

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
 Data File : VU057529.D
 Acq On : 15 Jan 2024 15:00
 Operator : MD/SY
 Sample : P1120-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGWJ5

Quant Time: Jan 16 00:35:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 00:31:32 2024
 Response via : Initial Calibration

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

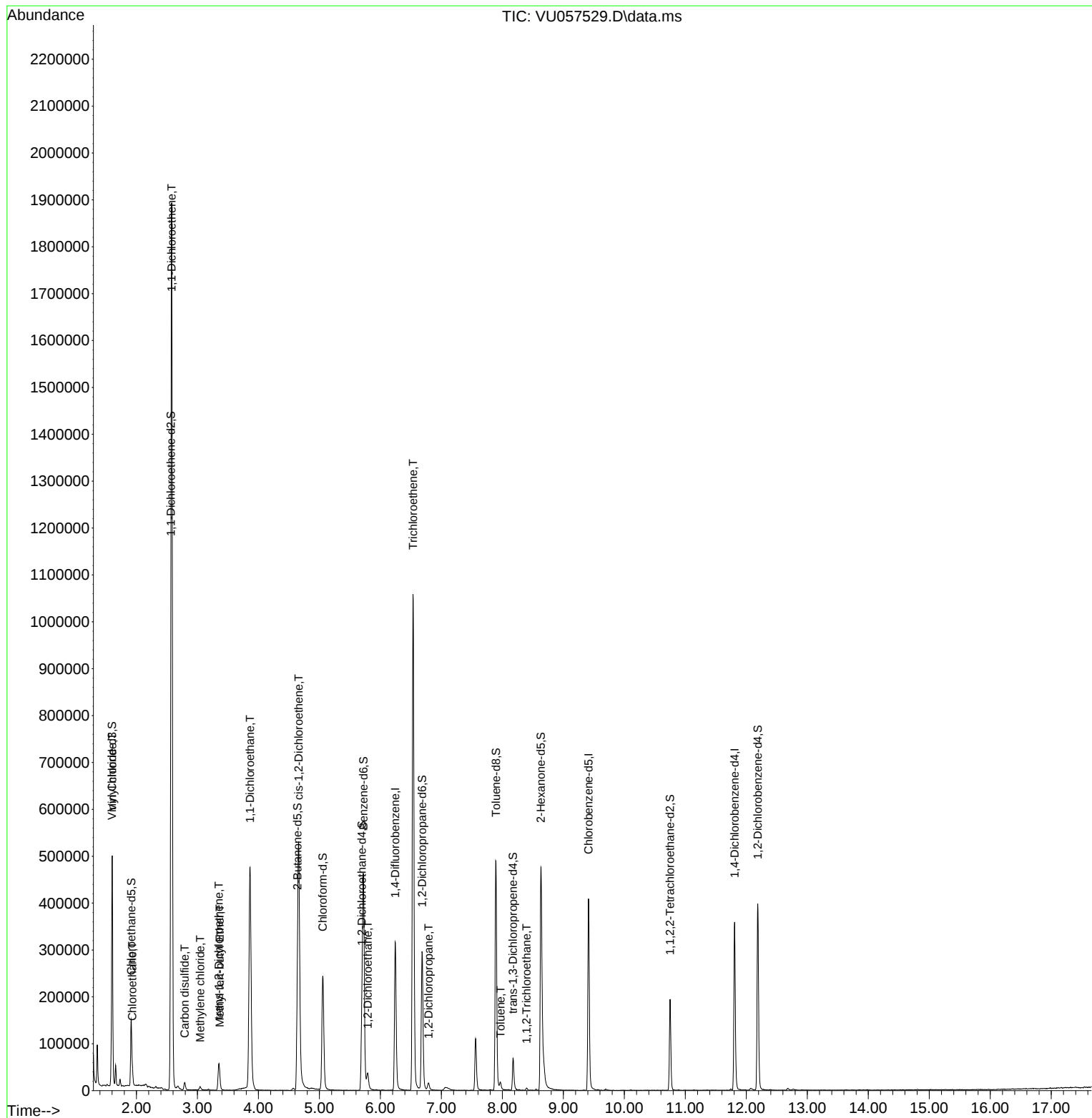
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	245899	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	218130	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	93405	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	122684	4.917	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.914	69	105849	5.453	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.000%
11) 1,1-Dichloroethene-d2	2.564	65	52237	4.951	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.000%
20) 2-Butanone-d5	4.641	46	259503	54.990	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.980%
24) Chloroform-d	5.055	84	231484	5.370	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
26) 1,2-Dichloroethane-d4	5.695	65	116513	5.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.200%
32) Benzene-d6	5.721	84	435517	5.474	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.400%
36) 1,2-Dichloropropane-d6	6.682	67	144592	5.829	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.600%
41) Toluene-d8	7.895	98	334096	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.174	79	39090	4.533	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.631	63	160695	51.466	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.940%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	95925	5.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	104160	5.553	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	240477	12.963	ug/L	98
8) Chloroethane	1.933	64	18678	1.615	ug/L	94
12) 1,1-Dichloroethene	2.576	96	588506	40.962	ug/L #	63
14) Carbon disulfide	2.792	76	22197	0.553	ug/L	97
16) Methylene chloride	3.043	84	3410	0.176	ug/L	91
17) Methyl tert-butyl Ether	3.364	73	5386	0.151	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	22169	1.555	ug/L	99
19) 1,1-Dichloroethane	3.863	63	552271	17.164	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	231039	13.917	ug/L	97
27) 1,2-Dichloroethane	5.792	62	28780	1.432	ug/L	99
34) Trichloroethene	6.535	95	384858	22.860	ug/L	100
37) 1,2-Dichloropropane	6.789	63	6117	0.337	ug/L #	93
42) Toluene	7.969	91	10892	0.172	ug/L	90
45) 1,1,2-Trichloroethane	8.396	97	2023	0.173	ug/L #	75

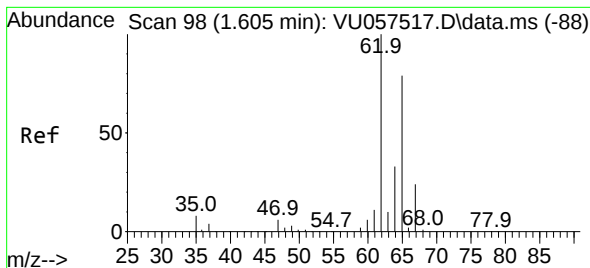
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.963 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU057529.D

Acq: 15 Jan 2024 15:00

Instrument :

MSVOA_U

ClientSampleId :

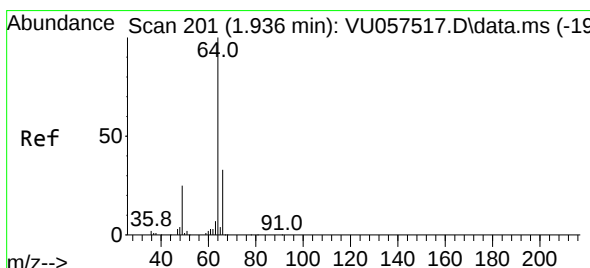
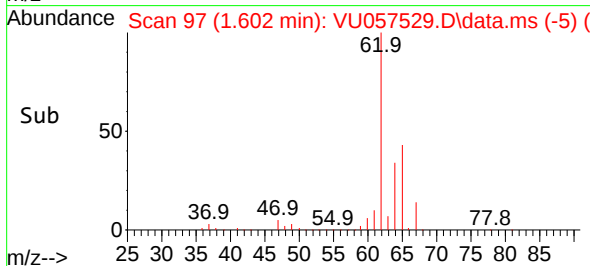
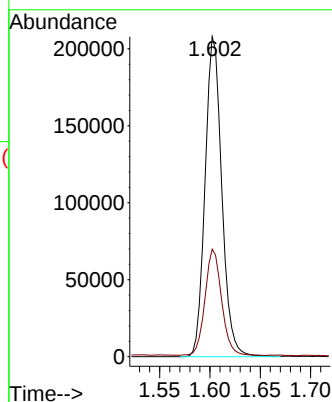
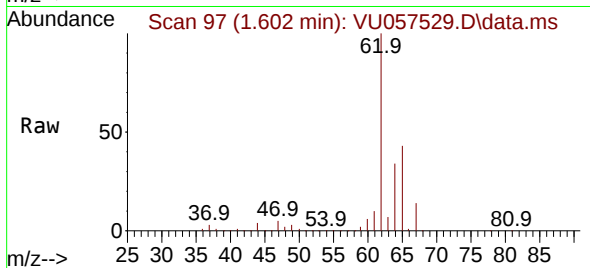
BGWJ5

Tgt Ion: 62 Resp: 240477

Ion Ratio Lower Upper

62 100

64 33.6 22.9 42.5



#8

Chloroethane

Concen: 1.615 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.003 min

Lab File: VU057529.D

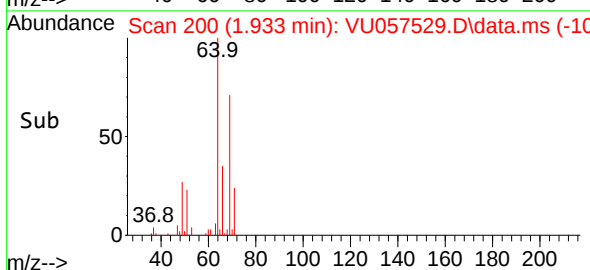
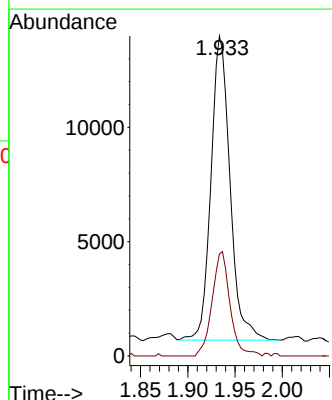
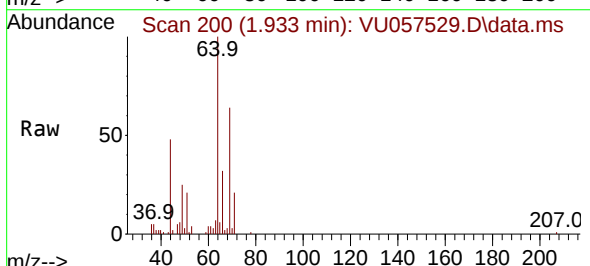
Acq: 15 Jan 2024 15:00

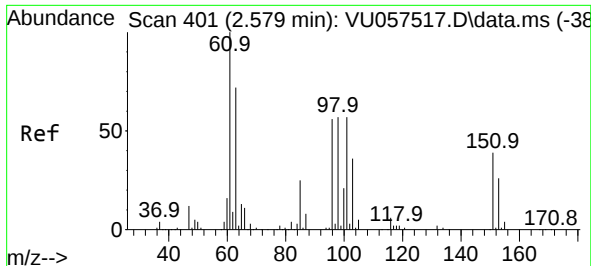
Tgt Ion: 64 Resp: 18678

Ion Ratio Lower Upper

64 100

66 29.9 23.3 43.3





#12

1,1-Dichloroethene

Concen: 40.962 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU057529.D

Acq: 15 Jan 2024 15:00

Instrument :

MSVOA_U

ClientSampleId :

BGWJ5

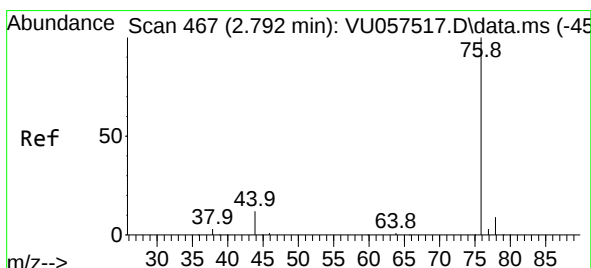
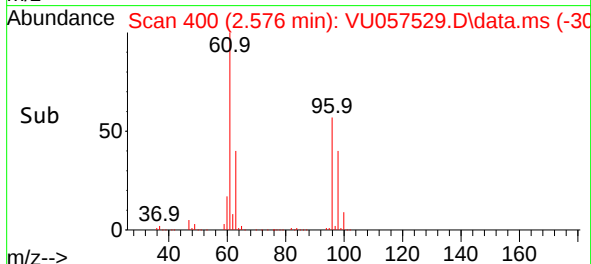
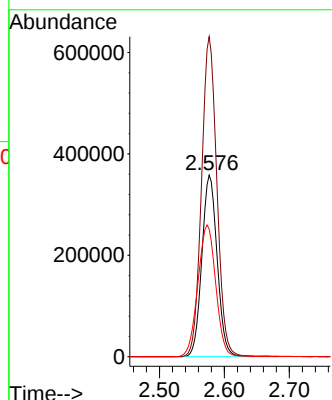
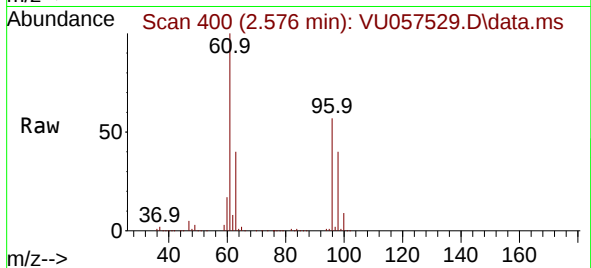
Tgt Ion: 96 Resp: 588506

Ion Ratio Lower Upper

96 100

61 176.2 130.9 243.1

63 70.3 114.8 213.2#



#14

Carbon disulfide

Concen: 0.553 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU057529.D

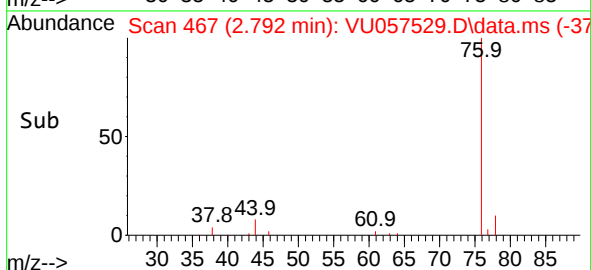
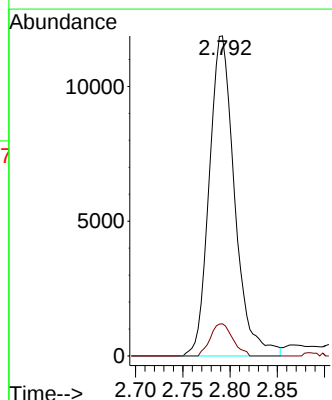
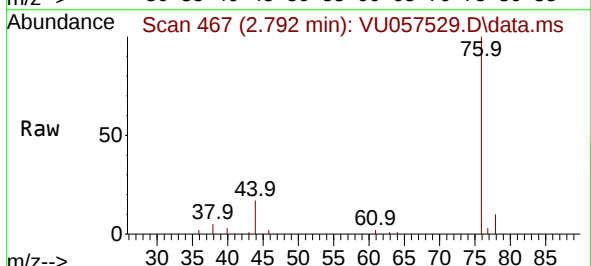
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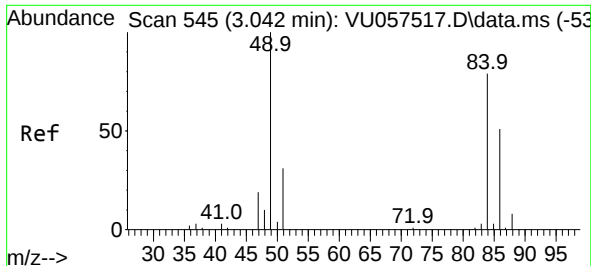
Tgt Ion: 76 Resp: 22197

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9

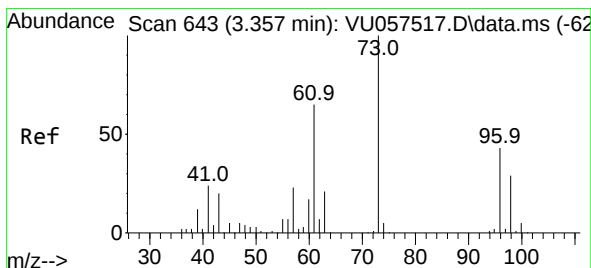
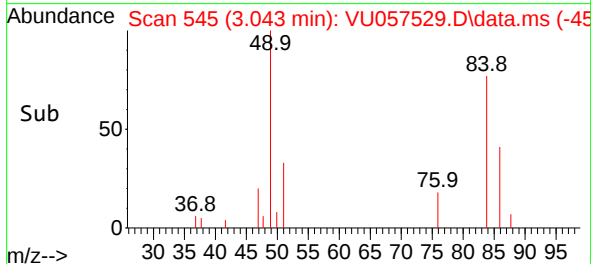
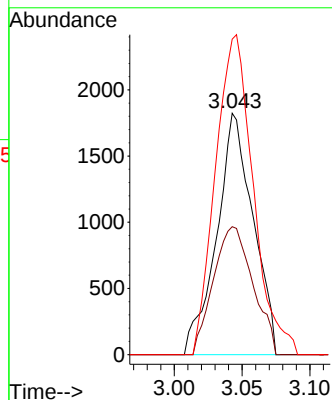
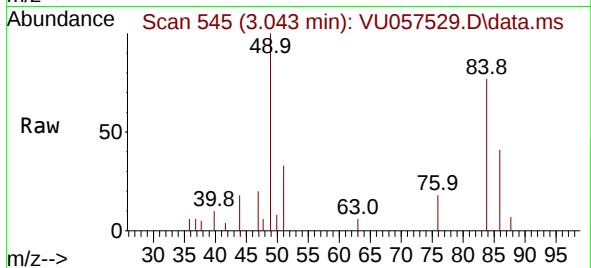




#16
Methylene chloride
Concen: 0.176 ug/L
RT: 3.043 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU057529.D
Acq: 15 Jan 2024 15:00

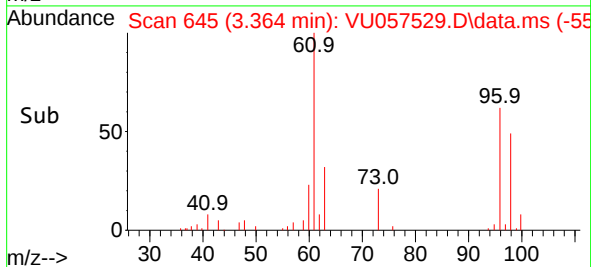
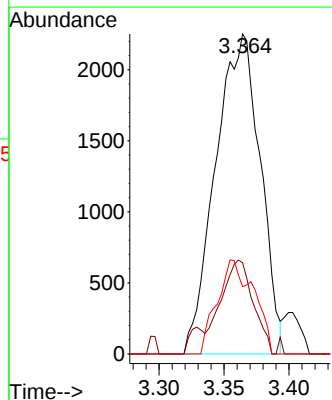
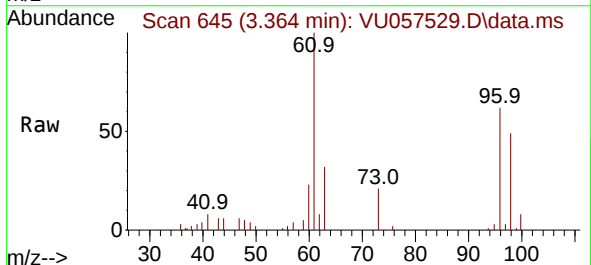
Instrument :
MSVOA_U
ClientSampleId :
BGWJ5

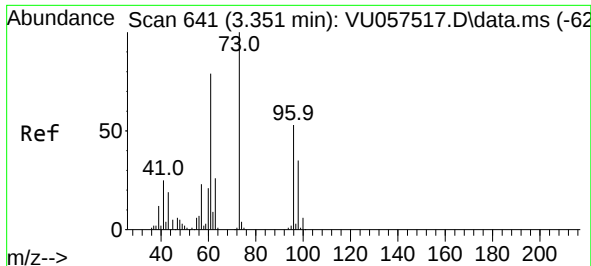
Tgt Ion: 84 Resp: 3410
Ion Ratio Lower Upper
84 100
86 53.0 45.8 85.2
49 130.7 86.7 161.1



#17
Methyl tert-butyl Ether
Concen: 0.151 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.007 min
Lab File: VU057529.D
Acq: 15 Jan 2024 15:00

Tgt Ion: 73 Resp: 5386
Ion Ratio Lower Upper
73 100
43 21.2 16.1 24.1
57 24.0 18.2 27.4

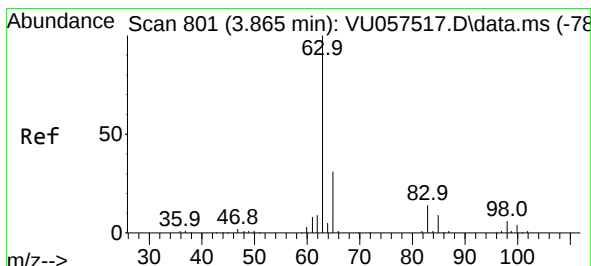
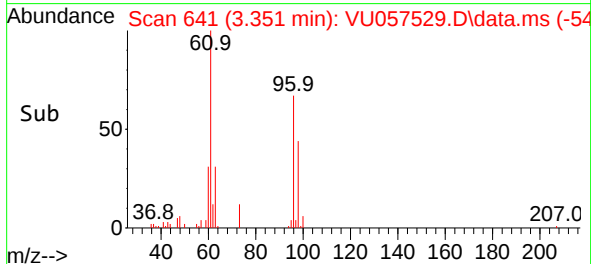
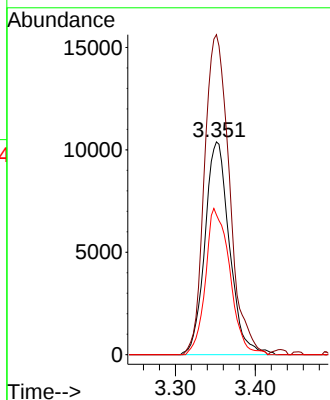
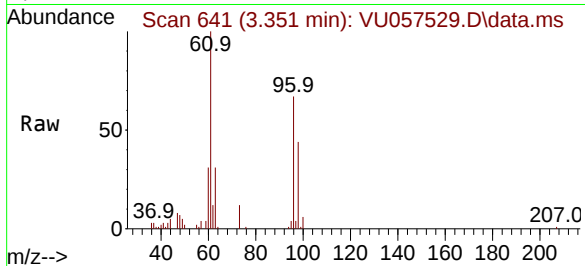




#18
trans-1,2-Dichloroethene
Concen: 1.555 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057529.D
Acq: 15 Jan 2024 15:00

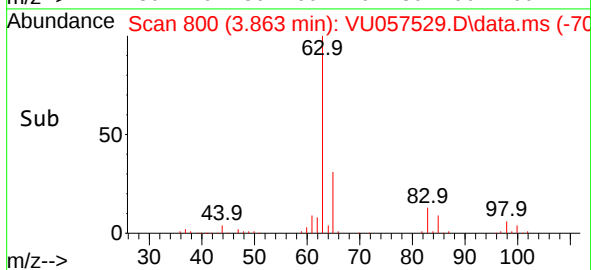
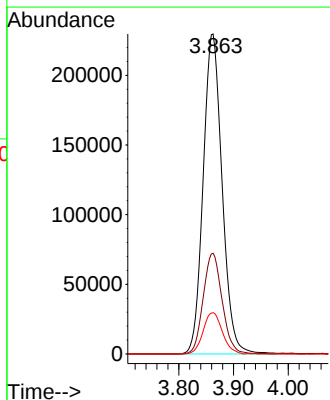
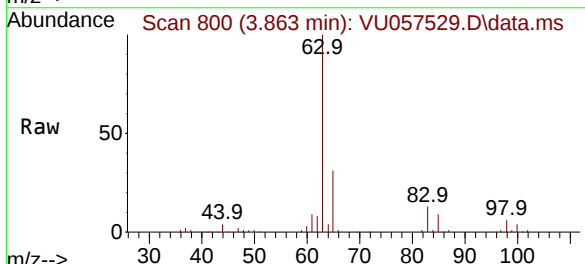
Instrument :
MSVOA_U
ClientSampleId :
BGWJ5

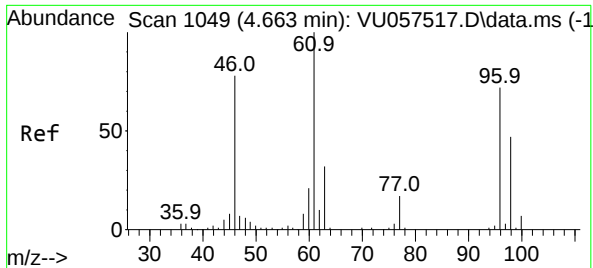
Tgt Ion: 96 Resp: 22169
Ion Ratio Lower Upper
96 100
61 150.4 105.1 195.3
98 65.7 43.7 81.1



#19
1,1-Dichloroethane
Concen: 17.164 ug/L
RT: 3.863 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU057529.D
Acq: 15 Jan 2024 15:00

Tgt Ion: 63 Resp: 552271
Ion Ratio Lower Upper
63 100
65 31.4 22.3 41.3
83 12.9 9.1 16.9

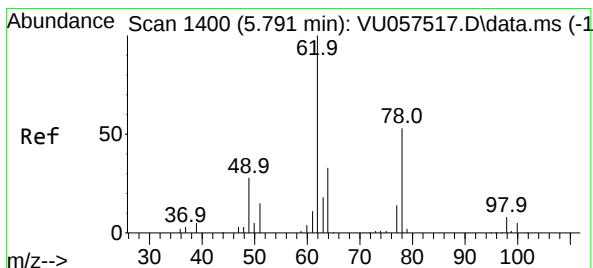
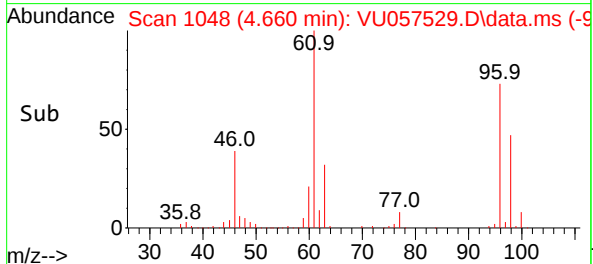
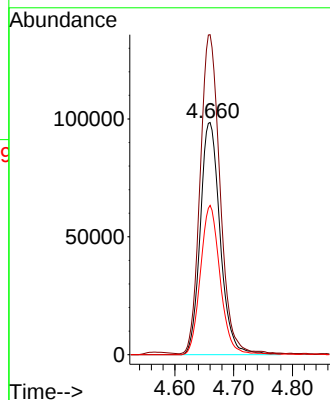
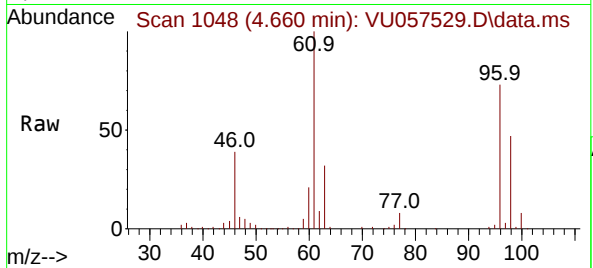




#22
 cis-1,2-Dichloroethene
 Concen: 13.917 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU057529.D
 Acq: 15 Jan 2024 15:00

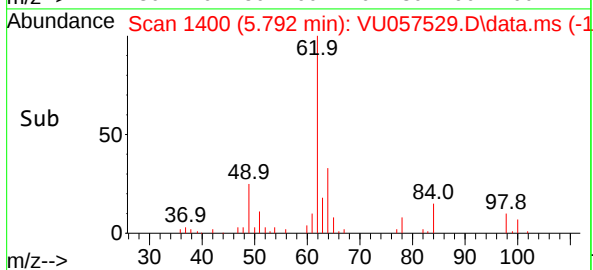
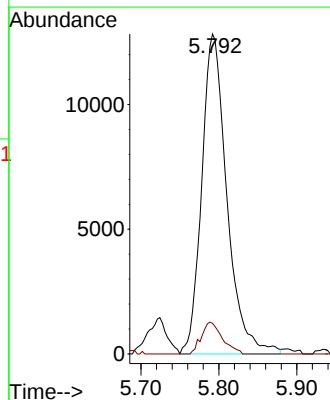
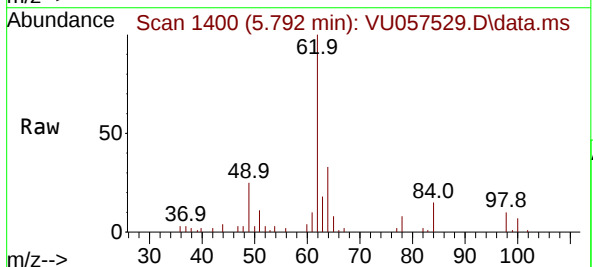
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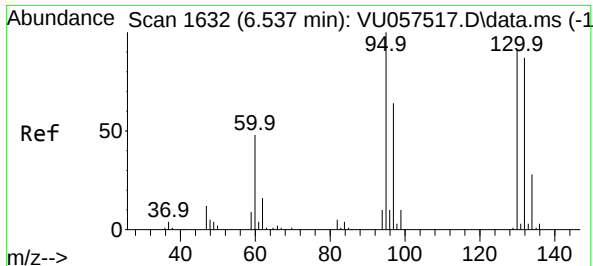
Tgt Ion: 96 Resp: 231039
 Ion Ratio Lower Upper
 96 100
 61 137.8 93.4 173.4
 98 64.3 44.9 83.3



#27
 1,2-Dichloroethane
 Concen: 1.432 ug/L
 RT: 5.792 min Scan# 1400
 Delta R.T. 0.000 min
 Lab File: VU057529.D
 Acq: 15 Jan 2024 15:00

Tgt Ion: 62 Resp: 28780
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.4 11.0





#34

Trichloroethene

Concen: 22.860 ug/L

RT: 6.535 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057529.D

Acq: 15 Jan 2024 15:00

Instrument :

MSVOA_U

ClientSampleId :

BGWJ5

Tgt Ion: 95 Resp: 384858

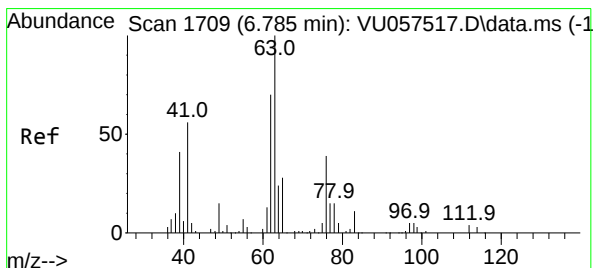
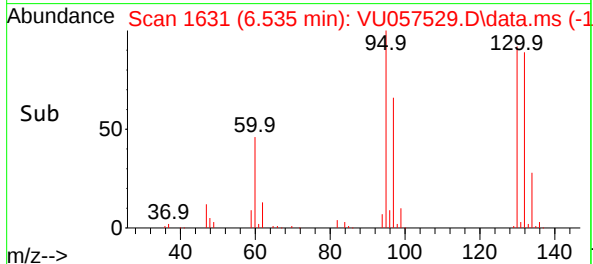
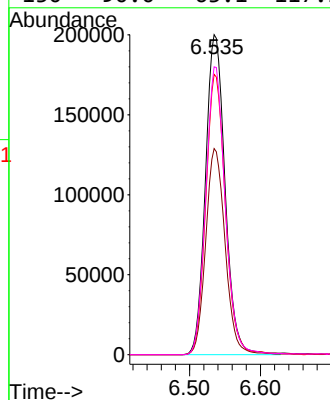
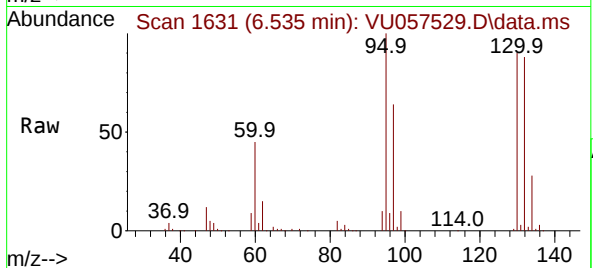
Ion Ratio Lower Upper

95 100

97 64.4 45.0 83.6

132 87.6 61.7 114.5

130 90.0 63.1 117.3



#37

1,2-Dichloropropane

Concen: 0.337 ug/L

RT: 6.789 min Scan# 1710

Delta R.T. 0.004 min

Lab File: VU057529.D

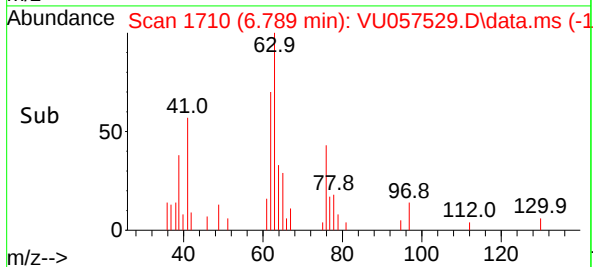
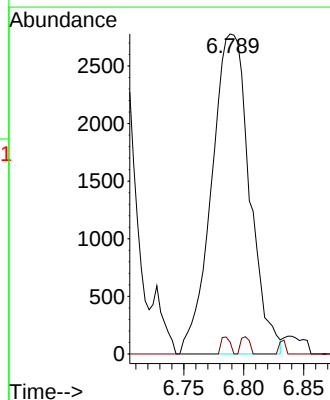
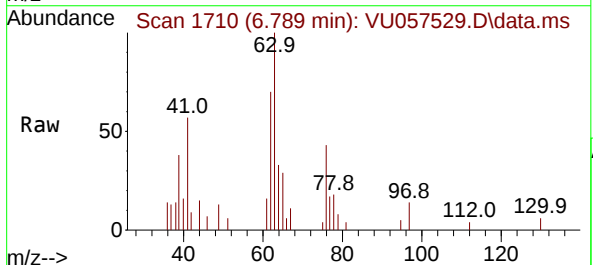
Acq: 15 Jan 2024 15:00

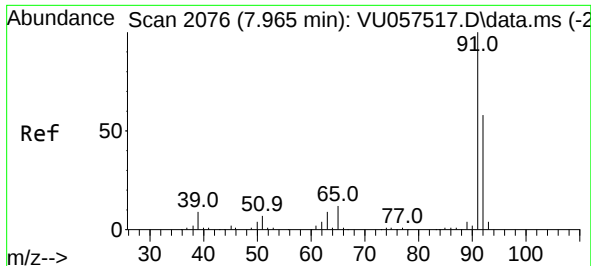
Tgt Ion: 63 Resp: 6117

Ion Ratio Lower Upper

63 100

112 1.2 2.7 4.1#





#42

Toluene

Concen: 0.172 ug/L

RT: 7.969 min Scan# 2076

Delta R.T. 0.004 min

Lab File: VU057529.D

Acq: 15 Jan 2024 15:00

Instrument :

MSVOA_U

ClientSampleId :

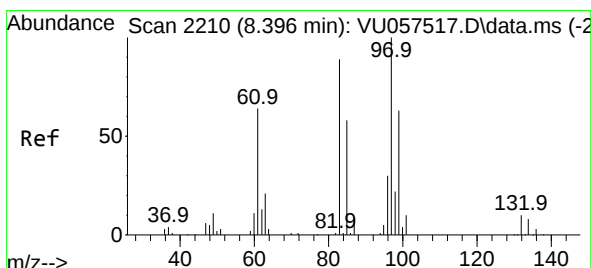
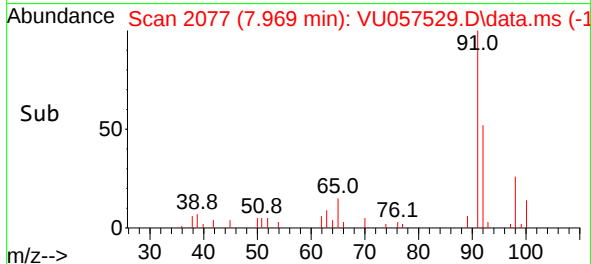
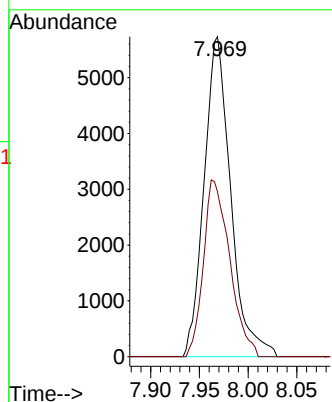
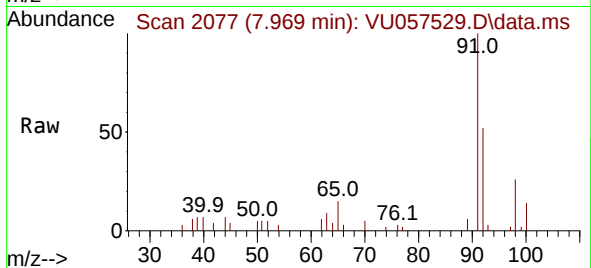
BGWJ5

Tgt Ion: 91 Resp: 10892

Ion Ratio Lower Upper

91 100

92 51.5 41.2 76.4



#45

1,1,2-Trichloroethane

Concen: 0.173 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VU057529.D

Acq: 15 Jan 2024 15:00

Tgt Ion: 97 Resp: 2023

Ion Ratio Lower Upper

97 100

99 65.7 45.5 84.5

83 54.7 63.8 118.6#

85 35.3 40.1 74.5#

