

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 :

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	
5) Vinyl chloride	1.602	62	1310	0.271	ug/L #	56
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
35) Methylcyclohexane	6.682	83	9343	1.193	ug/L #	1
37) 1,2-Dichloropropane	6.682	63	4413	0.733	ug/L #	90
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
49) Dibromochloromethane	8.547	129	144862	34.896	ug/L #	10
61) 1,2,3-Trichloropropane	11.804	75	5353	1.718	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.888	105	12470	0.665	ug/L	95

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QLast Update : Fri Mar 22 23:43:24 2024
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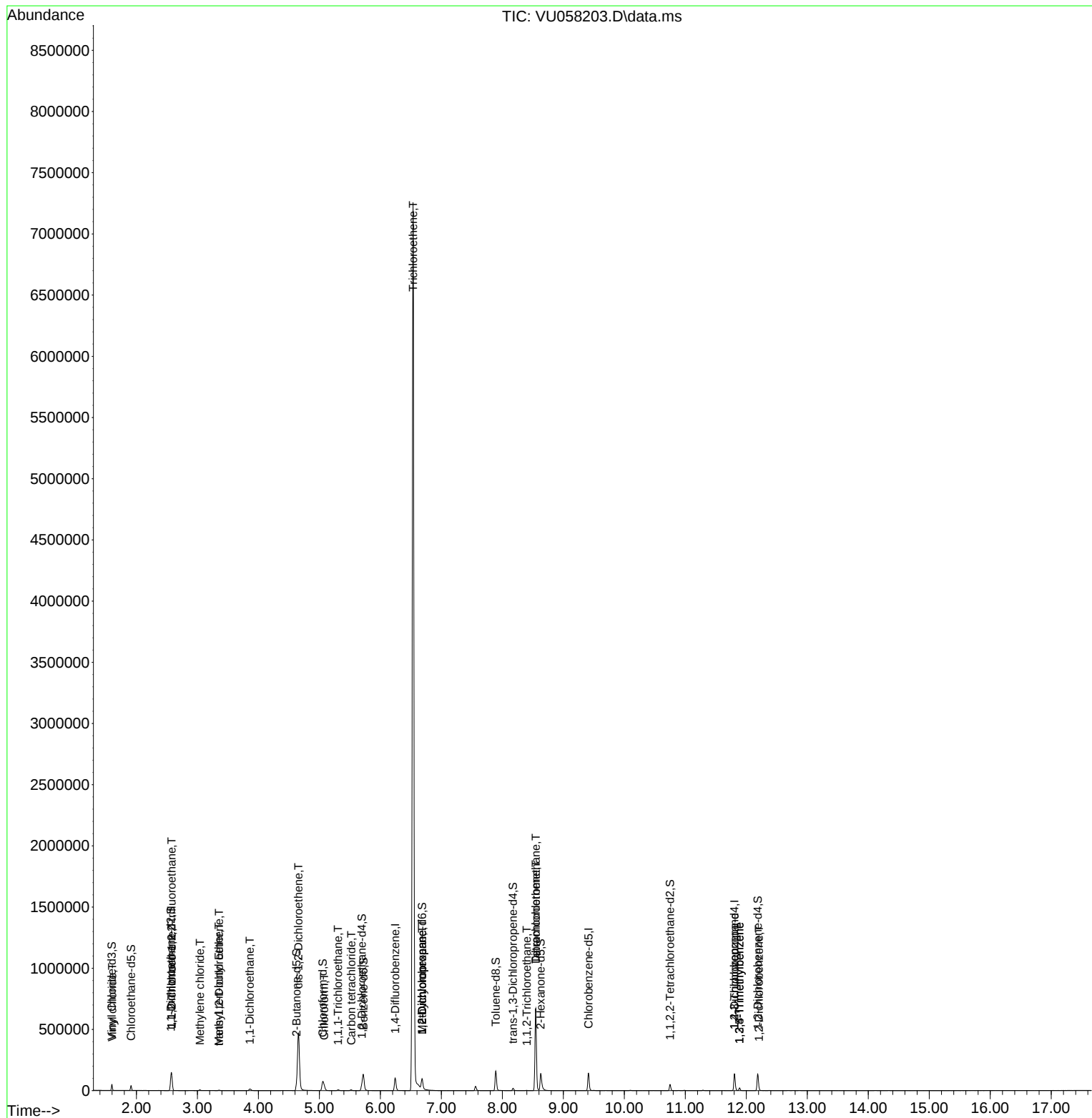
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.888	105	12470	0.669	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	2299	0.239	ug/L	99

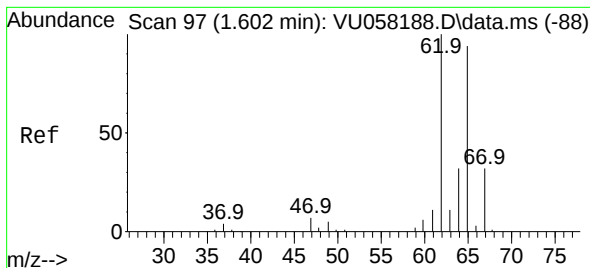
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.271 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

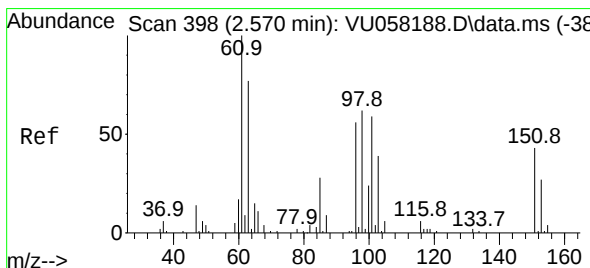
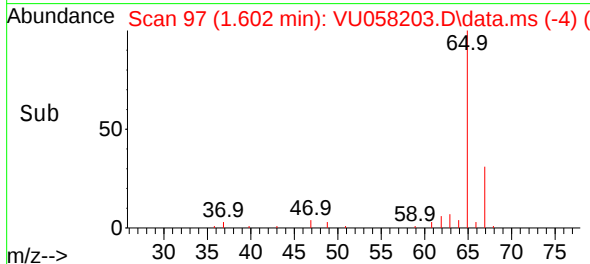
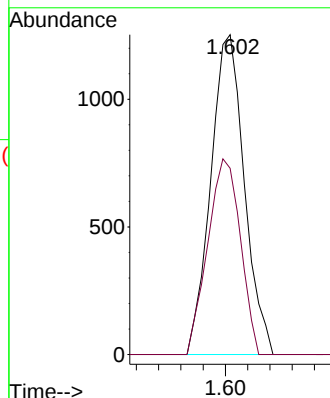
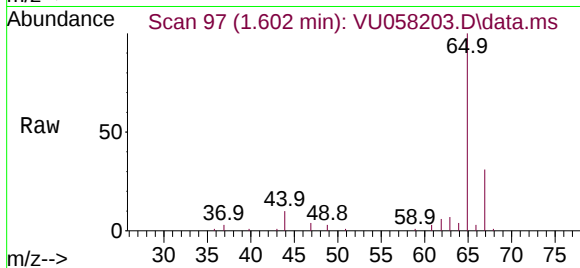
ClientSampleId :

Tgt Ion: 62 Resp: 1310

Ion Ratio Lower Upper

62 100

64 58.3 23.4 43.6#



#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

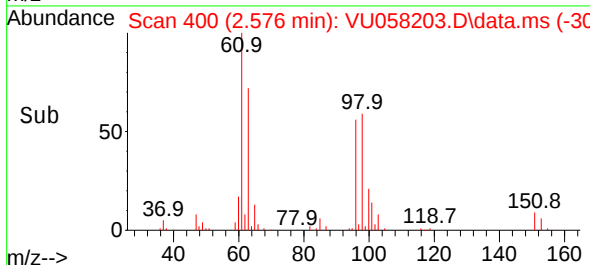
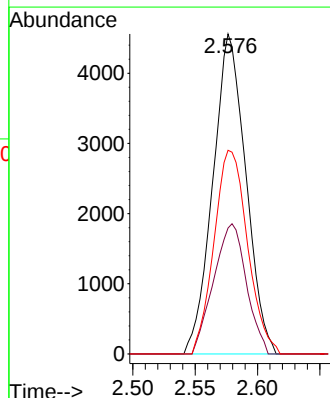
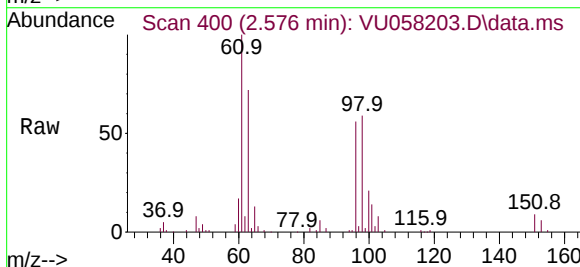
Tgt Ion:101 Resp: 8397

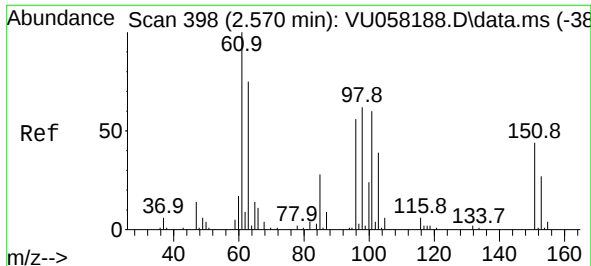
Ion Ratio Lower Upper

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# 40

Delta R.T. 0.007 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

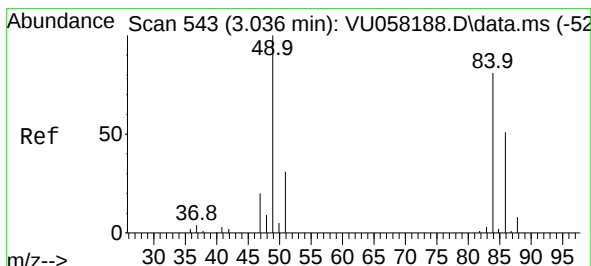
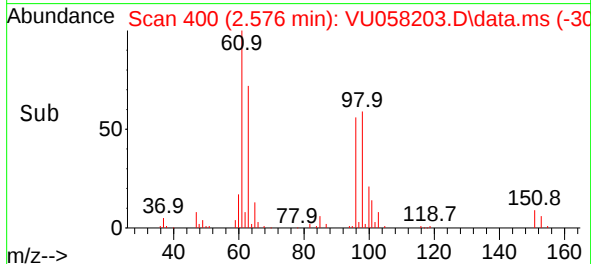
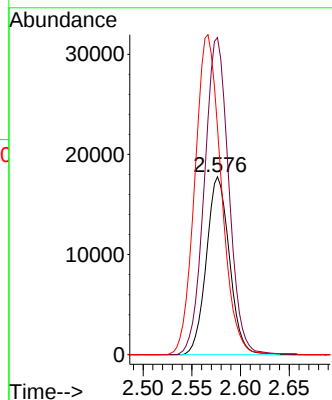
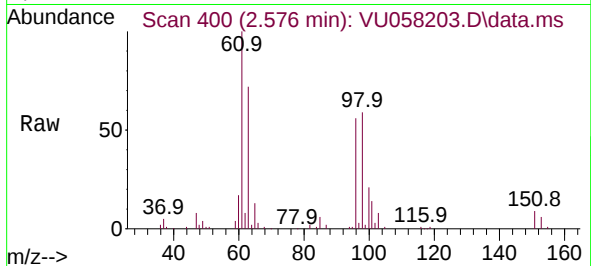
Tgt Ion: 96 Resp: 29245

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# 544

Delta R.T. 0.003 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

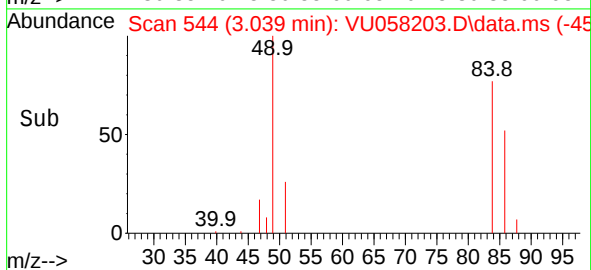
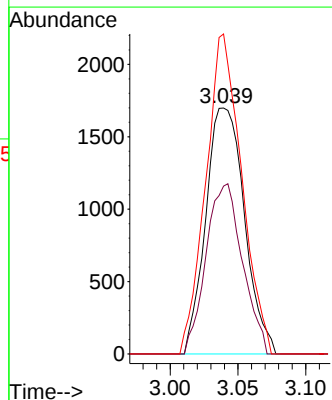
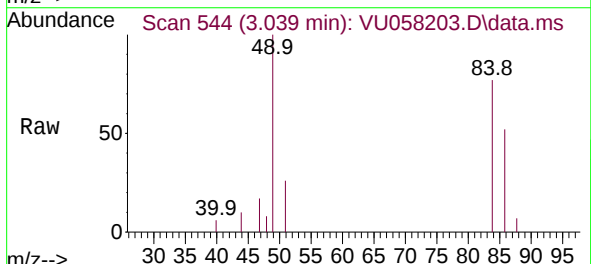
Tgt Ion: 84 Resp: 3381

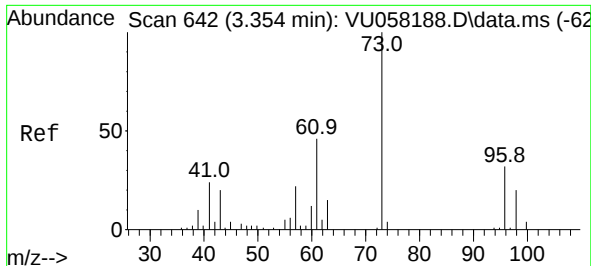
Ion Ratio Lower Upper

84 100

86 68.2 45.6 84.6

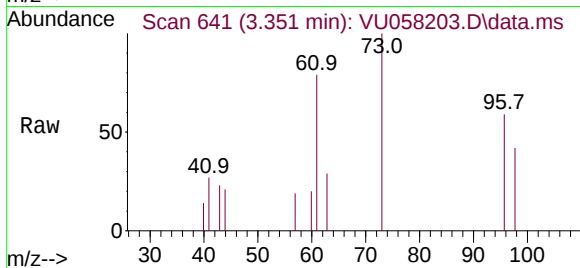
49 130.1 88.3 163.9



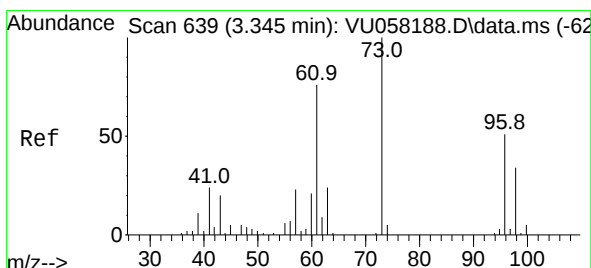
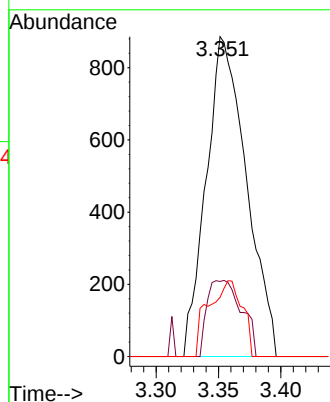
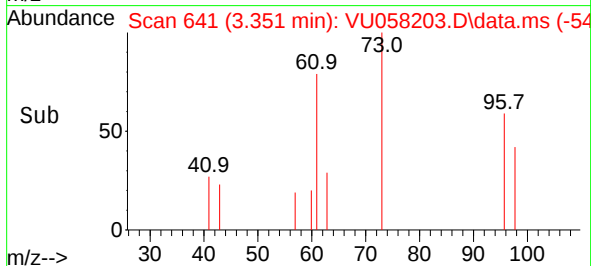


#17
Methyl tert-butyl Ether
Concen: 0.175 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

Instrument :
MSVOA_U
ClientSampleId :

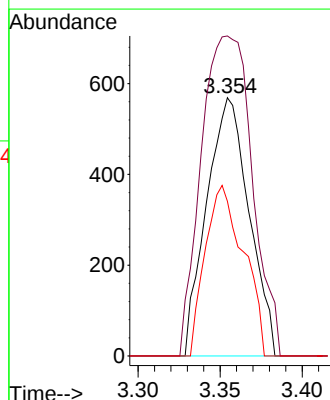
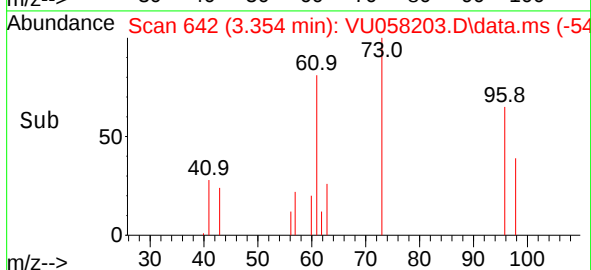
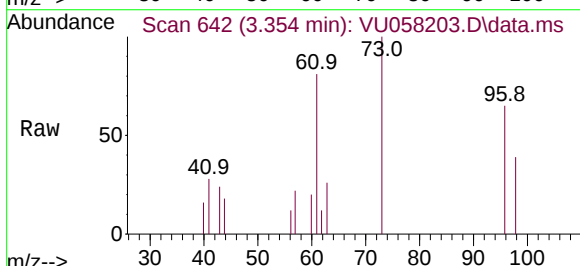


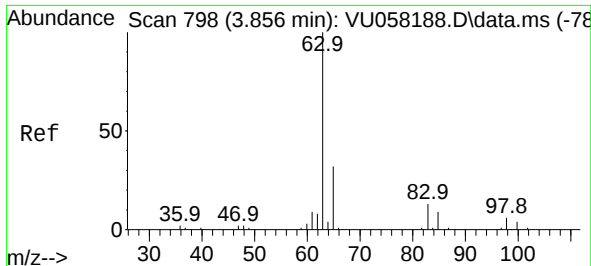
Tgt Ion: 73	Resp: 1987
Ion Ratio	Lower Upper
73 100	
43 20.4	15.5 23.3
57 19.9	18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.232 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.010 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

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# 798

Delta R.T. 0.003 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

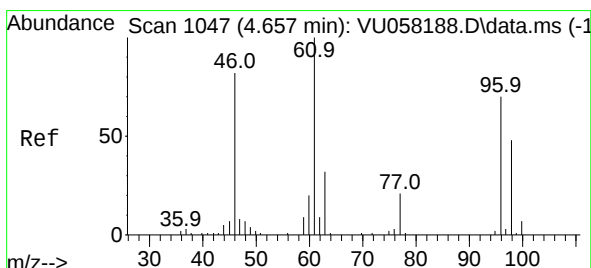
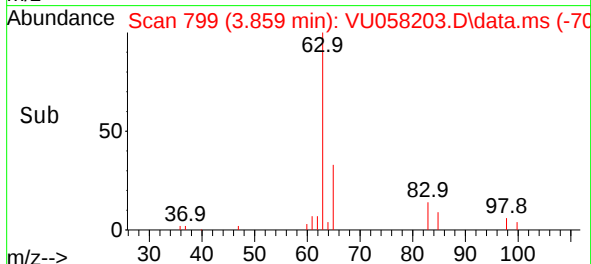
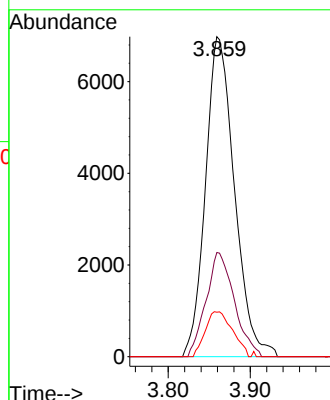
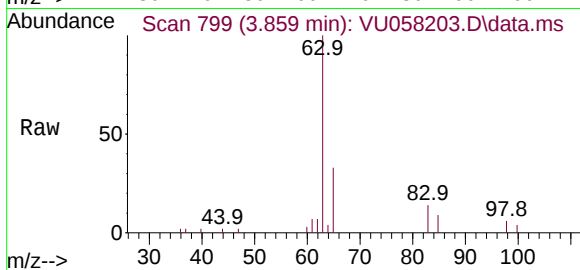
Tgt Ion: 63 Resp: 17115

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

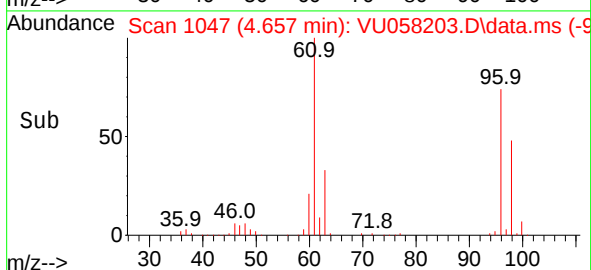
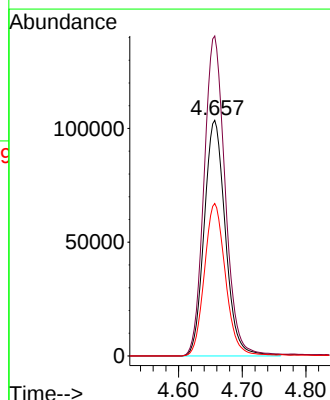
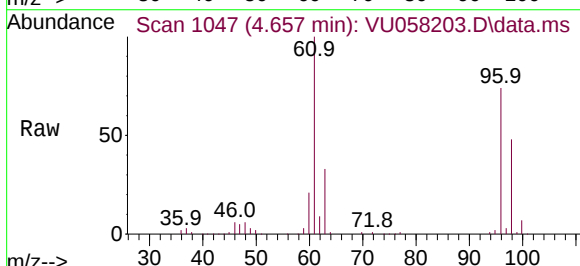
Tgt Ion: 96 Resp: 239404

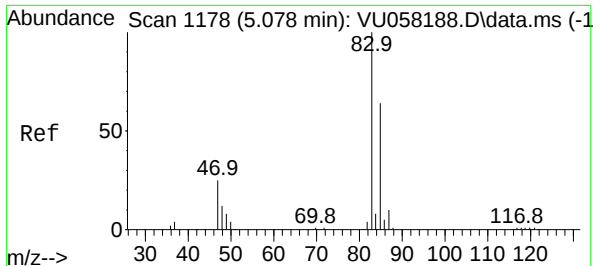
Ion Ratio Lower Upper

96 100

61 135.7 92.8 172.4

98 64.7 43.2 80.2

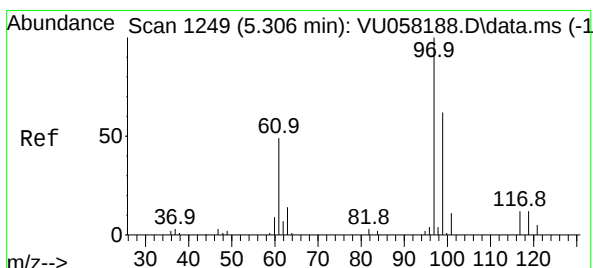
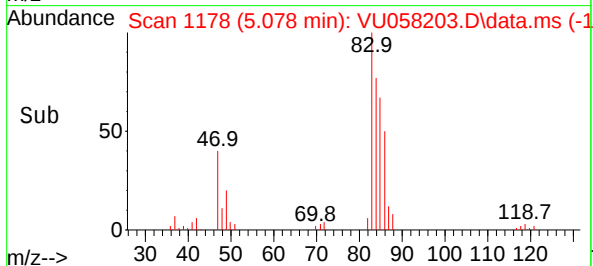
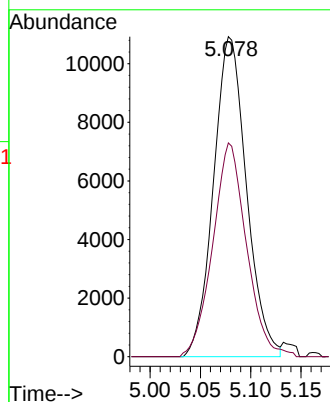
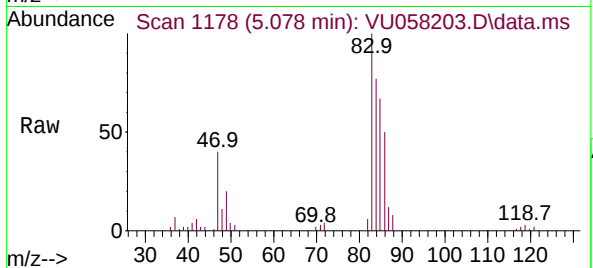




#25
Chloroform
Concen: 2.396 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

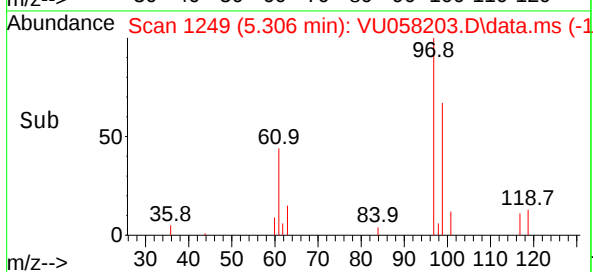
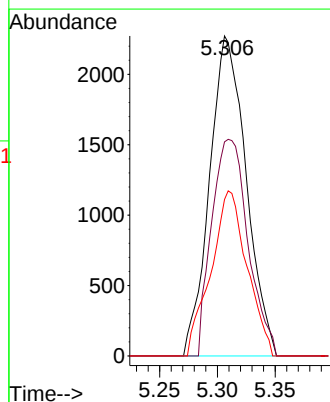
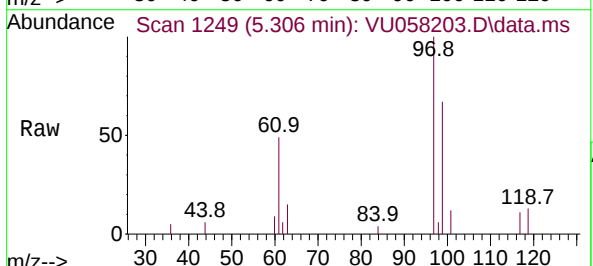
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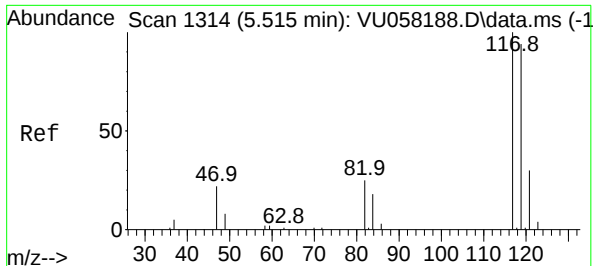
Tgt Ion: 83 Resp: 24914
Ion Ratio Lower Upper
83 100
85 66.8 47.9 88.9



#29
1,1,1-Trichloroethane
Concen: 0.590 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

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

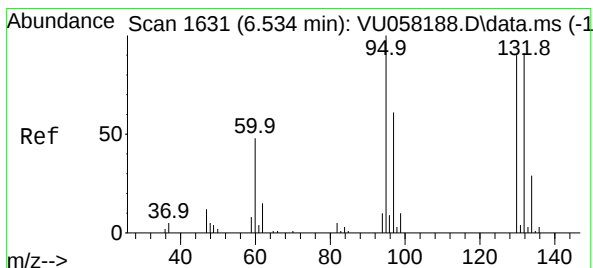
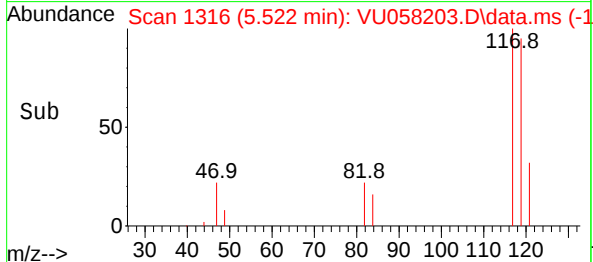
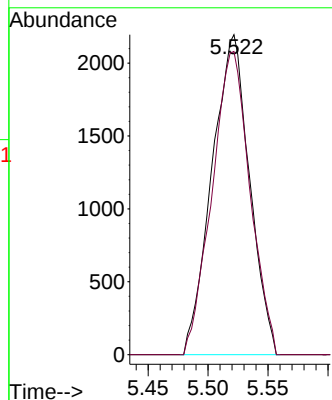
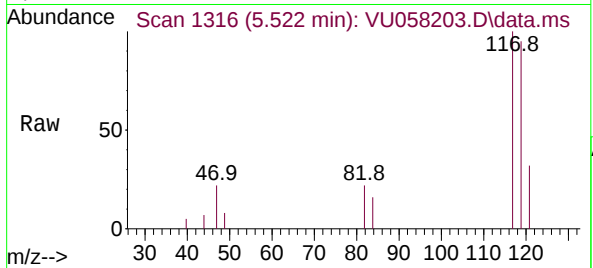




#31
Carbon tetrachloride
Concen: 0.662 ug/L
RT: 5.522 min Scan# 117
Delta R.T. 0.007 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

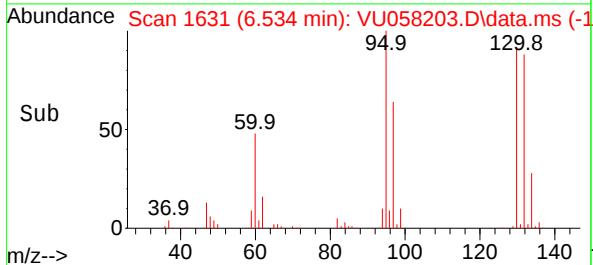
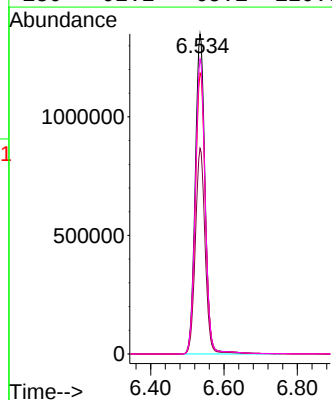
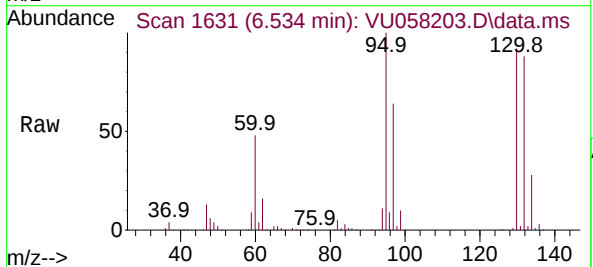
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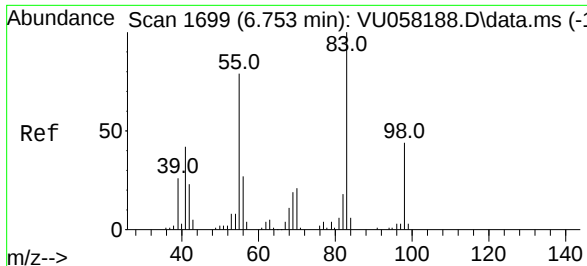
Tgt Ion:117 Resp: 4783
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1



#34
Trichloroethene
Concen: 447.378 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

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





#35

Methylcyclohexane

Concen: 1.193 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

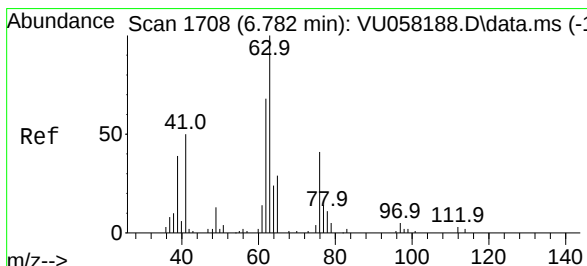
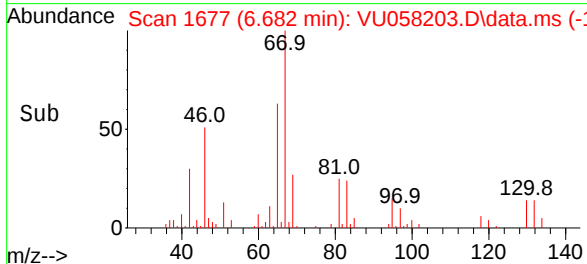
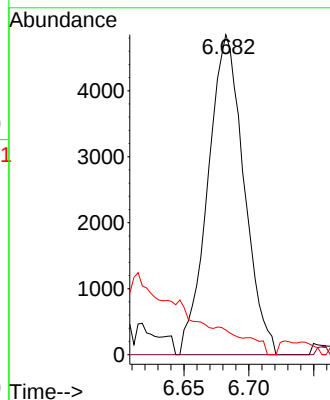
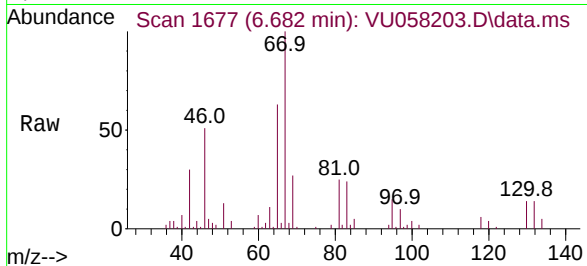
Tgt Ion: 83 Resp: 9343

Ion Ratio Lower Upper

83 100

55 0.7 62.7 94.1#

98 166.8 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.733 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058203.D

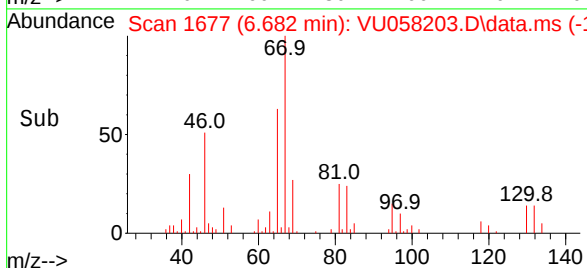
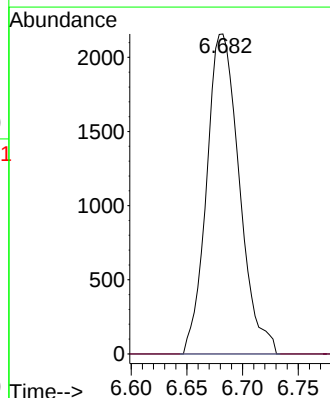
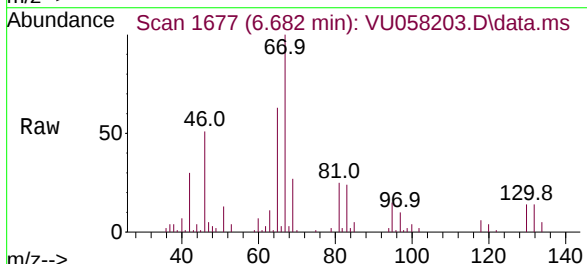
Acq: 22 Mar 2024 19:56

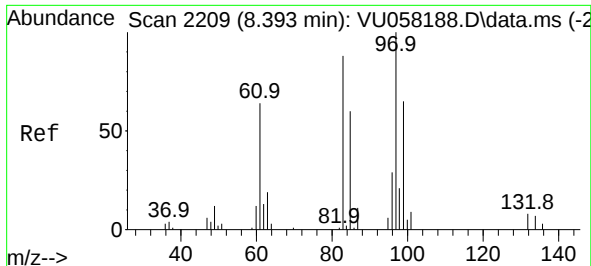
Tgt Ion: 63 Resp: 4413

Ion Ratio Lower Upper

63 100

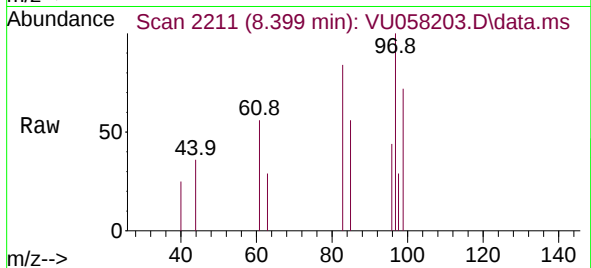
112 0.0 2.7 4.1#



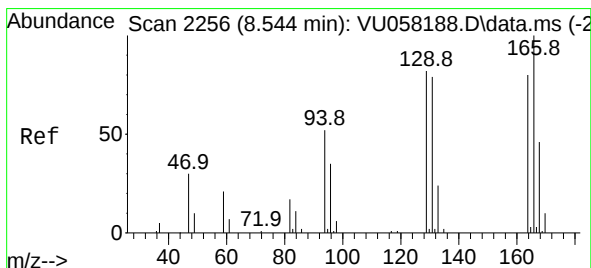
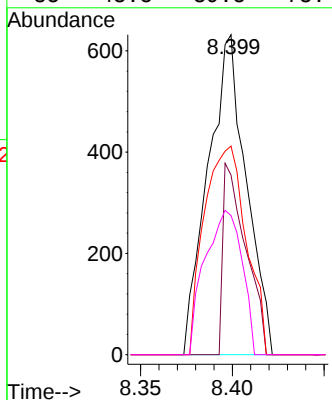
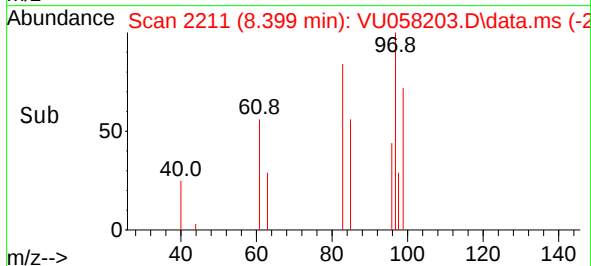


#45
1,1,2-Trichloroethane
Concen: 0.241 ug/L
RT: 8.399 min Scan# 2209
Delta R.T. 0.007 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

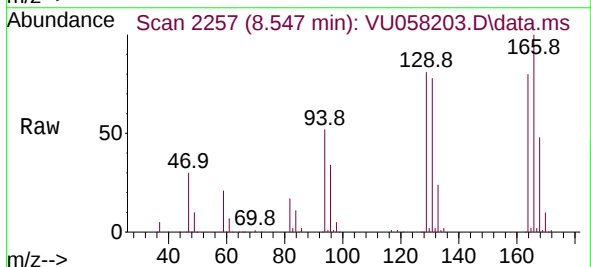
Instrument :
MSVOA_U
ClientSampleId :



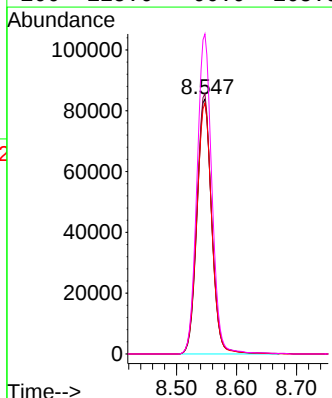
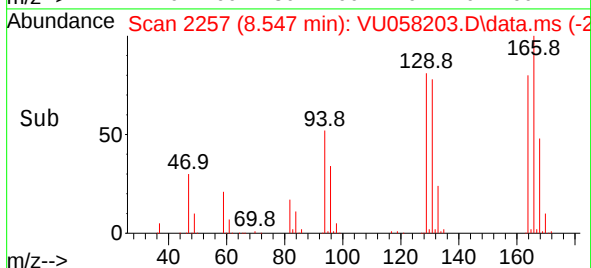
Tgt Ion: 97	Resp: 914
Ion Ratio	Lower Upper
97 100	
99 56.2	44.5 82.7
83 65.2	64.1 119.1
85 43.5	39.5 73.4

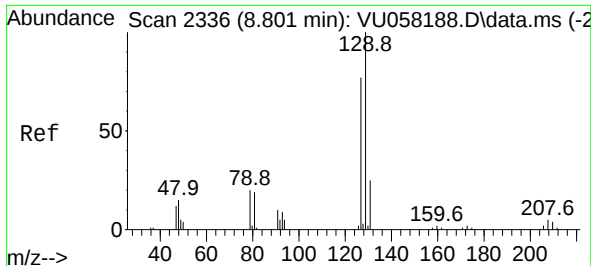


#47
Tetrachloroethene
Concen: 38.185 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56



Tgt	Ion:164	Resp:	143671
	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





#49

Dibromochloromethane

Concen: 34.896 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min MSVOA_U

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

Instrument :

MSVOA_U

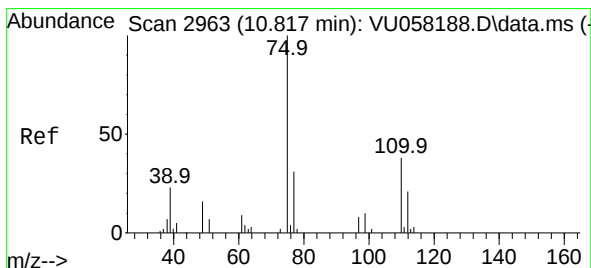
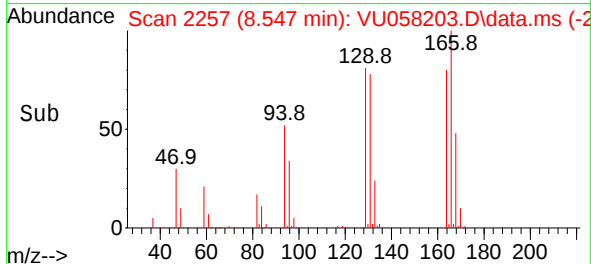
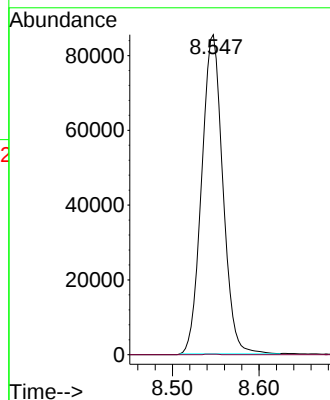
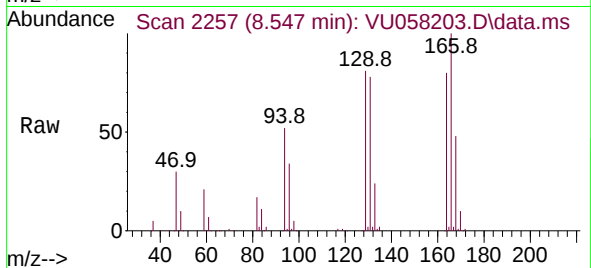
ClientSampleId :

Tgt Ion:129 Resp: 144862

Ion Ratio Lower Upper

129 100

127 0.2 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.718 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.987 min

Lab File: VU058203.D

Acq: 22 Mar 2024 19:56

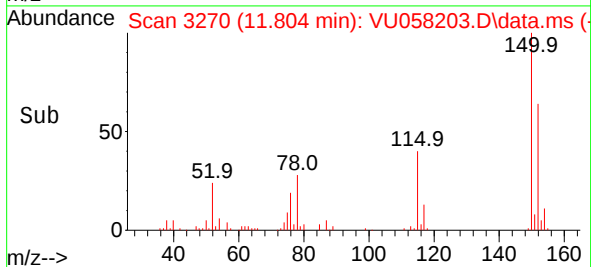
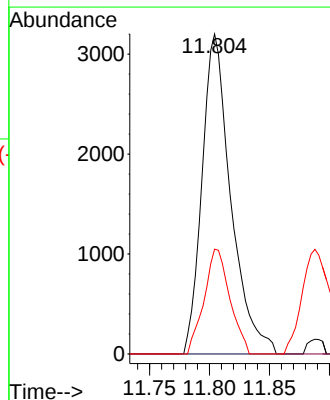
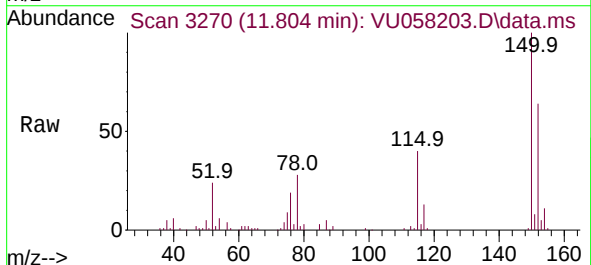
Tgt Ion: 75 Resp: 5353

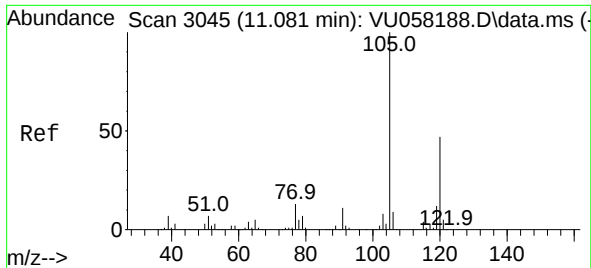
Ion Ratio Lower Upper

75 100

110 0.0 28.1 42.1#

77 29.2 25.1 37.7

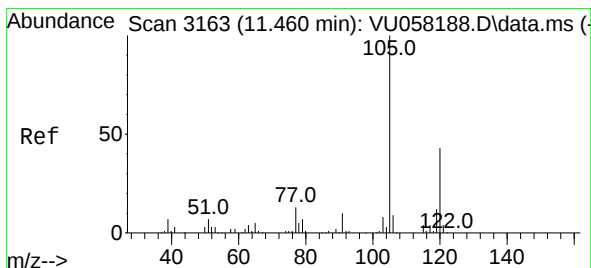
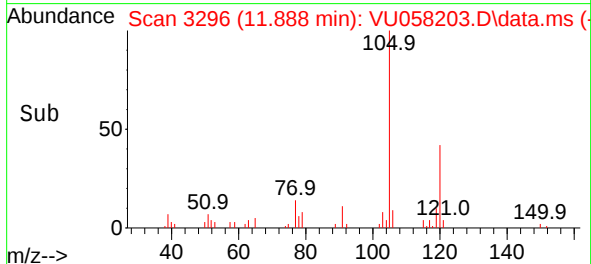
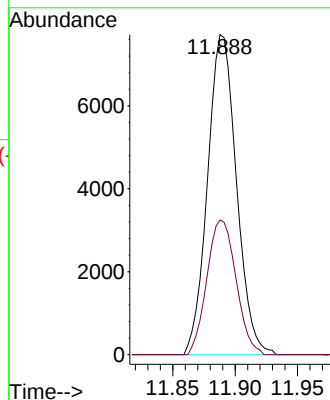
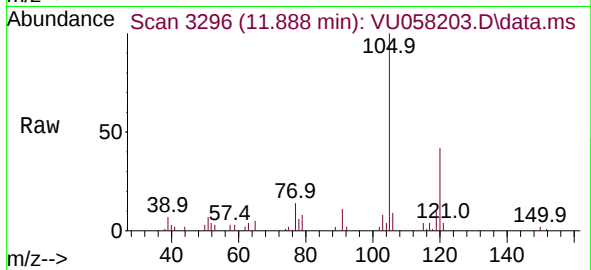




#62
1,3,5-Trimethylbenzene
Concen: 0.665 ug/L
RT: 11.888 min Scan# 31
Delta R.T. 0.807 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

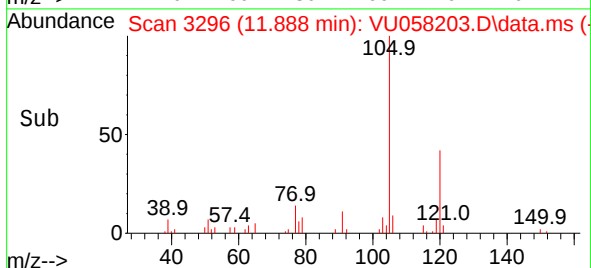
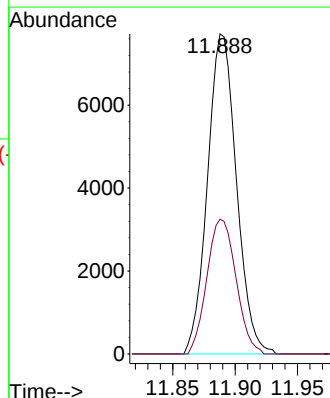
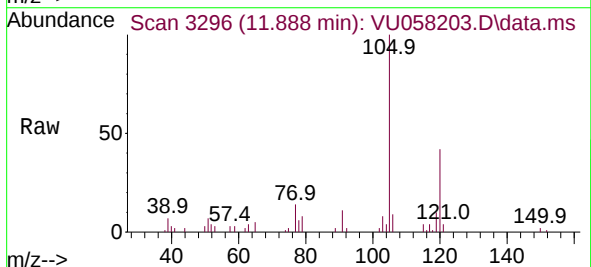
Instrument :
MSVOA_U
ClientSampleId :

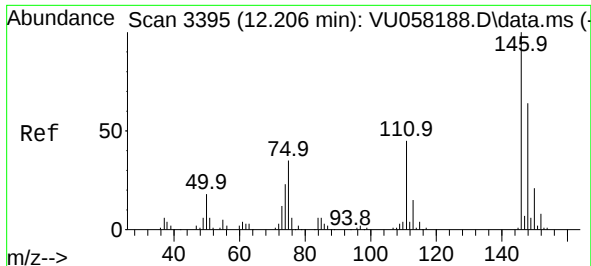
Tgt Ion:105 Resp: 12470
Ion Ratio Lower Upper
105 100
120 42.3 36.7 55.1



#63
1,2,4-Trimethylbenzene
Concen: 0.669 ug/L
RT: 11.888 min Scan# 3296
Delta R.T. 0.428 min
Lab File: VU058203.D
Acq: 22 Mar 2024 19:56

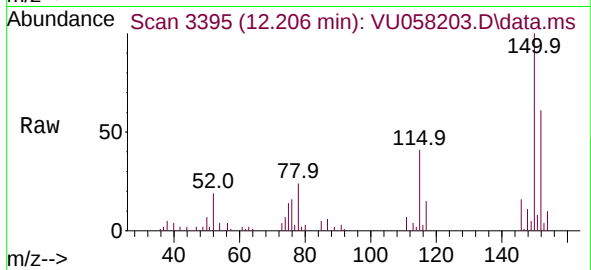
Tgt Ion:105 Resp: 12470
Ion Ratio Lower Upper
105 100
120 42.3 35.9 53.9





#67
 1,2-Dichlorobenzene
 Concen: 0.239 ug/L
 RT: 12.206 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VU058203.D
 Acq: 22 Mar 2024 19:56

Instrument :
 MSVOA_U
 ClientSampleId :



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

