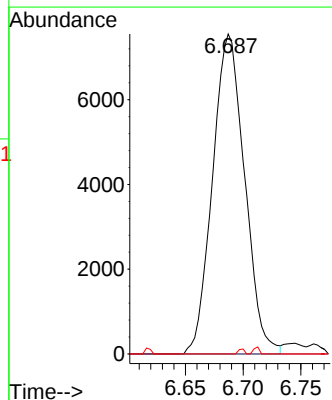
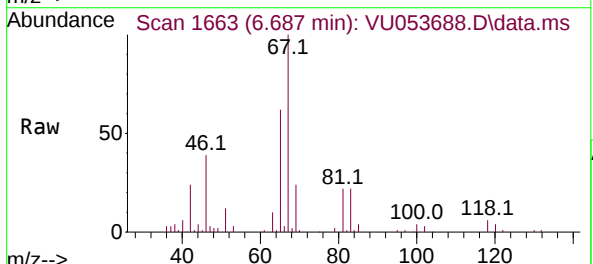
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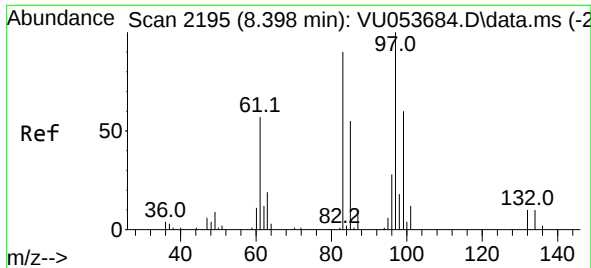
Tgt Ion: 95 Resp: 281102
Ion Ratio Lower Upper
95 100
97 65.8 45.3 84.1
132 98.6 62.8 116.6
130 102.3 65.1 120.9



#35
Methylcyclohexane
Concen: 0.777 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

Tgt Ion: 83 Resp: 14595
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 0.0 34.9 52.3#



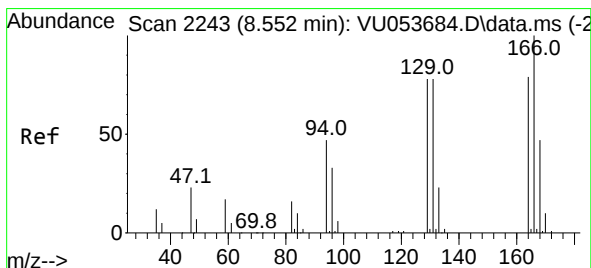
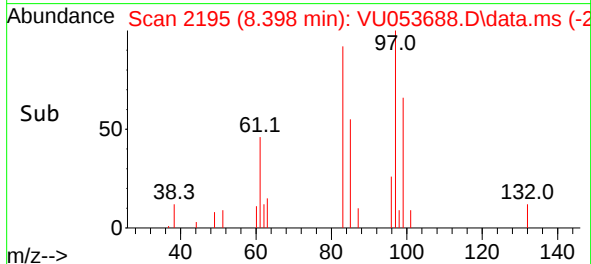
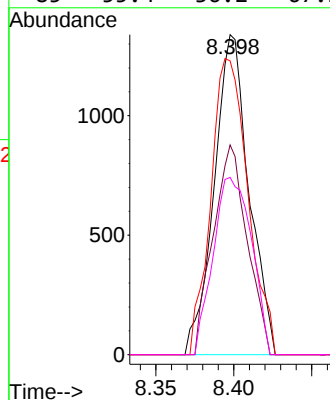
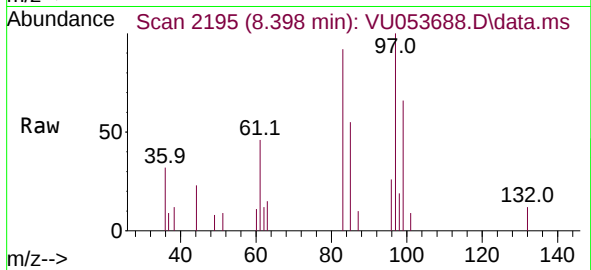


#45
1,1,2-Trichloroethane
Concen: 0.270 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :
C0AE5

Tgt Ion: 97 Resp: 2080

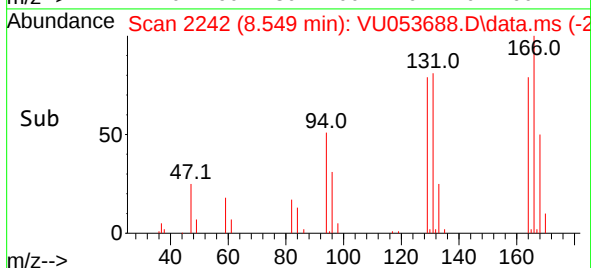
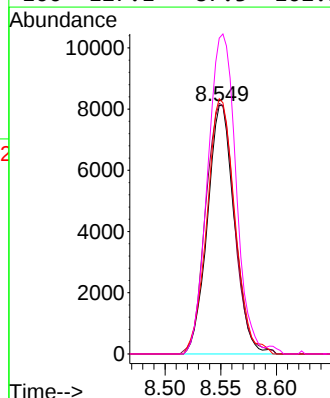
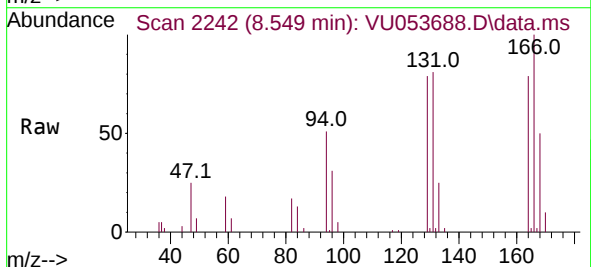
Ion	Ratio	Lower	Upper
97	100		
99	65.6	38.9	72.2
83	91.8	57.6	107.0
85	55.4	36.2	67.2

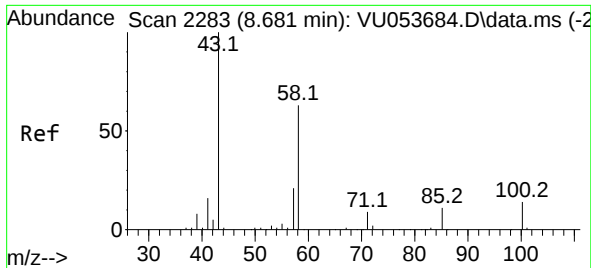


#47
Tetrachloroethene
Concen: 1.698 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

Tgt Ion: 164 Resp: 13668

Ion	Ratio	Lower	Upper
164	100		
129	100.9	74.8	138.8
131	102.8	70.1	130.1
166	127.1	87.3	162.1

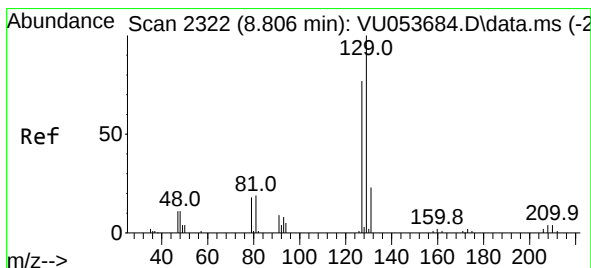
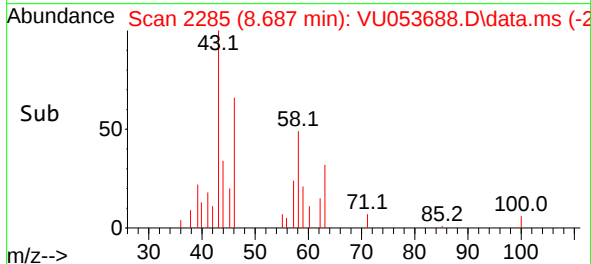
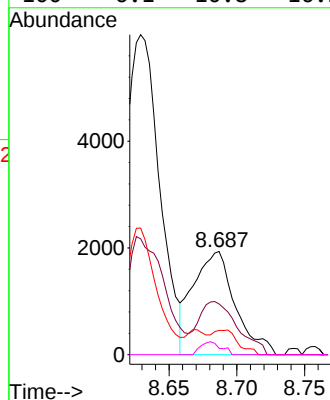
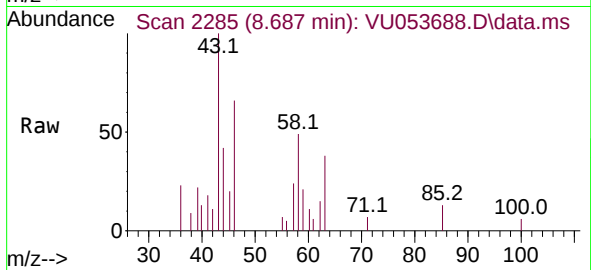




#48
2-Hexanone
Concen: 1.066 ug/L
RT: 8.687 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

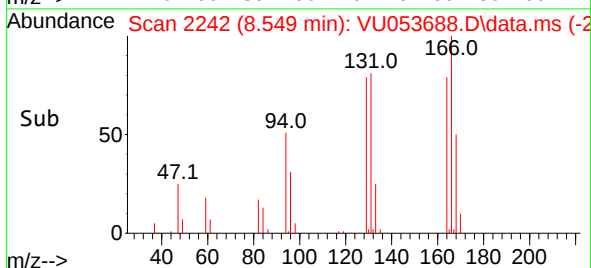
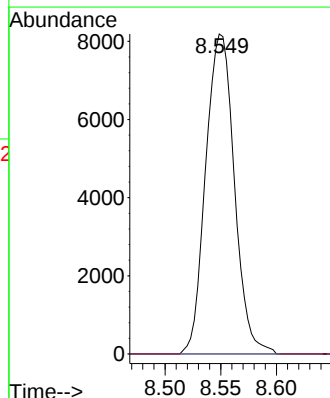
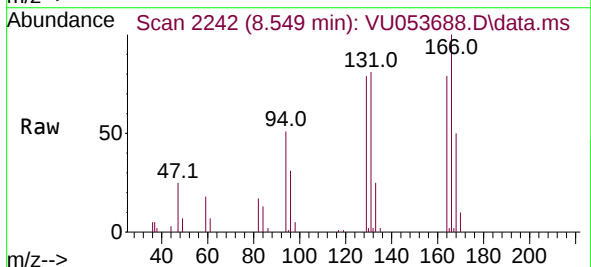
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

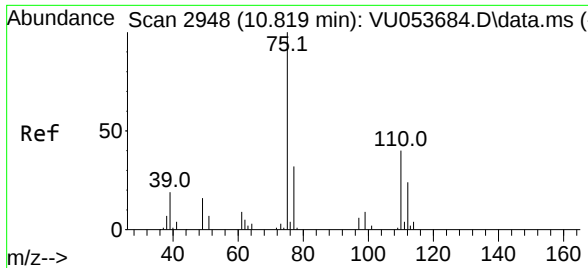
Tgt Ion:	43	Resp:	4187
Ion	Ratio	Lower	Upper
43	100		
58	47.5	52.8	79.2#
57	13.4	17.1	25.7#
100	6.1	10.8	16.2#



#49
Dibromochloromethane
Concen: 1.924 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053688.D
Acq: 13 Apr 2023 17:42

Tgt Ion:	129	Resp:	14672
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.2	97.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.469 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU053688.D
 Acq: 13 Apr 2023 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE5

Tgt Ion: 75	Resp:	8936
Ion Ratio	Lower	Upper
75	100	
110	0.9	30.6 46.0#
77	33.8	26.1 39.1

