

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032224\
 Data File : VU058203.D
 Acq On : 22 Mar 2024 19:56
 Operator : MD/SY
 Sample : P1841-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK3

Quant Time: Mar 22 23:48:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 22 23:43:24 2024
 Response via : Initial Calibration

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

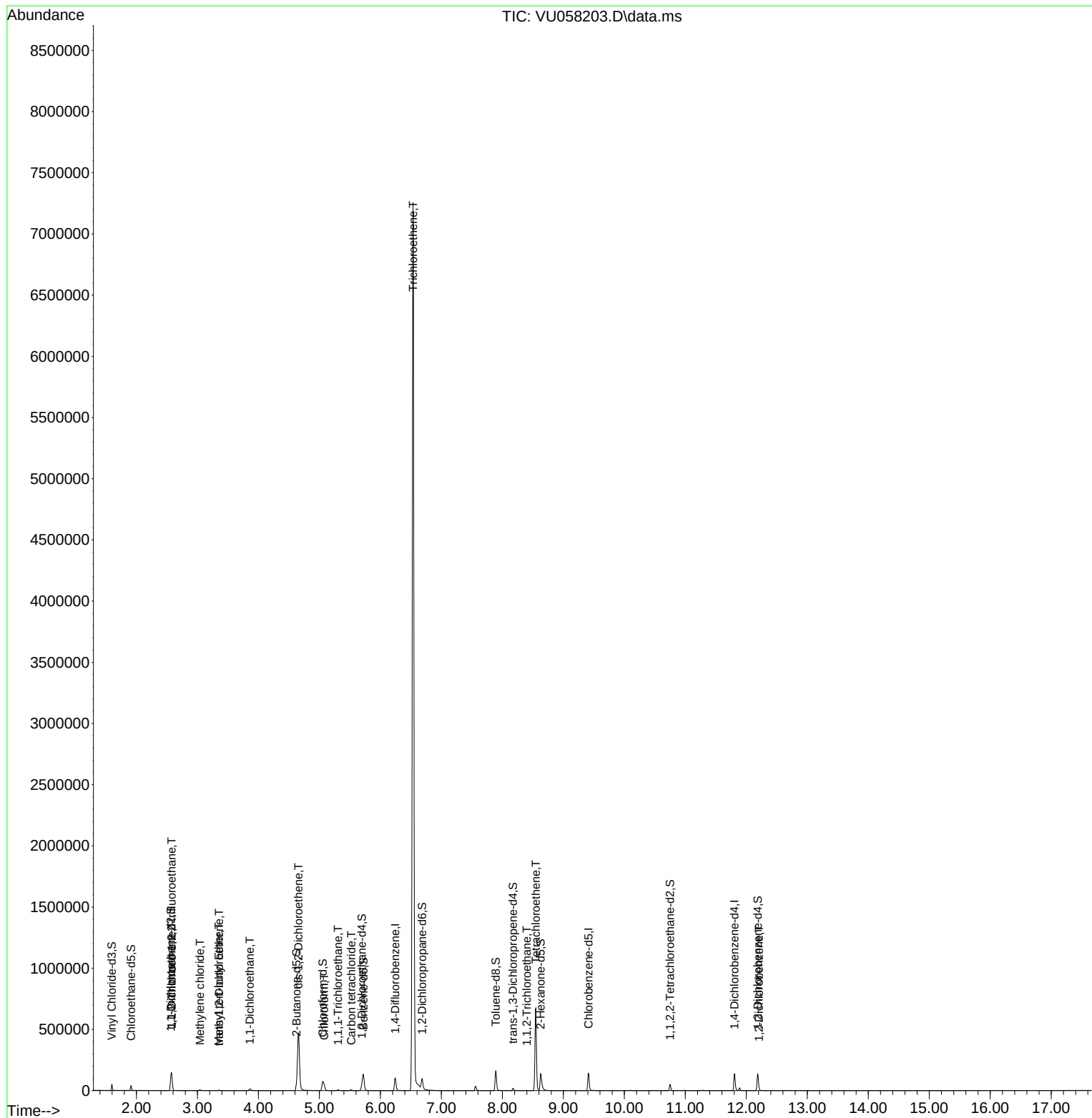
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	84237	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	82093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	37215	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	32461	4.560	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.911	69	27835	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.563	65	13740	4.649	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	4.624	46	68387	54.076	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.160%
24) Chloroform-d	5.055	84	62251	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.695	65	30778	5.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.721	84	127662	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.682	67	39647	5.045	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.891	98	108656	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.174	79	12231	4.857	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.628	63	52691	51.672	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	25389	4.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	35642	5.143	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	8397	1.667	ug/L	93
12) 1,1-Dichloroethene	2.576	96	29245	6.925	ug/L	85
16) Methylene chloride	3.039	84	3381	0.565	ug/L	96
17) Methyl tert-butyl Ether	3.351	73	1987	0.175	ug/L	96
18) trans-1,2-Dichloroethene	3.354	96	1023	0.232	ug/L	86
19) 1,1-Dichloroethane	3.859	63	17115	1.726	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	239404	43.898	ug/L	97
25) Chloroform	5.078	83	24914	2.396	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	5009	0.590	ug/L	93
31) Carbon tetrachloride	5.522	117	4783	0.662	ug/L	98
34) Trichloroethene	6.534	95	2513060	447.378	ug/L	97
45) 1,1,2-Trichloroethane	8.399	97	914	0.241	ug/L	80
47) Tetrachloroethene	8.547	164	143671	38.185	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	2299	0.239	ug/L	99

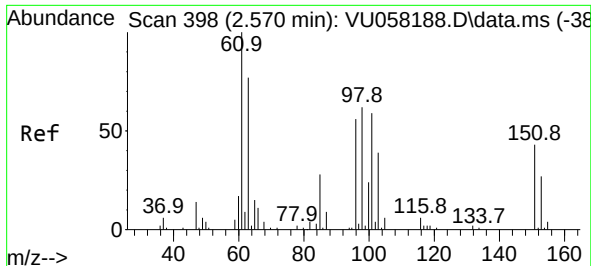
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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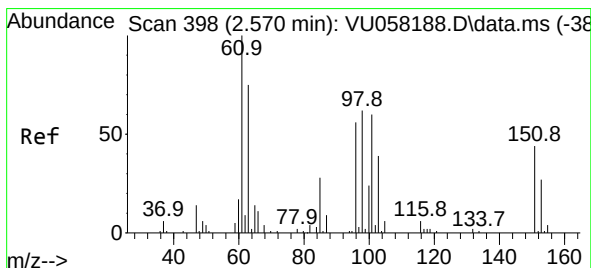
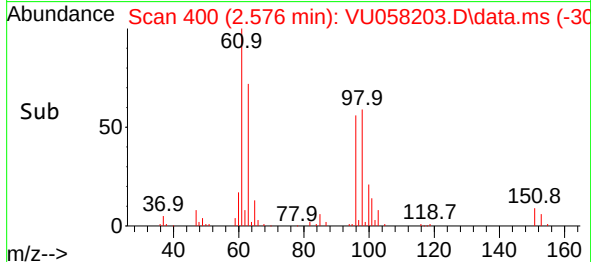
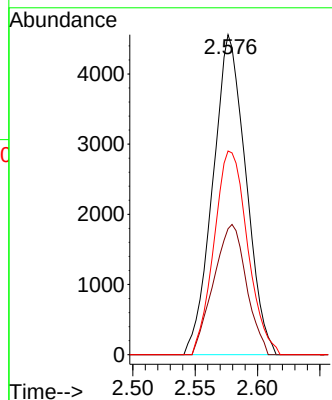
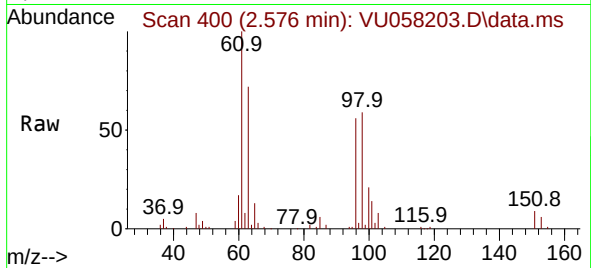




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.667 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.007 min
 Lab File: VU058203.D
 Acq: 22 Mar 2024 19:56

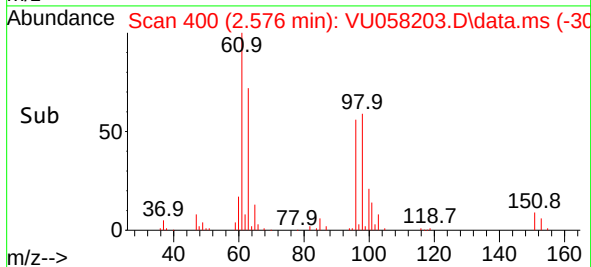
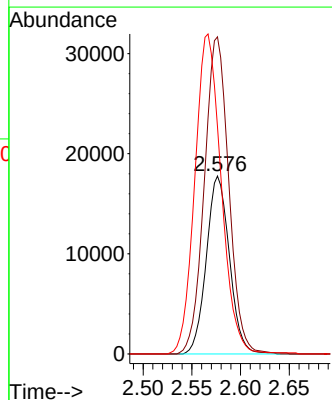
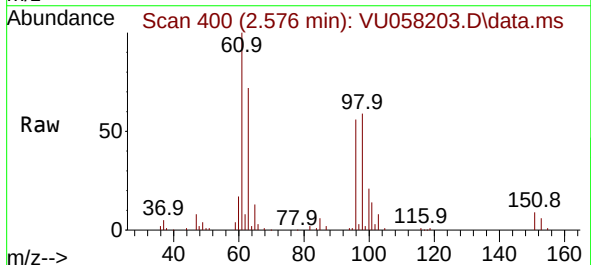
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK3

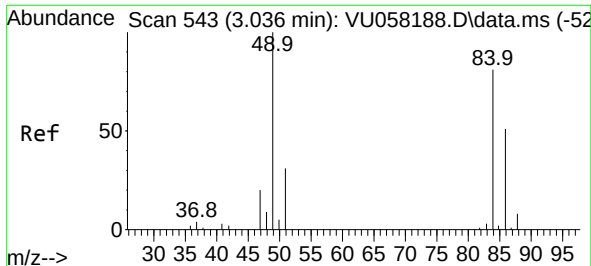
Tgt Ion:101 Resp: 8397
 Ion Ratio Lower Upper
 101 100
 85 40.3 37.9 56.9
 151 64.7 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 6.925 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.007 min
 Lab File: VU058203.D
 Acq: 22 Mar 2024 19:56

Tgt Ion: 96 Resp: 29245
 Ion Ratio Lower Upper
 96 100
 61 178.3 128.1 237.9
 63 127.8 116.8 217.0

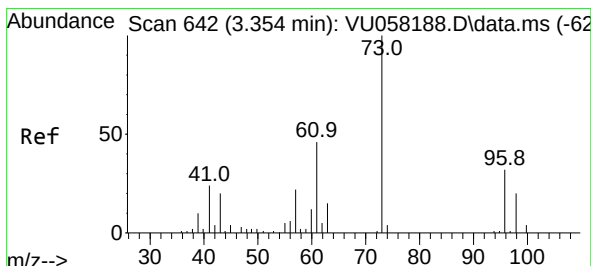
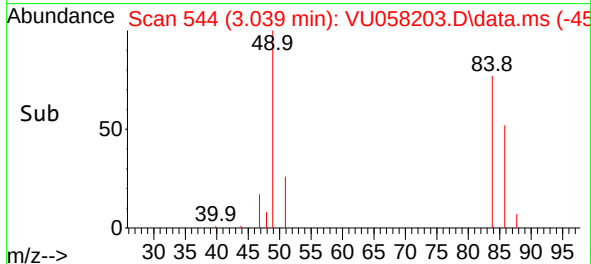
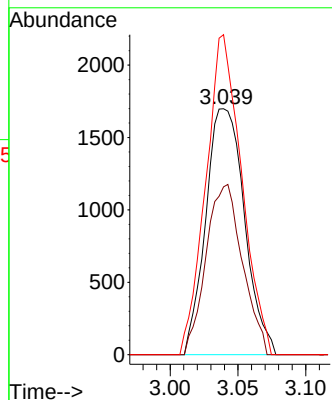
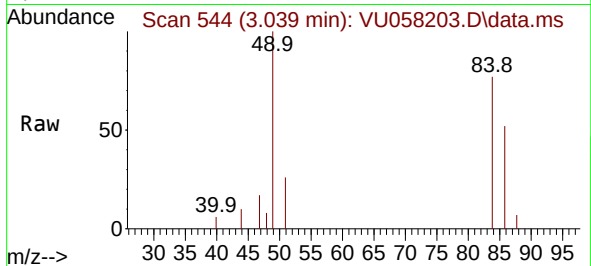




#16
Methylene chloride
Concen: 0.565 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

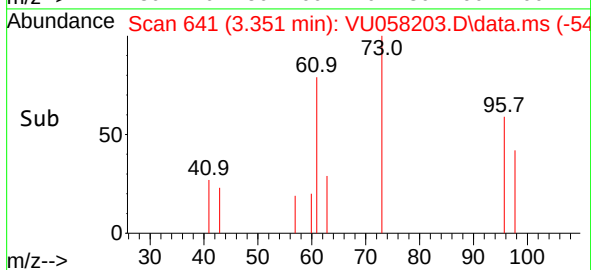
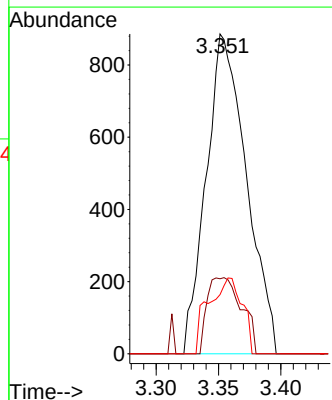
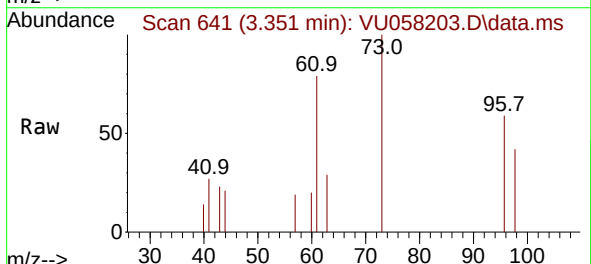
Instrument :
MSVOA_U
ClientSampleId :
C0AK3

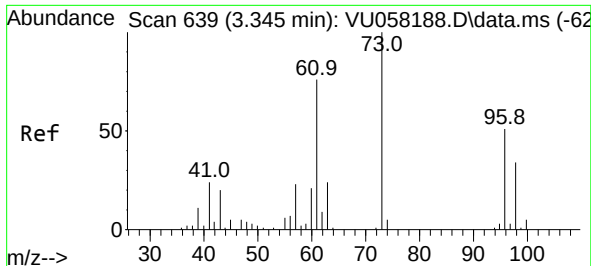
Tgt Ion: 84 Resp: 3381
Ion Ratio Lower Upper
84 100
86 68.2 45.6 84.6
49 130.1 88.3 163.9



#17
Methyl tert-butyl Ether
Concen: 0.175 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

Tgt Ion: 73 Resp: 1987
Ion Ratio Lower Upper
73 100
43 20.4 15.5 23.3
57 19.9 18.0 27.0

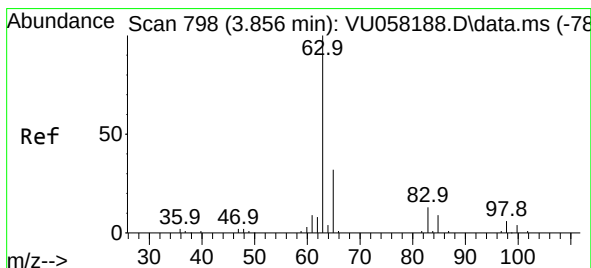
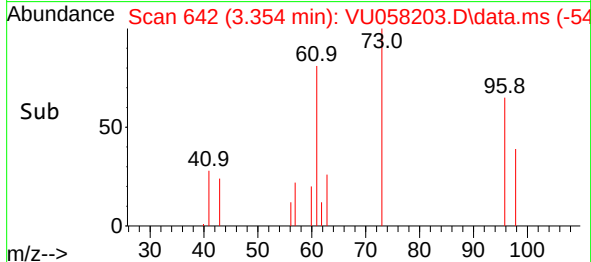
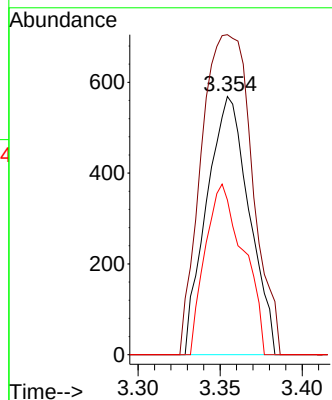
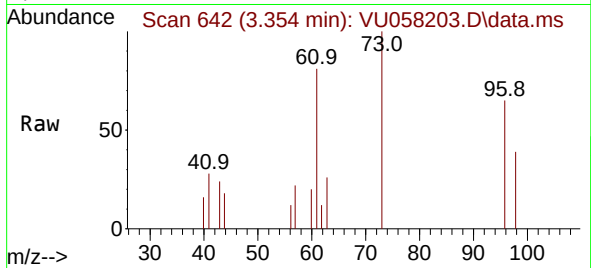




#18
trans-1,2-Dichloroethene
Concen: 0.232 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.010 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

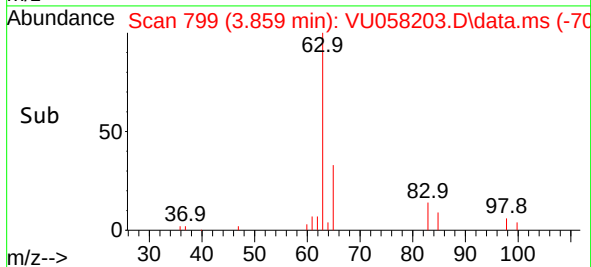
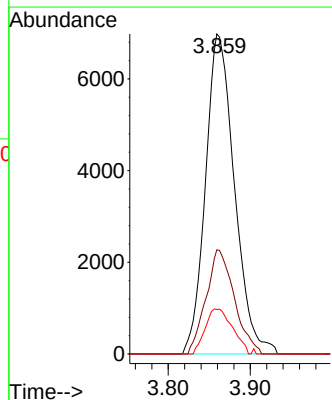
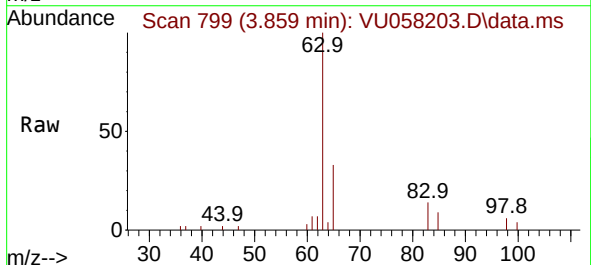
Instrument :
MSVOA_U
ClientSampleId :
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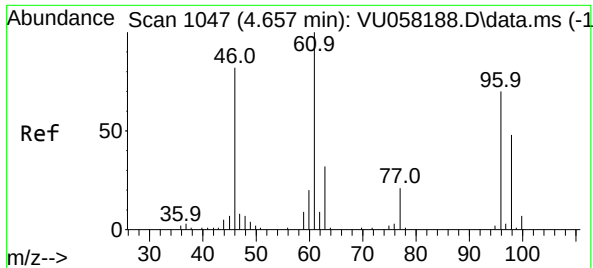
Tgt Ion: 96 Resp: 1023
Ion Ratio Lower Upper
96 100
61 123.9 102.5 190.3
98 59.9 44.0 81.8



#19
1,1-Dichloroethane
Concen: 1.726 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

Tgt Ion: 63 Resp: 17115
Ion Ratio Lower Upper
63 100
65 32.6 22.3 41.5
83 13.9 10.0 18.6

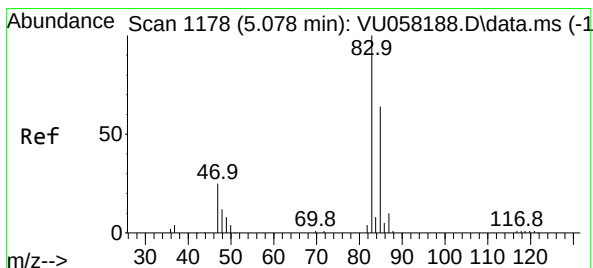
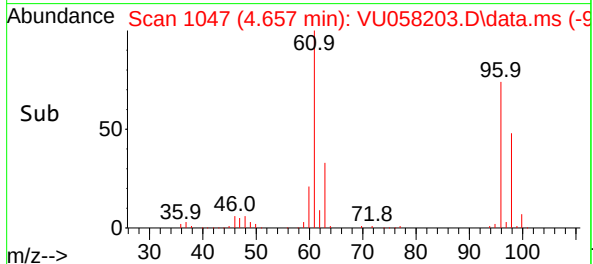
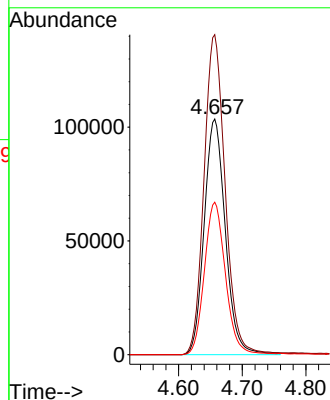
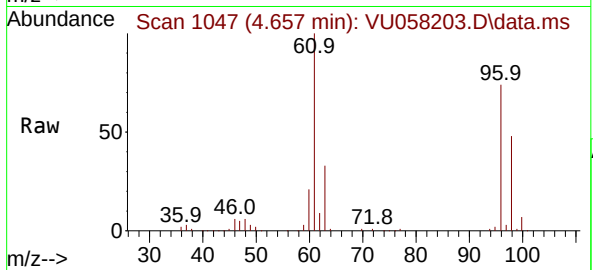




#22
cis-1,2-Dichloroethene
Concen: 43.898 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

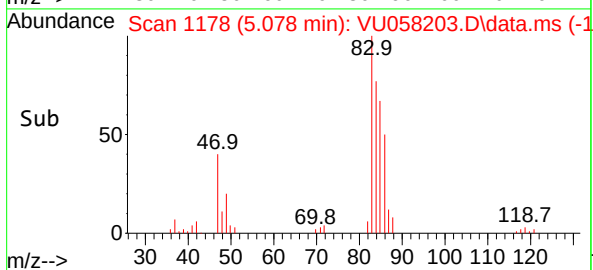
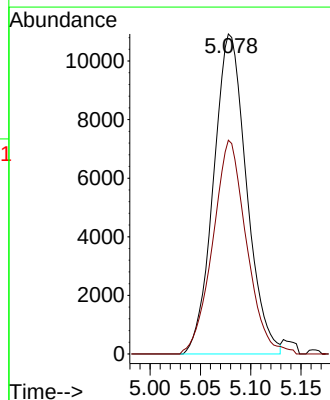
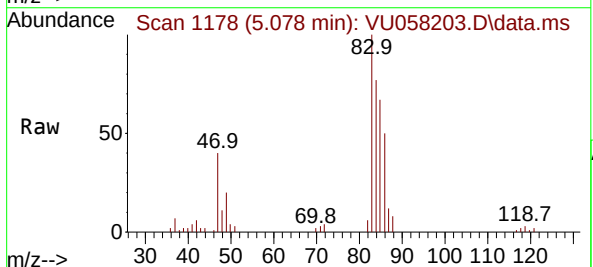
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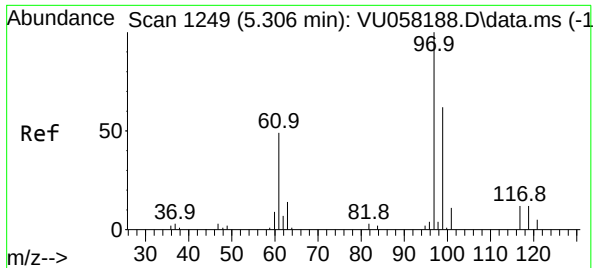
Tgt Ion: 96 Resp: 239404
Ion Ratio Lower Upper
96 100
61 135.7 92.8 172.4
98 64.7 43.2 80.2



#25
Chloroform
Concen: 2.396 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

Tgt Ion: 83 Resp: 24914
Ion Ratio Lower Upper
83 100
85 66.8 47.9 88.9

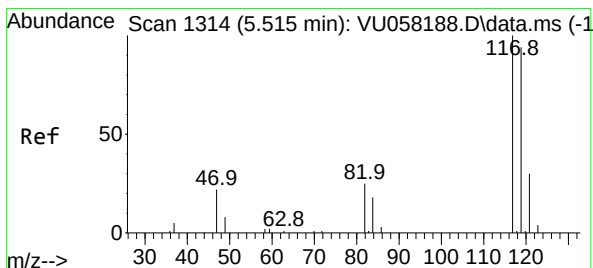
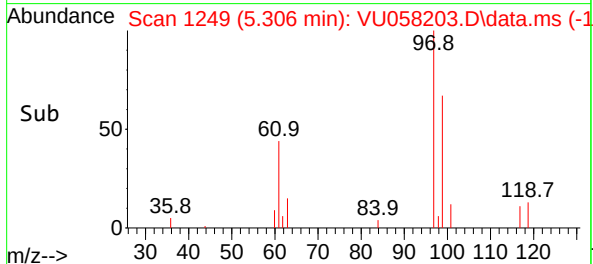
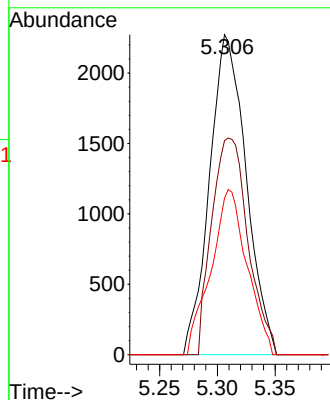
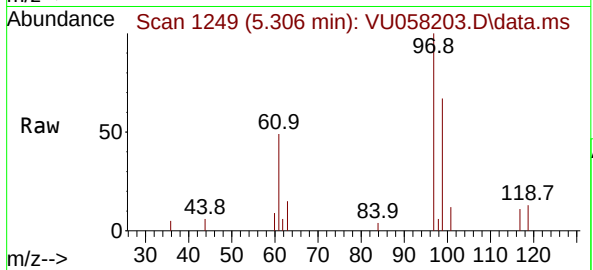




#29
1,1,1-Trichloroethane
Concen: 0.590 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

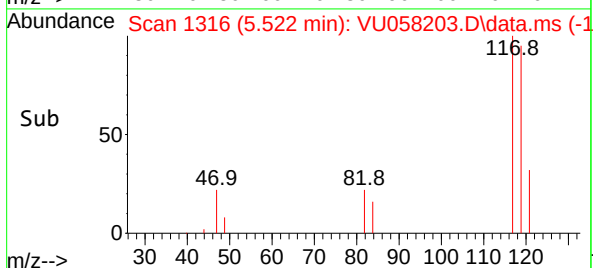
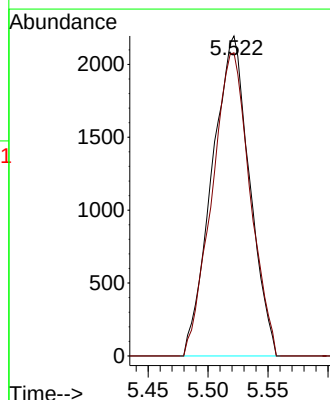
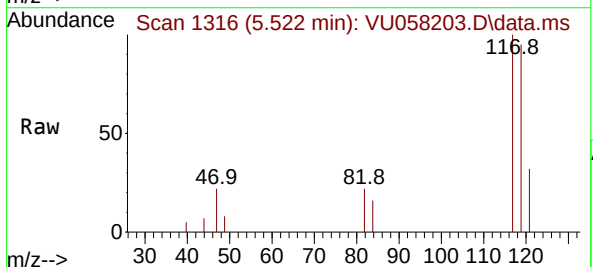
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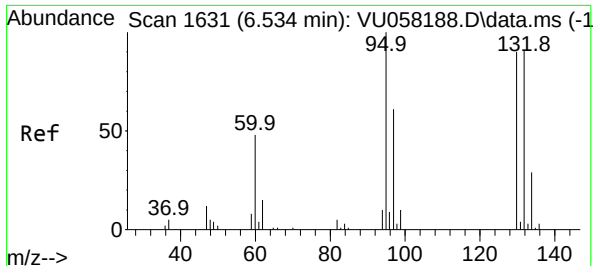
Tgt Ion: 97 Resp: 5009
Ion Ratio Lower Upper
97 100
99 67.3 50.5 75.7
61 51.0 36.3 54.5



#31
Carbon tetrachloride
Concen: 0.662 ug/L
RT: 5.522 min Scan# 1316
Delta R.T. 0.007 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

Tgt Ion: 117 Resp: 4783
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1





#34

Trichloroethene

Concen: 447.378 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

C0AK3

Tgt Ion: 95 Resp: 2513060

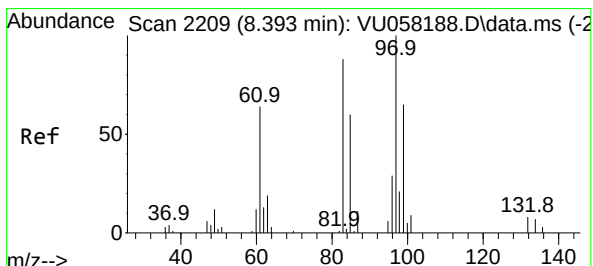
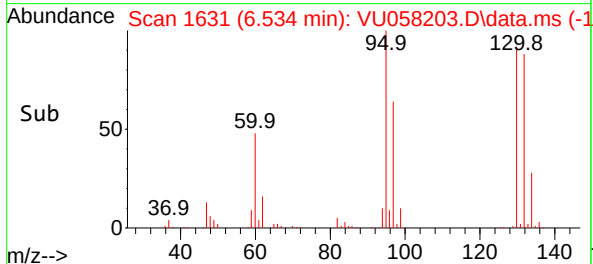
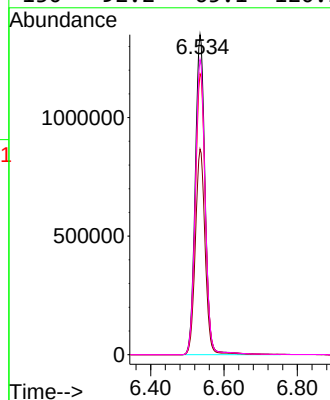
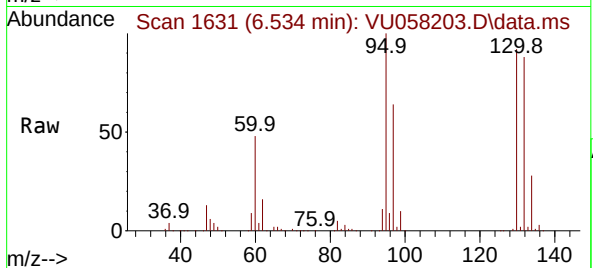
Ion Ratio Lower Upper

95 100

97 64.3 47.7 88.7

132 87.8 63.6 118.2

130 92.2 65.1 120.9



#45

1,1,2-Trichloroethane

Concen: 0.241 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.007 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Tgt Ion: 97 Resp: 914

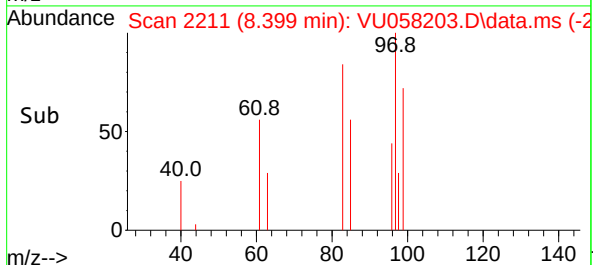
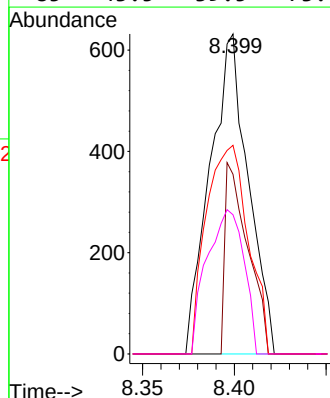
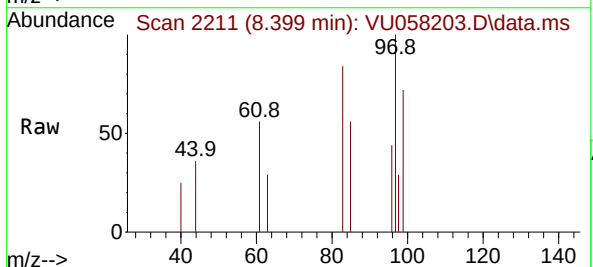
Ion Ratio Lower Upper

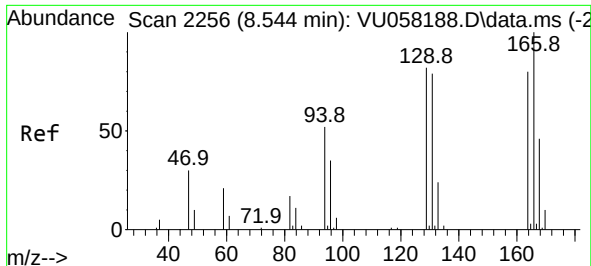
97 100

99 56.2 44.5 82.7

83 65.2 64.1 119.1

85 43.5 39.5 73.4





#47

Tetrachloroethene

Concen: 38.185 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:164 Resp: 143671

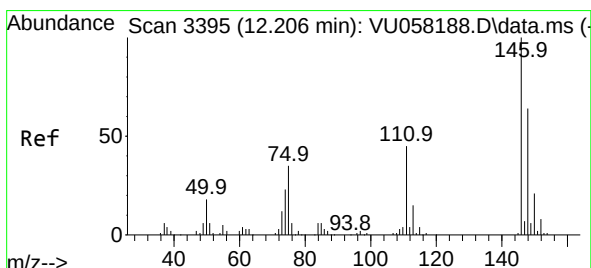
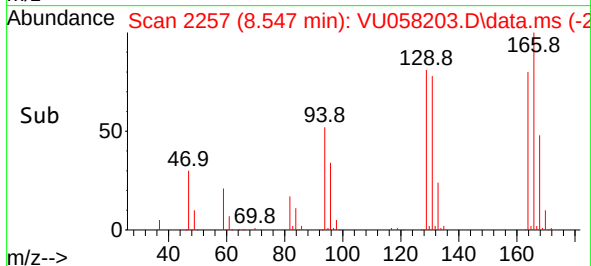
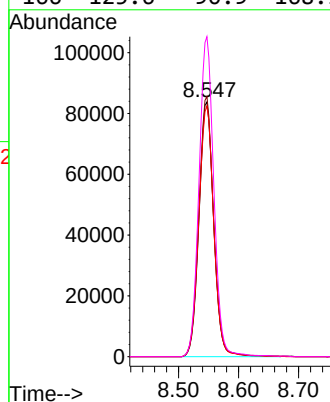
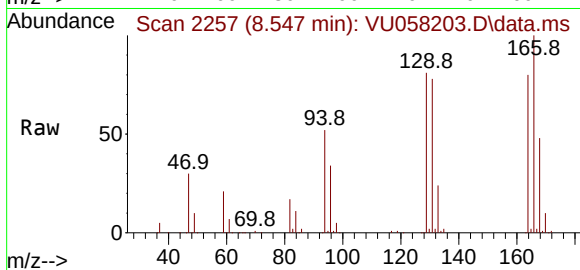
Ion Ratio Lower Upper

164 100

129 102.1 71.3 132.3

131 98.4 70.8 131.4

166 125.6 90.9 168.9



#67

1,2-Dichlorobenzene

Concen: 0.239 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Tgt Ion:146 Resp: 2299

Ion Ratio Lower Upper

146 100

111 44.6 35.9 53.9

148 67.2 52.4 78.6

