

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 :
 E06J1DL

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)

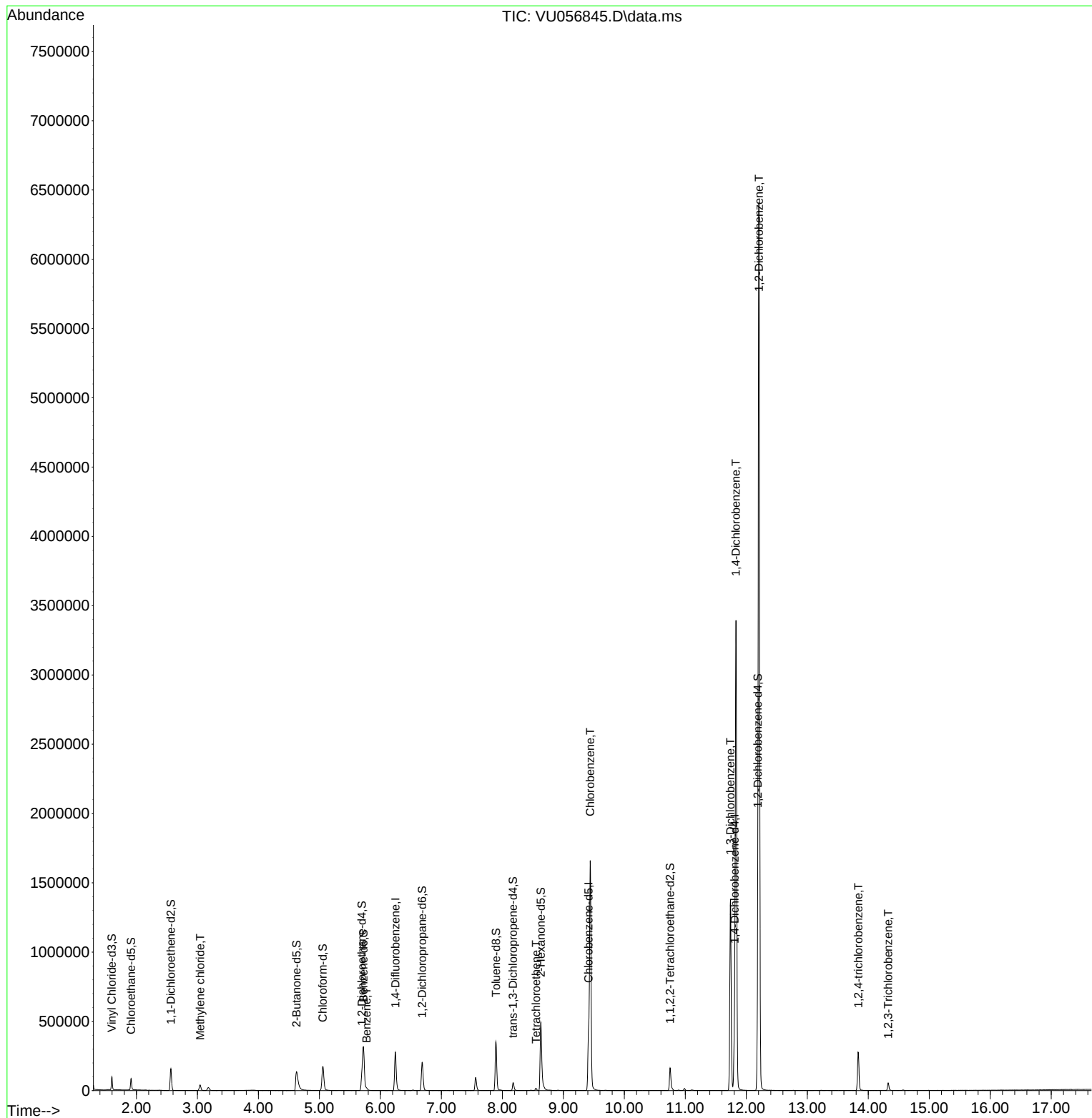
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	221456	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	114128	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66999	3.529	ug/L	0.00
Spiked Amount	5.000	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
47) Tetrachloroethene	8.553	164	3319	0.213	ug/L	93
51) Chlorobenzene	9.441	112	886628	16.583	ug/L	99
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
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

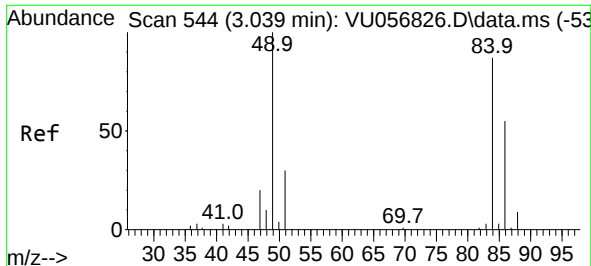
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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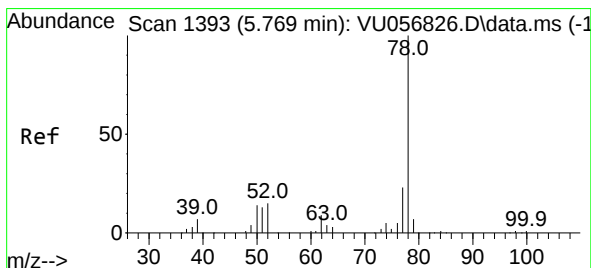
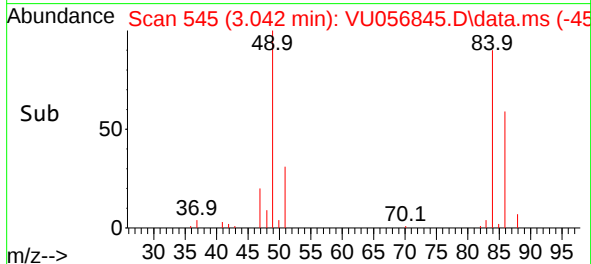
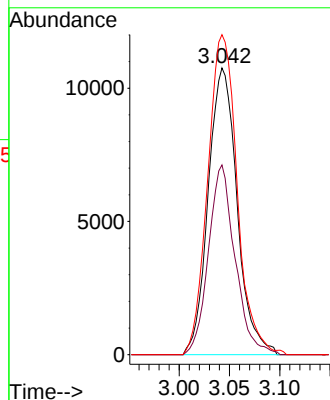
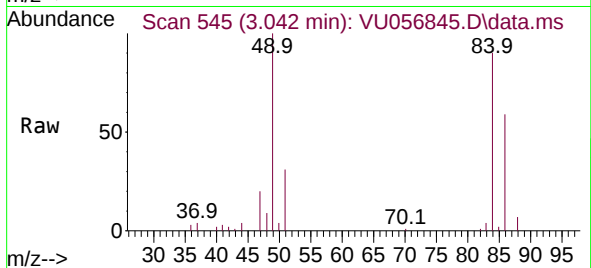




#16
Methylene chloride
Concen: 1.098 ug/L
RT: 3.042 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU056845.D
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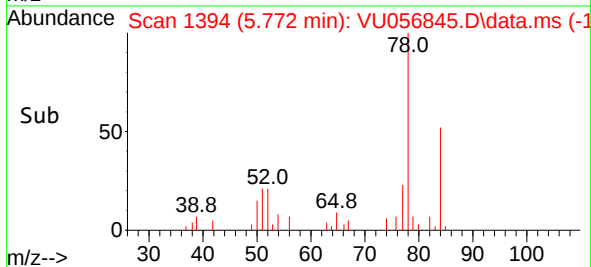
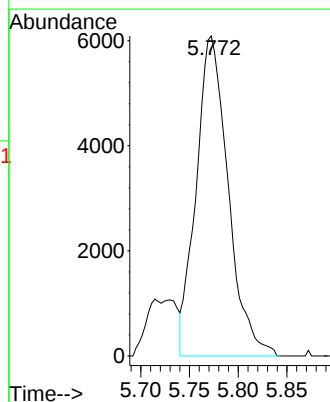
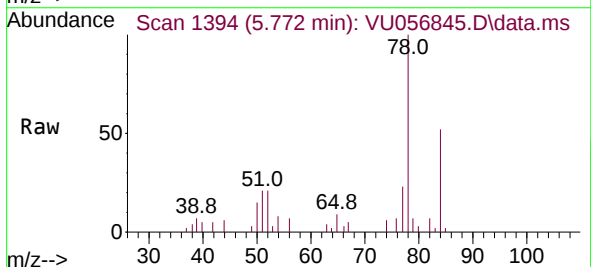
Instrument :
MSVOA_U
ClientSampleId :
E06J1DL

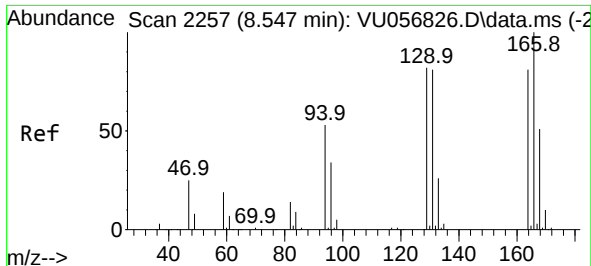
Tgt Ion: 84 Resp: 21509
Ion Ratio Lower Upper
84 100
86 66.2 43.6 81.0
49 111.6 80.6 149.6



#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



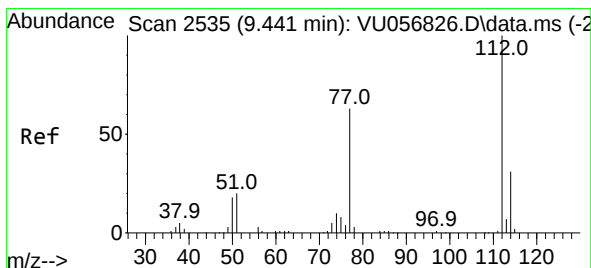
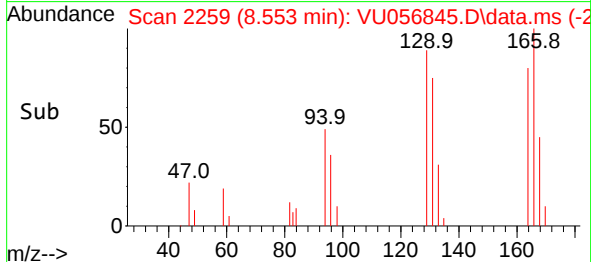
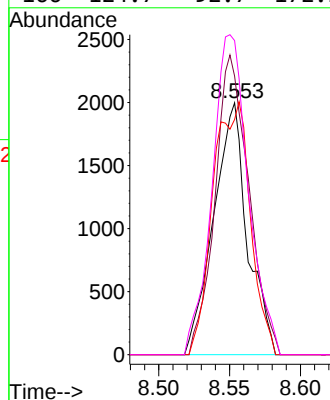
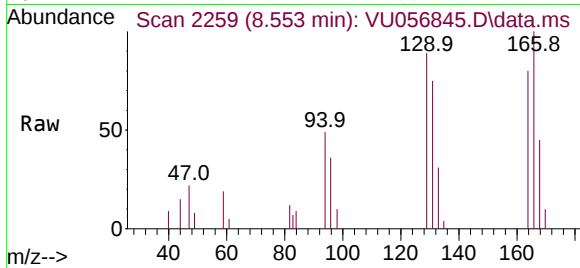


#47
Tetrachloroethene
Concen: 0.213 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :
E06J1DL

Tgt Ion:164 Resp: 3319

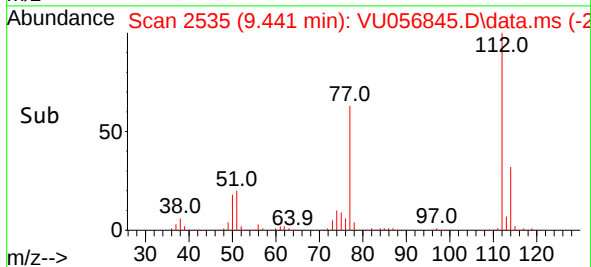
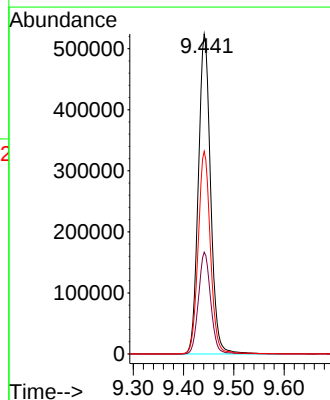
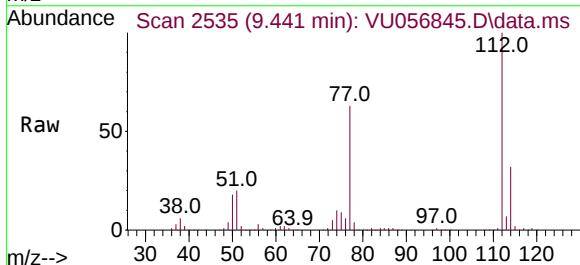
Ion	Ratio	Lower	Upper
164	100		
129	110.6	73.4	136.4
131	93.4	71.5	132.9
166	124.7	92.7	172.1

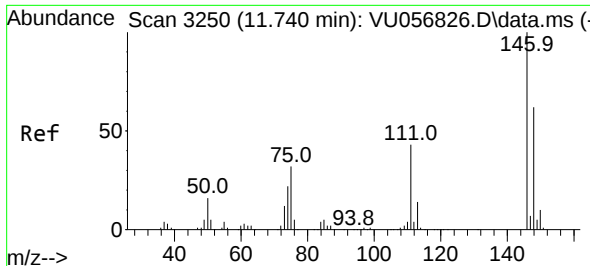


#51
Chlorobenzene
Concen: 16.583 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

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

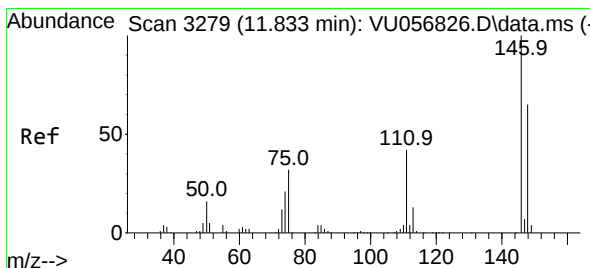
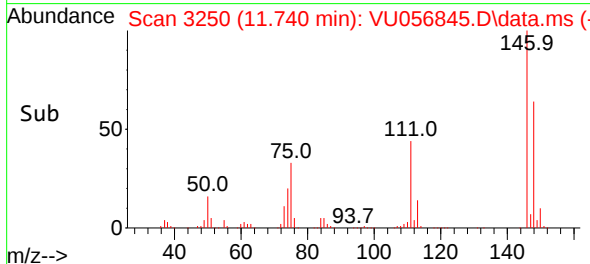
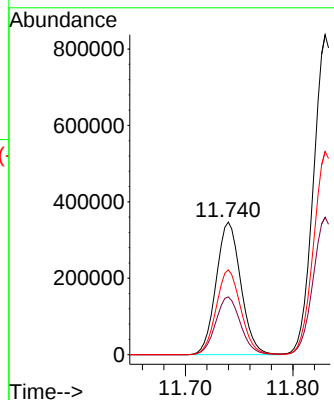
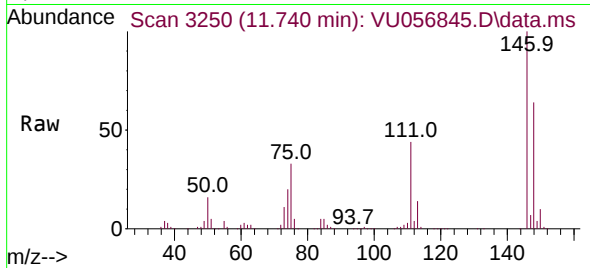




#64
1,3-Dichlorobenzene
Concen: 12.978 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

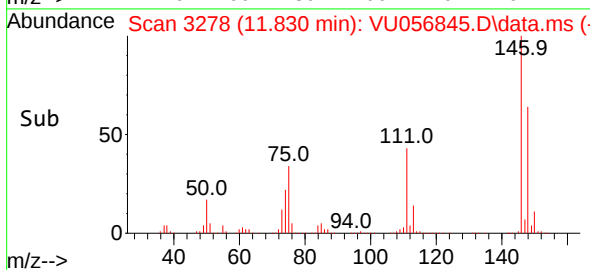
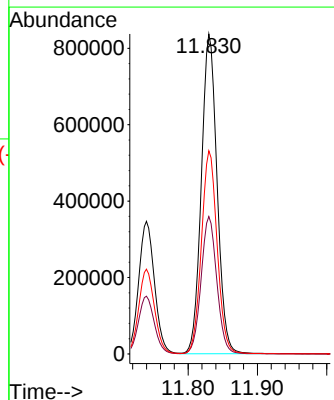
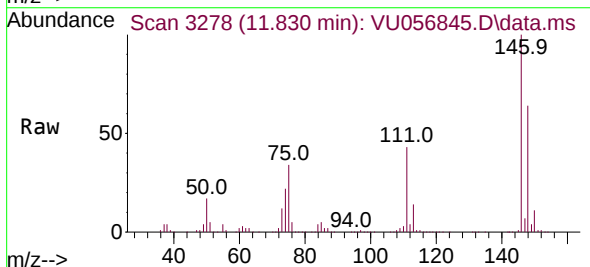
Instrument :
MSVOA_U
ClientSampleId :
E06J1DL

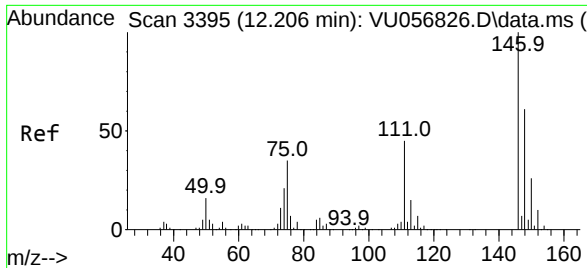
Tgt Ion:146 Resp: 553550
Ion Ratio Lower Upper
146 100
111 43.5 31.7 58.9
148 64.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 31.356 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

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

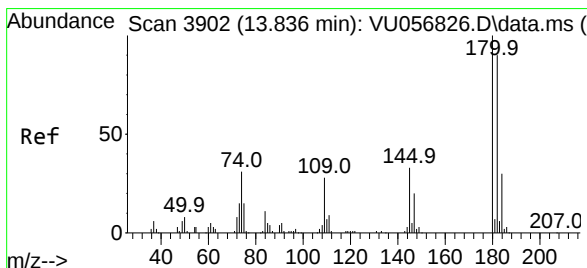
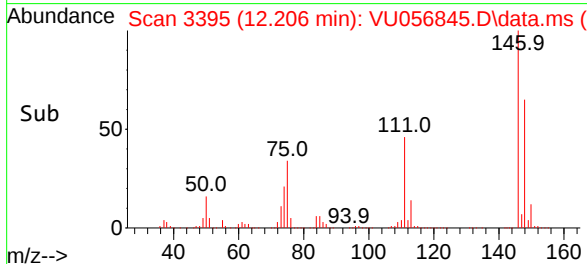
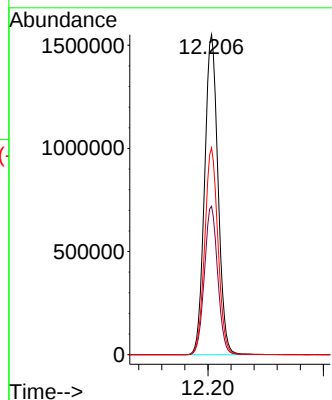
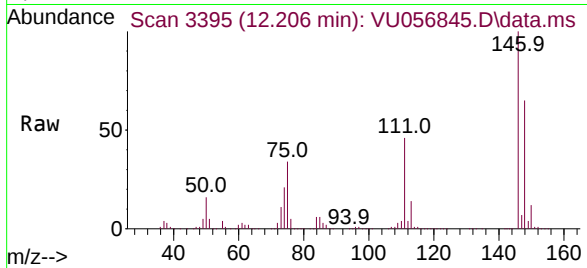




#67
1,2-Dichlorobenzene
Concen: 64.293 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056845.D
Acq: 14 Dec 2023 17:42

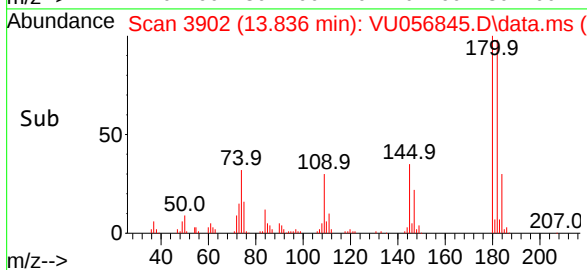
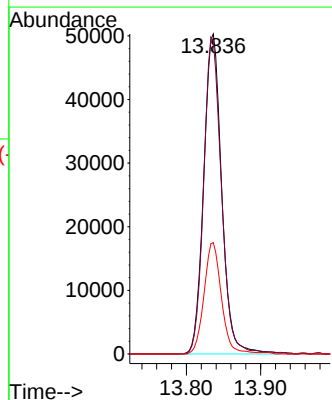
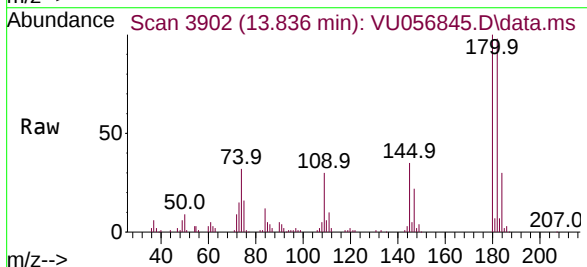
Instrument :
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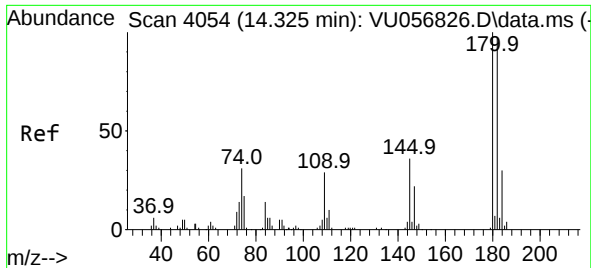
Tgt Ion:146 Resp: 2498235
Ion Ratio Lower Upper
146 100
111 46.4 36.9 55.3
148 64.6 53.0 79.4



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

