

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 :
 E06J9

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)

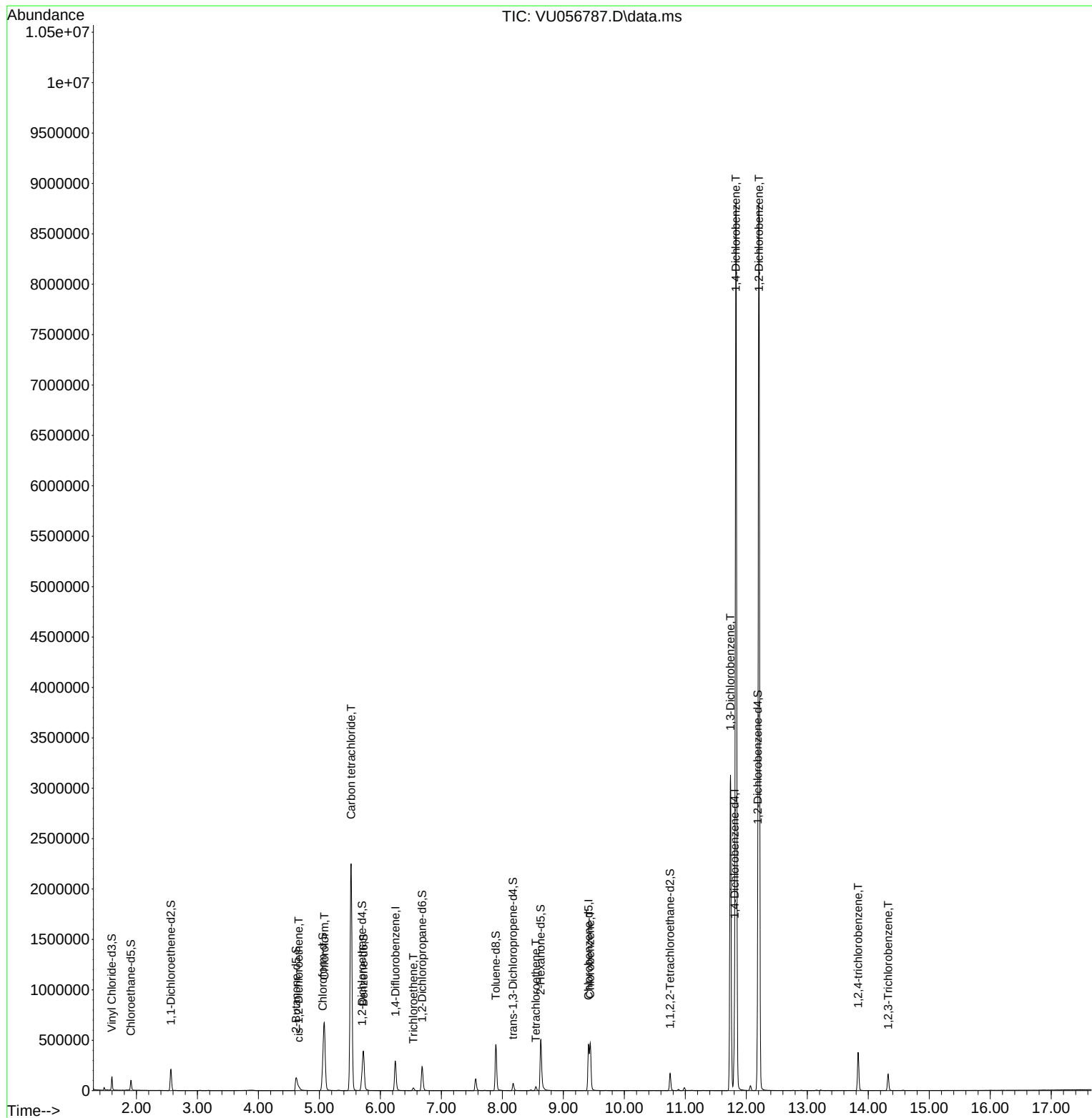
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239448	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244483	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127410	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94661	4.612	ug/L	0.00
Spiked Amount	5.000	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
47) Tetrachloroethene	8.550	164	8847	0.536	ug/L	93
51) Chlorobenzene	9.441	112	244116	4.308	ug/L	98
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
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

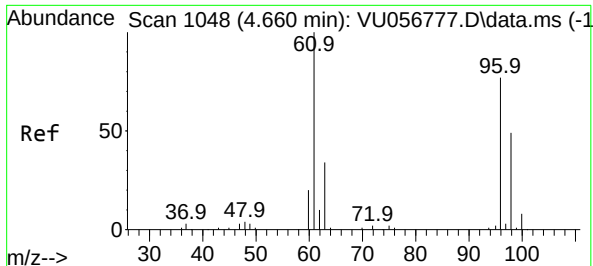
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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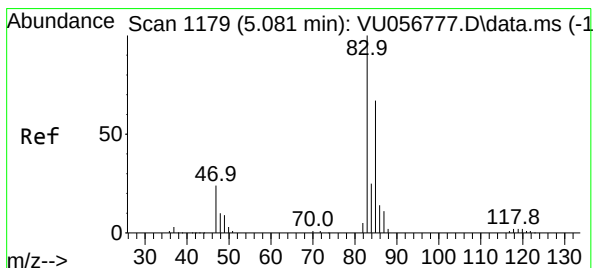
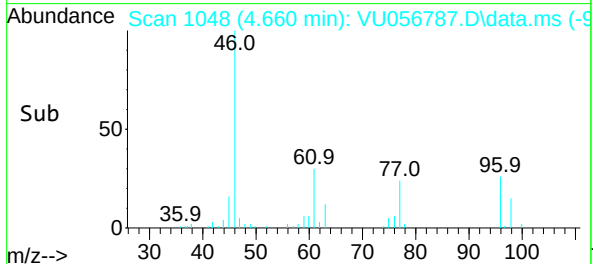
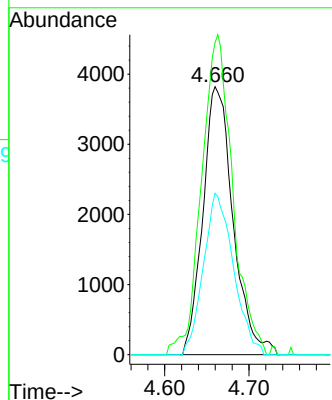
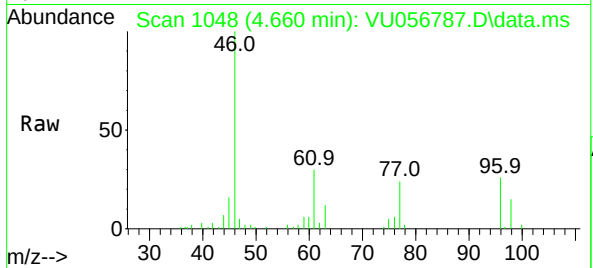




#22
 cis-1,2-Dichloroethene
 Concen: 0.444 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43

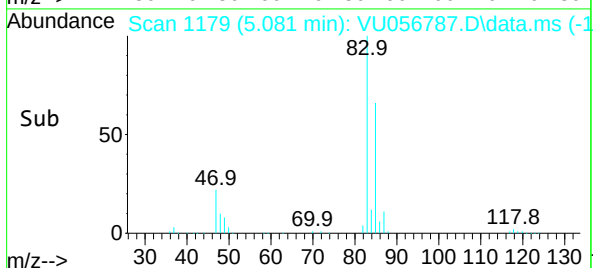
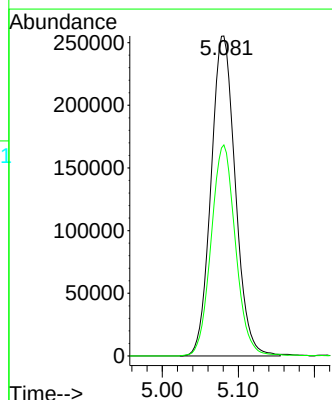
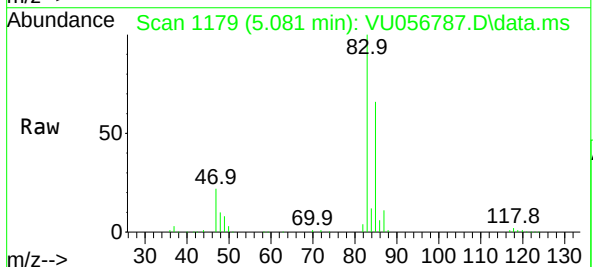
Instrument :
 MSVOA_U
 ClientSampleId :
 E06J9

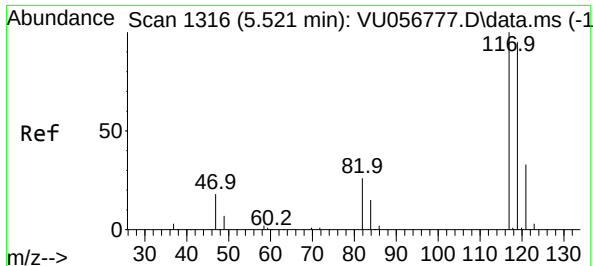
Tgt Ion: 96 Resp: 9531
 Ion Ratio Lower Upper
 96 100
 61 113.2 91.3 169.6
 98 58.5 44.2 82.0



#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

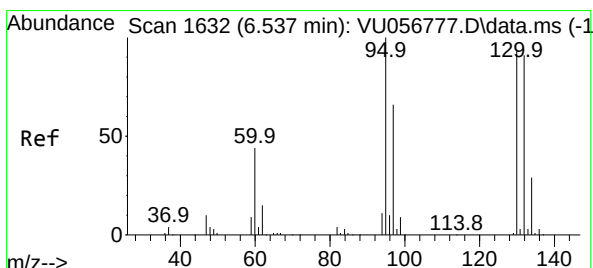
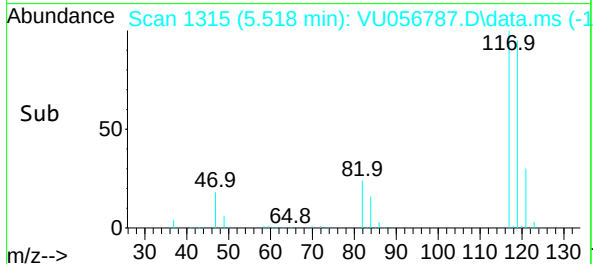
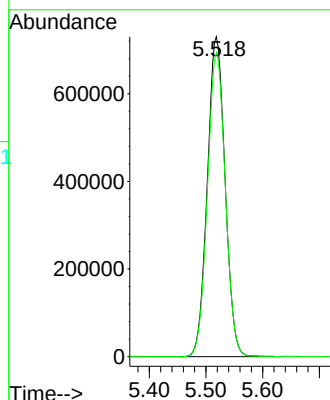
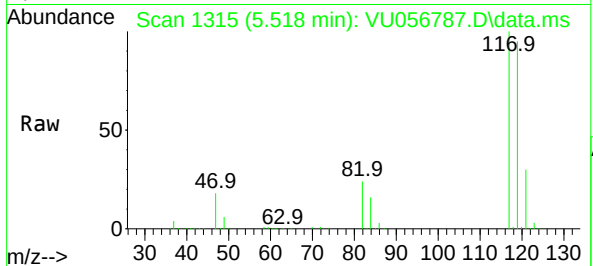




#31
Carbon tetrachloride
Concen: 51.810 ug/L
RT: 5.518 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

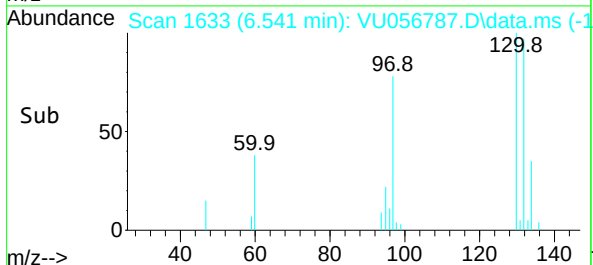
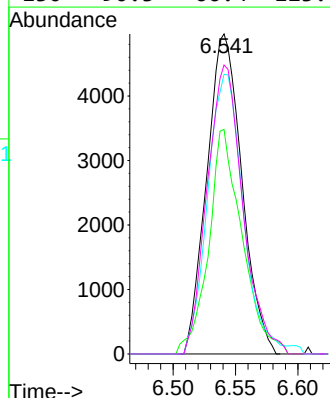
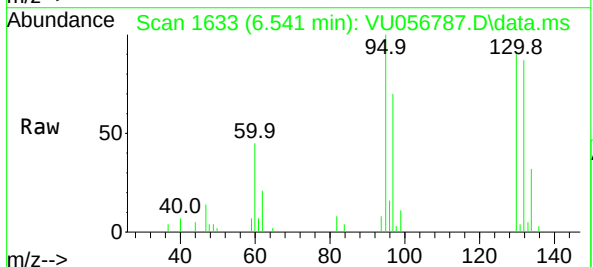
Instrument :
MSVOA_U
ClientSampleId :
E06J9

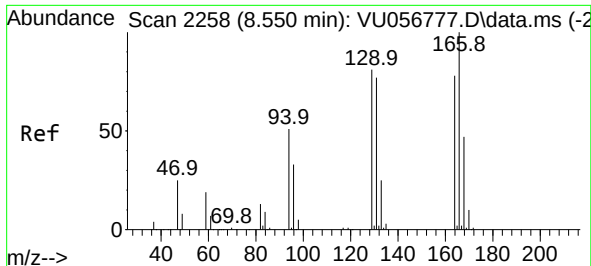
Tgt Ion:117 Resp: 1591395
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4



#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

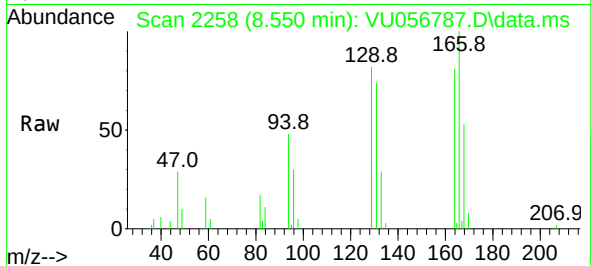
Tgt Ion: 95 Resp: 9704
Ion Ratio Lower Upper
95 100
97 70.2 46.1 85.5
132 87.4 63.6 118.0
130 90.3 66.4 123.4



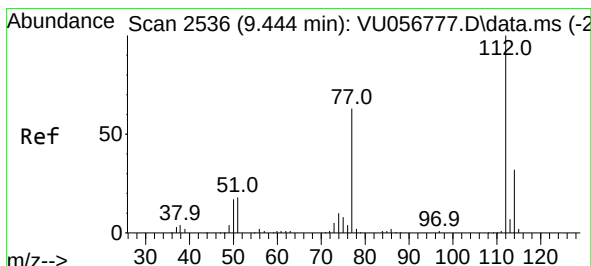
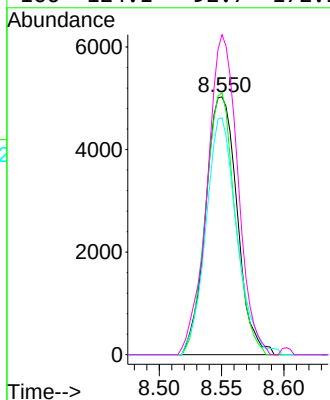
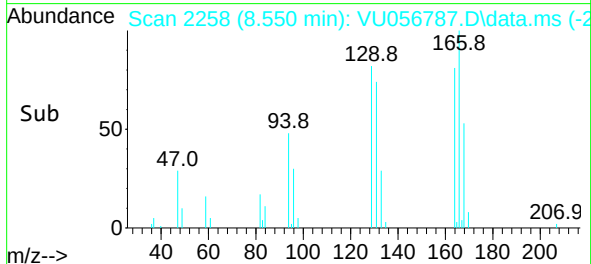


#47
Tetrachloroethene
Concen: 0.536 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

Instrument :
MSVOA_U
ClientSampleId :
E06J9

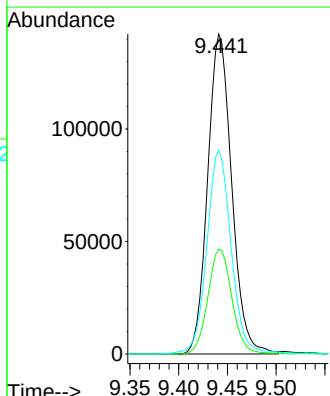
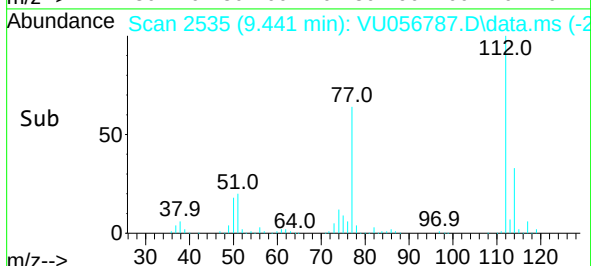
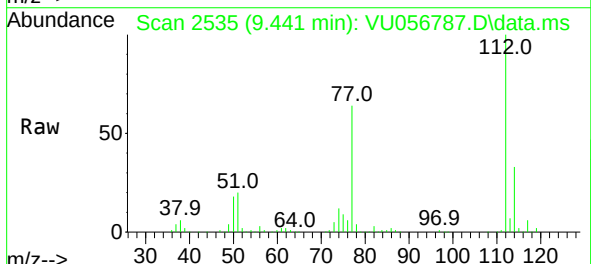


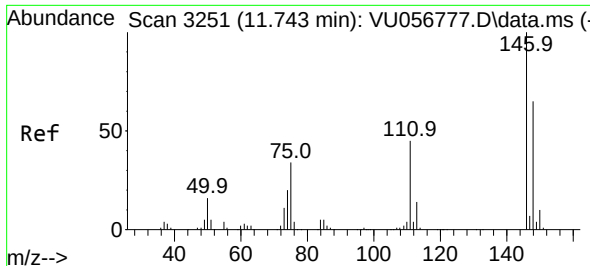
Tgt Ion:	164	Resp:	8847
Ion	Ratio	Lower	Upper
164	100		
129	101.6	73.4	136.4
131	91.8	71.5	132.9
166	124.1	92.7	172.1



#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

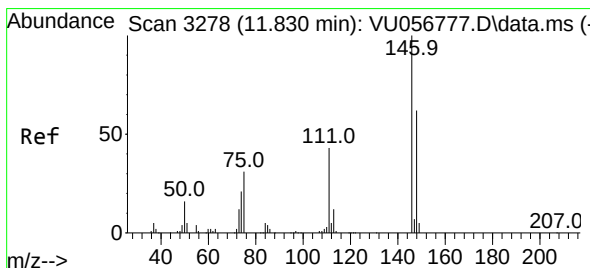
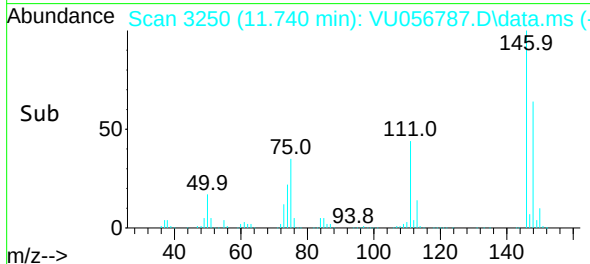
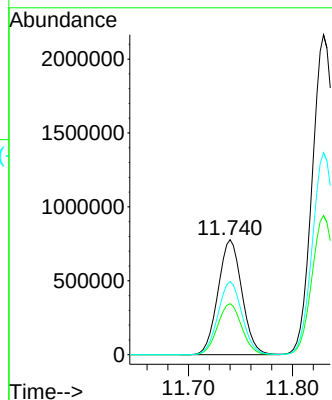
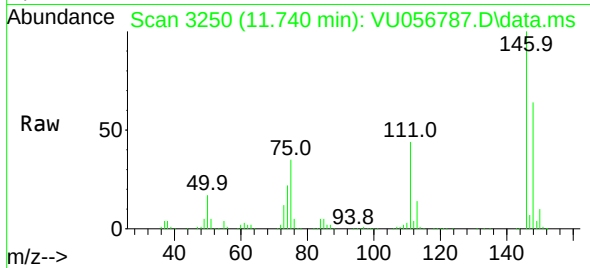




#64
1,3-Dichlorobenzene
Concen: 26.112 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

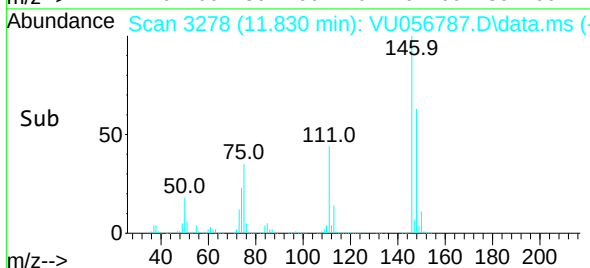
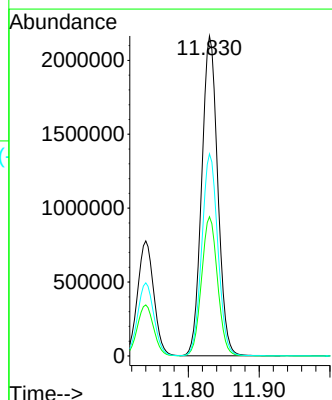
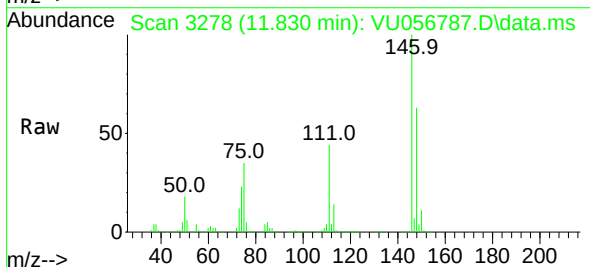
Instrument :
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ClientSampleId :
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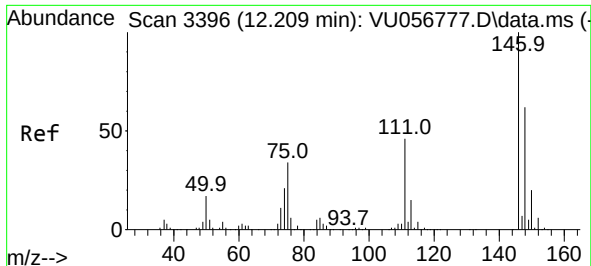
Tgt Ion:146 Resp: 1243416
Ion Ratio Lower Upper
146 100
111 44.3 31.7 58.9
148 63.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 72.502 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056787.D
Acq: 12 Dec 2023 15:43

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# 31

Delta R.T. -0.003 min

Lab File: VU056787.D

Acq: 12 Dec 2023 15:43

Instrument :

MSVOA_U

ClientSampleId :

E06J9

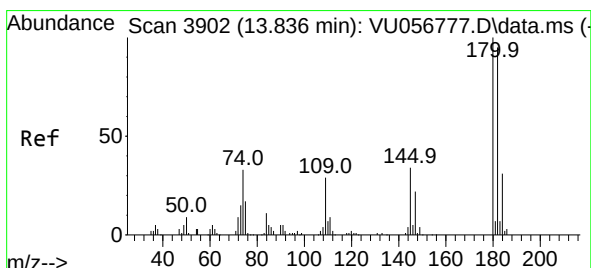
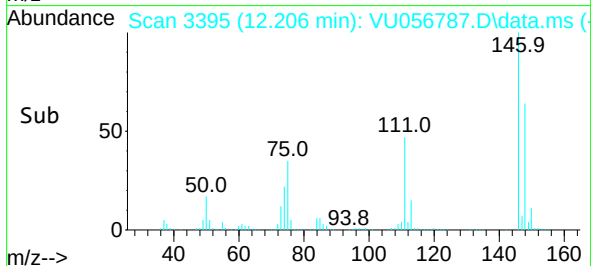
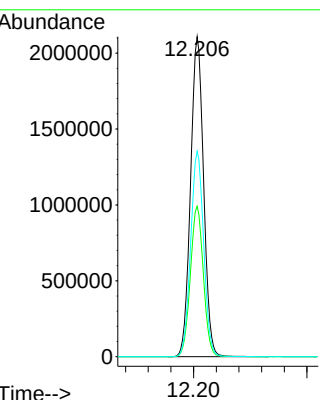
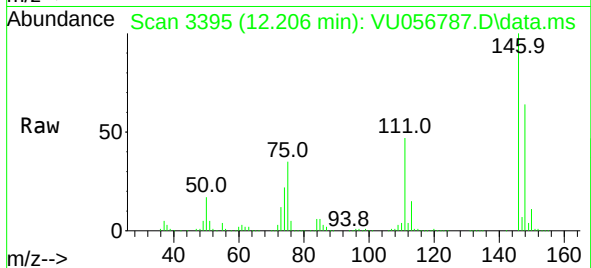
Tgt Ion:146 Resp: 3362534

Ion Ratio Lower Upper

146 100

111 47.0 36.9 55.3

148 64.2 53.0 79.4



#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

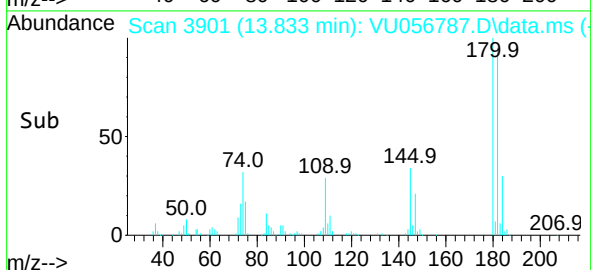
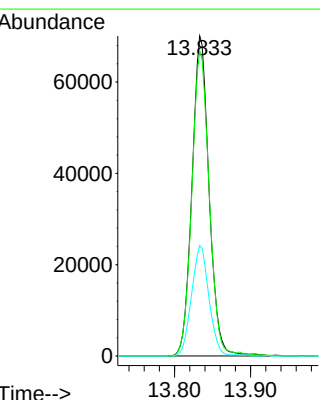
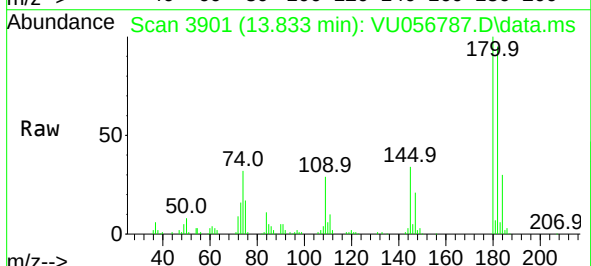
Tgt Ion:180 Resp: 109178

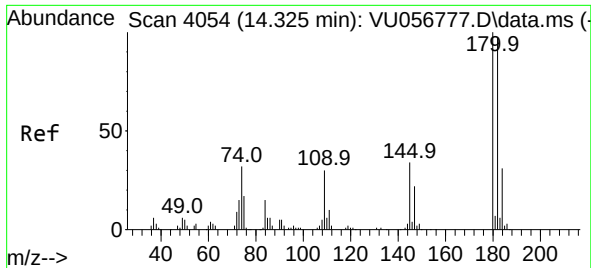
Ion Ratio Lower Upper

180 100

182 96.5 74.3 111.5

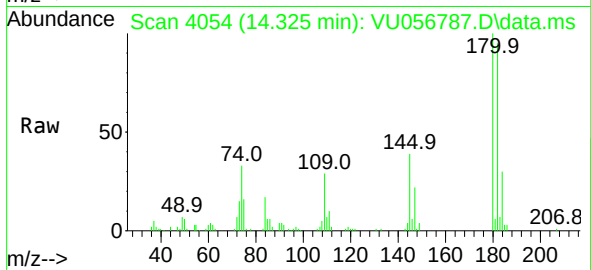
145 35.2 26.7 40.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.030 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU056787.D
 Acq: 12 Dec 2023 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J9



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

