

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058444.D
 Acq On : 06 Apr 2024 01:22
 Operator : MD/SY
 Sample : P1948-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:00:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	77585	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	74614	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32991	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	21966	4.276	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.907	69	20956	4.694	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.563	65	12089	5.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	4.624	46	53564	49.482	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.960%
24) Chloroform-d	5.052	84	50323	4.908	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.695	65	24198	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.717	84	99386	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.682	67	32898	5.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.891	98	82836	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.177	79	9778	5.000	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.627	63	38093	47.229	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.460%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20593	4.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	26024	4.684	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	1400	0.177	ug/L	94
5) Vinyl chloride	1.599	62	1674	0.212	ug/L #	58
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	8391	1.353	ug/L #	31
12) 1,1-Dichloroethene	2.573	96	3666609	666.846	ug/L #	77
13) Acetone	2.644	43	4218	4.565	ug/L	98
15) Methyl Acetate	2.856	43	9728	4.462	ug/L #	55
16) Methylene chloride	3.039	84	1117	0.153	ug/L	96
19) 1,1-Dichloroethane	3.856	63	661904	52.623	ug/L	99
25) Chloroform	5.081	83	4872	0.400	ug/L	99
27) 1,2-Dichloroethane	5.788	62	8715	1.176	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	12658156	1265.341	ug/L	98
31) Carbon tetrachloride	5.312	117	1559312	184.055	ug/L	100
34) Trichloroethene	6.534	95	130190	19.096	ug/L	99
35) Methylcyclohexane	6.682	83	7097	0.691	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3484	0.490	ug/L #	90
40) 4-Methyl-2-pentanone	7.704	43	5246	1.566	ug/L #	45
47) Tetrachloroethene	8.547	164	4631	0.927	ug/L	95
49) Dibromochloromethane	8.547	129	4339	0.903	ug/L #	11
53) m,p-Xylene	9.691	106	1557	0.145	ug/L	85

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QLast Update : Sat Apr 06 00:37:11 2024
Response via : Initial Calibration

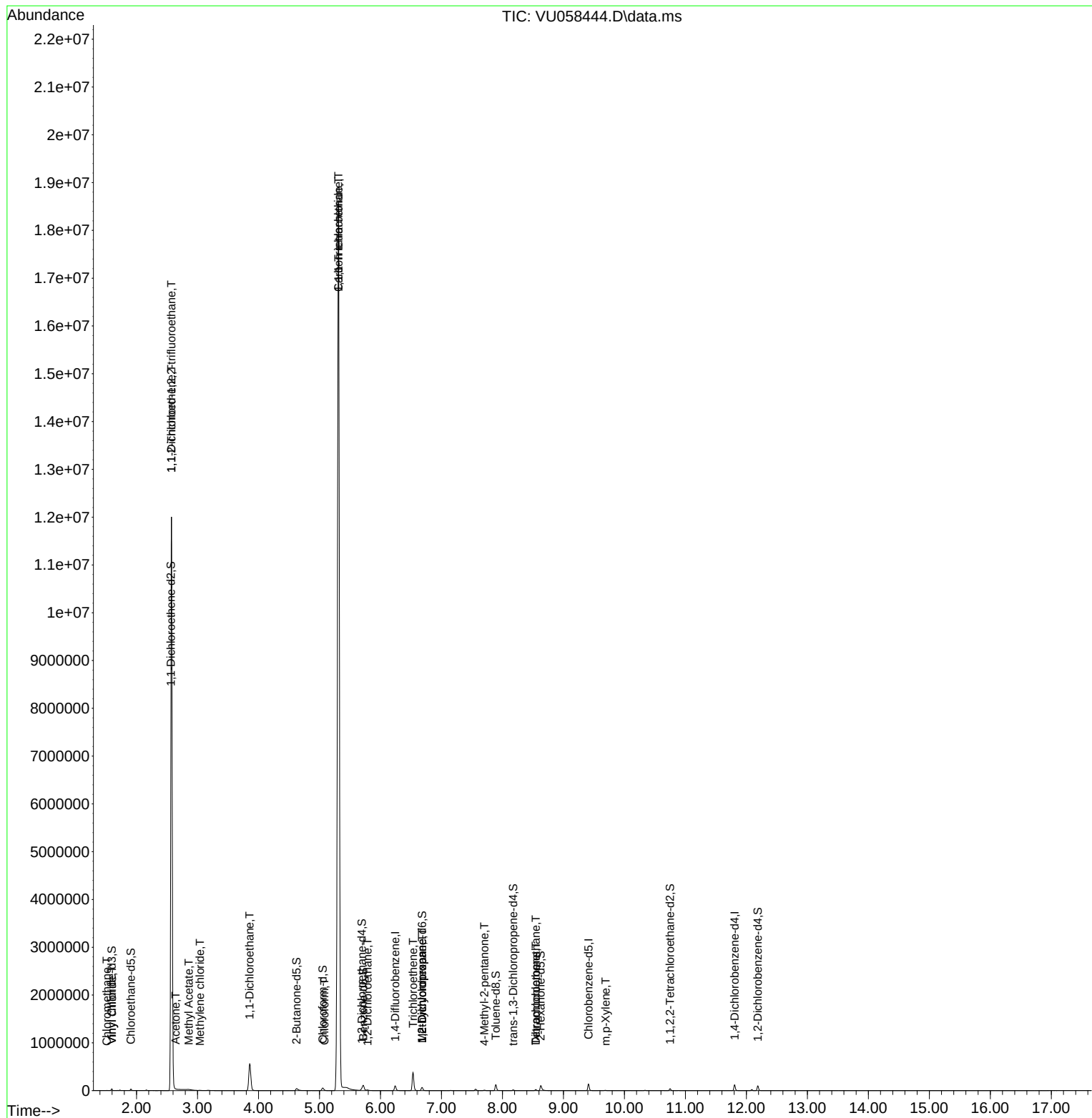
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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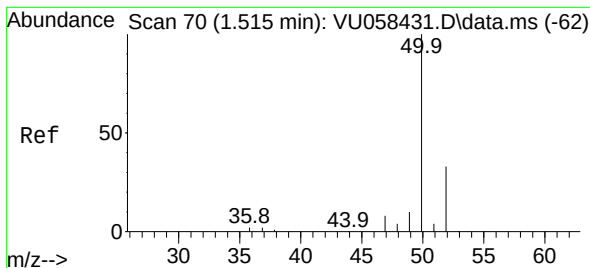
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.177 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU058444.D

Acq: 06 Apr 2024 01:22

Instrument :

MSVOA_U

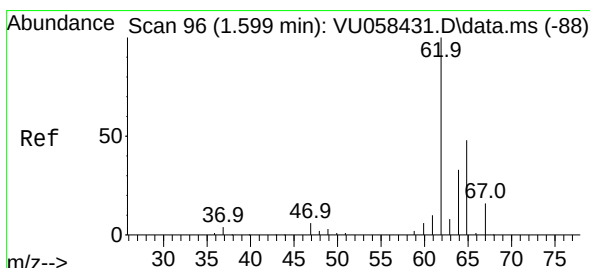
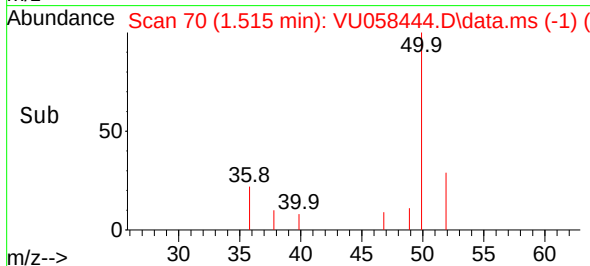
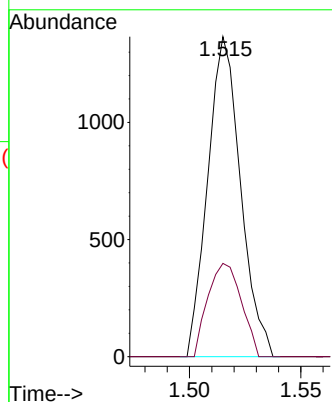
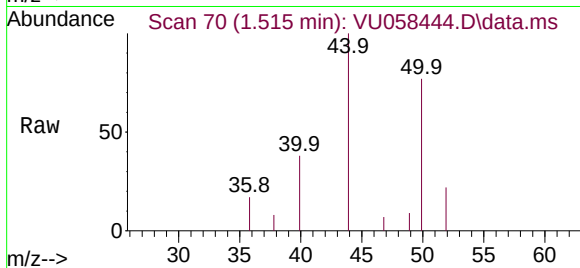
ClientSampleId :

Tgt Ion: 50 Resp: 1400

Ion Ratio Lower Upper

50 100

52 29.1 22.6 42.0



#5

Vinyl chloride

Concen: 0.212 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058444.D

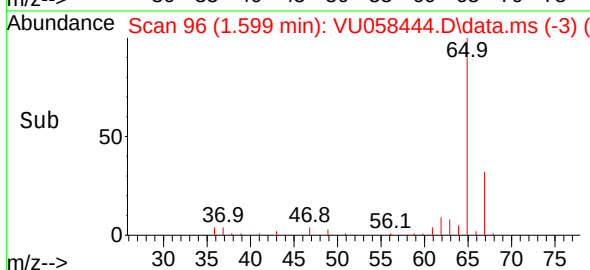
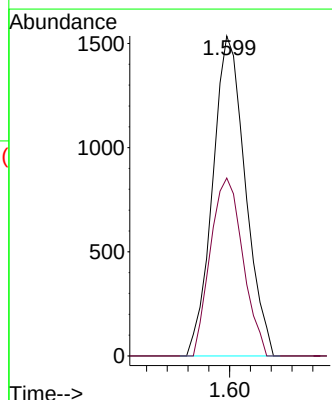
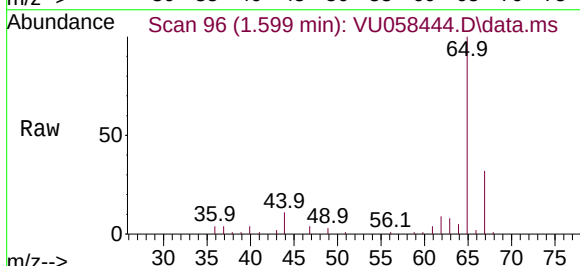
Acq: 06 Apr 2024 01:22

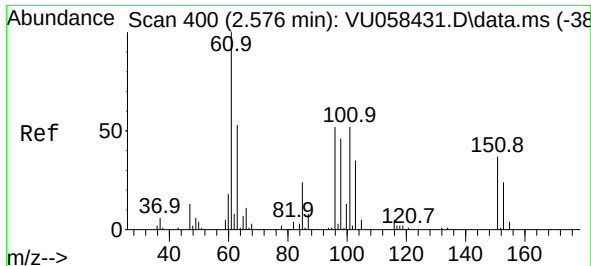
Tgt Ion: 62 Resp: 1674

Ion Ratio Lower Upper

62 100

64 55.6 22.6 42.0#

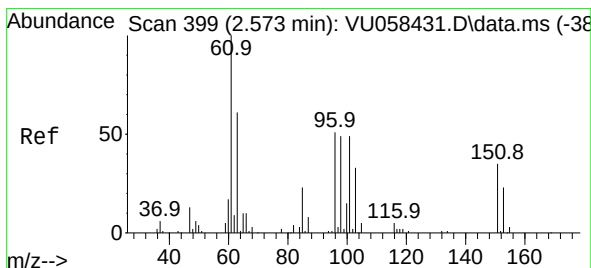
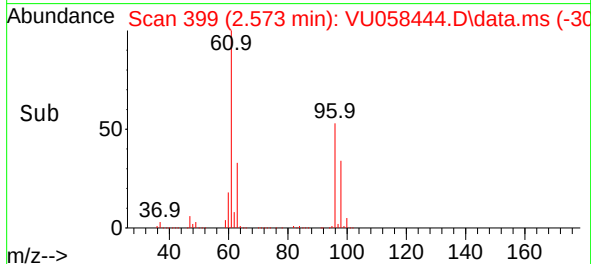
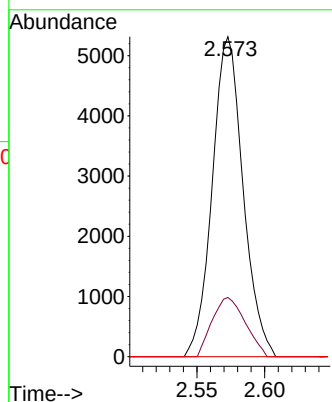
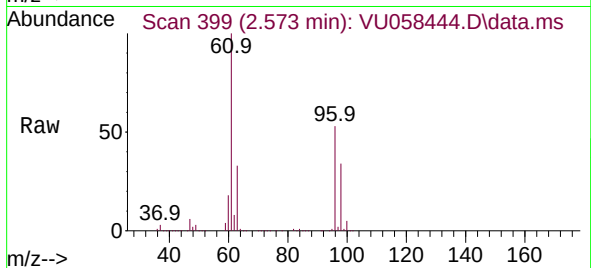




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.353 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU058444.D
 Acq: 06 Apr 2024 01:22

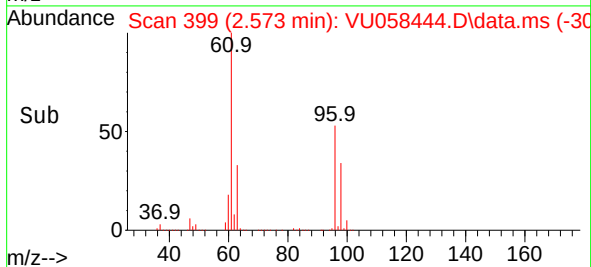
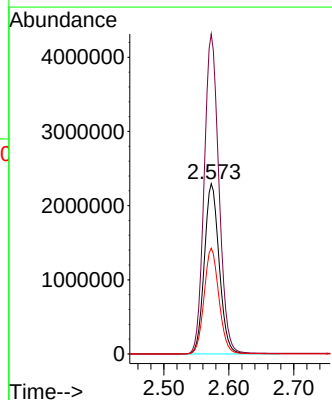
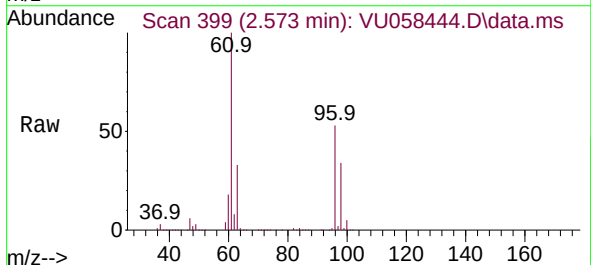
Instrument :
 MSVOA_U
 ClientSampleId :

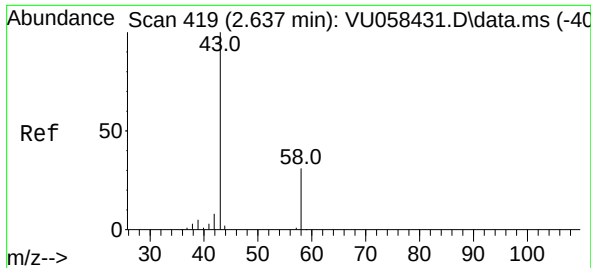
Tgt Ion:101 Resp: 8391
 Ion Ratio Lower Upper
 101 100
 85 19.9 36.8 55.2#
 151 0.0 58.2 87.4#



#12
 1,1-Dichloroethene
 Concen: 666.846 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU058444.D
 Acq: 06 Apr 2024 01:22

Tgt Ion: 96 Resp: 3666609
 Ion Ratio Lower Upper
 96 100
 61 187.9 132.5 246.1
 63 62.1 87.7 162.9#





#13

Acetone

Concen: 4.565 ug/L

RT: 2.644 min Scan# 419

Delta R.T. 0.006 min

Lab File: VU058444.D

Acq: 06 Apr 2024 01:22

Instrument :

MSVOA_U

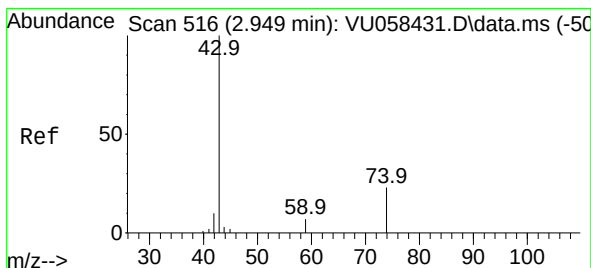
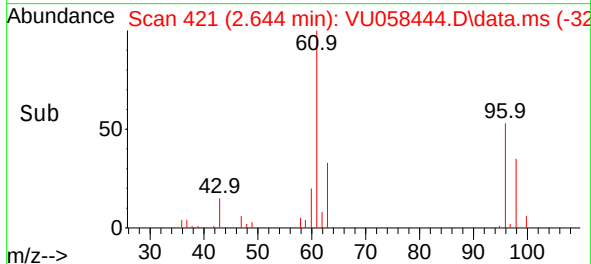
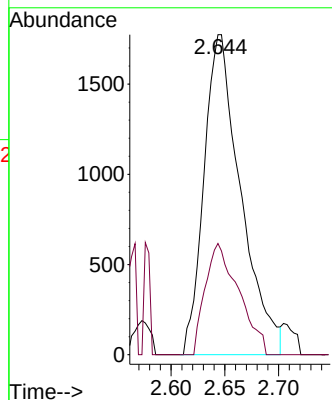
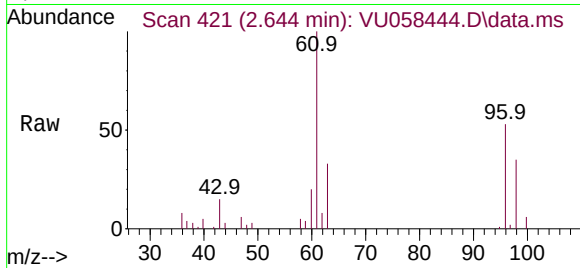
ClientSampleId :

Tgt Ion: 43 Resp: 4218

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.4



#15

Methyl Acetate

Concen: 4.462 ug/L

RT: 2.856 min Scan# 487

Delta R.T. -0.093 min

Lab File: VU058444.D

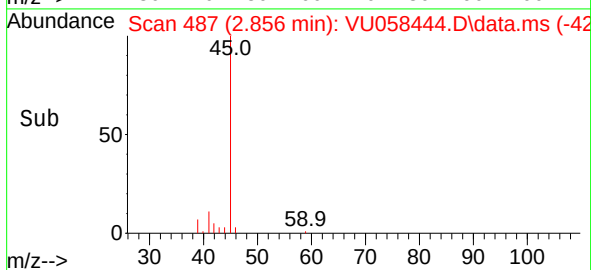
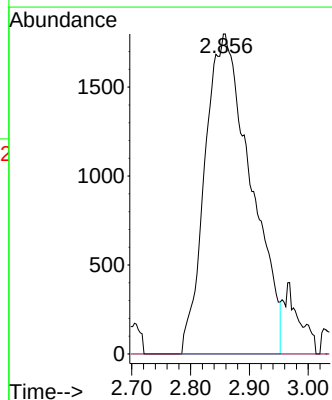
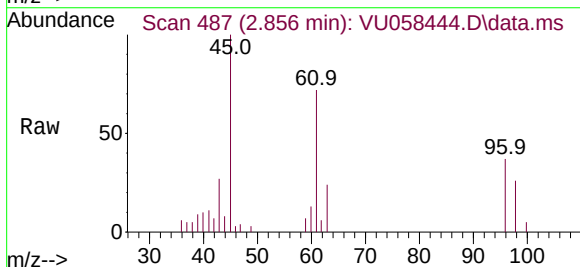
Acq: 06 Apr 2024 01:22

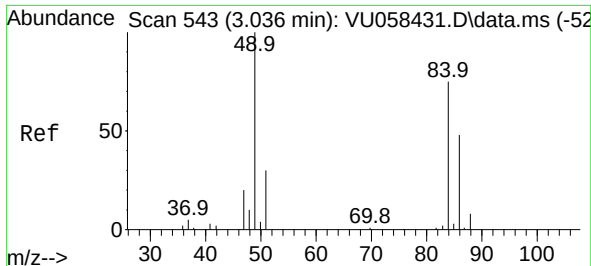
Tgt Ion: 43 Resp: 9728

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

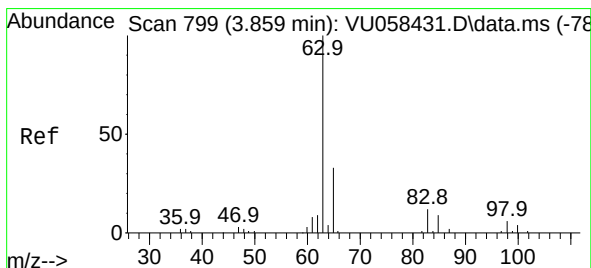
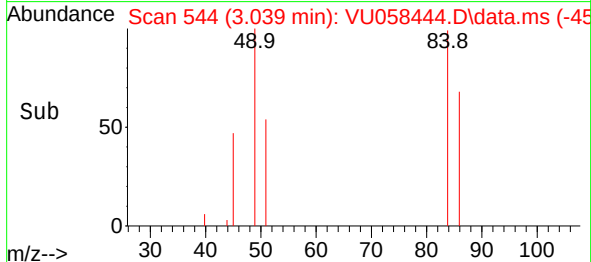
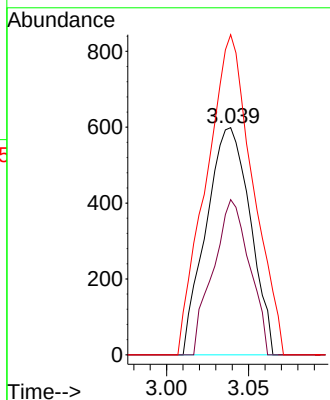
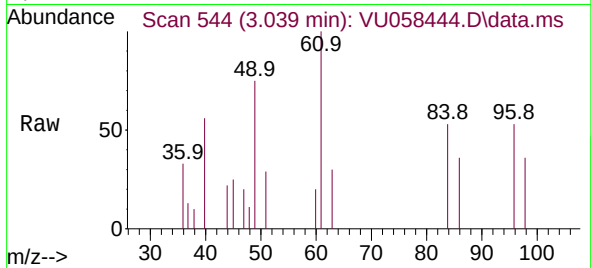




#16
Methylene chloride
Concen: 0.153 ug/L
RT: 3.039 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

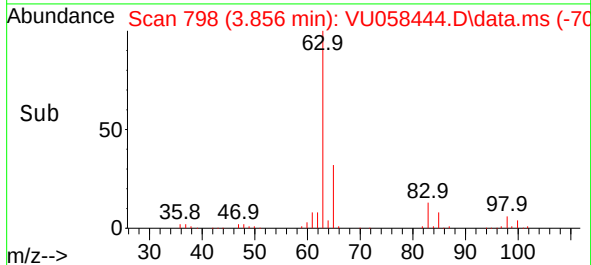
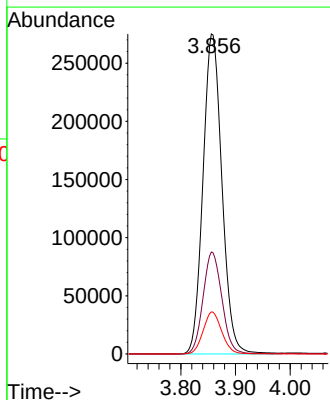
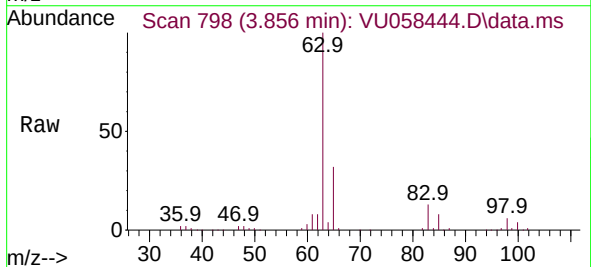
Instrument :
MSVOA_U
ClientSampleId :

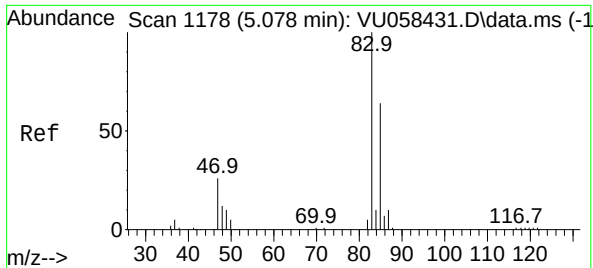
Tgt Ion: 84 Resp: 1117
Ion Ratio Lower Upper
84 100
86 68.3 44.3 82.3
49 140.9 96.0 178.2



#19
1,1-Dichloroethane
Concen: 52.623 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.003 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

Tgt Ion: 63 Resp: 661904
Ion Ratio Lower Upper
63 100
65 31.9 22.9 42.5
83 13.2 9.6 17.8

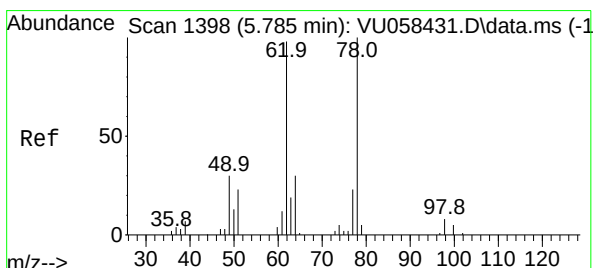
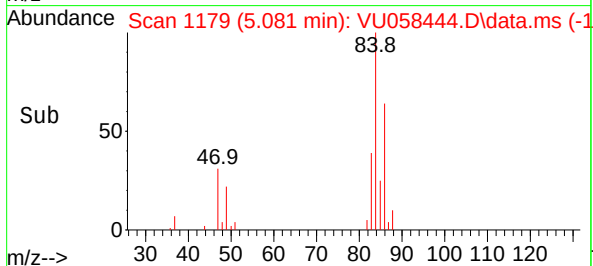
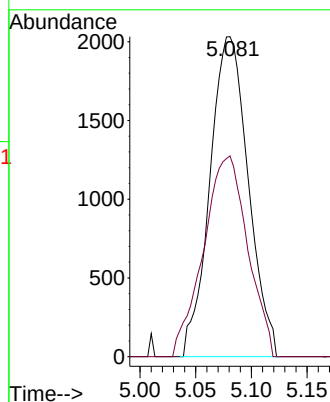
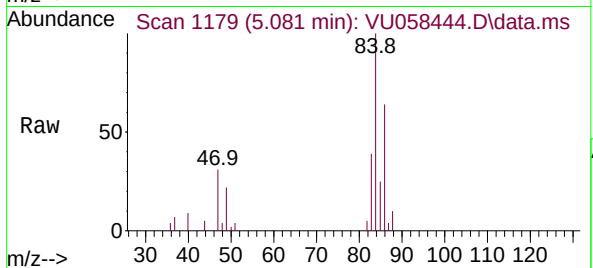




#25
Chloroform
Concen: 0.400 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

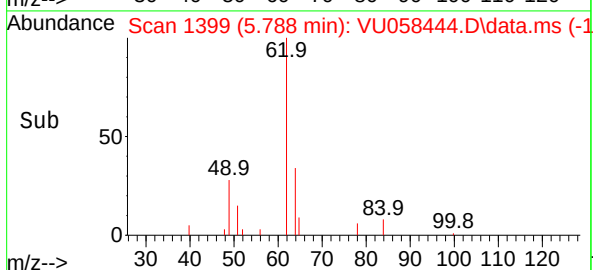
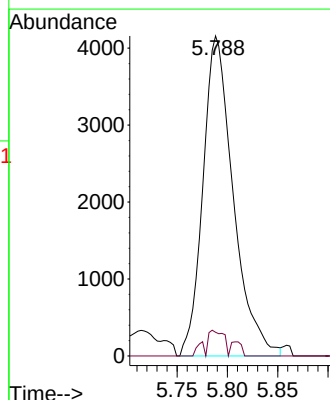
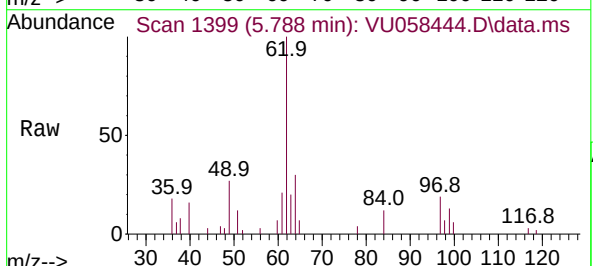
Instrument :
MSVOA_U
ClientSampleId :

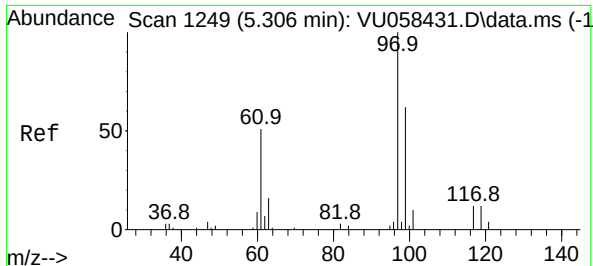
Tgt Ion: 83 Resp: 4872
Ion Ratio Lower Upper
83 100
85 62.7 44.7 83.1



#27
1,2-Dichloroethane
Concen: 1.176 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

Tgt Ion: 62 Resp: 8715
Ion Ratio Lower Upper
62 100
98 7.4 7.0 10.4

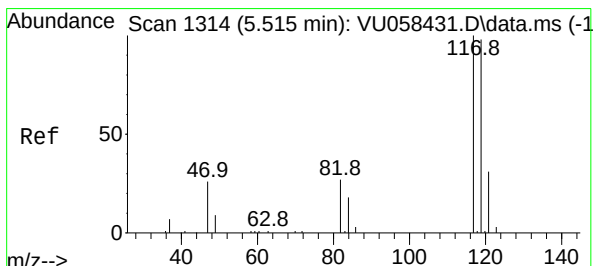
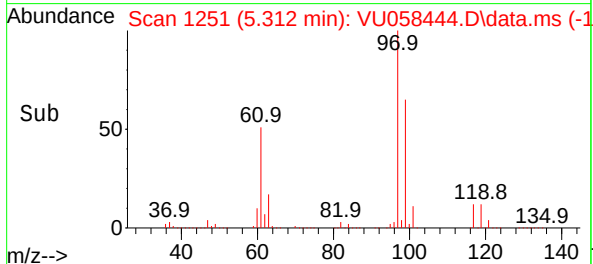
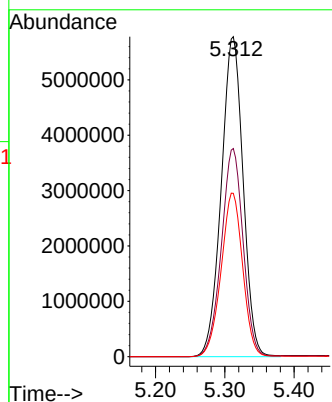
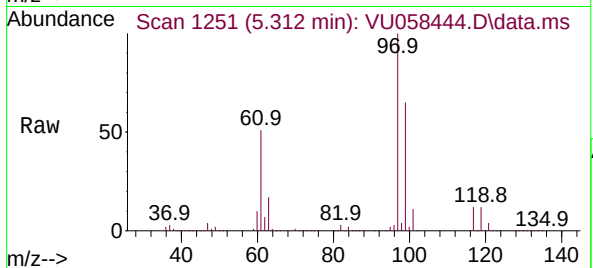




#29
1,1,1-Trichloroethane
Concen: 1265.341 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

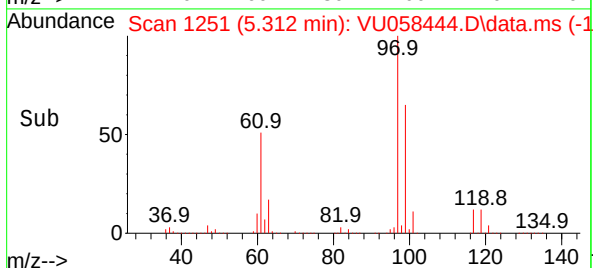
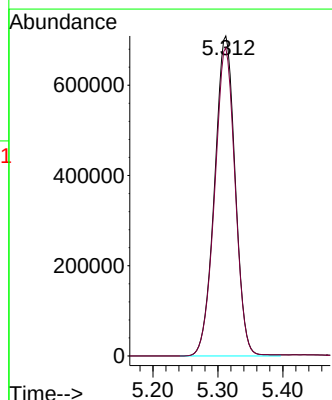
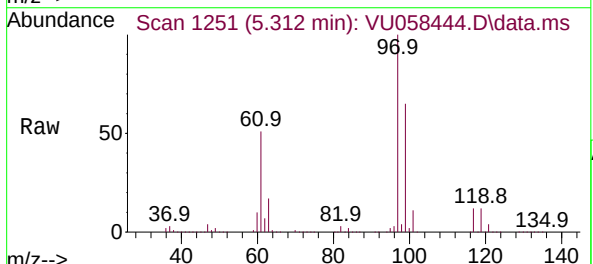
Instrument :
MSVOA_U
ClientSampleId :

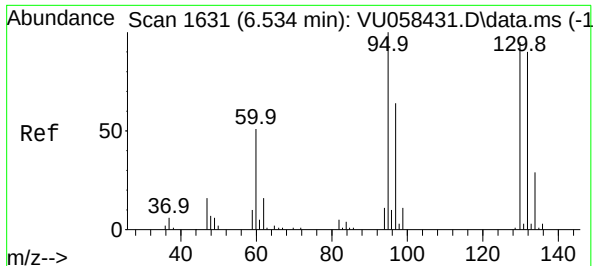
Tgt Ion: 97 Resp:12658156
Ion Ratio Lower Upper
97 100
99 64.9 50.4 75.6
61 50.6 39.4 59.0



#31
Carbon tetrachloride
Concen: 184.055 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.203 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

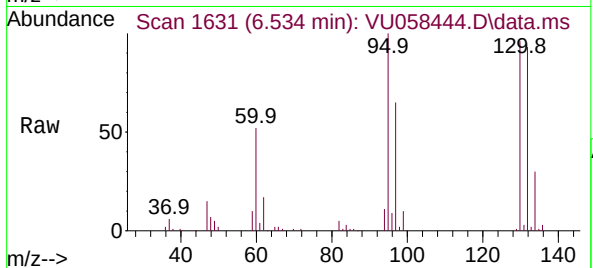
Tgt Ion:117 Resp: 1559312
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



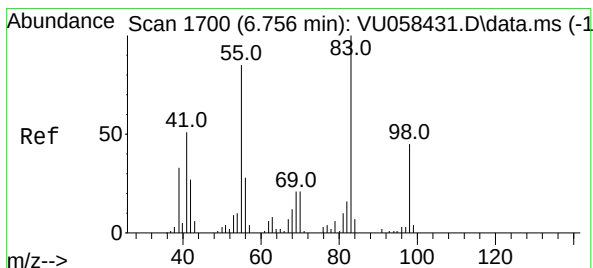
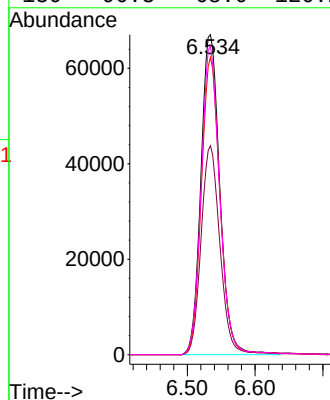
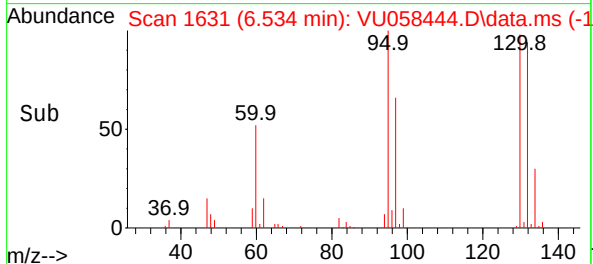


#34
Trichloroethene
Concen: 19.096 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

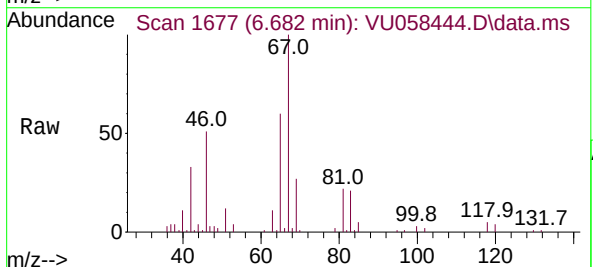
Instrument :
MSVOA_U
ClientSampleId :



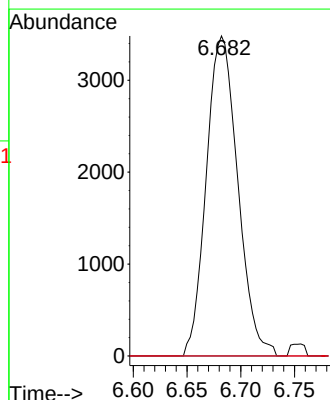
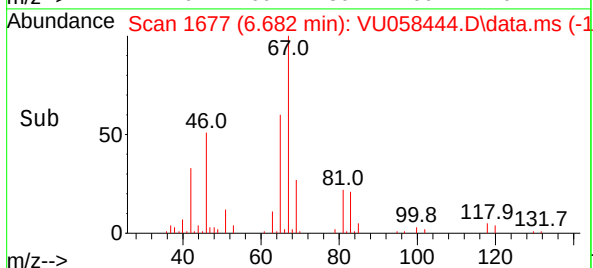
Tgt Ion: 95 Resp: 130190
Ion Ratio Lower Upper
95 100
97 65.3 45.6 84.6
132 92.9 64.8 120.3
130 96.3 68.0 126.2

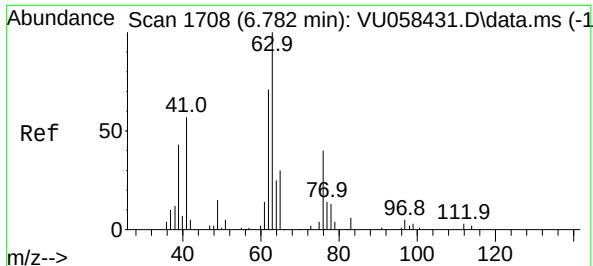


#35
Methylcyclohexane
Concen: 0.691 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22



Tgt Ion: 83 Resp: 7097
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 0.0 34.6 52.0#

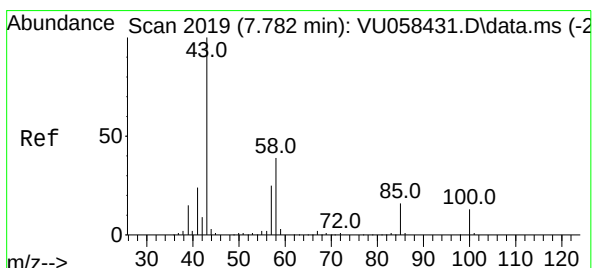
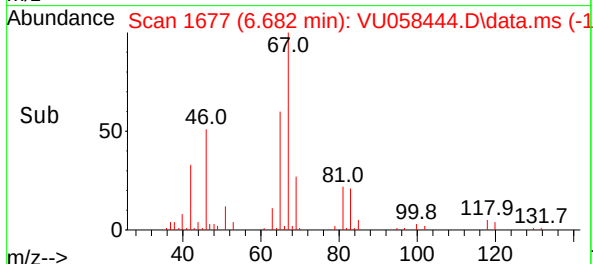
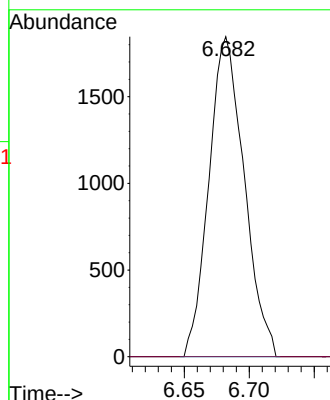
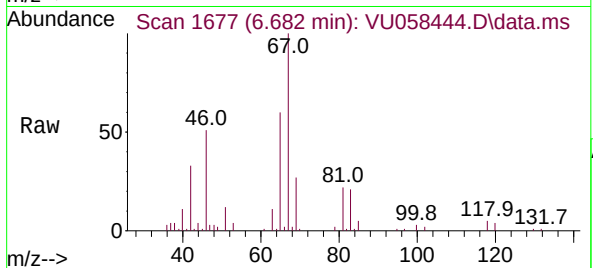




#37
1,2-Dichloropropane
Concen: 0.490 ug/L
RT: 6.682 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

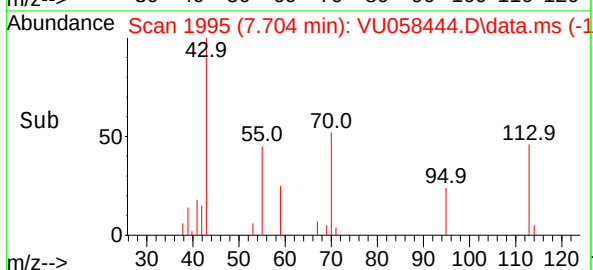
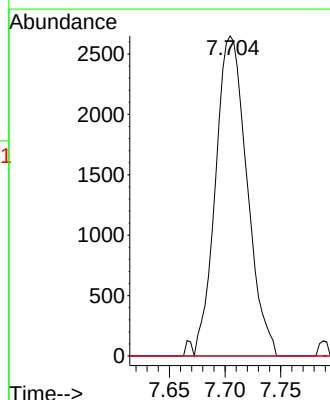
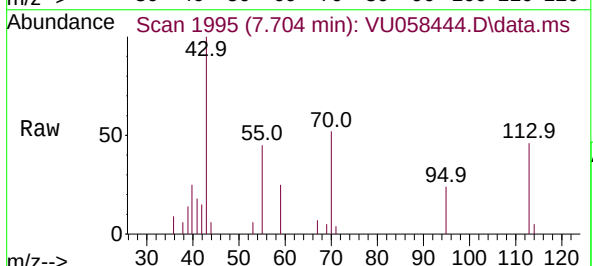
Instrument :
MSVOA_U
ClientSampleId :

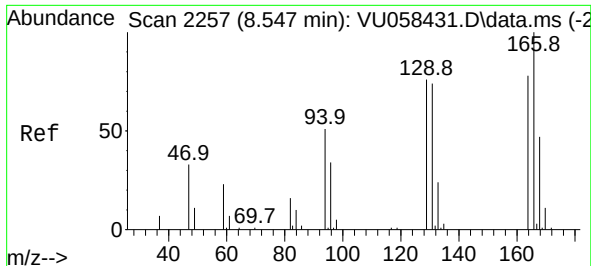
Tgt Ion: 63 Resp: 3484
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#40
4-Methyl-2-pentanone
Concen: 1.566 ug/L
RT: 7.704 min Scan# 1995
Delta R.T. -0.077 min
Lab File: VU058444.D
Acq: 06 Apr 2024 01:22

Tgt Ion: 43 Resp: 5246
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#
100 0.0 10.3 15.5#





#47

Tetrachloroethene

Concen: 0.927 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

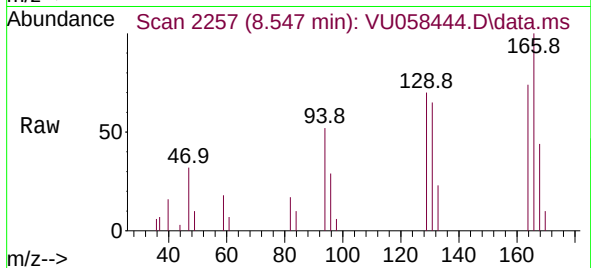
Lab File: VU058444.D

Acq: 06 Apr 2024 01:22

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 4631

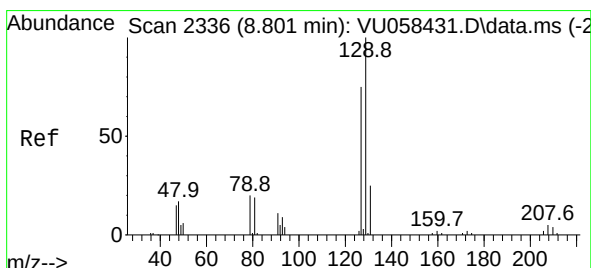
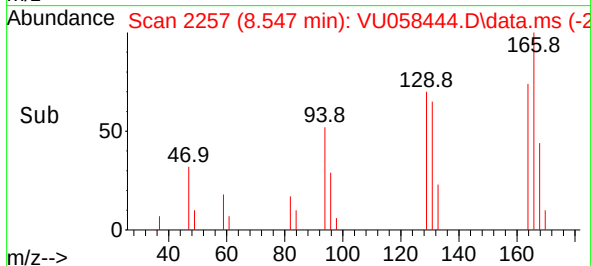
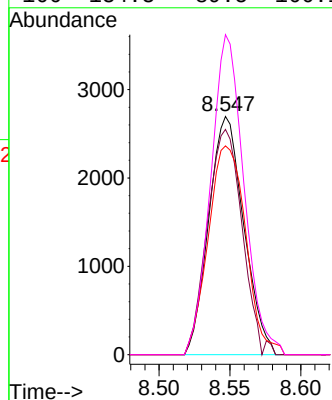
Ion Ratio Lower Upper

164 100

129 94.5 67.3 125.1

131 87.7 65.5 121.6

166 134.3 89.5 166.1



#49

Dibromochloromethane

Concen: 0.903 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU058444.D

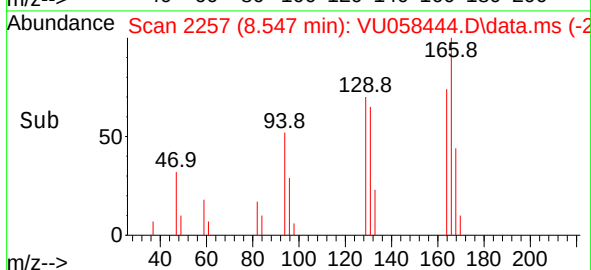
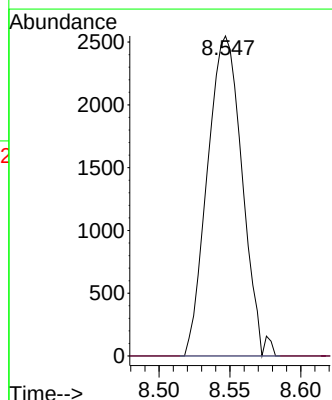
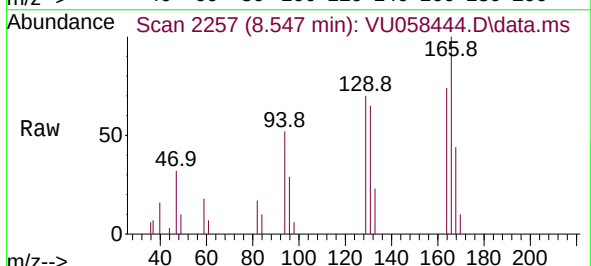
Acq: 06 Apr 2024 01:22

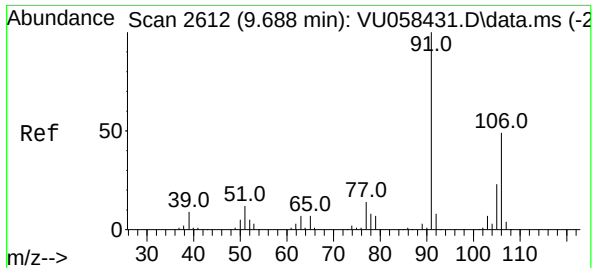
Tgt Ion:129 Resp: 4339

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#





#53
 m,p-Xylene
 Concen: 0.145 ug/L
 RT: 9.691 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU058444.D
 Acq: 06 Apr 2024 01:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:106 Resp: 1557
 Ion Ratio Lower Upper
 106 100
 91 234.7 147.8 274.4

