

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056845.D
 Acq On : 14 Dec 2023 17:42
 Operator : MD/SY
 Sample : 05684-05DL 400X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:54:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

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

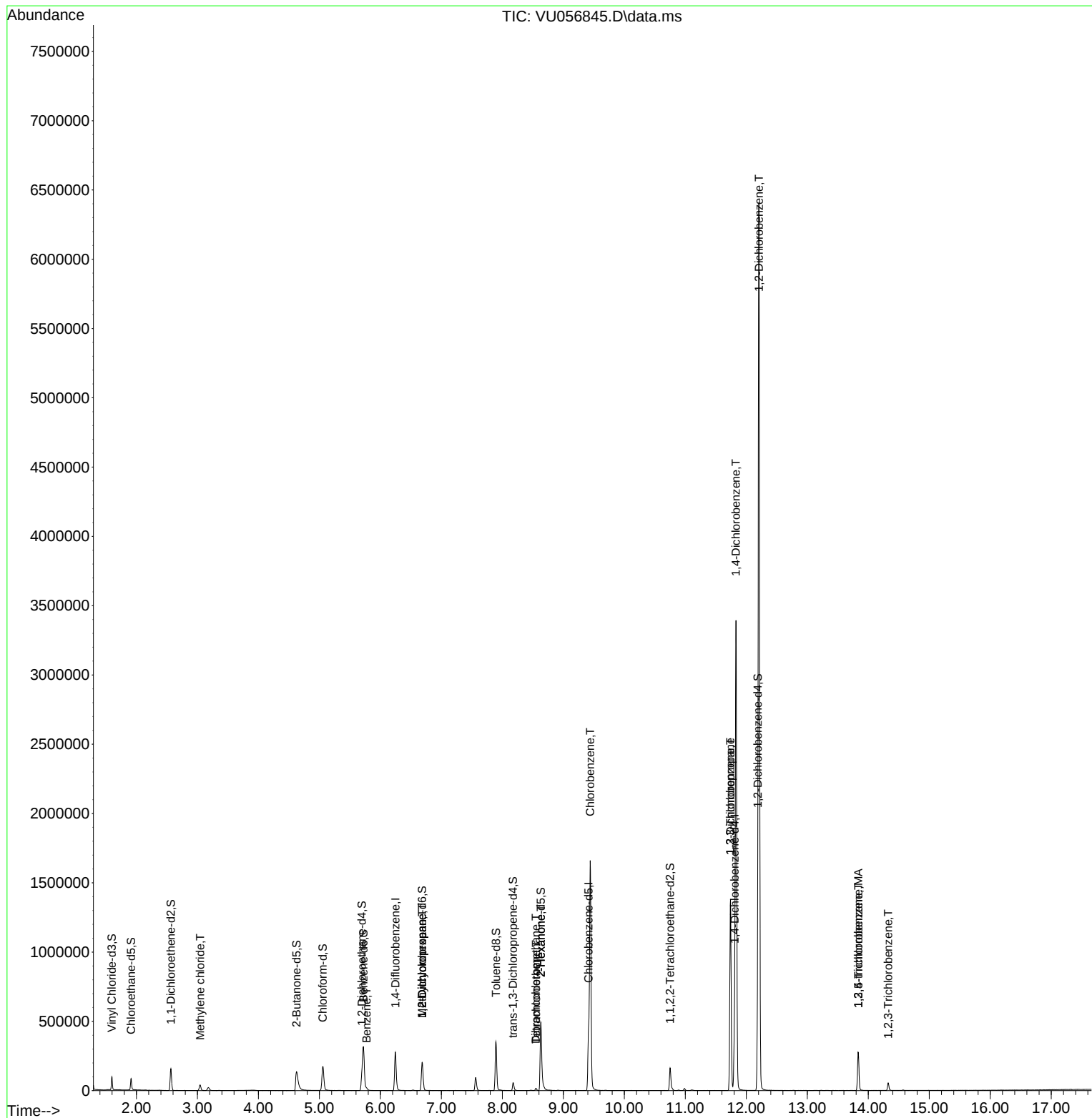
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	221456	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	114128	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66999	3.529	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.911	69	60404	4.252	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.563	65	29934	3.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.800%
20) 2-Butanone-d5	4.624	46	219023	58.425	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.860%
24) Chloroform-d	5.055	84	170476	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.695	65	86033	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.721	84	301239	4.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.685	67	102118	4.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.894	98	239783	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	8.174	79	35701	4.110	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.631	63	170150	51.942	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.880%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	83303	5.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	105189	4.689	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.042	84	21509	1.098	ug/L	96
33) Benzene	5.772	78	13870	0.171	ug/L	100
35) Methylcyclohexane	6.682	83	23875	0.727	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	11102	0.535	ug/L #	88
47) Tetrachloroethene	8.553	164	3319	0.213	ug/L	93
48) 2-Hexanone	8.631	43	21282	3.034	ug/L #	74
49) Dibromochloromethane	8.550	129	3960	0.246	ug/L #	11
51) Chlorobenzene	9.441	112	886628	16.583	ug/L	99
61) 1,2,3-Trichloropropane	11.740	75	184451	15.052	ug/L #	49
64) 1,3-Dichlorobenzene	11.740	146	553550	12.978	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	1316945	31.356	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	2498235	64.293	ug/L	99
69) 1,3,5-Trichlorobenzene	13.836	180	84669	2.627	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	84669	3.317	ug/L	96
72) 1,2,3-Trichlorobenzene	14.325	180	17270	0.797	ug/L	94

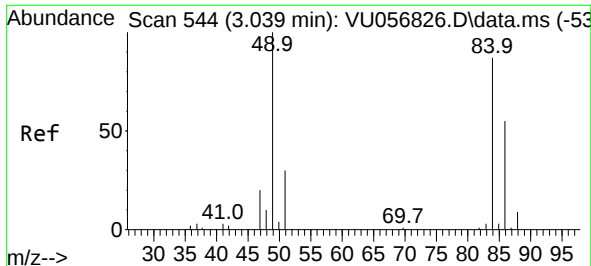
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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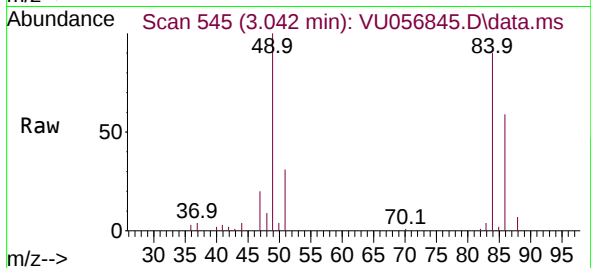
Quant Time: Dec 15 00:54:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
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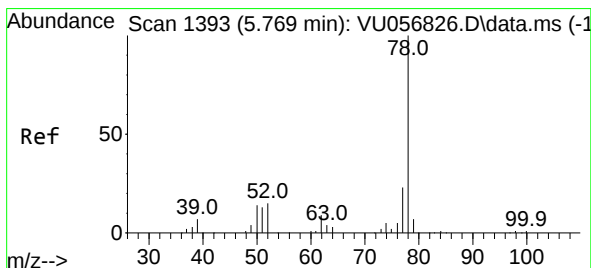
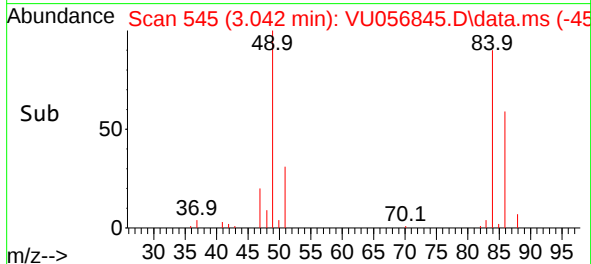
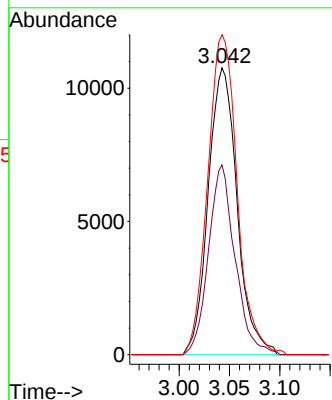
#16
Methylene chloride
Concen: 1.098 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :



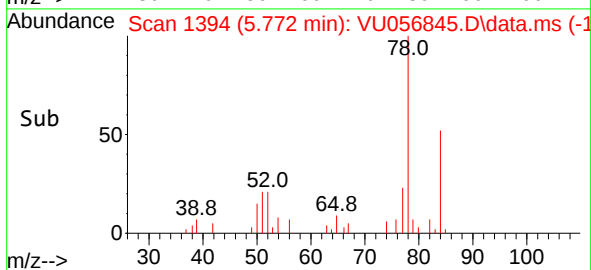
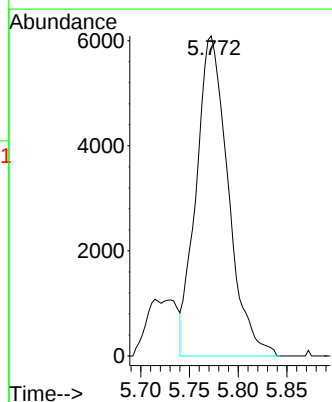
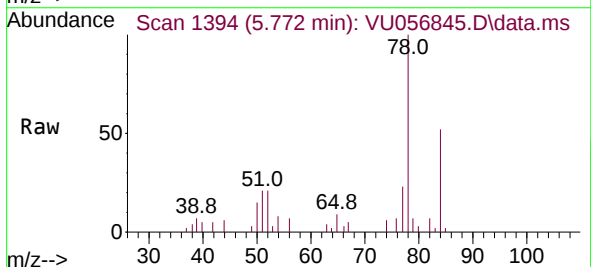
Tgt Ion: 84 Resp: 21509

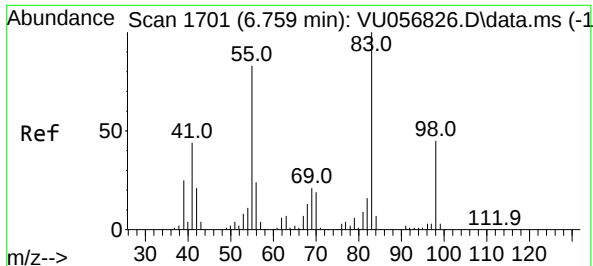
Ion	Ratio	Lower	Upper
84	100		
86	66.2	43.6	81.0
49	111.6	80.6	149.6



#33
Benzene
Concen: 0.171 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Tgt Ion: 78 Resp: 13870





#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU056845.D

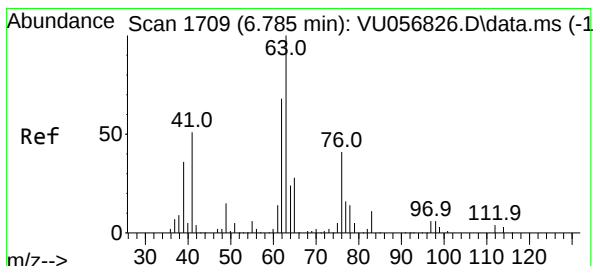
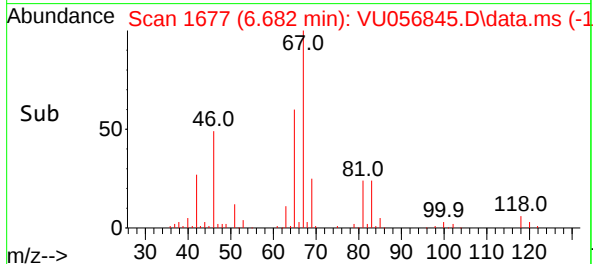
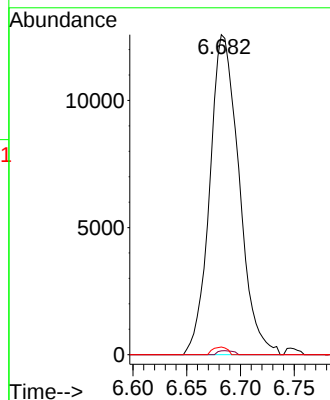
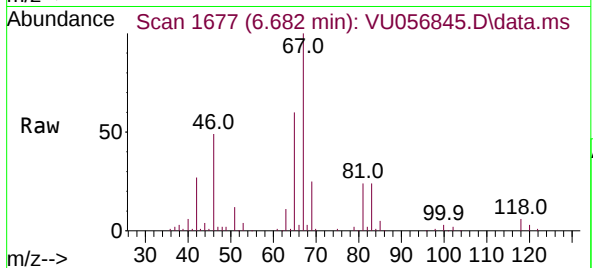
Acq: 14 Dec 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	23875
Ion	Ratio	Lower	Upper
83	100		
55	0.7	64.6	97.0#
98	1.2	36.1	54.1#



#37

1,2-Dichloropropane

Concen: 0.535 ug/L

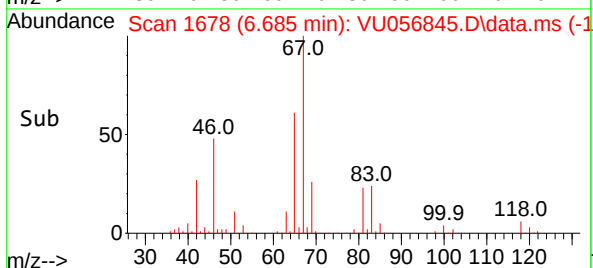
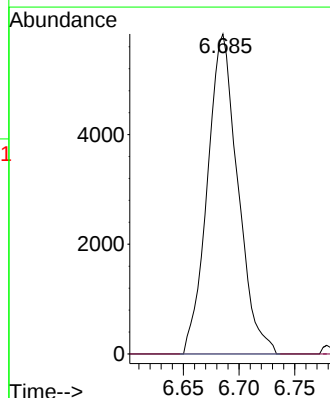
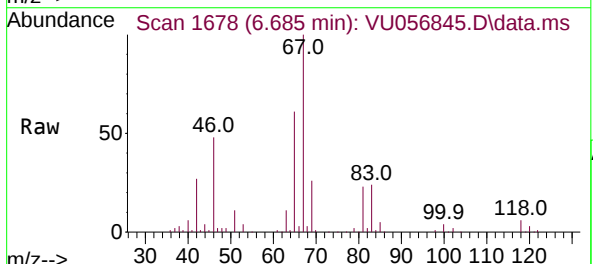
RT: 6.685 min Scan# 1678

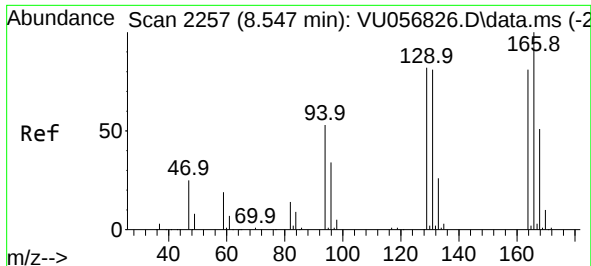
Delta R.T. -0.100 min

Lab File: VU056845.D

Acq: 14 Dec 2023 17:42

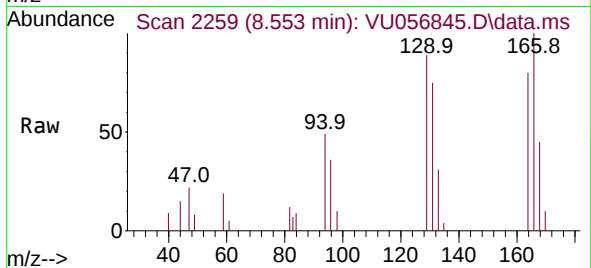
Tgt Ion:	63	Resp:	11102
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.3	4.9#



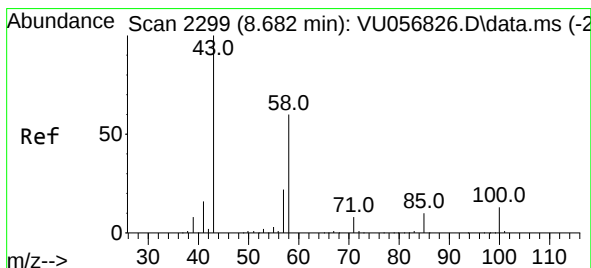
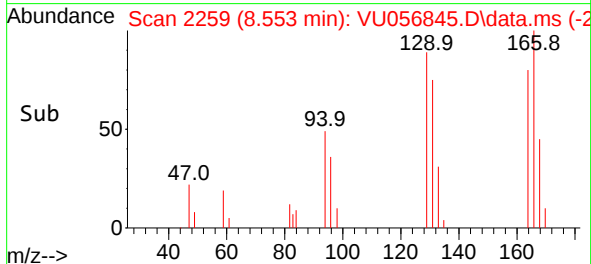
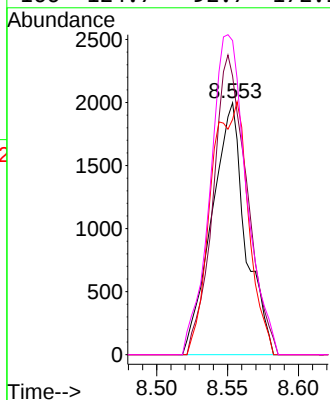


#47
Tetrachloroethene
Concen: 0.213 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :

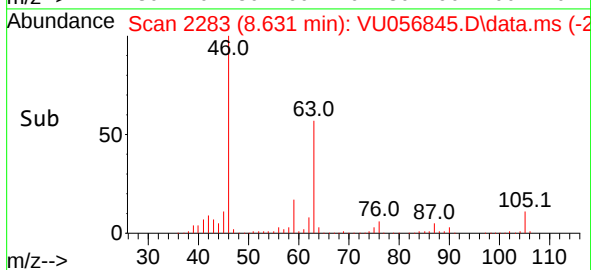
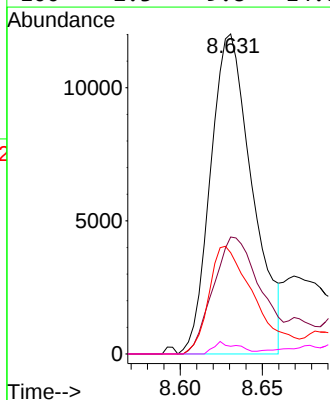
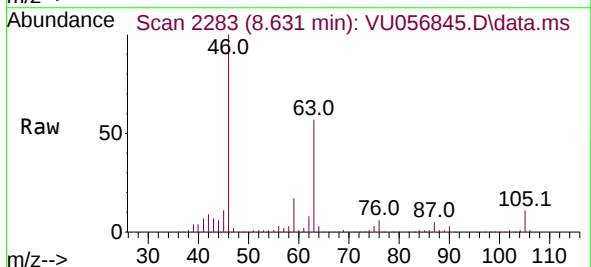


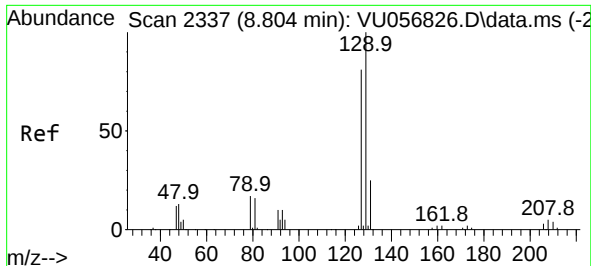
Tgt	Ion:164	Resp:	3319
Ion	Ratio	Lower	Upper
164	100		
129	110.6	73.4	136.4
131	93.4	71.5	132.9
166	124.7	92.7	172.1



#48
2-Hexanone
Concen: 3.034 ug/L
RT: 8.631 min Scan# 2283
Delta R.T. -0.051 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

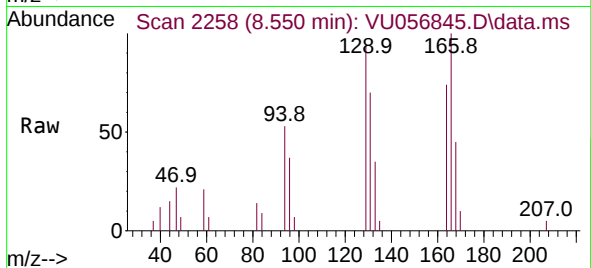
Tgt Ion: 43	Resp: 21282
Ion Ratio	Lower Upper
43 100	
58 41.8	47.5 71.3#
57 37.1	17.0 25.4#
100 2.3	9.8 14.8#



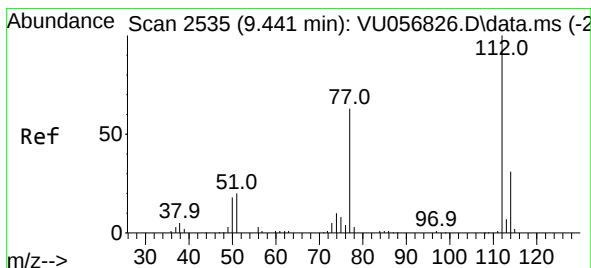
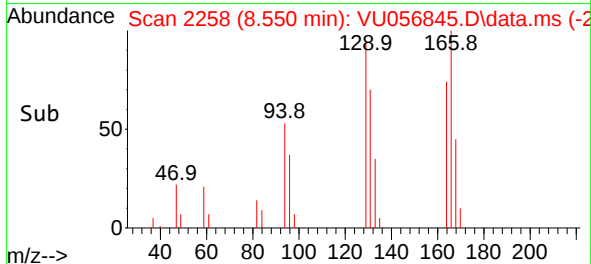
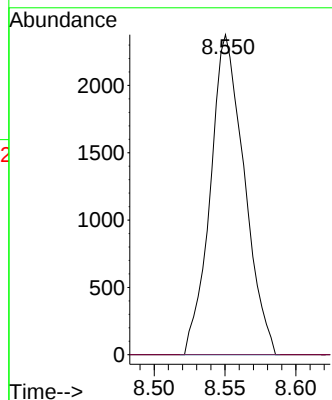


#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :

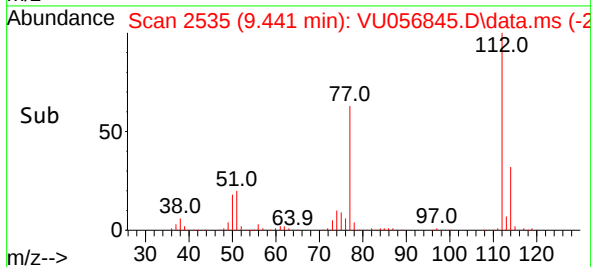
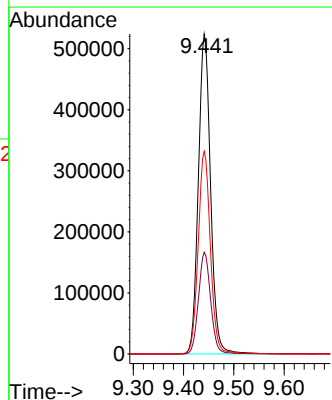
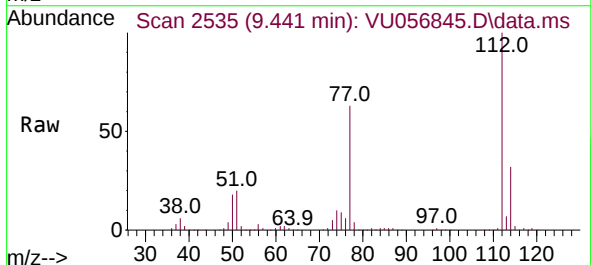


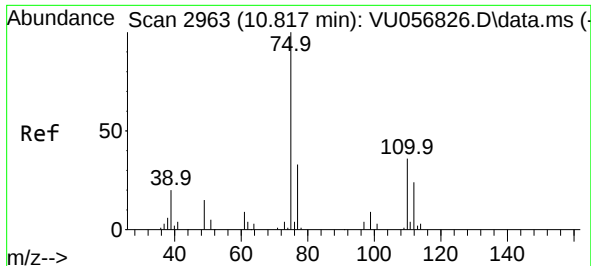
Tgt Ion:129 Resp: 3960
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#



#51
Chlorobenzene
Concen: 16.583 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Tgt Ion:112 Resp: 886628
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 63.3 51.6 77.4





#61

1,2,3-Trichloropropane

Concen: 15.052 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU056845.D

Acq: 14 Dec 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

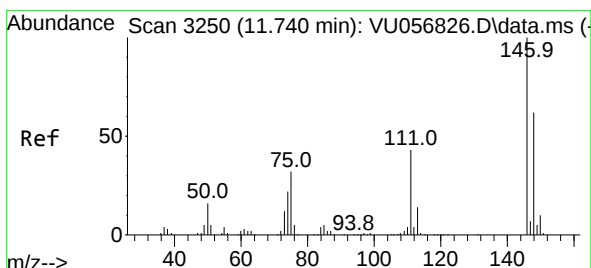
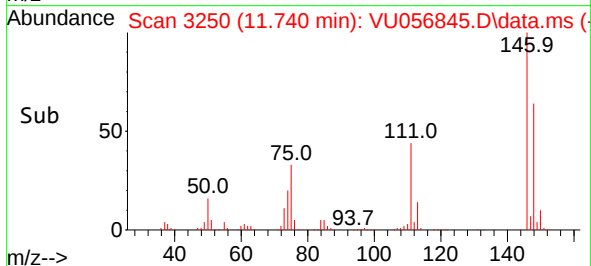
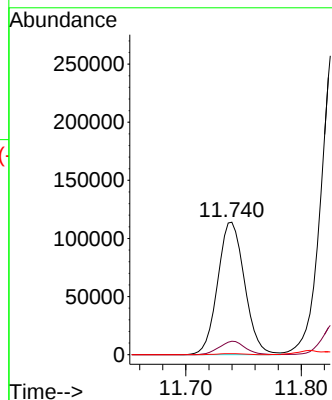
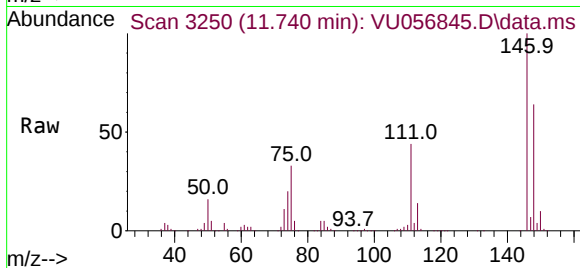
Tgt Ion: 75 Resp: 184451

Ion Ratio Lower Upper

75 100

110 9.8 28.4 42.6#

77 0.0 26.3 39.5#



#64

1,3-Dichlorobenzene

Concen: 12.978 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU056845.D

Acq: 14 Dec 2023 17:42

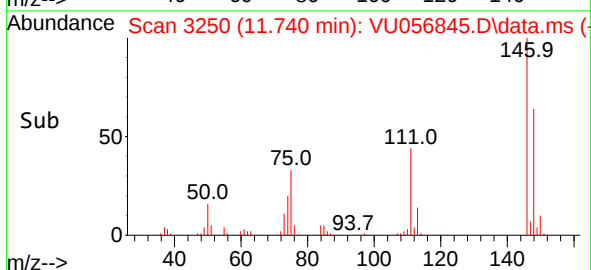
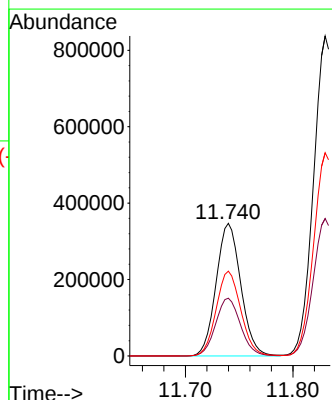
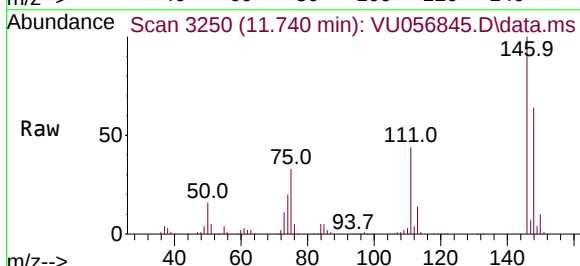
Tgt Ion:146 Resp: 553550

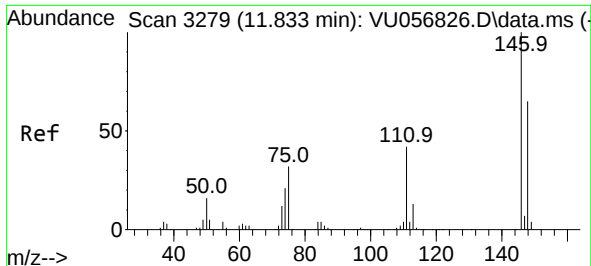
Ion Ratio Lower Upper

146 100

111 43.5 31.7 58.9

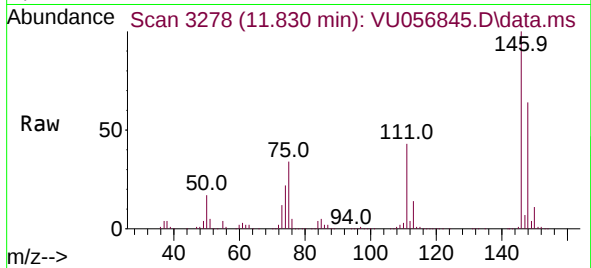
148 64.0 44.3 82.3



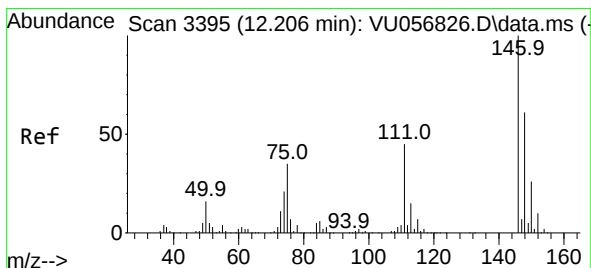
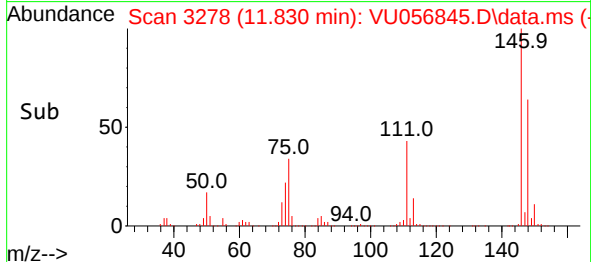
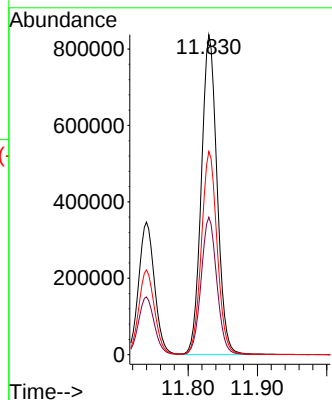


#65
1,4-Dichlorobenzene
Concen: 31.356 ug/L
RT: 11.830 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :

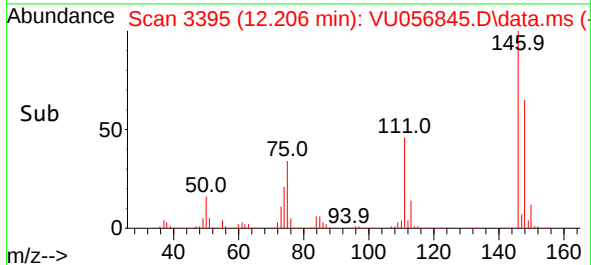
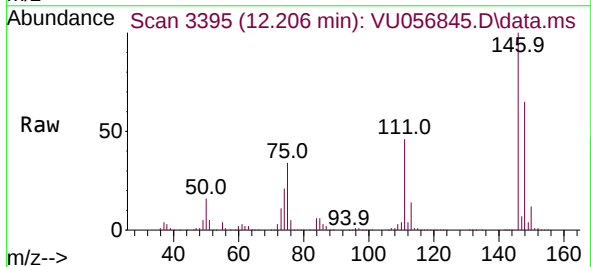
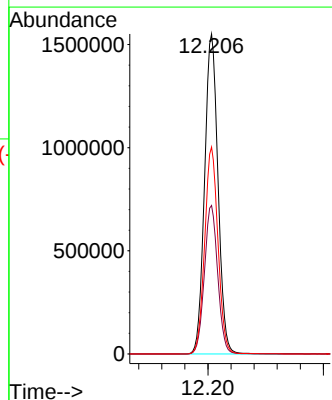


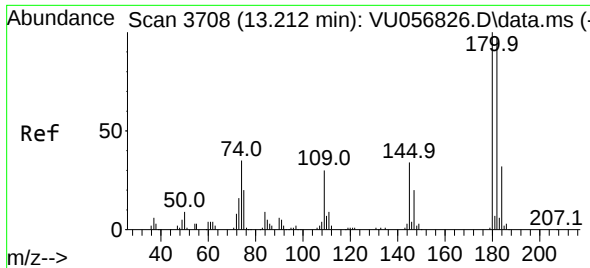
Tgt Ion:146 Resp: 1316945
Ion Ratio Lower Upper
146 100
111 43.0 31.2 58.0
148 63.5 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 64.293 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

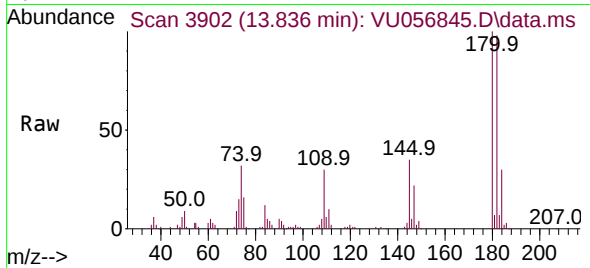
Tgt Ion:146 Resp: 2498235
Ion Ratio Lower Upper
146 100
111 46.4 36.9 55.3
148 64.6 53.0 79.4



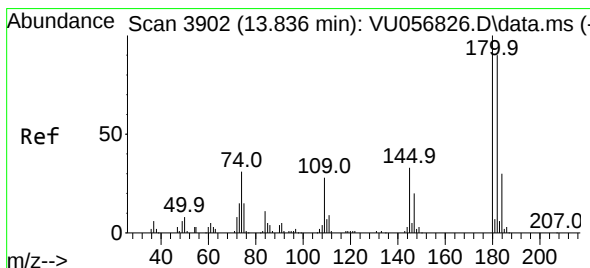
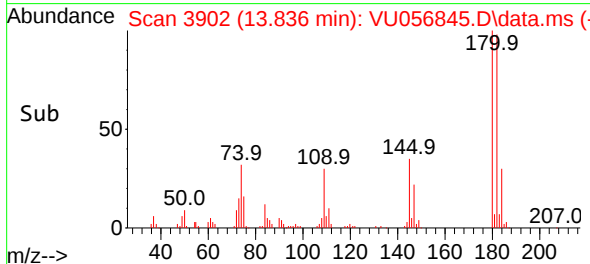
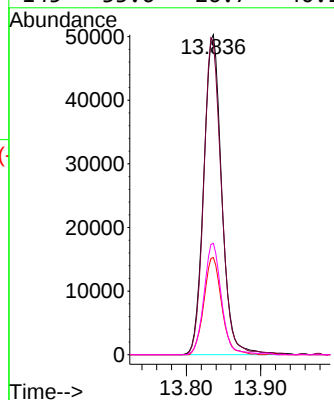


#69
 1,3,5-Trichlorobenzene
 Concen: 2.627 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.624 min
 Lab File: VU056845.D
 Acq: 14 Dec 2023 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

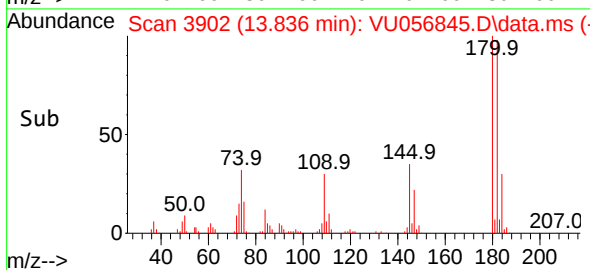
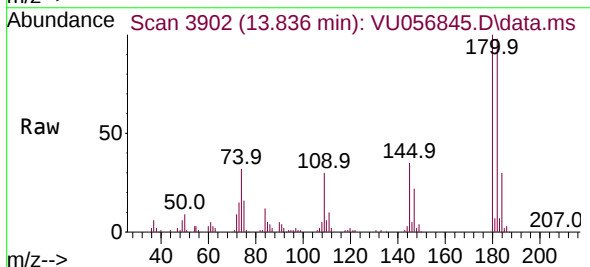
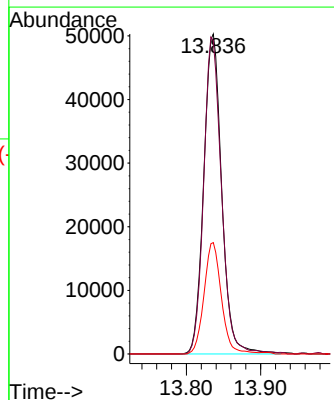


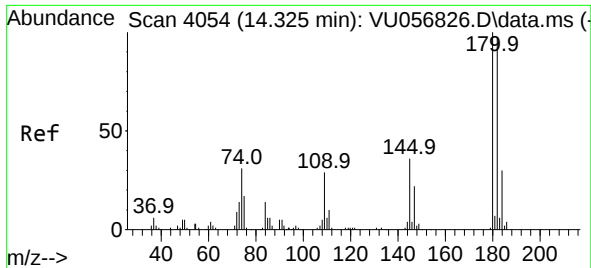
Tgt Ion:180 Resp: 84669
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.2 114.4
 184 30.0 24.6 37.0
 145 33.6 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 3.317 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056845.D
 Acq: 14 Dec 2023 17:42

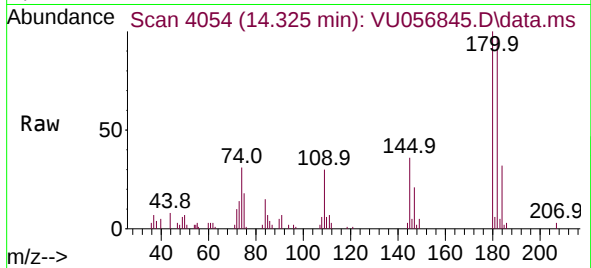
Tgt Ion:180 Resp: 84669
 Ion Ratio Lower Upper
 180 100
 182 97.8 74.3 111.5
 145 33.6 26.7 40.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.797 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU056845.D
 Acq: 14 Dec 2023 17:42

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	17270
Ion	Ratio	Lower	Upper
180	100		
182	100.8	75.0	112.6
145	34.9	28.6	42.8

