

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
 Data File : VU058395.D
 Acq On : 05 Apr 2024 03:05
 Operator : MD/SY
 Sample : P1970-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 05:16:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 00:02:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	85962	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	82703	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	35799	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28534	5.014	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.200%
7) Chloroethane-d5	1.907	69	25040	5.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.560	65	17696	6.870	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	137.400%#
20) 2-Butanone-d5	4.631	46	63492	52.938	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.880%
24) Chloroform-d	5.052	84	58123	5.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.692	65	28092	5.298	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.721	84	115296	5.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.682	67	37255	5.335	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.800%
41) Toluene-d8	7.891	98	99920	5.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.177	79	11217	5.175	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.627	63	44966	50.298	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.600%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	23826	4.833	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	30902	5.125	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%

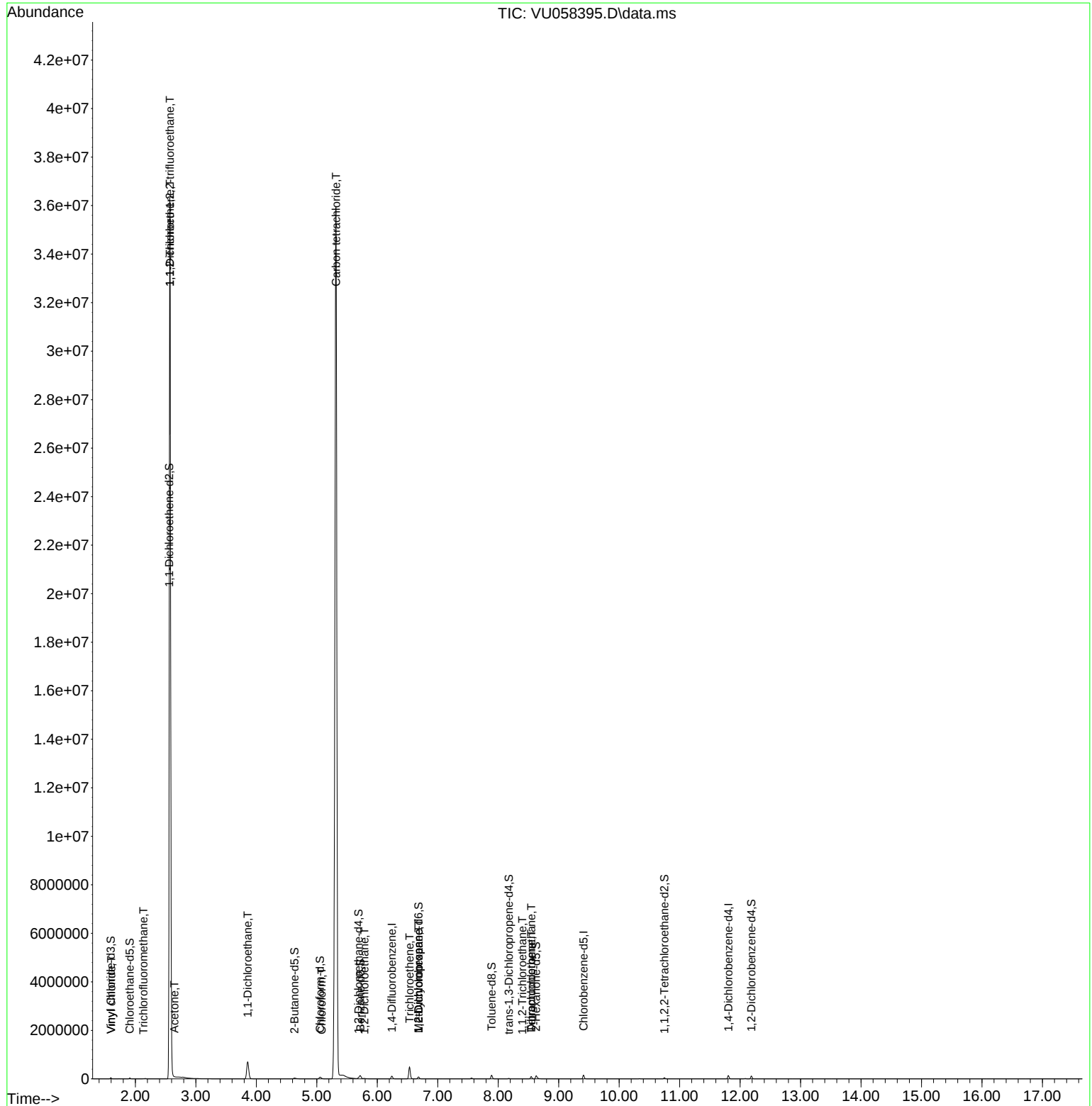
Target Compounds					Qvalue
5) Vinyl chloride	1.602	62	2483	0.284	ug/L 87
9) Trichlorofluoromethane	2.136	101	2118	0.183	ug/L 97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	25544	3.717	ug/L # 32
12) 1,1-Dichloroethene	2.570	96	11001270	1805.823	ug/L # 50
13) Acetone	2.647	43	4361	4.260	ug/L 95
19) 1,1-Dichloroethane	3.859	63	826743	59.323	ug/L 98
25) Chloroform	5.081	83	9376	0.695	ug/L 96
27) 1,2-Dichloroethane	5.788	62	12152	1.479	ug/L 99
31) Carbon tetrachloride	5.319	117	3095843	329.681	ug/L 100
34) Trichloroethene	6.534	95	168728	22.328	ug/L 97
35) Methylcyclohexane	6.682	83	8163	0.717	ug/L # 19
37) 1,2-Dichloropropane	6.682	63	4079	0.517	ug/L # 90
45) 1,1,2-Trichloroethane	8.399	97	959	0.208	ug/L 96
47) Tetrachloroethene	8.547	164	20074	3.624	ug/L 99
49) Dibromochloromethane	8.547	129	19936	3.743	ug/L # 11

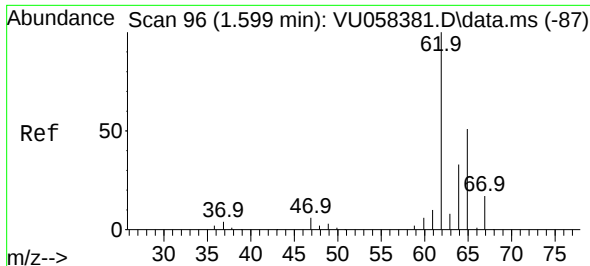
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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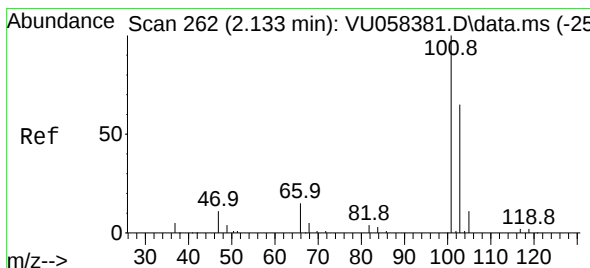
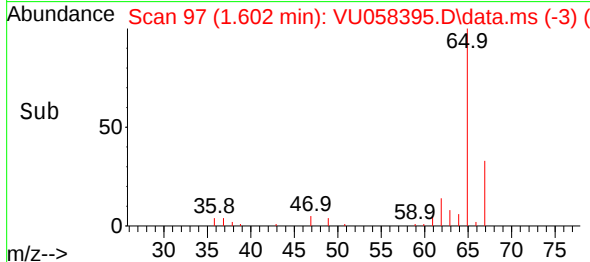
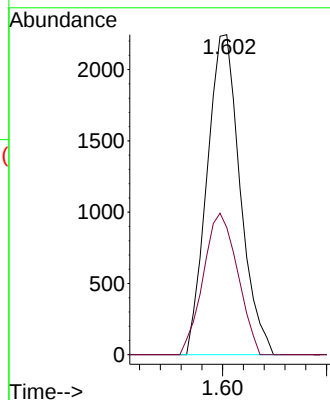
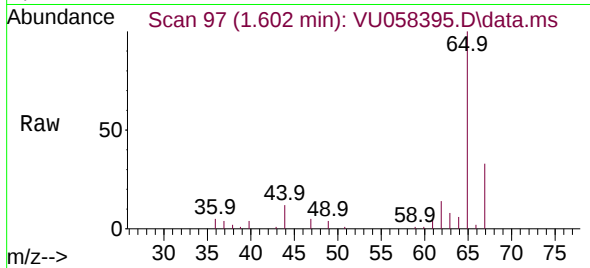




#5
 Vinyl chloride
 Concen: 0.284 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU058395.D
 Acq: 05 Apr 2024 03:05

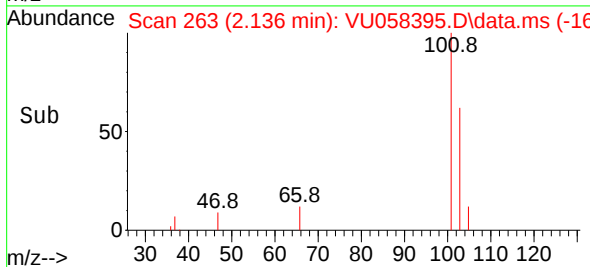
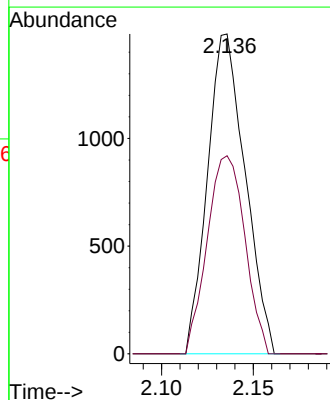
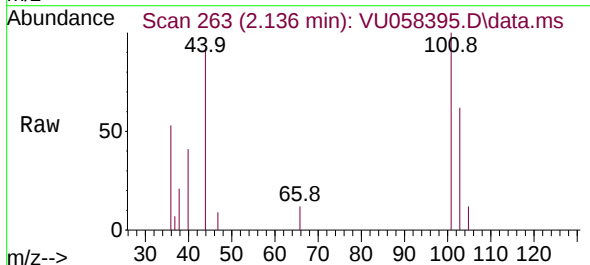
Instrument :
 MSVOA_U
 ClientSampleId :

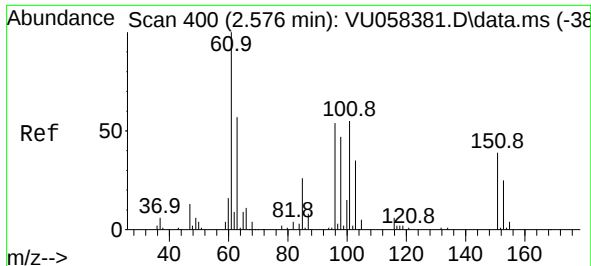
Tgt Ion: 62 Resp: 2483
 Ion Ratio Lower Upper
 62 100
 64 39.8 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 0.183 ug/L
 RT: 2.136 min Scan# 263
 Delta R.T. 0.003 min
 Lab File: VU058395.D
 Acq: 05 Apr 2024 03:05

Tgt Ion: 101 Resp: 2118
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.717 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.007 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

Instrument :

MSVOA_U

ClientSampleId :

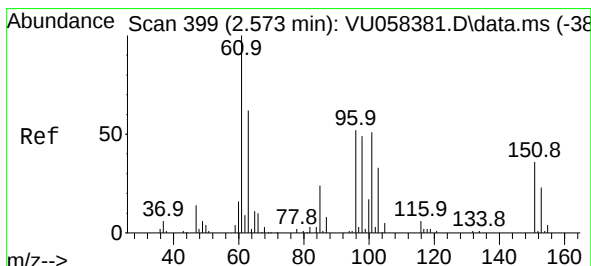
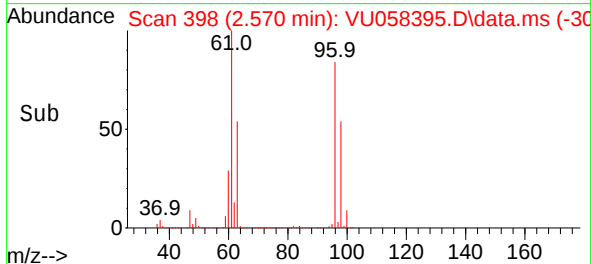
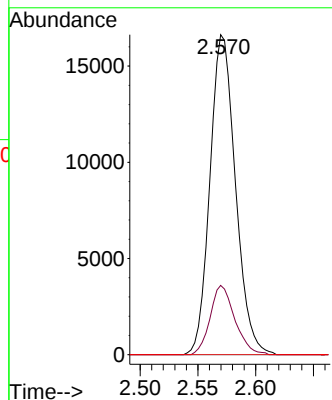
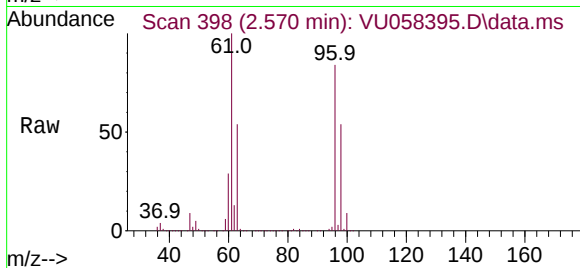
Tgt Ion:101 Resp: 25544

Ion Ratio Lower Upper

101 100

85 20.9 36.8 55.2#

151 0.0 58.2 87.4#



#12

1,1-Dichloroethene

Concen: 1805.823 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

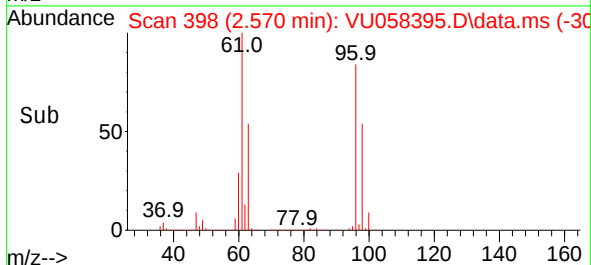
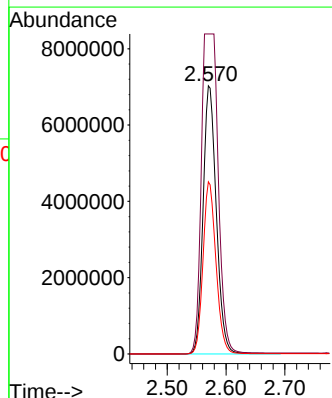
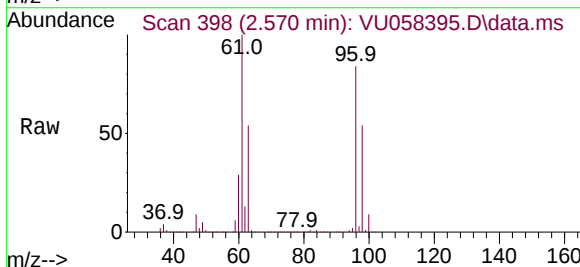
Tgt Ion: 96 Resp:11001270

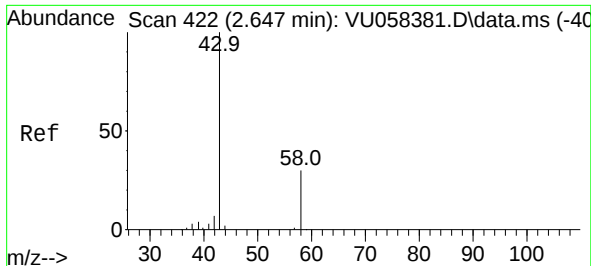
Ion Ratio Lower Upper

96 100

61 119.4 132.5 246.1#

63 64.2 87.7 162.9#





#13

Acetone

Concen: 4.260 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

Instrument :

MSVOA_U

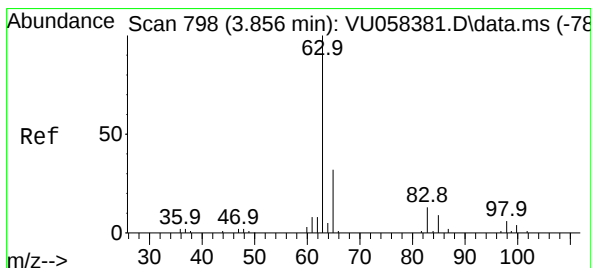
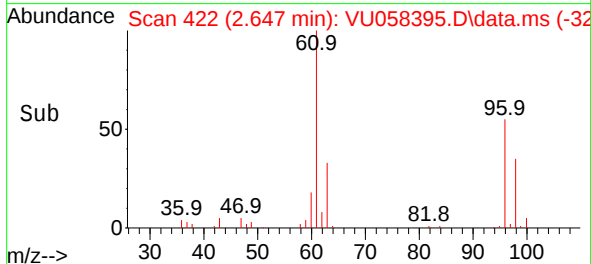
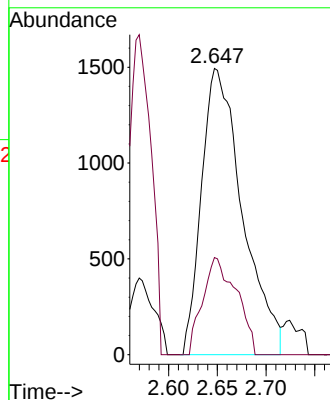
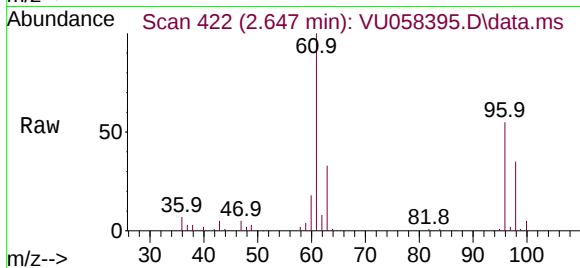
ClientSampleId :

Tgt Ion: 43 Resp: 4361

Ion Ratio Lower Upper

43 100

58 28.0 0.0 61.4



#19

1,1-Dichloroethane

Concen: 59.323 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.003 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

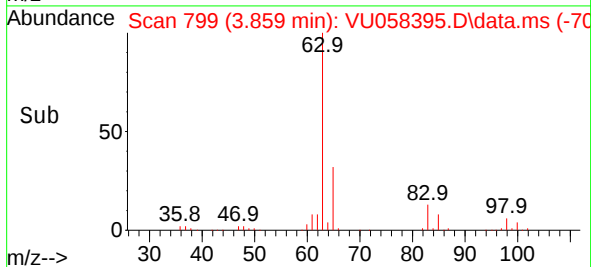
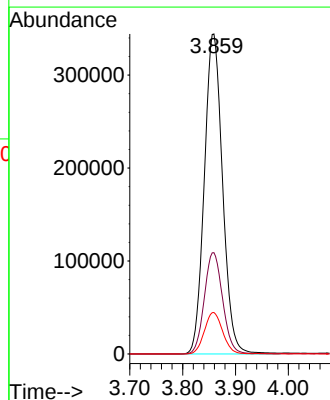
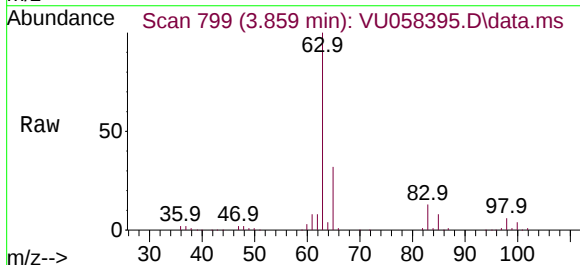
Tgt Ion: 63 Resp: 826743

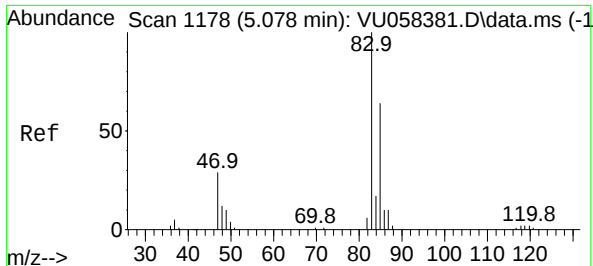
Ion Ratio Lower Upper

63 100

65 31.7 22.9 42.5

83 13.0 9.6 17.8





#25

Chloroform

Concen: 0.695 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

Instrument :

MSVOA_U

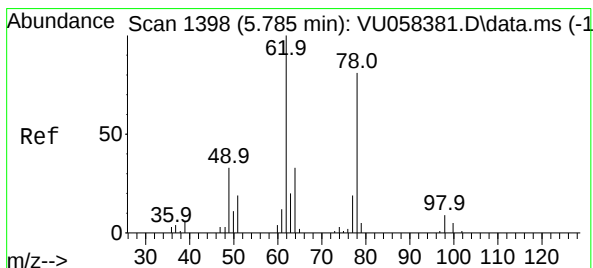
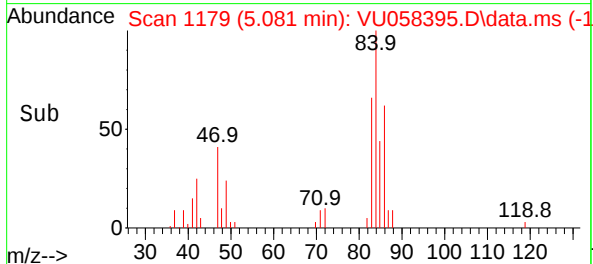
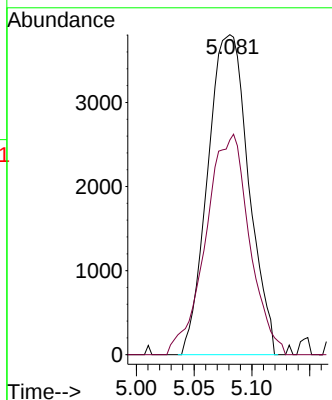
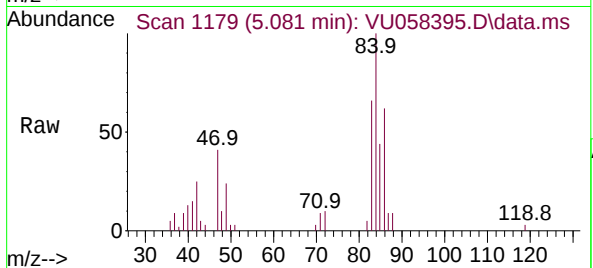
ClientSampleId :

Tgt Ion: 83 Resp: 9376

Ion Ratio Lower Upper

83 100

85 67.1 44.7 83.1



#27

1,2-Dichloroethane

Concen: 1.479 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058395.D

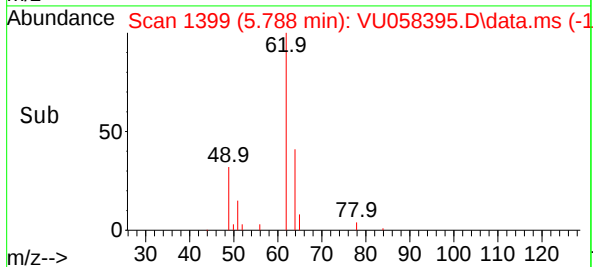
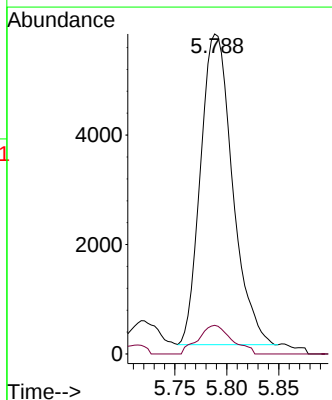
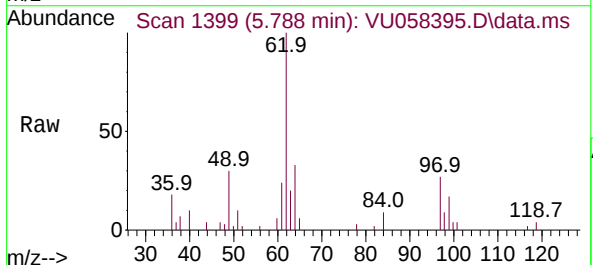
Acq: 05 Apr 2024 03:05

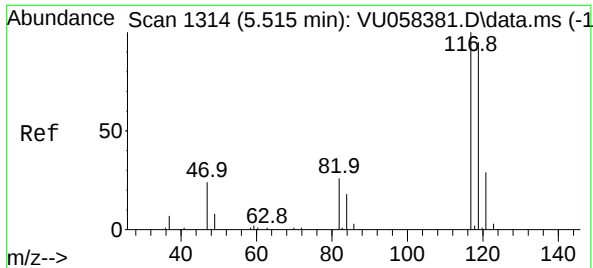
Tgt Ion: 62 Resp: 12152

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.4

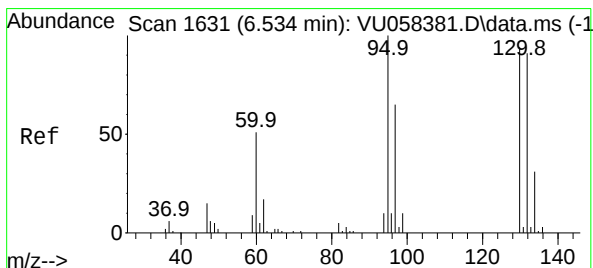
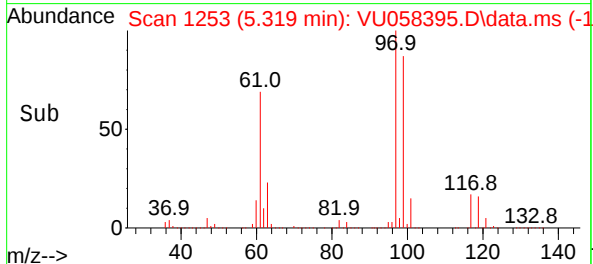
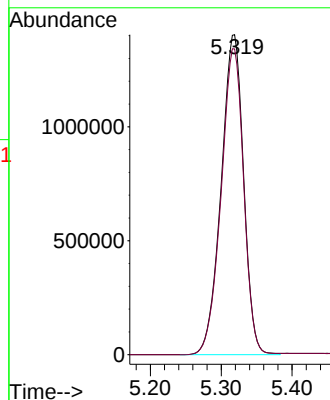
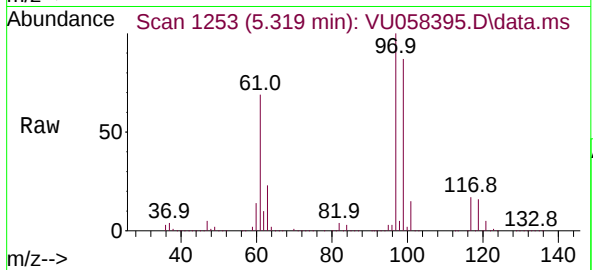




#31
Carbon tetrachloride
Concen: 329.681 ug/L
RT: 5.319 min Scan# 117
Delta R.T. -0.196 min
Lab File: VU058395.D
Acq: 05 Apr 2024 03:05

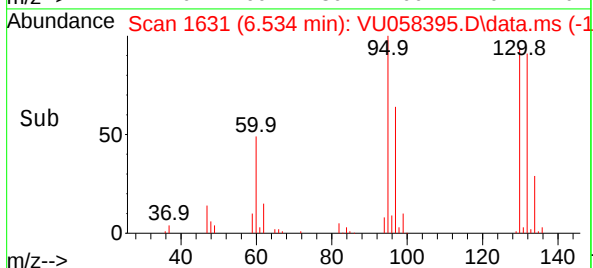
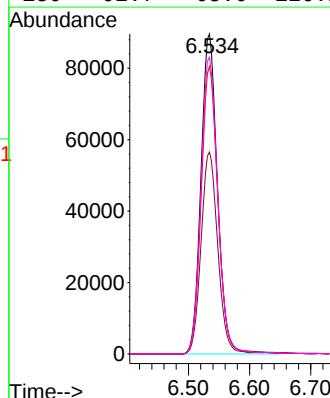
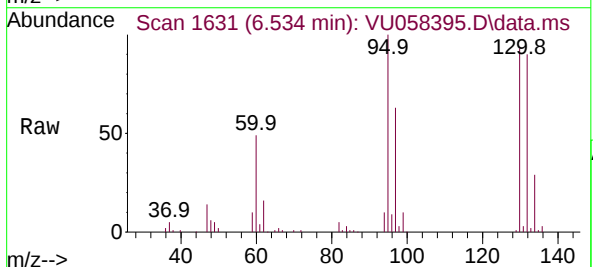
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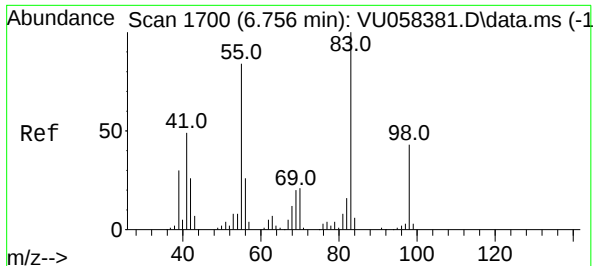
Tgt Ion:117 Resp: 3095843
Ion Ratio Lower Upper
117 100
119 95.8 76.7 115.1



#34
Trichloroethene
Concen: 22.328 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU058395.D
Acq: 05 Apr 2024 03:05

Tgt Ion: 95 Resp: 168728
Ion Ratio Lower Upper
95 100
97 63.1 45.6 84.6
132 89.8 64.8 120.3
130 92.7 68.0 126.2





#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058395.D

Acq: 05 Apr 2024 03:05

Instrument :

MSVOA_U

ClientSampleId :

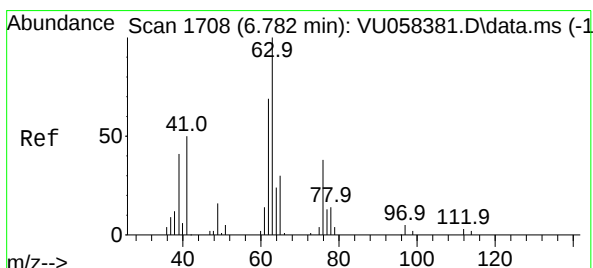
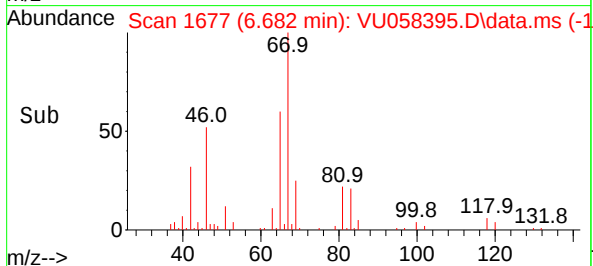
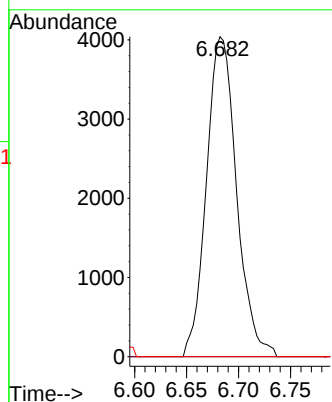
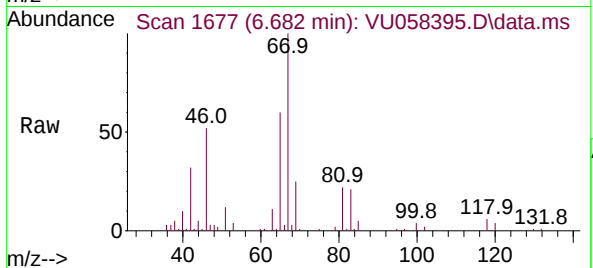
Tgt Ion: 83 Resp: 8163

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 4.8 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.517 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058395.D

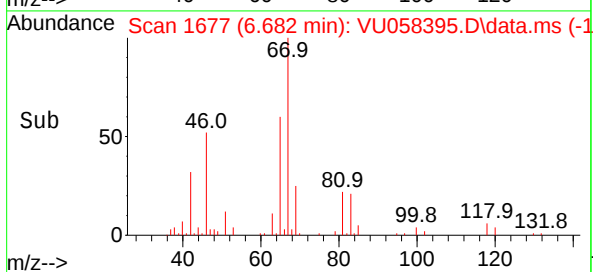
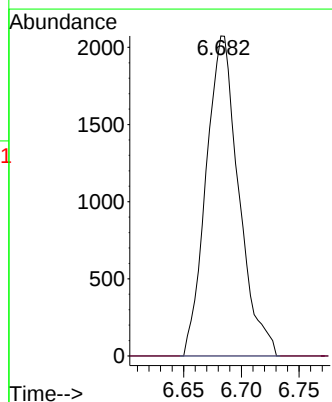
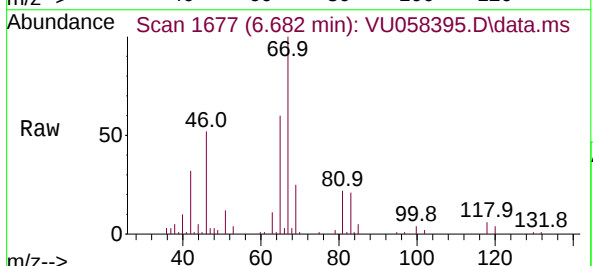
Acq: 05 Apr 2024 03:05

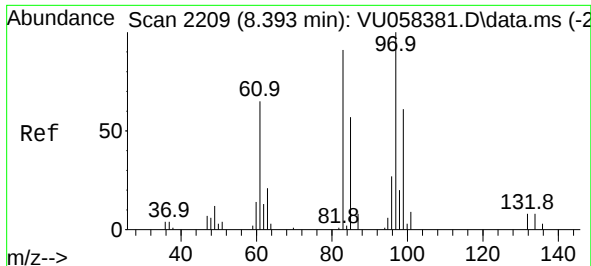
Tgt Ion: 63 Resp: 4079

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#

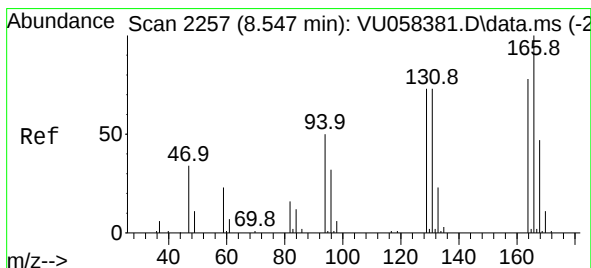
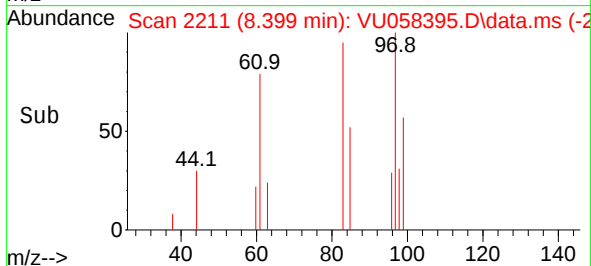
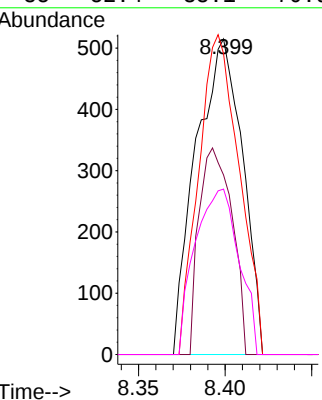
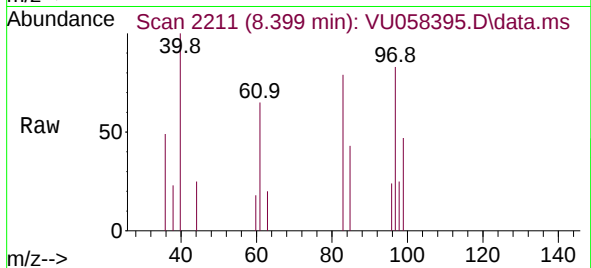




#45
1,1,2-Trichloroethane
Concen: 0.208 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU058395.D
Acq: 05 Apr 2024 03:05

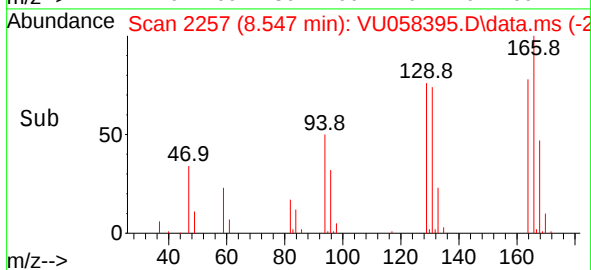
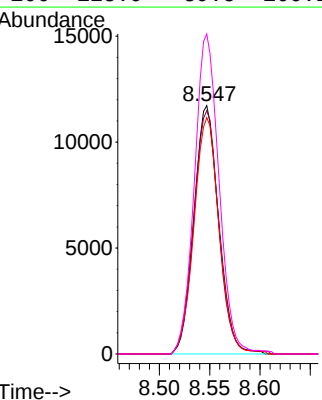
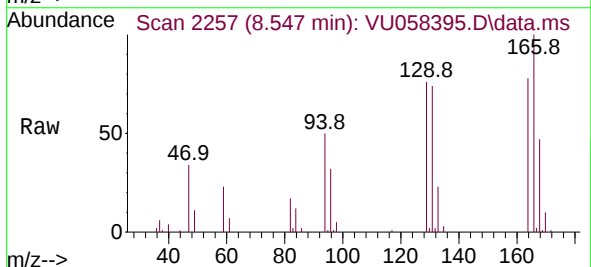
Instrument :
MSVOA_U
ClientSampleId :

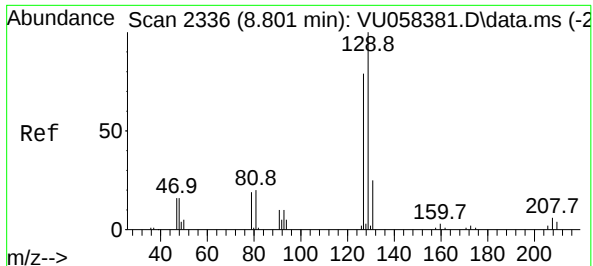
Tgt Ion:	97	Resp:	959
Ion	Ratio	Lower	Upper
97	100		
99	56.9	43.7	81.1
83	95.3	64.5	119.7
85	52.4	38.1	70.9



#47
Tetrachloroethene
Concen: 3.624 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058395.D
Acq: 05 Apr 2024 03:05

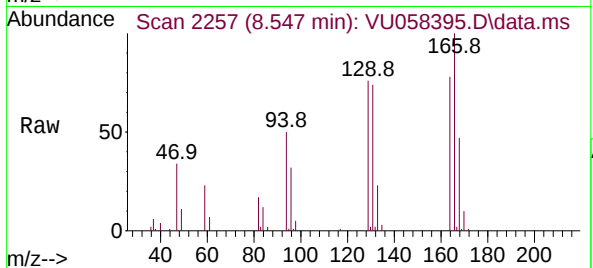
Tgt Ion:	164	Resp:	20074
Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.3	125.1
131	95.1	65.5	121.6
166	128.9	89.5	166.1





#49
 Dibromochloromethane
 Concen: 3.743 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.254 min
 Lab File: VU058395.D
 Acq: 05 Apr 2024 03:05

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:129 Resp: 19936
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.5#

