

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056787.D
 Acq On : 12 Dec 2023 15:43
 Operator : MD/SY
 Sample : 05683-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:33:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239448	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244483	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127410	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94661	4.612	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.200%
7) Chloroethane-d5	1.908	69	71516	4.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.563	65	41981	4.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.618	46	207234	51.127	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.260%
24) Chloroform-d	5.055	84	217990	5.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.200%
26) 1,2-Dichloroethane-d4	5.698	65	95822	5.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.721	84	375189	4.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.682	67	116907	4.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	309161	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.174	79	43561	4.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.627	63	177500	51.129	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.260%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	85320	4.968	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	121253	4.841	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	4.660	96	9531	0.444	ug/L	88
25) Chloroform	5.081	83	565839	14.246	ug/L	99
31) Carbon tetrachloride	5.518	117	1591395	51.810	ug/L	100
34) Trichloroethene	6.541	95	9704	0.412	ug/L	95
35) Methylcyclohexane	6.682	83	27175	0.781	ug/L	# 18
37) 1,2-Dichloropropane	6.682	63	13132	0.597	ug/L	# 88
47) Tetrachloroethene	8.550	164	8847	0.536	ug/L	93
48) 2-Hexanone	8.682	43	5384	0.724	ug/L	# 76
49) Dibromochloromethane	8.550	129	8423	0.493	ug/L	# 11
51) Chlorobenzene	9.441	112	244116	4.308	ug/L	98
61) 1,2,3-Trichloropropane	11.740	75	428768	31.342	ug/L	# 49
64) 1,3-Dichlorobenzene	11.740	146	1243416	26.112	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	3399460	72.502	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	3362534	77.515	ug/L	98
69) 1,3,5-Trichlorobenzene	13.833	180	109178	3.034	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	109178	3.832	ug/L	96
72) 1,2,3-Trichlorobenzene	14.325	180	49113	2.030	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 00:30:00 2023
Response via : Initial Calibration

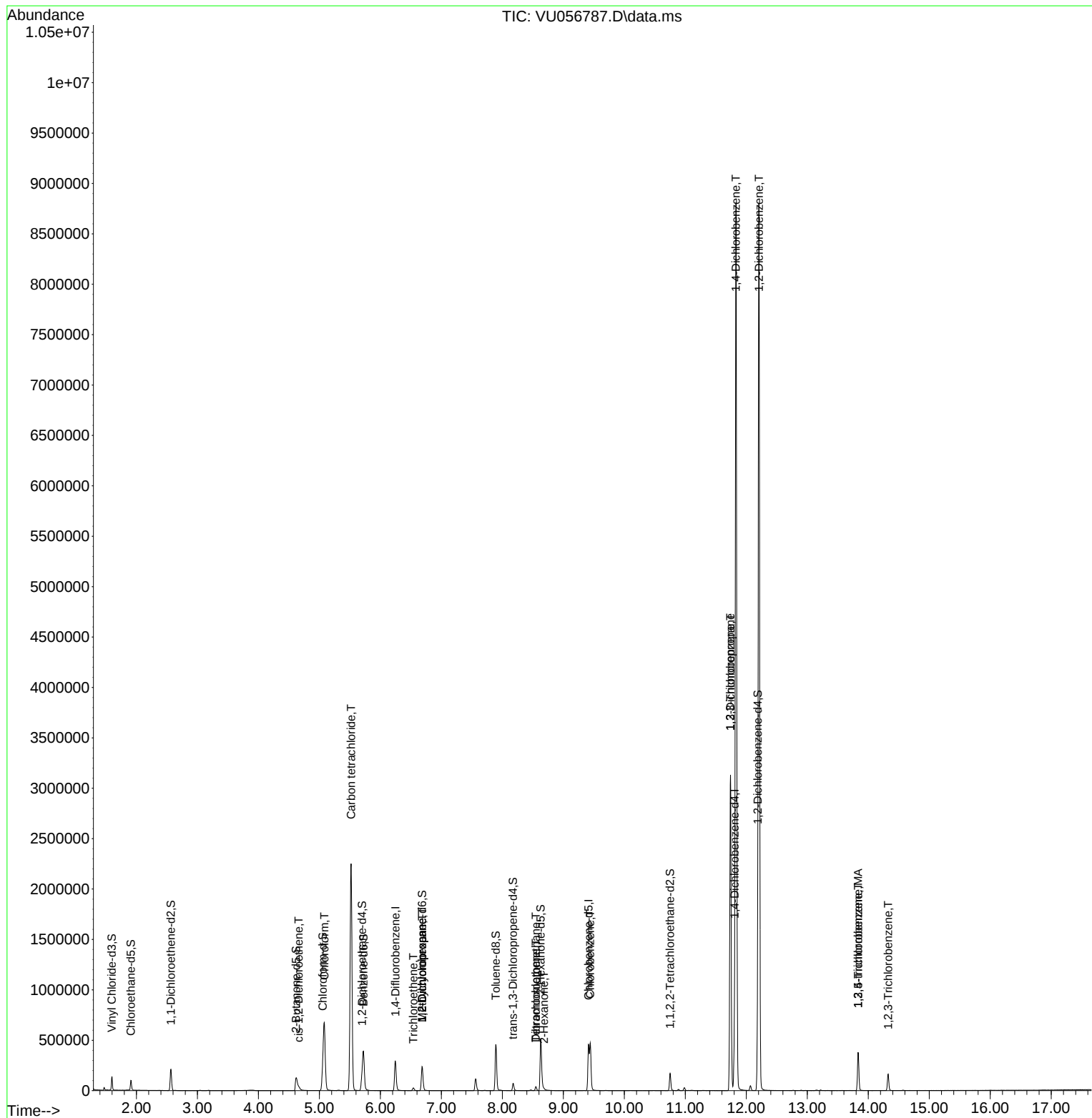
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

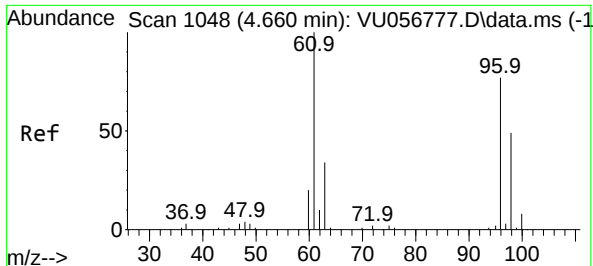
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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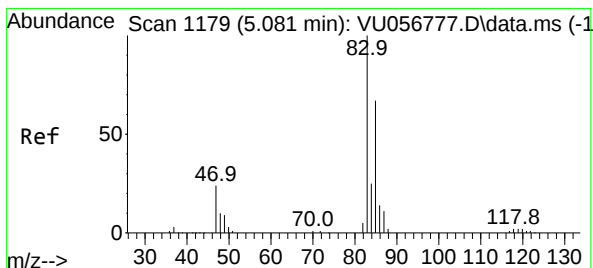
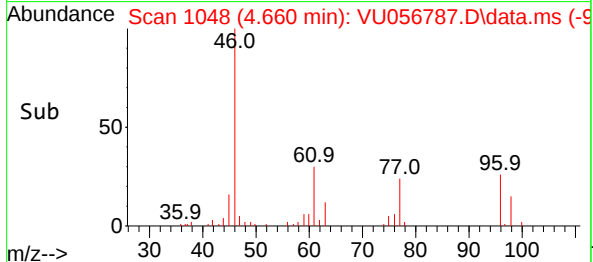
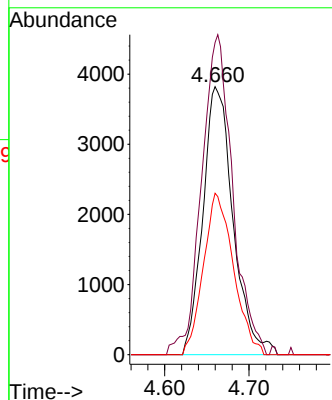
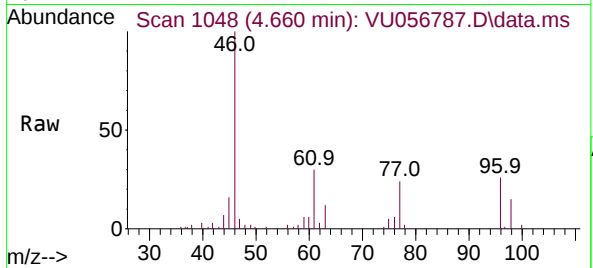




#22
 cis-1,2-Dichloroethene
 Concen: 0.444 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43

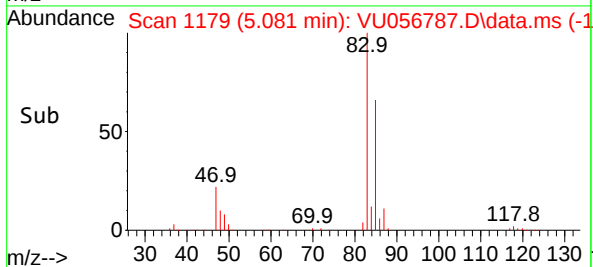
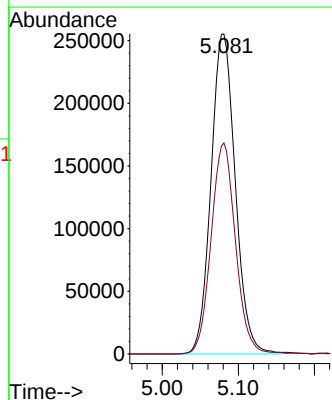
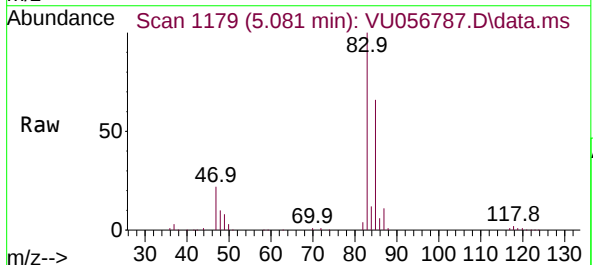
Instrument :
 MSVOA_U
 ClientSampleId :

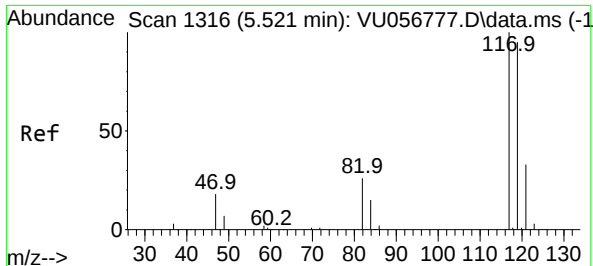
Tgt Ion: 96 Resp: 9531
 Ion Ratio Lower Upper
 96 100
 61 113.2 91.3 169.6
 98 58.5 44.2 82.0



#25
 Chloroform
 Concen: 14.246 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.000 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43

Tgt Ion: 83 Resp: 565839
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.8 85.0

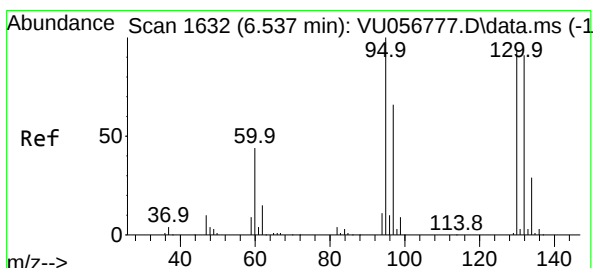
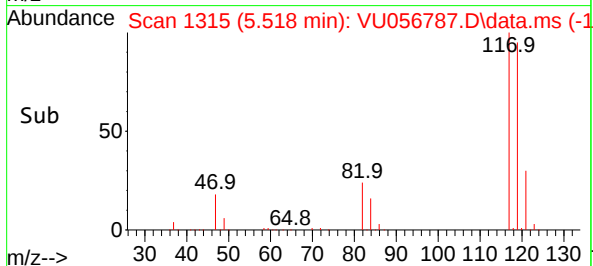
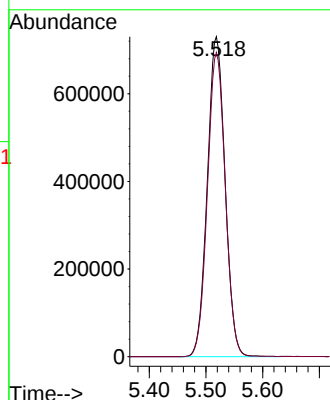
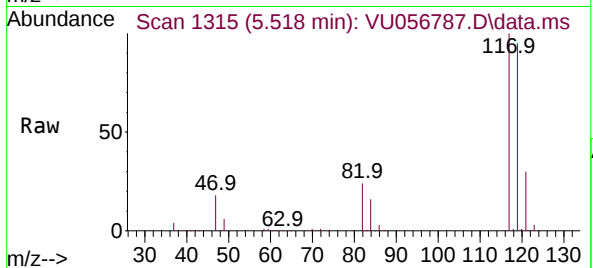




#31
Carbon tetrachloride
Concen: 51.810 ug/L
RT: 5.518 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

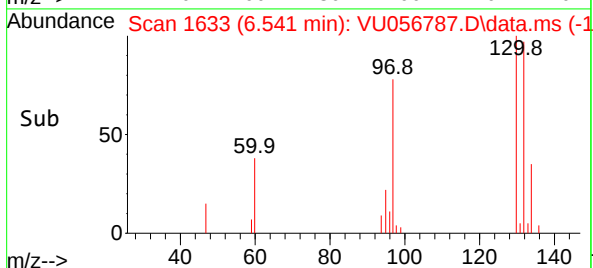
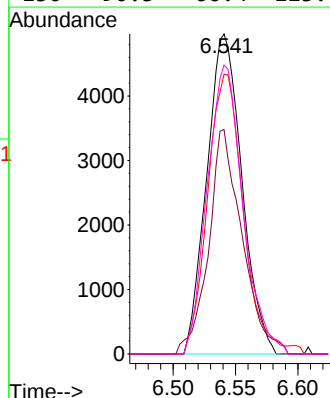
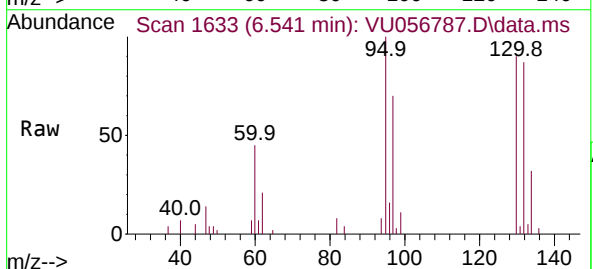
Instrument :
MSVOA_U
ClientSampleId :

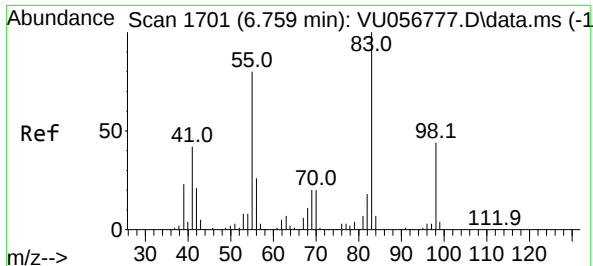
Tgt Ion:117 Resp: 1591395
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4



#34
Trichloroethene
Concen: 0.412 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

Tgt Ion: 95 Resp: 9704
Ion Ratio Lower Upper
95 100
97 70.2 46.1 85.5
132 87.4 63.6 118.0
130 90.3 66.4 123.4





#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.077 min

Lab File: VU056787.D

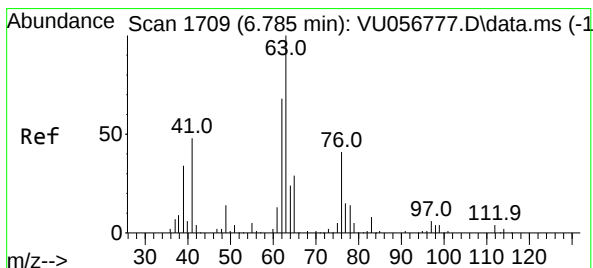
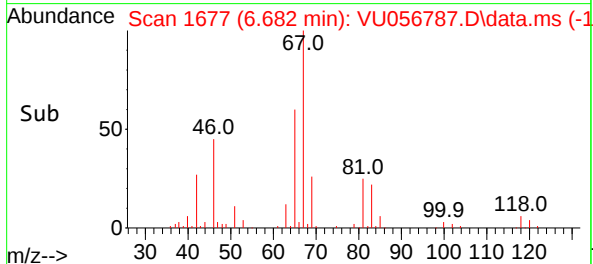
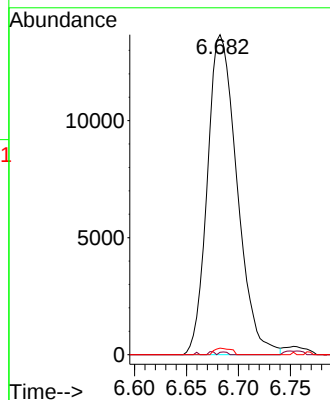
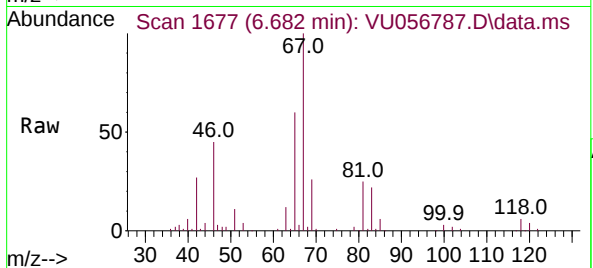
Acq: 12 Dec 2023 15:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	27175
Ion Ratio	Lower	Upper	
83	100		
55	0.2	64.6	97.0#
98	1.1	36.1	54.1#



#37

1,2-Dichloropropane

Concen: 0.597 ug/L

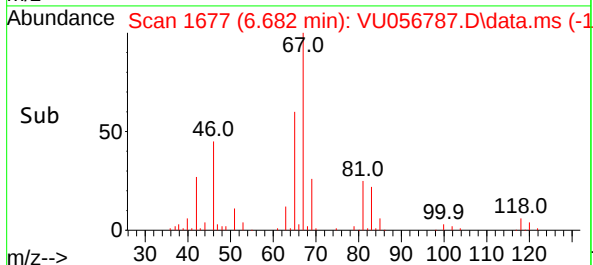
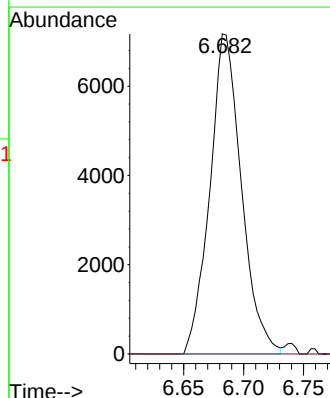
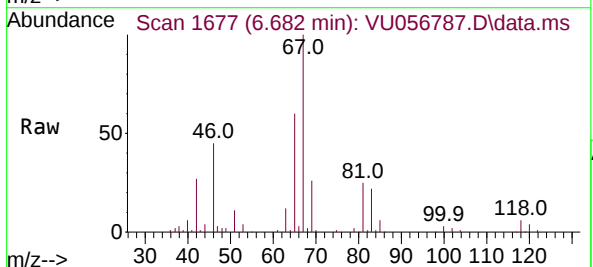
RT: 6.682 min Scan# 1677

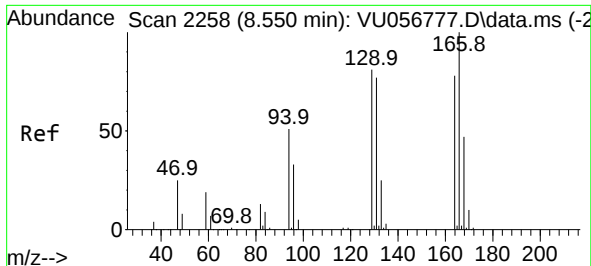
Delta R.T. -0.103 min

Lab File: VU056787.D

Acq: 12 Dec 2023 15:43

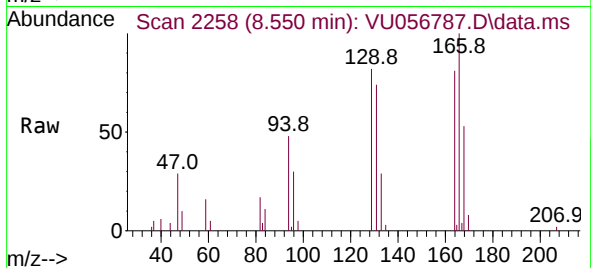
Tgt Ion:	63	Resp:	13132
Ion Ratio	Lower	Upper	
63	100		
112	0.2	3.3	4.9#



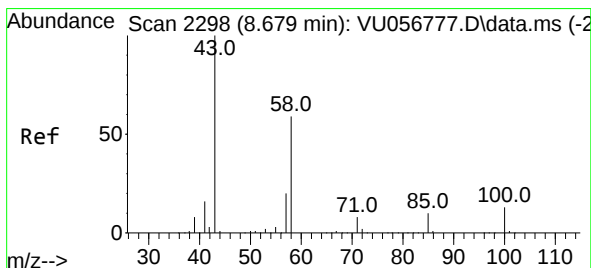
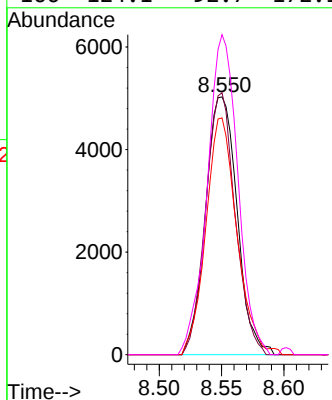
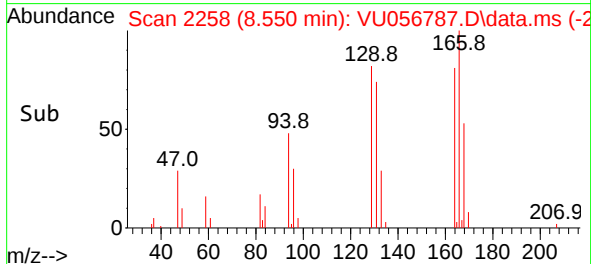


#47
Tetrachloroethene
Concen: 0.536 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

Instrument :
MSVOA_U
ClientSampleId :

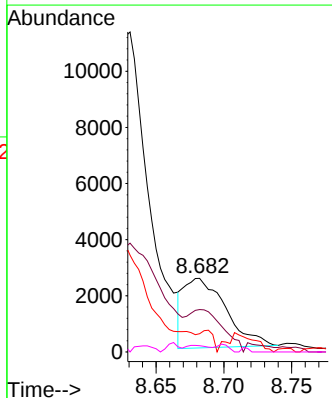
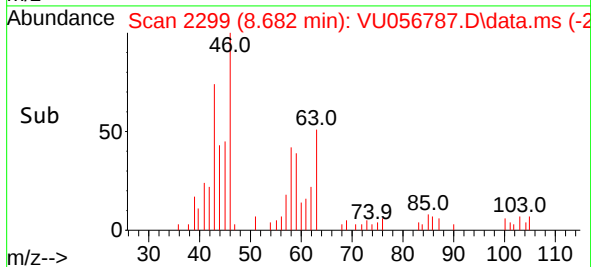
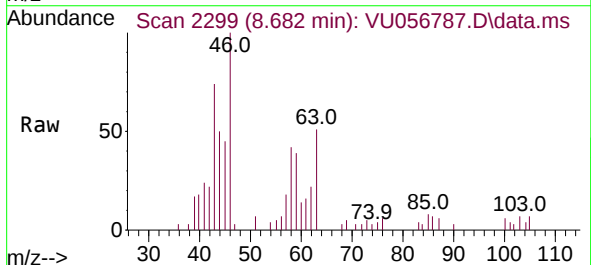


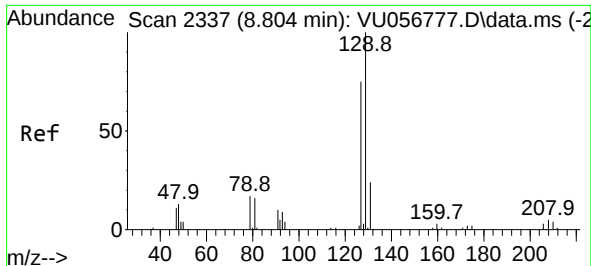
Tgt Ion:	164	Resp:	8847
Ion	Ratio	Lower	Upper
164	100		
129	101.6	73.4	136.4
131	91.8	71.5	132.9
166	124.1	92.7	172.1



#48
2-Hexanone
Concen: 0.724 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

Tgt Ion:	43	Resp:	5384
Ion	Ratio	Lower	Upper
43	100		
58	45.8	47.5	71.3#
57	0.0	17.0	25.4#
100	5.1	9.8	14.8#

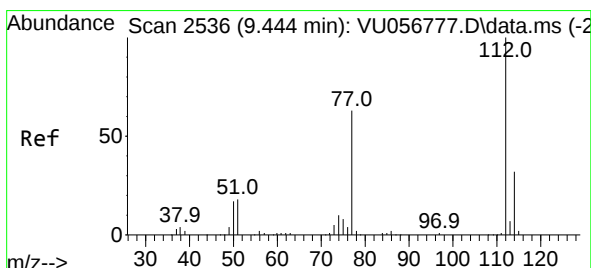
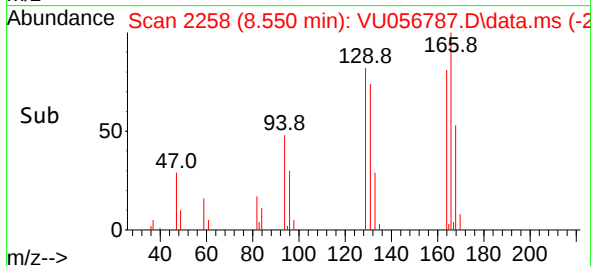
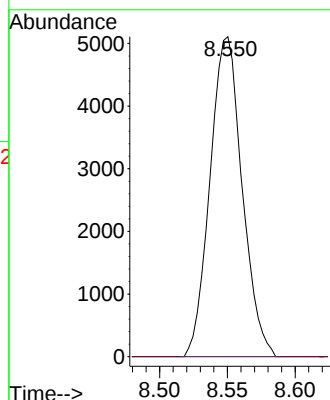
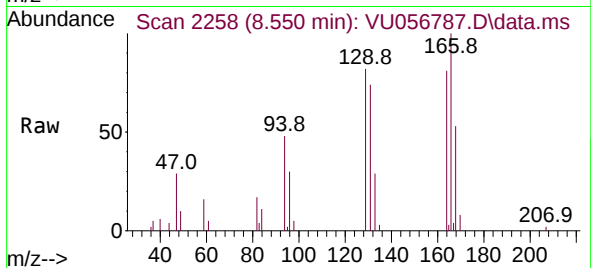




#49
Dibromochloromethane
Concen: 0.493 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

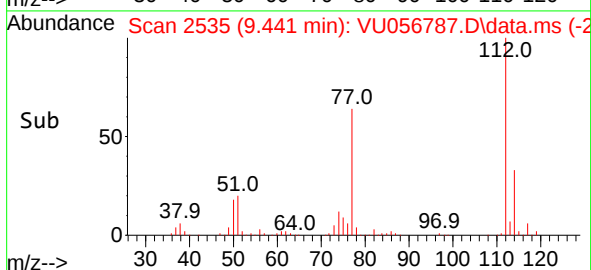
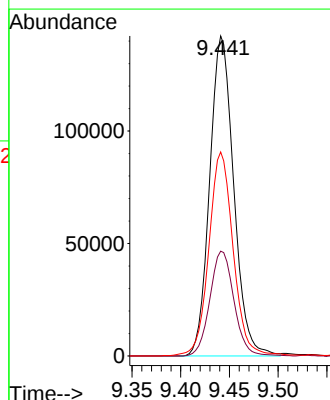
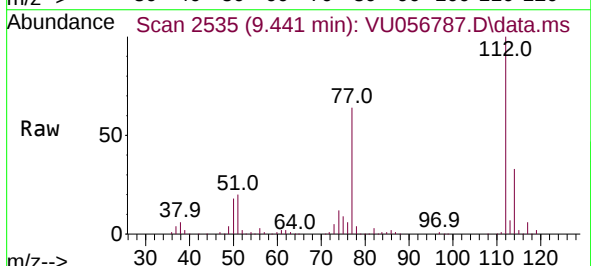
Instrument :
MSVOA_U
ClientSampleId :

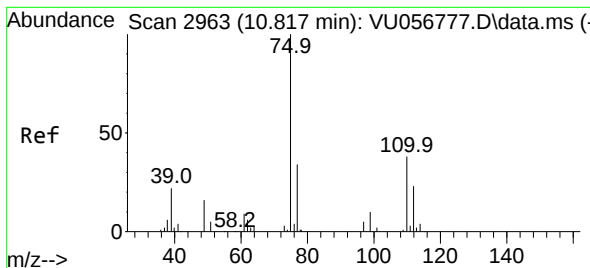
Tgt Ion:129 Resp: 8423
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#



#51
Chlorobenzene
Concen: 4.308 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

Tgt Ion:112 Resp: 244116
Ion Ratio Lower Upper
112 100
114 32.8 21.9 40.7
77 63.7 51.6 77.4





#61

1,2,3-Trichloropropane

Concen: 31.342 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU056787.D

Acq: 12 Dec 2023 15:43

Instrument :

MSVOA_U

ClientSampleId :

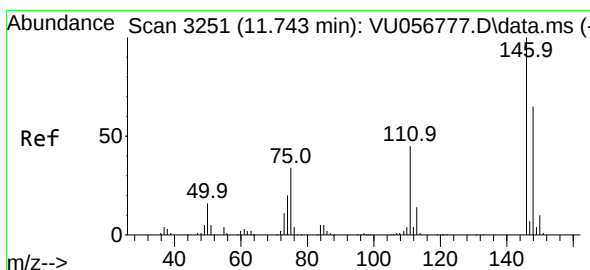
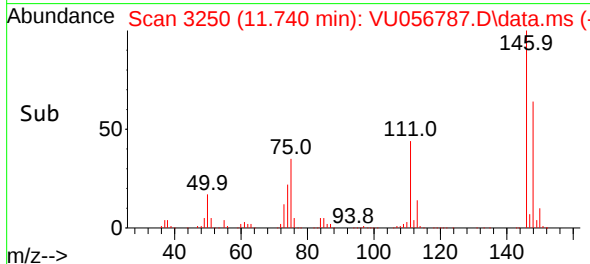
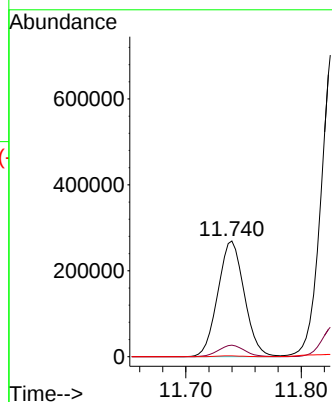
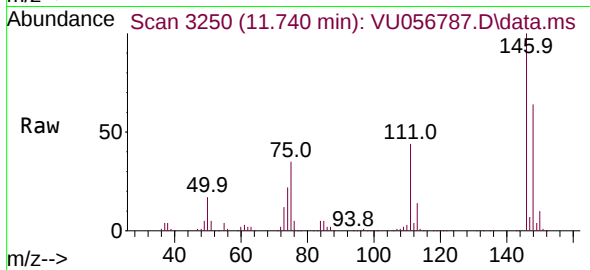
Tgt Ion: 75 Resp: 428768

Ion Ratio Lower Upper

75 100

110 9.9 28.4 42.6#

77 0.0 26.3 39.5#



#64

1,3-Dichlorobenzene

Concen: 26.112 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VU056787.D

Acq: 12 Dec 2023 15:43

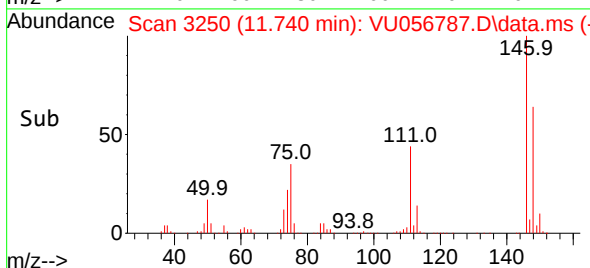
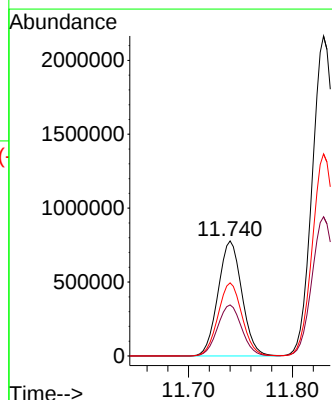
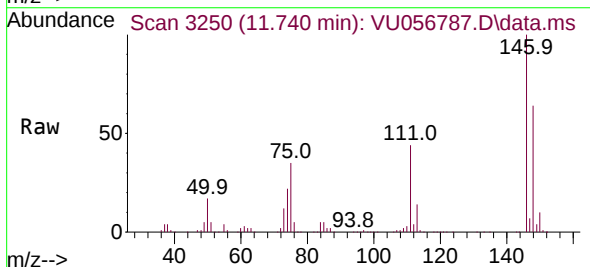
Tgt Ion:146 Resp: 1243416

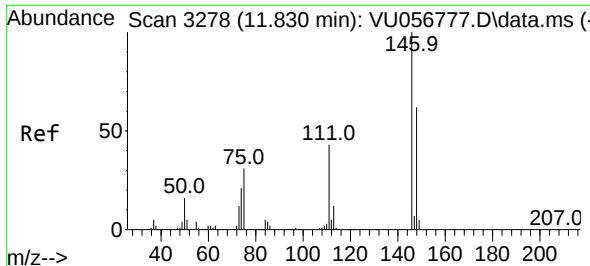
Ion Ratio Lower Upper

146 100

111 44.3 31.7 58.9

148 63.6 44.3 82.3

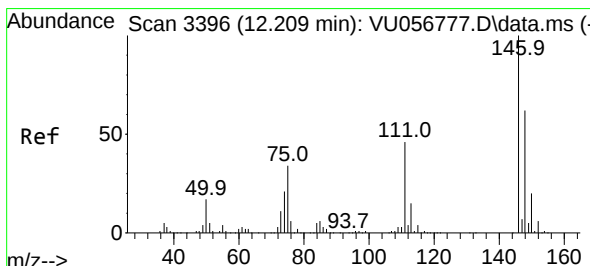
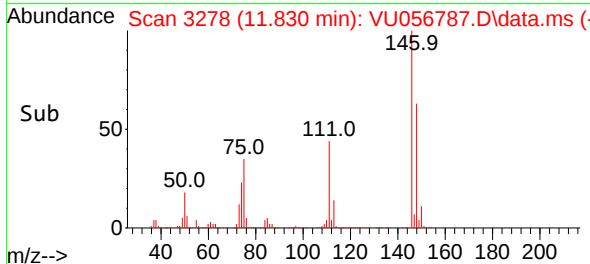
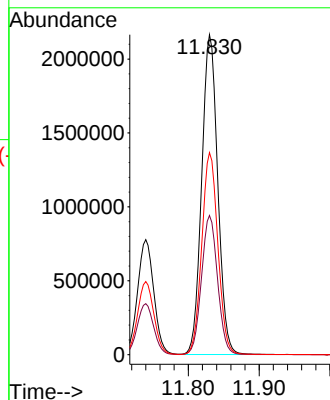
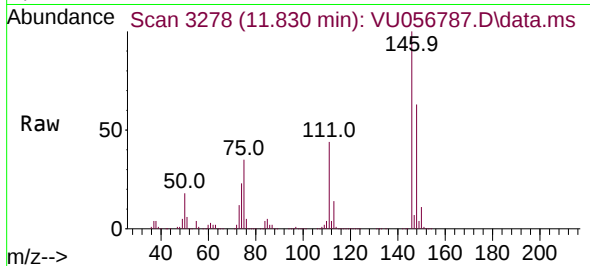




#65
1,4-Dichlorobenzene
Concen: 72.502 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

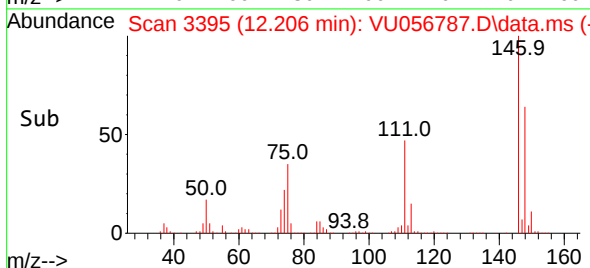
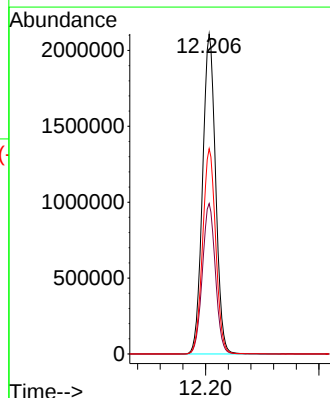
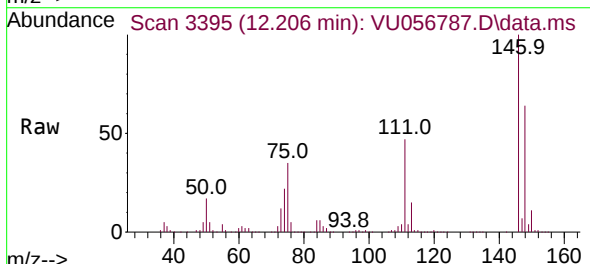
Instrument :
MSVOA_U
ClientSampleId :

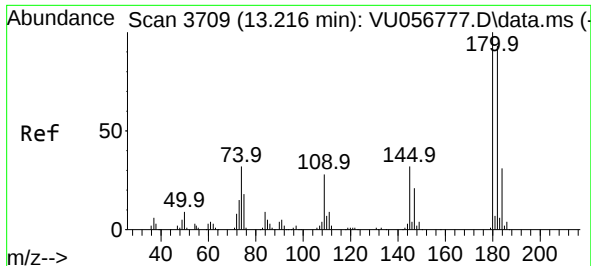
Tgt Ion:146 Resp: 3399460
Ion Ratio Lower Upper
146 100
111 43.5 31.2 58.0
148 63.2 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 77.515 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

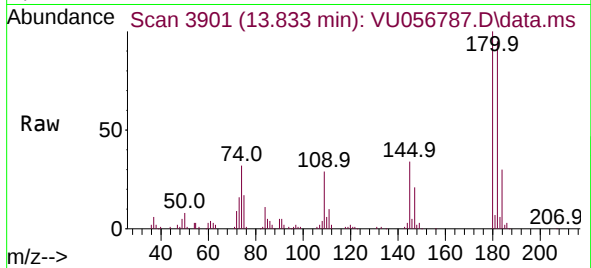
Tgt Ion:146 Resp: 3362534
Ion Ratio Lower Upper
146 100
111 47.0 36.9 55.3
148 64.2 53.0 79.4



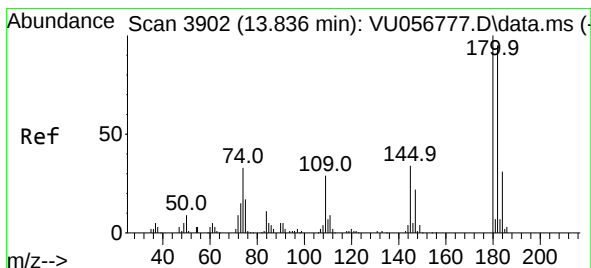
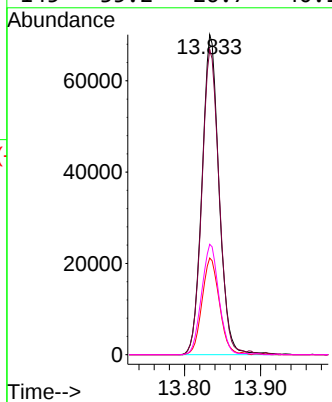
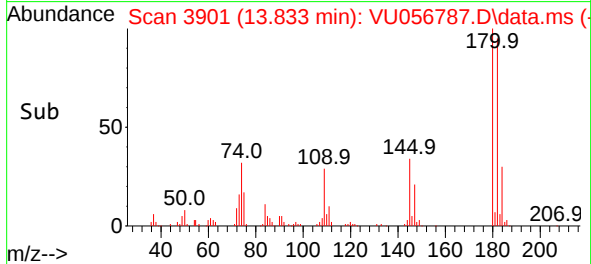


#69
 1,3,5-Trichlorobenzene
 Concen: 3.034 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.617 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43

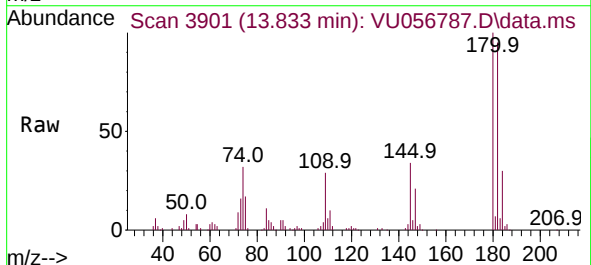
Instrument :
 MSVOA_U
 ClientSampleId :



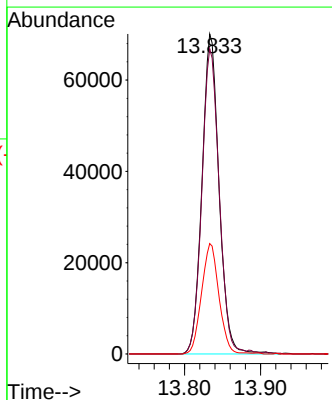
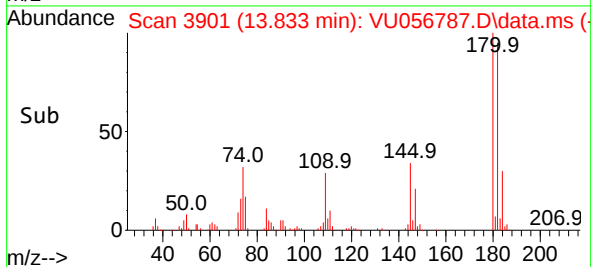
Tgt Ion:180 Resp: 109178
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.4
 184 30.8 24.6 37.0
 145 35.2 26.7 40.1

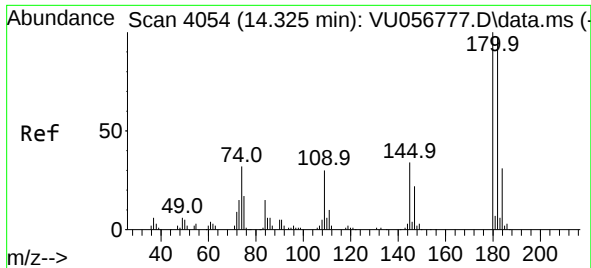


#70
 1,2,4-trichlorobenzene
 Concen: 3.832 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43



Tgt Ion:180 Resp: 109178
 Ion Ratio Lower Upper
 180 100
 182 96.5 74.3 111.5
 145 35.2 26.7 40.1





#72

1,2,3-Trichlorobenzene

Concen: 2.030 ug/L

RT: 14.325 min Scan# 40

Delta R.T. 0.000 min

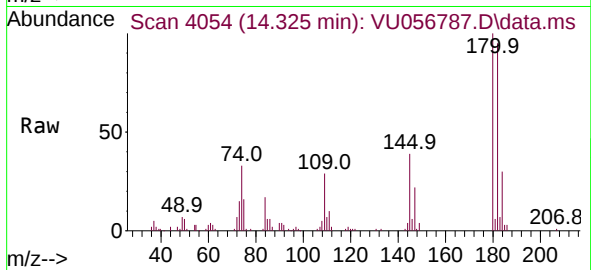
Lab File: VU056787.D

Acq: 12 Dec 2023 15:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 49113

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.6

145 37.4 28.6 42.8

