

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054529.D
 Acq On : 15 Jun 2023 16:24
 Operator : MD/SY
 Sample : 03253-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY3

Quant Time: Jun 16 01:32:32 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

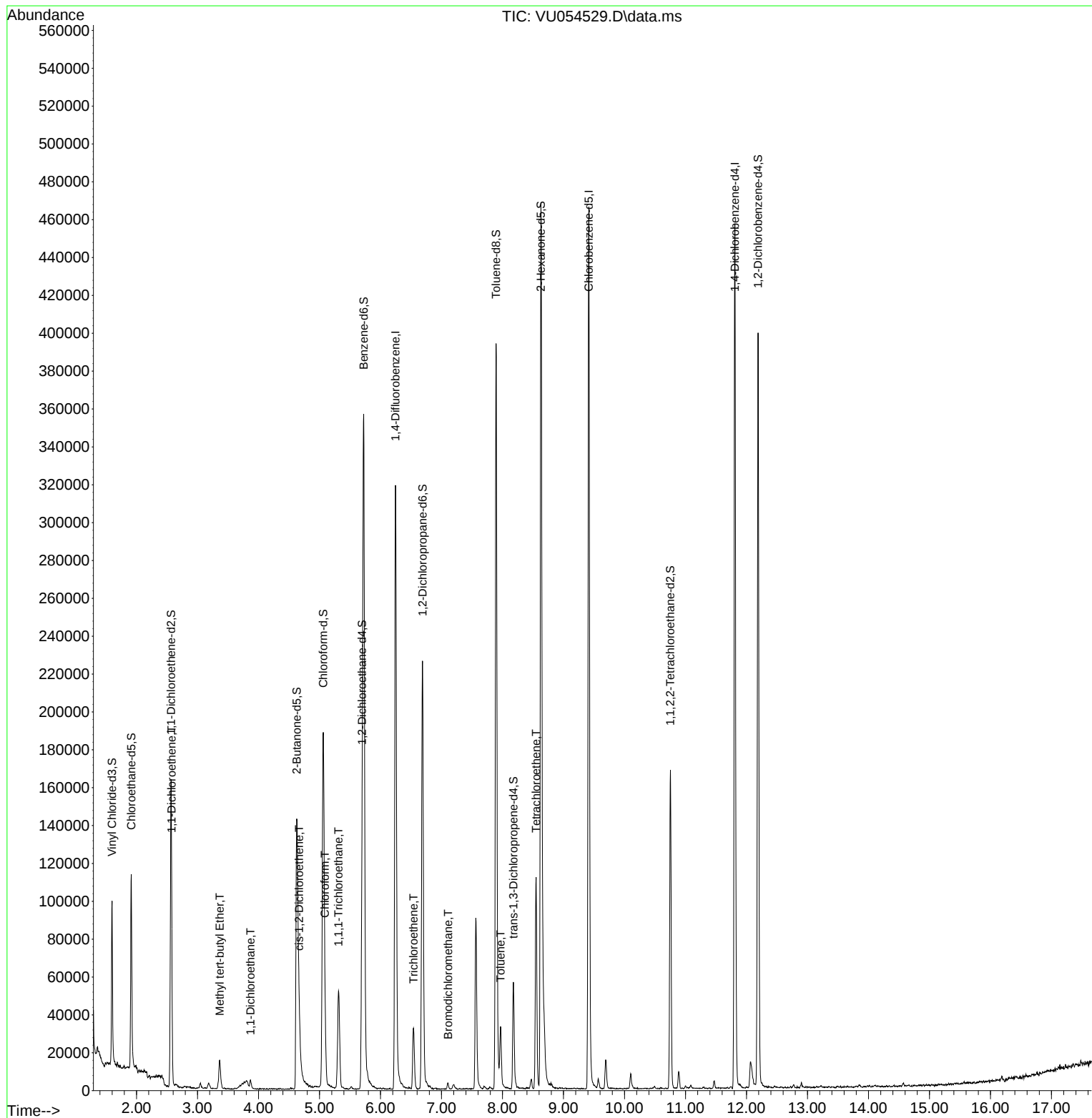
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	263673	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	125538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63644	3.793	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.800%
7) Chloroethane-d5	1.914	69	77424	4.928	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.566	65	30907	4.124	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.627	46	243654	51.644	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.280%
24) Chloroform-d	5.062	84	175415	5.001	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.698	65	87577	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.724	84	339833	4.616	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.688	67	119513	4.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	270991	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	8.180	79	33793	3.952	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.630	63	162867	45.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.800%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87746	4.785	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	106481	5.029	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	4284	0.224	ug/L	# 1
17) Methyl tert-butyl Ether	3.364	73	13784	0.292	ug/L	98
19) 1,1-Dichloroethane	3.869	63	4935	0.121	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	6552	0.291	ug/L	93
25) Chloroform	5.087	83	28019	0.696	ug/L	94
29) 1,1,1-Trichloroethane	5.312	97	38625	1.075	ug/L	97
34) Trichloroethene	6.541	95	11467	0.456	ug/L	93
38) Bromodichloromethane	7.110	83	2427	0.083	ug/L	82
42) Toluene	7.968	91	23960	0.244	ug/L	92
47) Tetrachloroethene	8.550	164	25425	1.320	ug/L	98

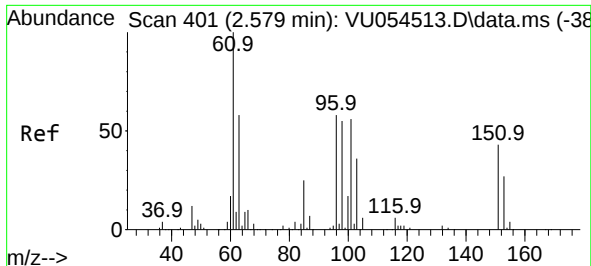
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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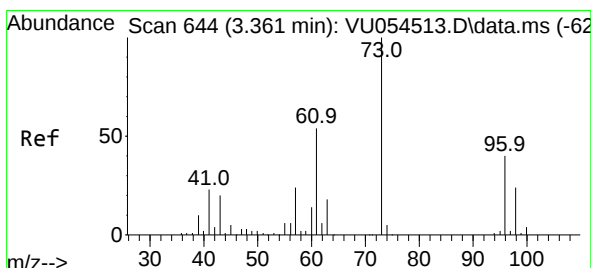
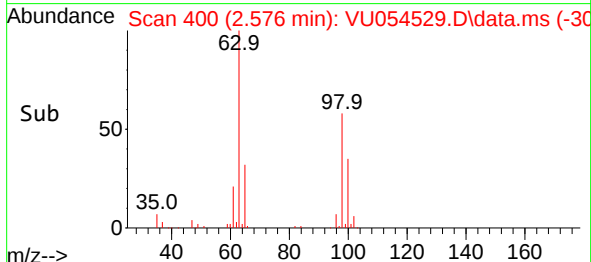
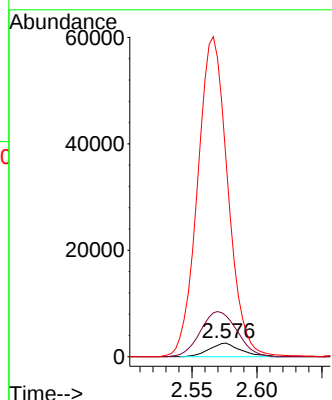
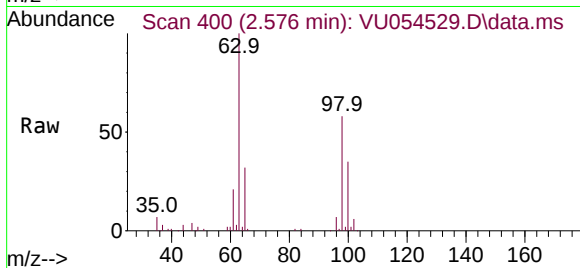




#12
1,1-Dichloroethene
Concen: 0.224 ug/L
RT: 2.576 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

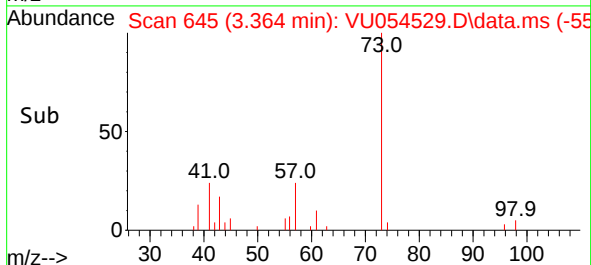
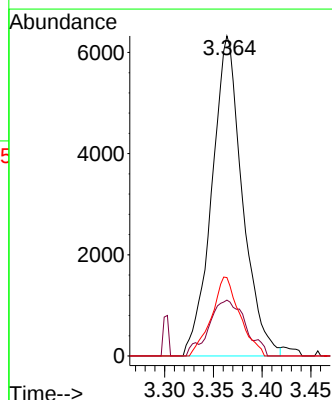
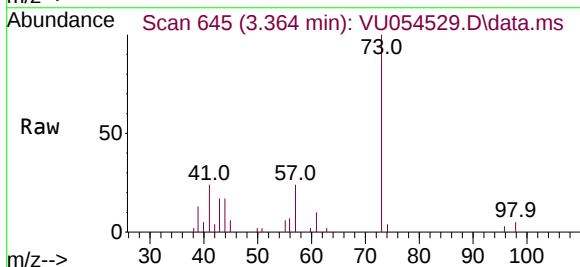
Instrument :
MSVOA_U
ClientSampleId :
EXYY3

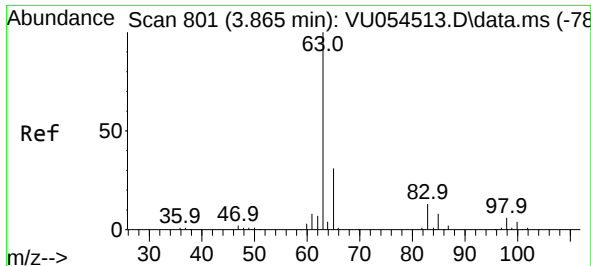
Tgt Ion: 96 Resp: 4284
Ion Ratio Lower Upper
96 100
61 301.2 119.9 222.7#
63 1463.3 64.3 119.3#



#17
Methyl tert-butyl Ether
Concen: 0.292 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 73 Resp: 13784
Ion Ratio Lower Upper
73 100
43 20.9 15.7 23.5
57 22.8 18.6 28.0





#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

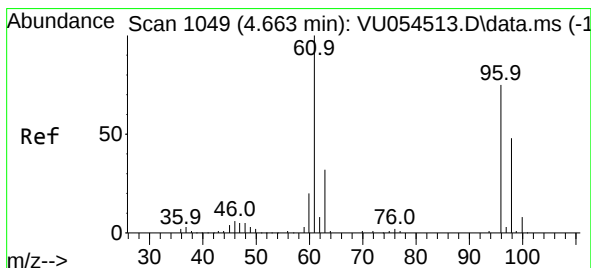
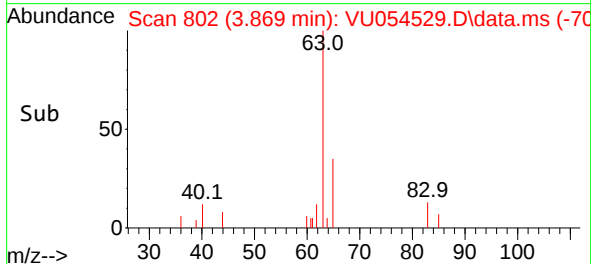
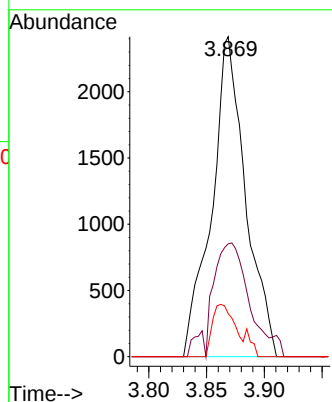
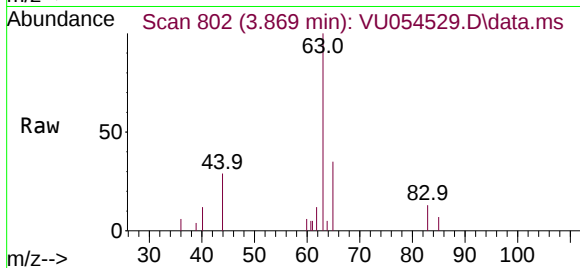
Tgt Ion: 63 Resp: 4935

Ion Ratio Lower Upper

63 100

65 33.7 22.2 41.2

83 12.9 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

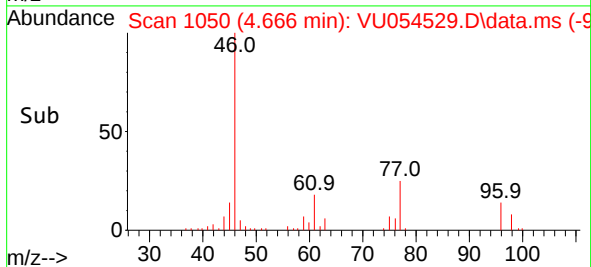
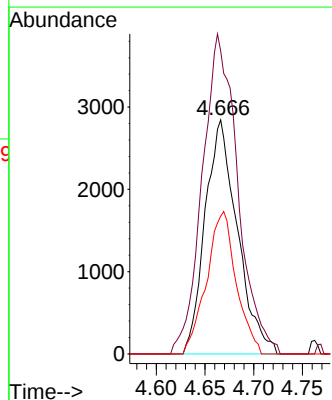
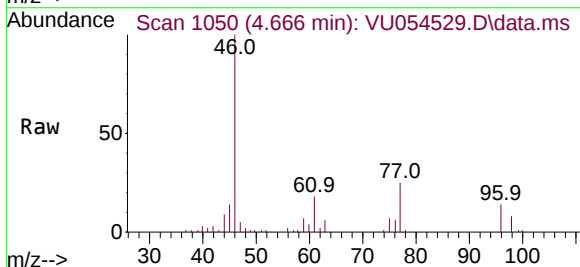
Tgt Ion: 96 Resp: 6552

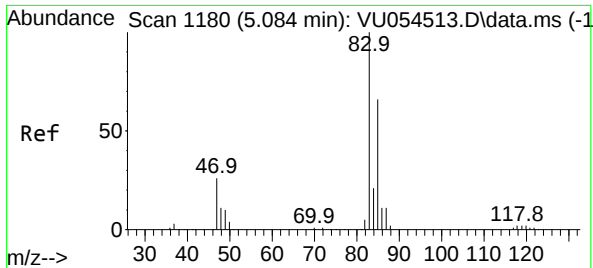
Ion Ratio Lower Upper

96 100

61 129.5 96.5 179.1

98 58.9 44.9 83.3

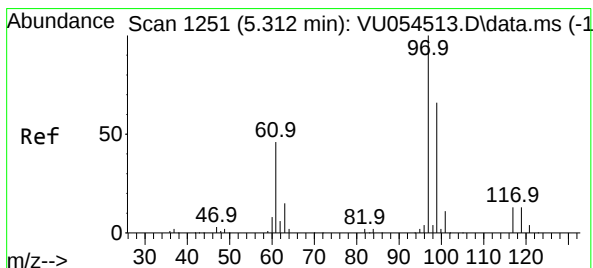
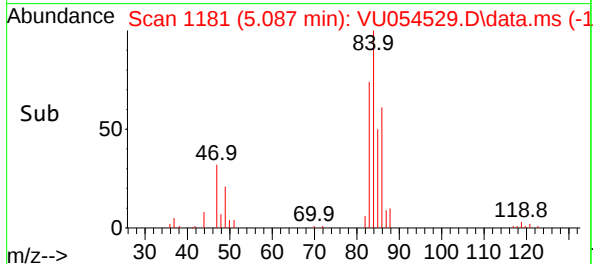
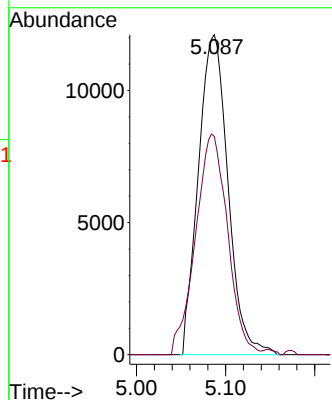
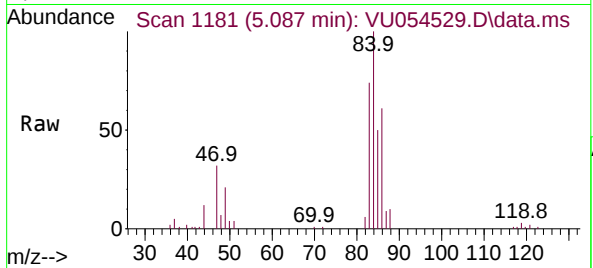




#25
Chloroform
Concen: 0.696 ug/L
RT: 5.087 min Scan# 1180
Delta R.T. 0.003 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

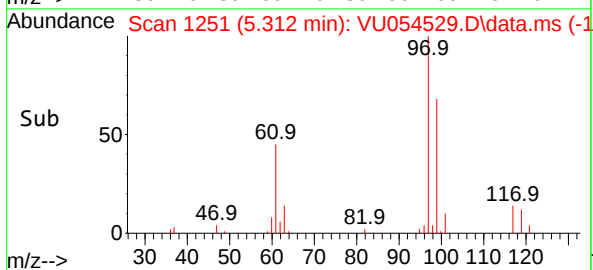
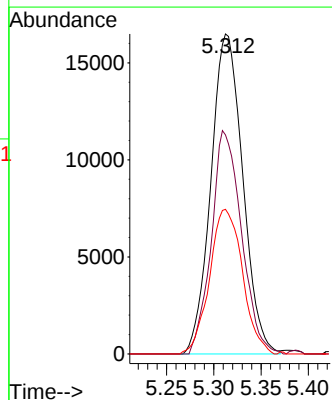
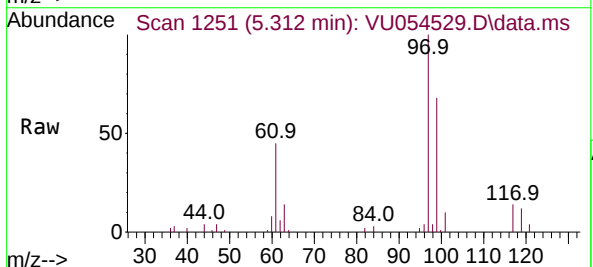
Instrument :
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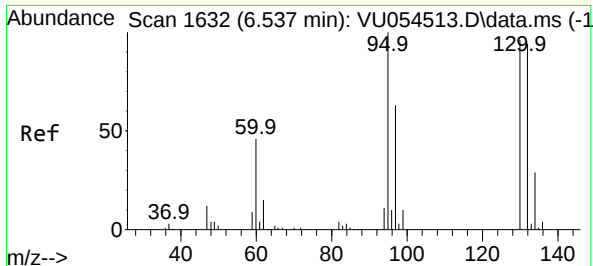
Tgt Ion: 83 Resp: 28019
Ion Ratio Lower Upper
83 100
85 68.2 44.7 82.9



#29
1,1,1-Trichloroethane
Concen: 1.075 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 97 Resp: 38625
Ion Ratio Lower Upper
97 100
99 66.0 50.8 76.2
61 46.7 36.1 54.1





#34

Trichloroethene

Concen: 0.456 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

Tgt Ion: 95 Resp: 11467

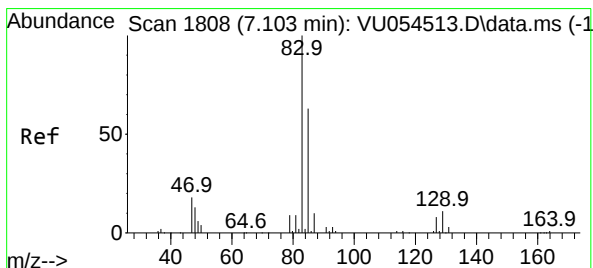
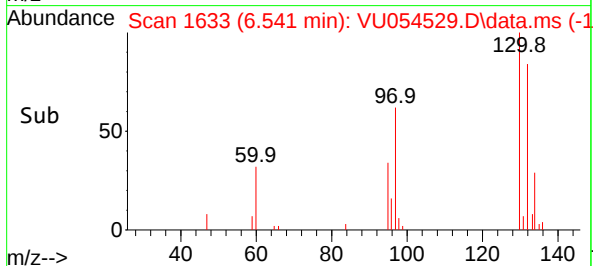
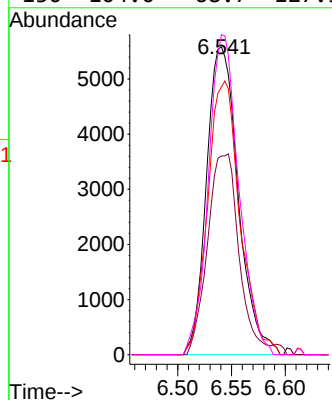
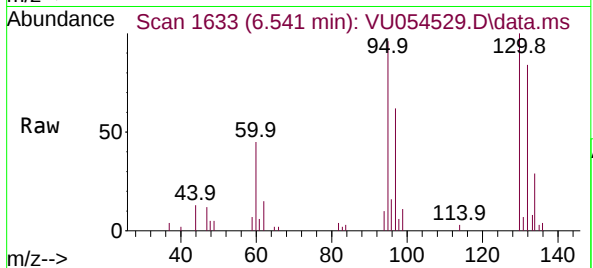
Ion Ratio Lower Upper

95 100

97 64.6 46.8 87.0

132 87.1 68.4 127.0

130 104.0 68.7 127.5



#38

Bromodichloromethane

Concen: 0.083 ug/L

RT: 7.110 min Scan# 1810

Delta R.T. 0.006 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

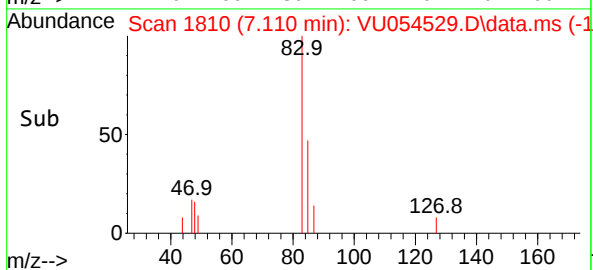
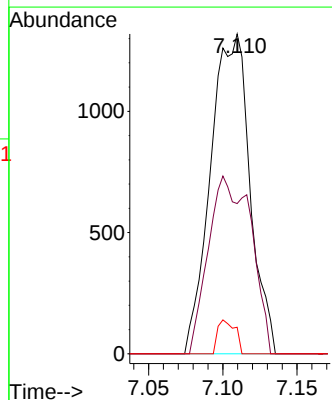
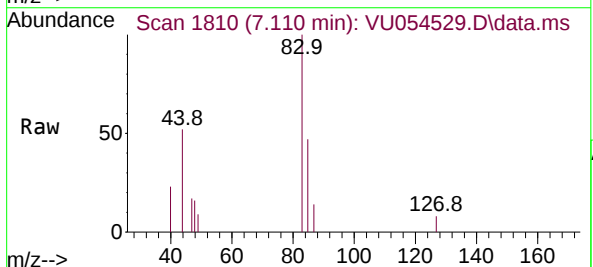
Tgt Ion: 83 Resp: 2427

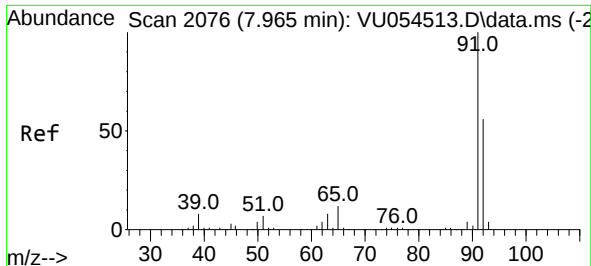
Ion Ratio Lower Upper

83 100

85 47.0 44.1 81.9

127 8.3 6.6 10.0





#42

Toluene

Concen: 0.244 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054529.D

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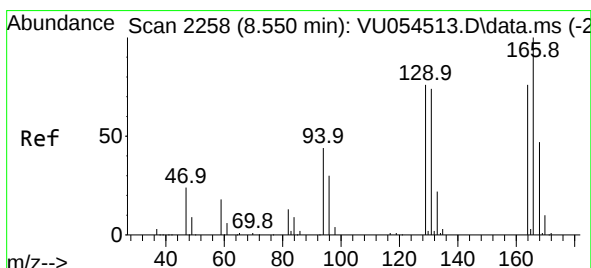
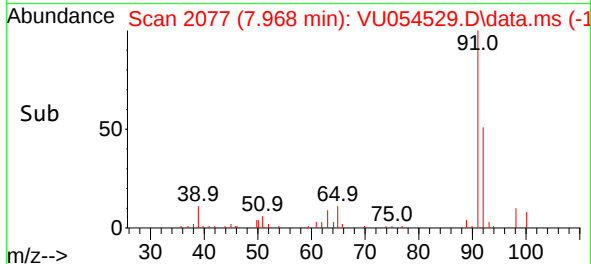
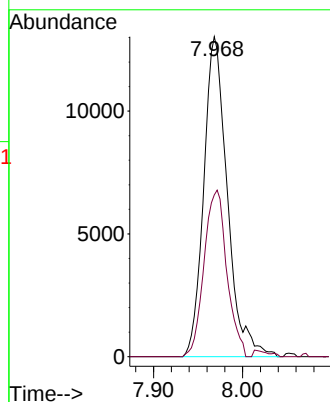
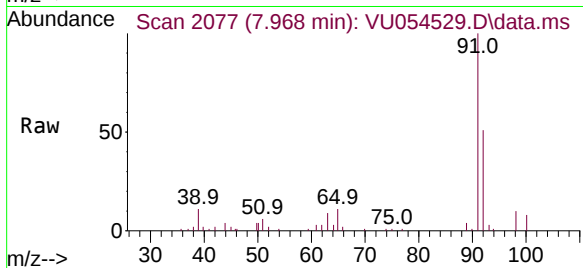
EXYY3

Tgt Ion: 91 Resp: 23960

Ion Ratio Lower Upper

91 100

92 50.6 39.5 73.4



#47

Tetrachloroethene

Concen: 1.320 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Tgt Ion: 164 Resp: 25425

Ion Ratio Lower Upper

164 100

129 95.9 67.7 125.7

131 91.6 64.6 120.0

166 121.2 88.1 163.7

