

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052223\
 Data File : VU054237.D
 Acq On : 22 May 2023 11:08
 Operator : JC/MD
 Sample : 02874-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CONY4

Quant Time: May 22 12:42:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 20 02:06:23 2023
 Response via : Initial Calibration

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

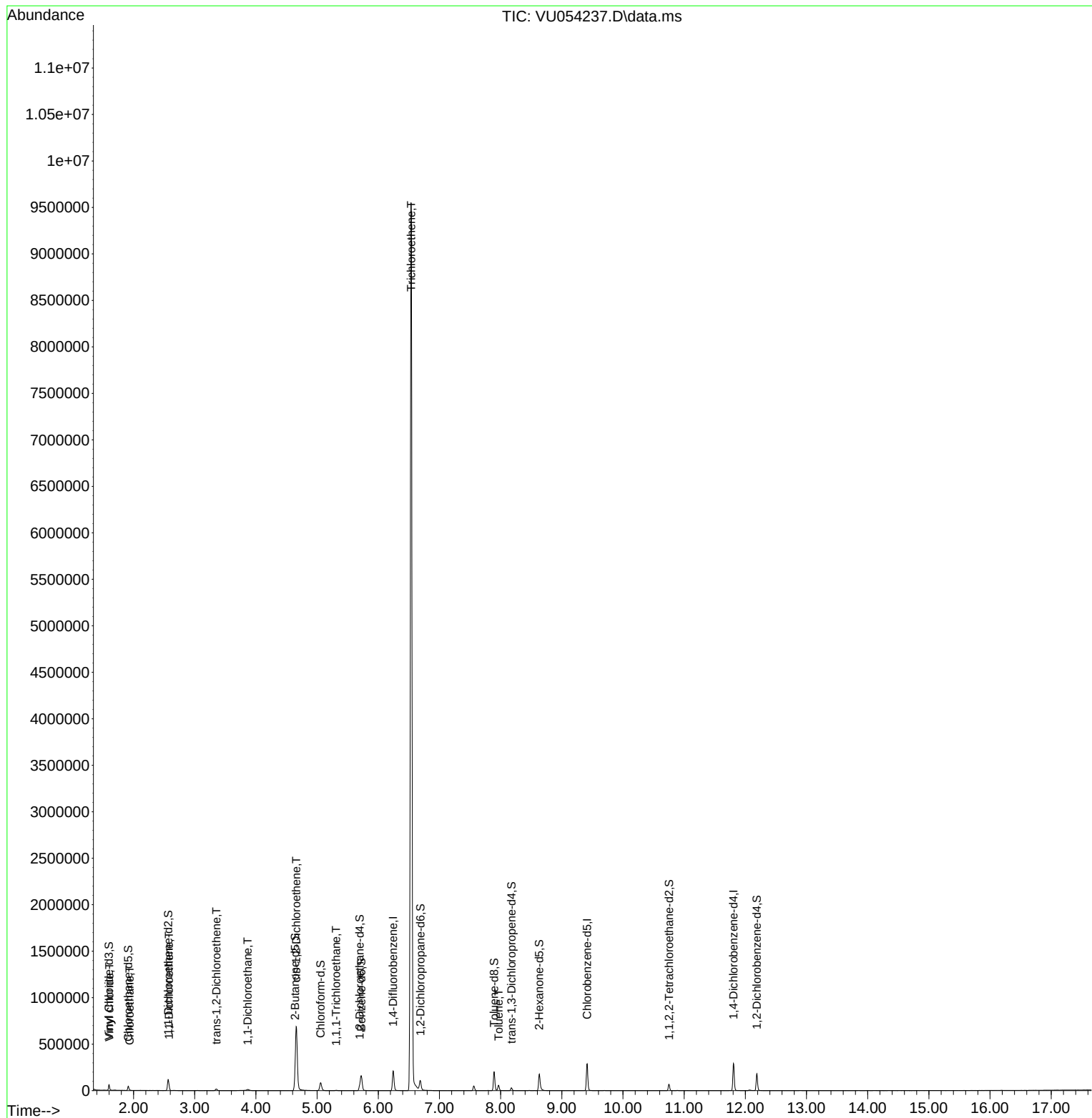
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	176499	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	165404	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	82374	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	41010	4.310	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.913	69	35412	4.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.565	65	18620	4.333	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	4.639	46	85259	50.242	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.480%
24) Chloroform-d	5.057	84	80389	4.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.697	65	38868	4.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.723	84	157567	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.687	67	48762	5.009	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.893	98	137618	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.176	79	17926	4.559	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.630	63	64313	54.929	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.860%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	34889	5.000	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	50996	5.073	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	6969	0.530	ug/L #	80
8) Chloroethane	1.935	64	1800	0.216	ug/L	92
12) 1,1-Dichloroethene	2.578	96	11854	1.097	ug/L #	44
18) trans-1,2-Dichloroethene	3.353	96	7188	0.654	ug/L	98
19) 1,1-Dichloroethane	3.864	63	9910	0.450	ug/L	97
22) cis-1,2-Dichloroethene	4.659	96	365366	28.438	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	2837	0.137	ug/L #	74
34) Trichloroethene	6.536	95	3280983	260.589	ug/L	97
42) Toluene	7.967	91	42513	0.859	ug/L	93

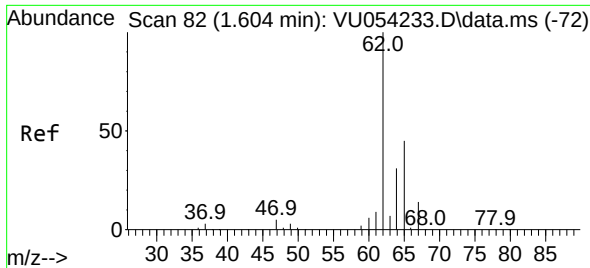
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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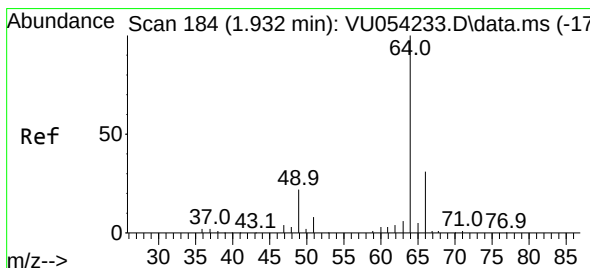
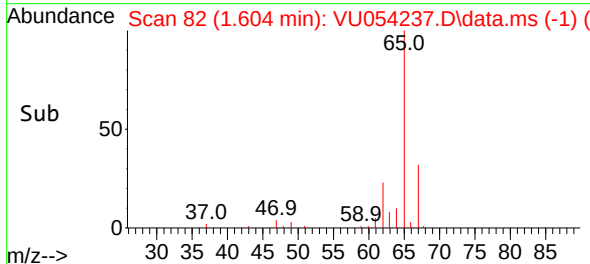
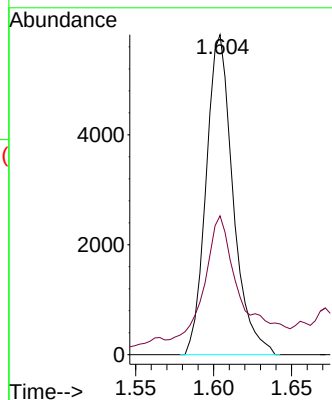
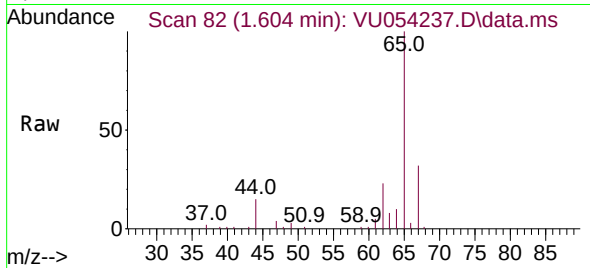




#5
 Vinyl chloride
 Concen: 0.530 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054237.D
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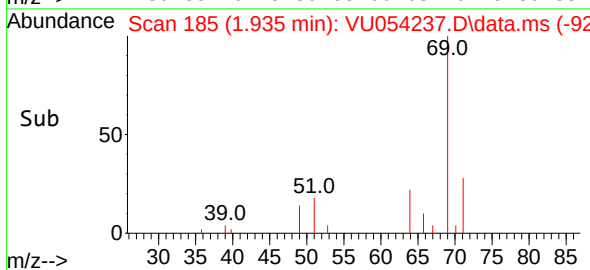
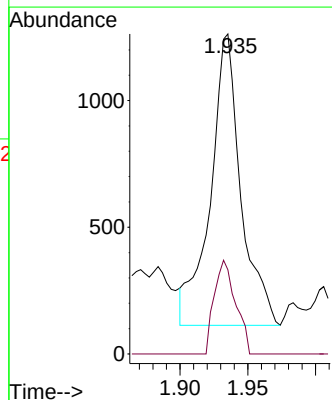
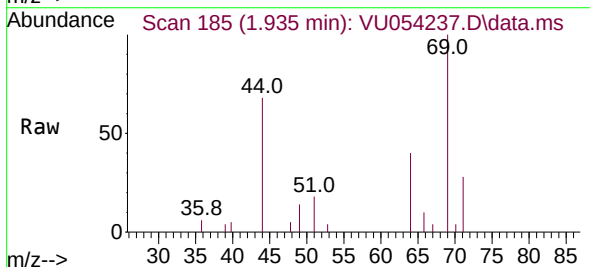
Instrument :
 MSVOA_U
 ClientSampleId :
 CONY4

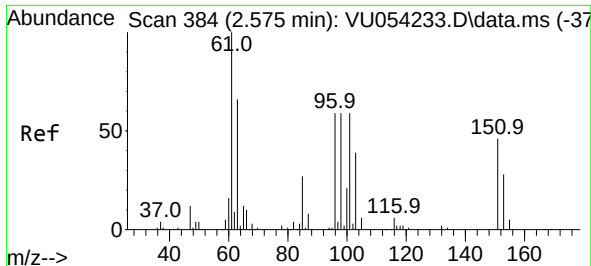
Tgt Ion: 62 Resp: 6969
 Ion Ratio Lower Upper
 62 100
 64 43.4 22.4 41.6#



#8
 Chloroethane
 Concen: 0.216 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.000 min
 Lab File: VU054237.D
 Acq: 22 May 2023 11:08

Tgt Ion: 64 Resp: 1800
 Ion Ratio Lower Upper
 64 100
 66 26.3 21.6 40.0





#12

1,1-Dichloroethene

Concen: 1.097 ug/L

RT: 2.578 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU054237.D

Acq: 22 May 2023 11:08

Instrument :

MSVOA_U

ClientSampleId :

CONY4

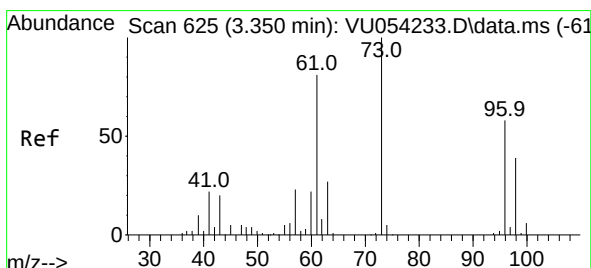
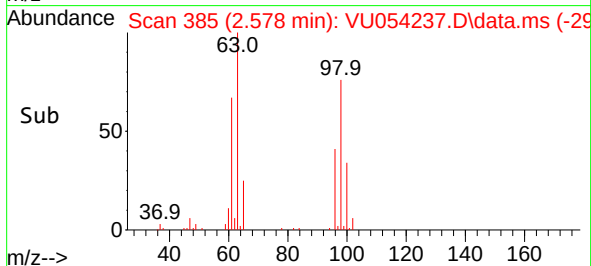
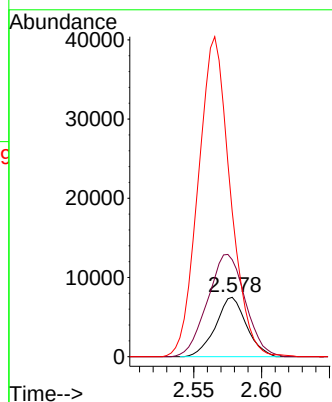
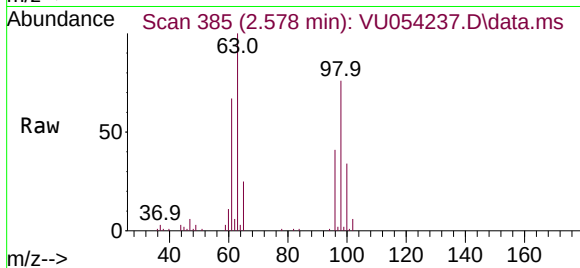
Tgt Ion: 96 Resp: 11854

Ion Ratio Lower Upper

96 100

61 163.3 114.7 212.9

63 244.6 68.6 127.4#



#18

trans-1,2-Dichloroethene

Concen: 0.654 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.004 min

Lab File: VU054237.D

Acq: 22 May 2023 11:08

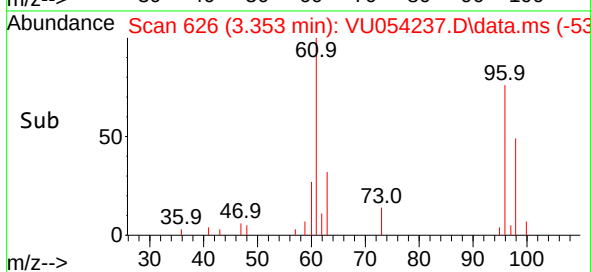
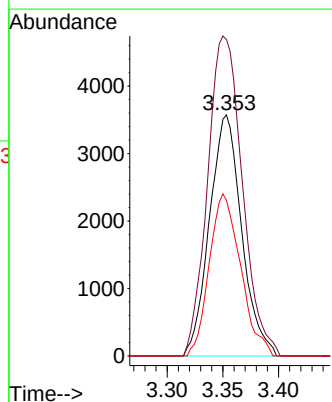
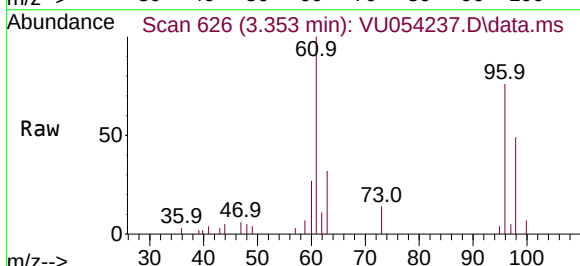
Tgt Ion: 96 Resp: 7188

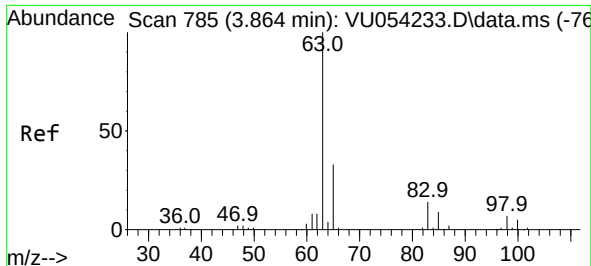
Ion Ratio Lower Upper

96 100

61 131.2 94.1 174.8

98 64.6 45.3 84.1

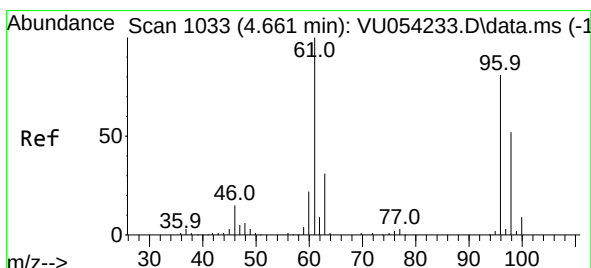
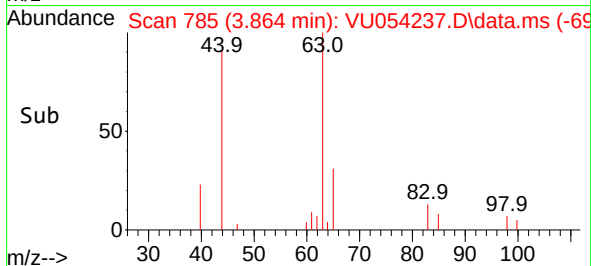
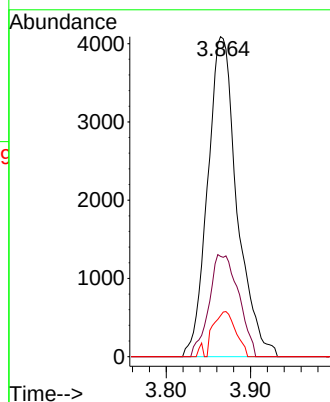
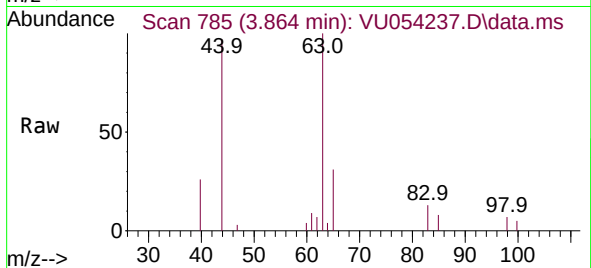




#19
1,1-Dichloroethane
Concen: 0.450 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054237.D
Acq: 22 May 2023 11:08

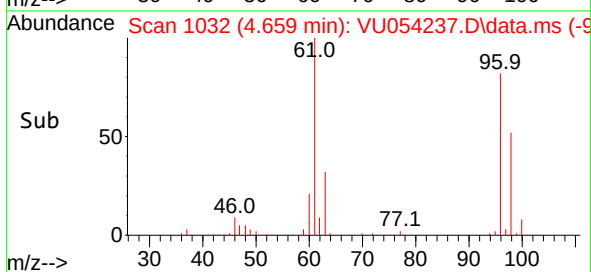
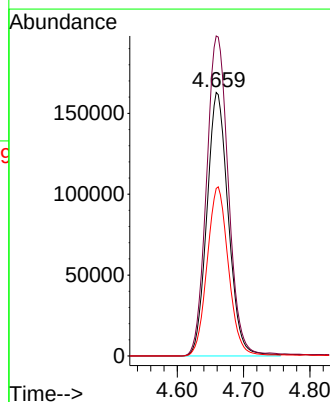
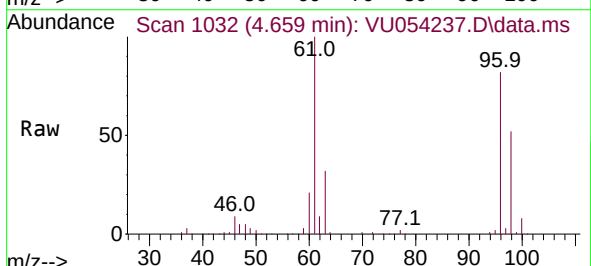
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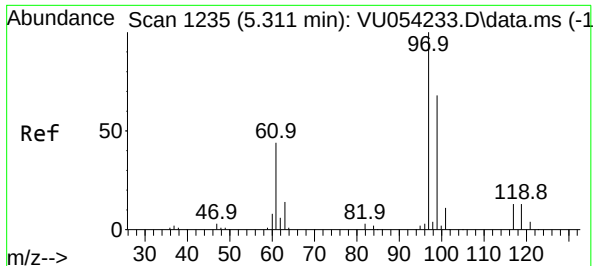
Tgt Ion: 63 Resp: 9910
Ion Ratio Lower Upper
63 100
65 31.3 20.7 38.5
83 12.8 10.1 18.7



#22
cis-1,2-Dichloroethene
Concen: 28.438 ug/L
RT: 4.659 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054237.D
Acq: 22 May 2023 11:08

Tgt Ion: 96 Resp: 365366
Ion Ratio Lower Upper
96 100
61 121.4 85.0 157.8
98 63.5 45.8 85.0

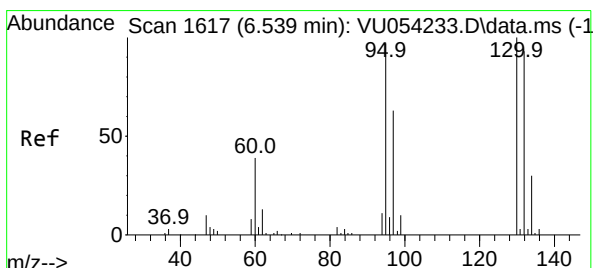
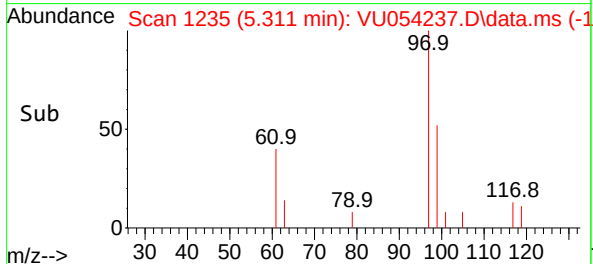
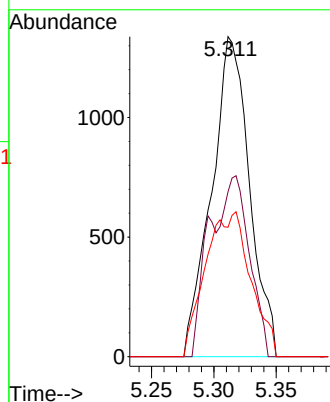
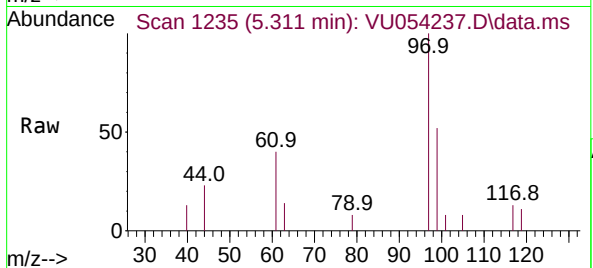




#29
1,1,1-Trichloroethane
Concen: 0.137 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054237.D
Acq: 22 May 2023 11:08

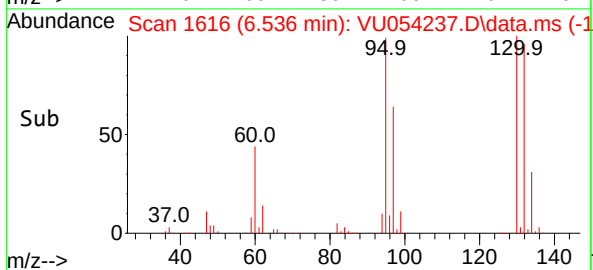
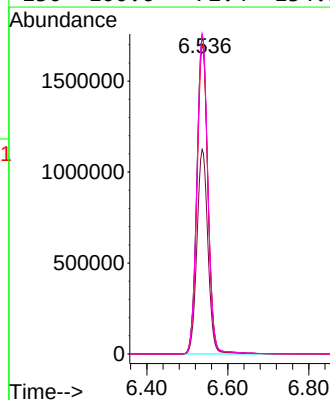
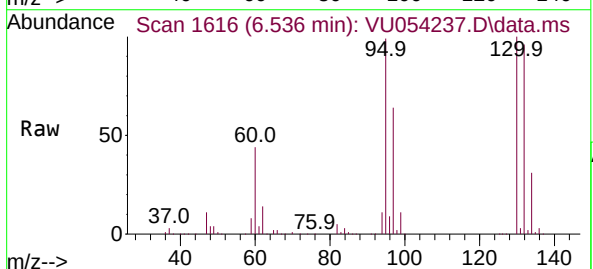
Instrument :
MSVOA_U
ClientSampleId :
CONY4

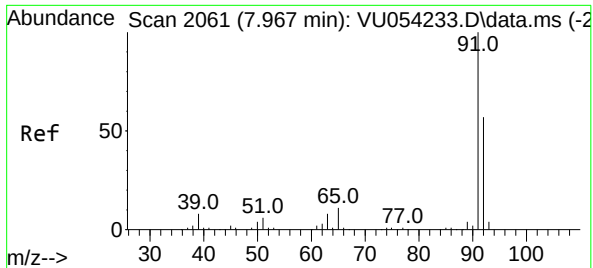
Tgt Ion: 97 Resp: 2837
Ion Ratio Lower Upper
97 100
99 41.3 51.8 77.6#
61 28.9 33.4 50.2#



#34
Trichloroethene
Concen: 260.589 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU054237.D
Acq: 22 May 2023 11:08

Tgt Ion: 95 Resp: 3280983
Ion Ratio Lower Upper
95 100
97 64.3 45.8 85.0
132 97.0 70.1 130.3
130 100.6 72.4 134.5





#42
 Toluene
 Concen: 0.859 ug/L
 RT: 7.967 min Scan# 2061
 Delta R.T. 0.004 min
 Lab File: VU054237.D
 Acq: 22 May 2023 11:08

Instrument :
 MSVOA_U
 ClientSampleId :
 CONY4

Tgt Ion: 91 Resp: 42513
 Ion Ratio Lower Upper
 91 100
 92 54.7 42.1 78.1

