

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054541.D
 Acq On : 15 Jun 2023 22:18
 Operator : MD/SY
 Sample : 03253-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX1

Quant Time: Jun 16 02:43:18 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)

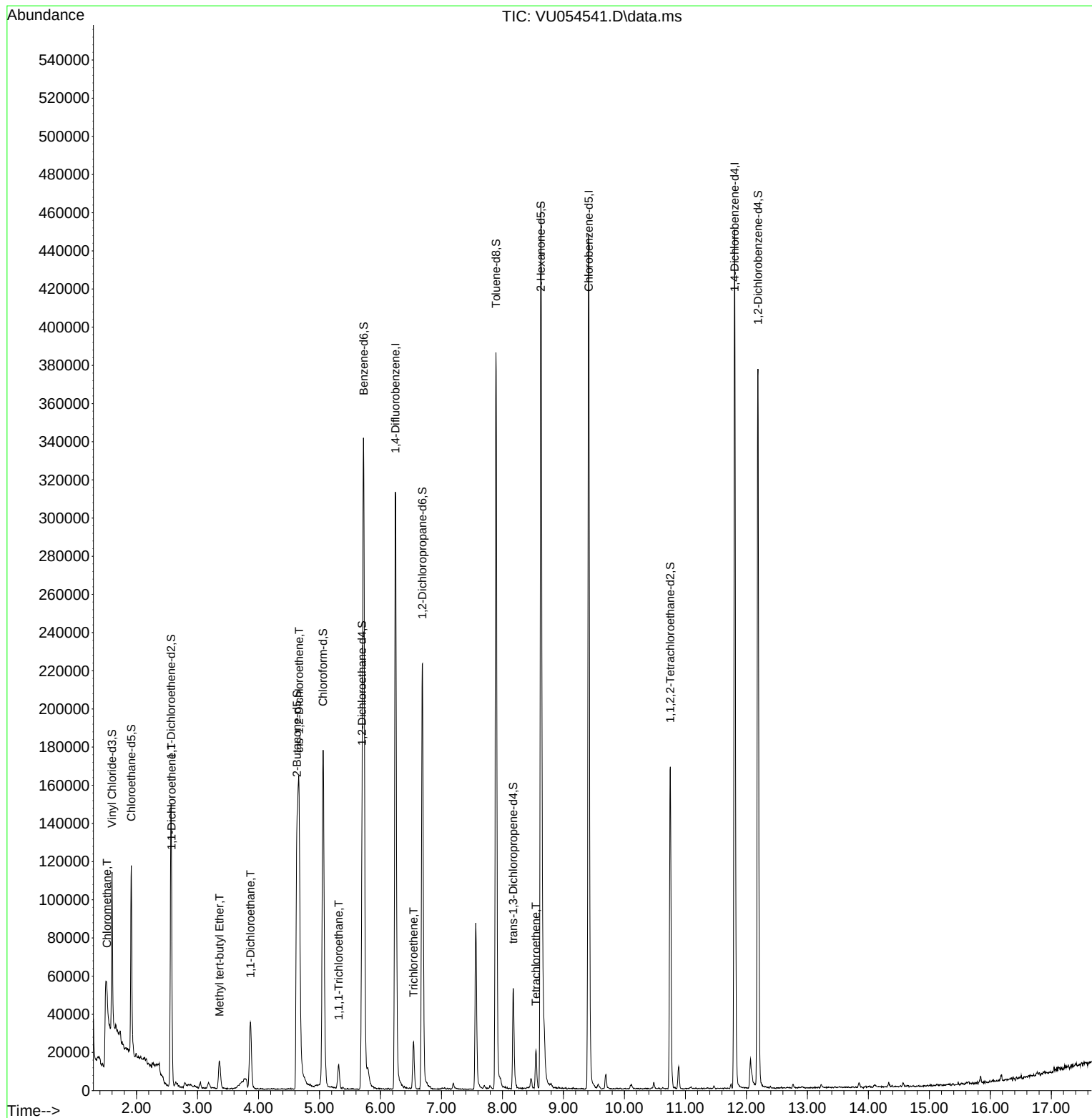
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	262224	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	258355	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123005	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	56588	3.391	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.800%
7) Chloroethane-d5	1.914	69	75447	4.829	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.566	65	27067	3.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.631	46	243438	51.883	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.760%
24) Chloroform-d	5.058	84	168331	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.698	65	85090	5.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.724	84	323752	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.688	67	114279	4.765	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.894	98	264957	4.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	8.177	79	32463	3.892	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.630	63	161341	46.109	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.220%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87459	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	103262	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
3) Chloromethane	1.518	50	3866	0.137	ug/L #	81
12) 1,1-Dichloroethene	2.576	96	4140	0.218	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	12237	0.261	ug/L	98
19) 1,1-Dichloroethane	3.869	63	41252	1.015	ug/L	93
22) cis-1,2-Dichloroethene	4.666	96	58464	2.614	ug/L	95
29) 1,1,1-Trichloroethane	5.315	97	8491	0.242	ug/L	94
34) Trichloroethene	6.544	95	8834	0.360	ug/L #	78
47) Tetrachloroethene	8.550	164	4476	0.238	ug/L	88

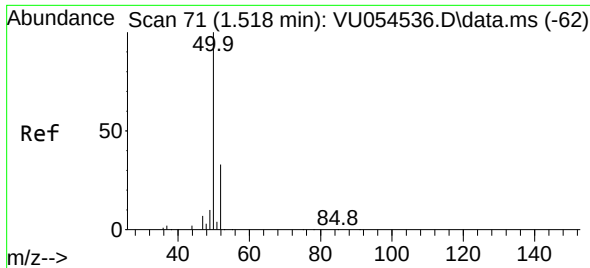
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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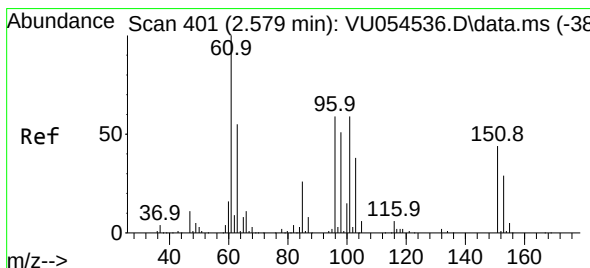
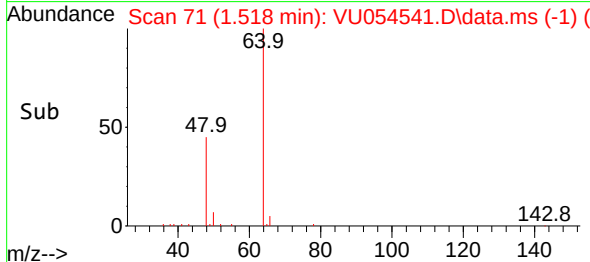
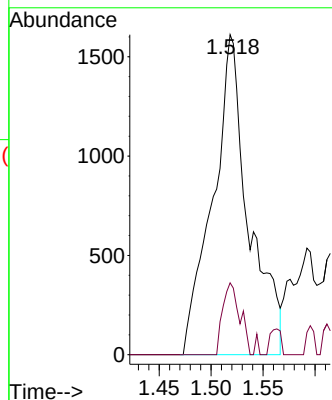
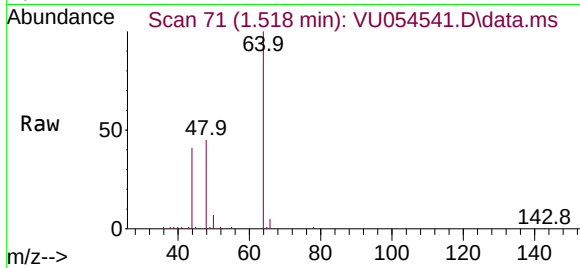




#3
Chloromethane
Concen: 0.137 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

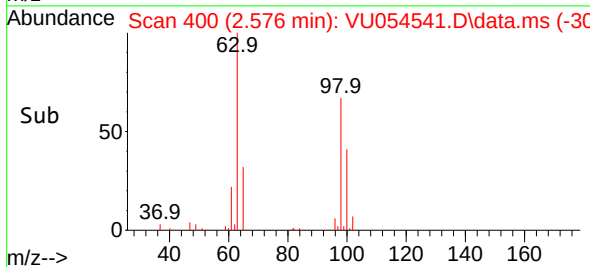
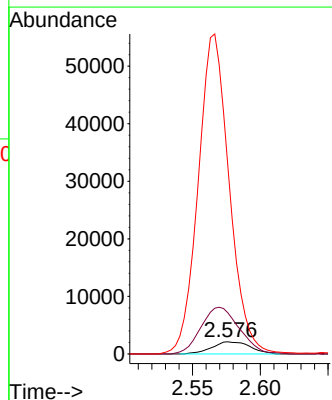
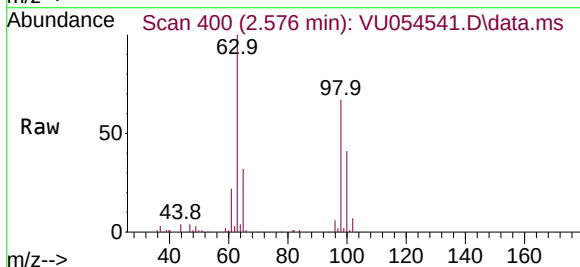
Instrument :
MSVOA_U
ClientSampleId :
EXYX1

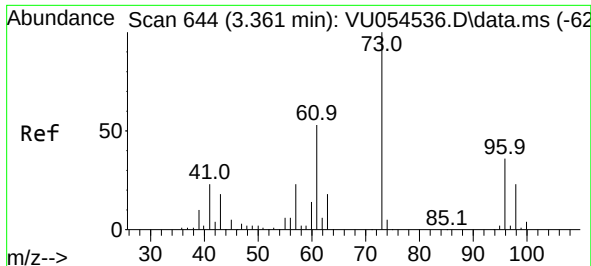
Tgt Ion: 50 Resp: 3866
Ion Ratio Lower Upper
50 100
52 22.5 23.4 43.4#



#12
1,1-Dichloroethene
Concen: 0.218 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054541.D
Acq: 15 Jun 2023 22:18

Tgt Ion: 96 Resp: 4140
Ion Ratio Lower Upper
96 100
61 340.2 119.9 222.7#
63 1549.0 64.3 119.3#





#17

Methyl tert-butyl Ether

Concen: 0.261 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU054541.D

Acq: 15 Jun 2023 22:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX1

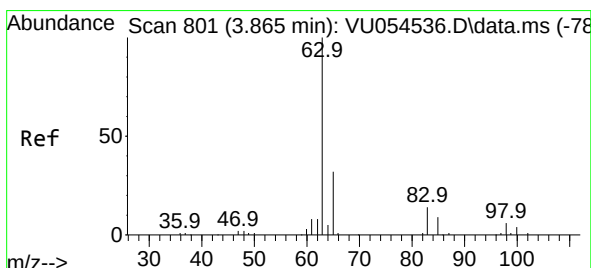
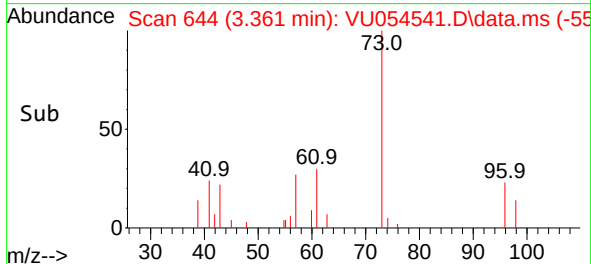
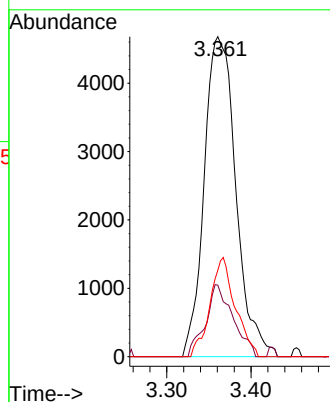
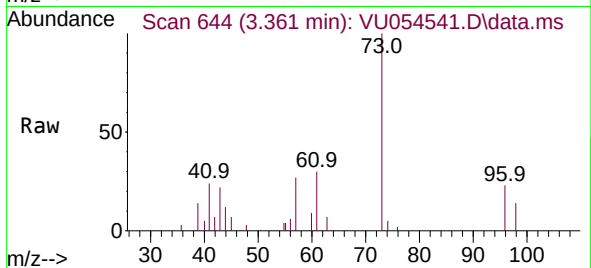
Tgt Ion: 73 Resp: 12237

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

57 24.7 18.6 28.0



#19

1,1-Dichloroethane

Concen: 1.015 ug/L

RT: 3.869 min Scan# 802

Delta R.T. 0.003 min

Lab File: VU054541.D

Acq: 15 Jun 2023 22:18

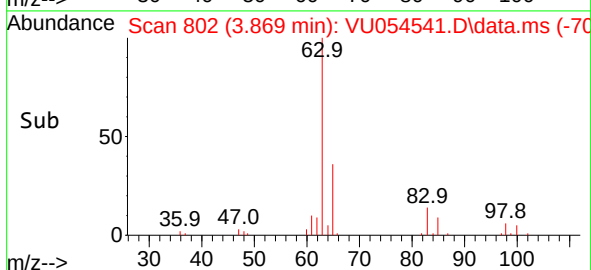
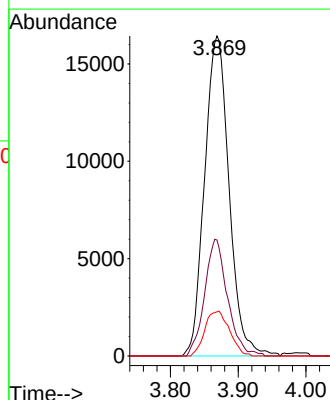
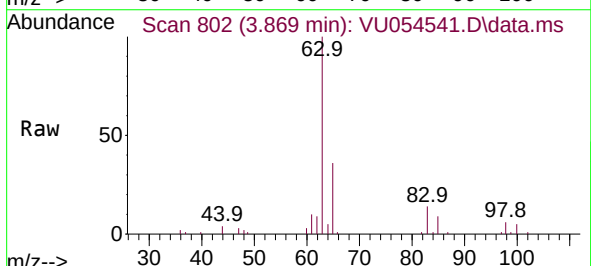
Tgt Ion: 63 Resp: 41252

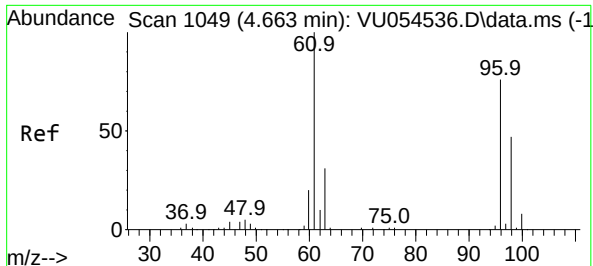
Ion Ratio Lower Upper

63 100

65 36.9 22.2 41.2

83 13.8 9.0 16.6

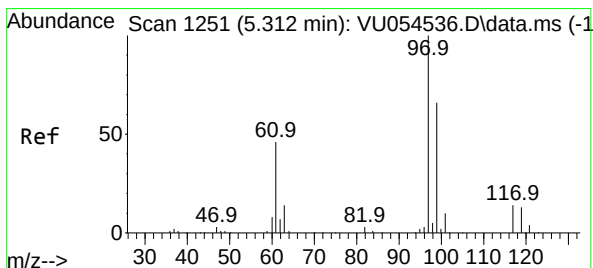
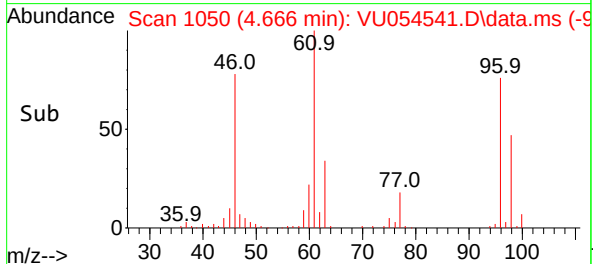
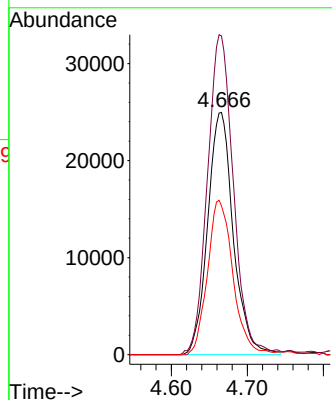
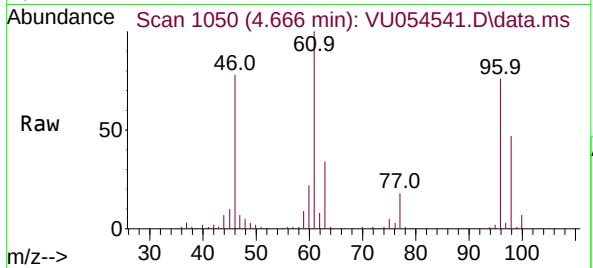




#22
 cis-1,2-Dichloroethene
 Concen: 2.614 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU054541.D
 Acq: 15 Jun 2023 22:18

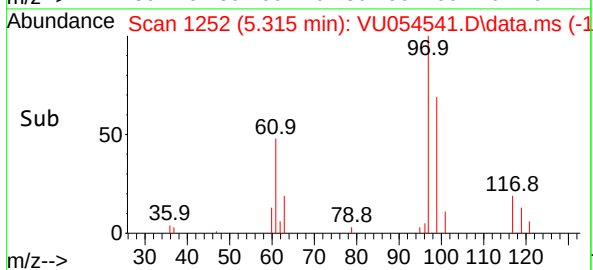
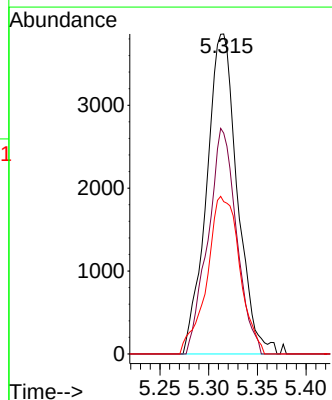
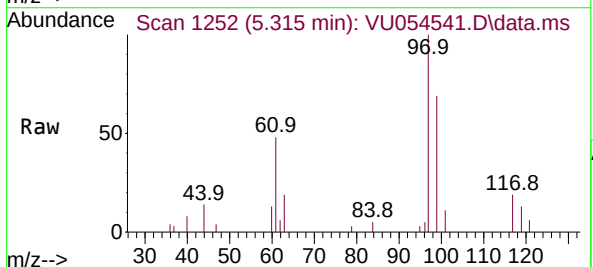
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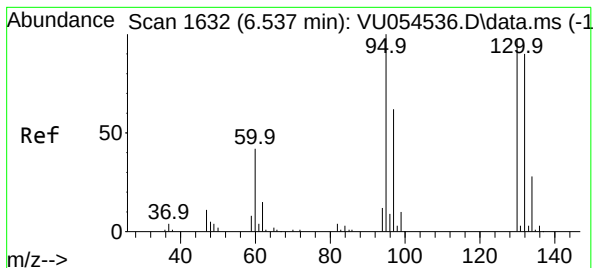
Tgt Ion: 96 Resp: 58464
 Ion Ratio Lower Upper
 96 100
 61 131.6 96.5 179.1
 98 61.4 44.9 83.3



#29
 1,1,1-Trichloroethane
 Concen: 0.242 ug/L
 RT: 5.315 min Scan# 1252
 Delta R.T. 0.003 min
 Lab File: VU054541.D
 Acq: 15 Jun 2023 22:18

Tgt Ion: 97 Resp: 8491
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.8 76.2
 61 52.3 36.1 54.1





#34

Trichloroethene

Concen: 0.360 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054541.D

Acq: 15 Jun 2023 22:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX1

Tgt Ion: 95 Resp: 8834

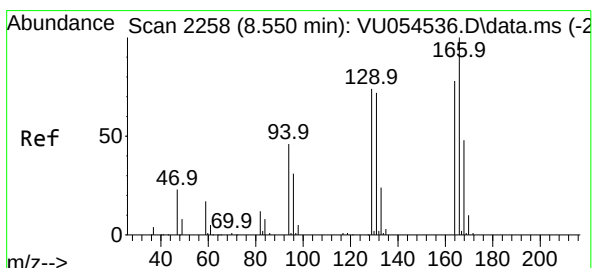
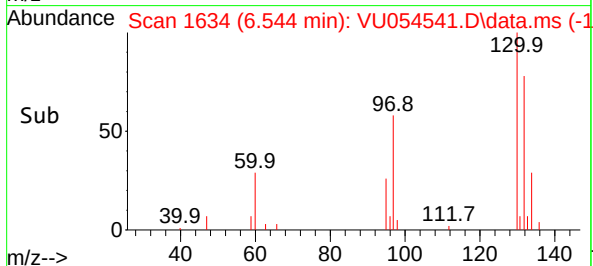
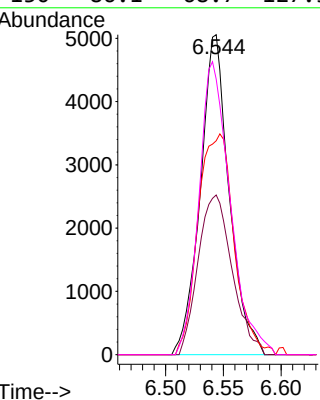
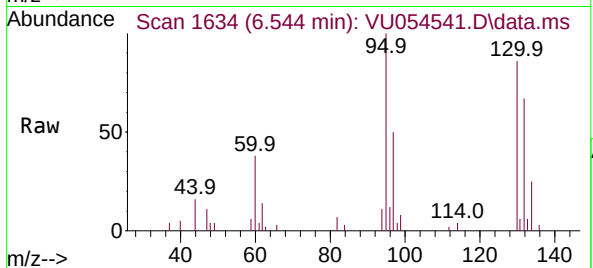
Ion Ratio Lower Upper

95 100

97 49.9 46.8 87.0

132 66.8 68.4 127.0#

130 86.1 68.7 127.5



#47

Tetrachloroethene

Concen: 0.238 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU054541.D

Acq: 15 Jun 2023 22:18

Tgt Ion:164 Resp: 4476

Ion Ratio Lower Upper

164 100

129 102.9 67.7 125.7

131 107.4 64.6 120.0

166 142.7 88.1 163.7

