

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056891.D
 Acq On : 15 Dec 2023 20:02
 Operator : MD/SY
 Sample : 05684-05DL2 4000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

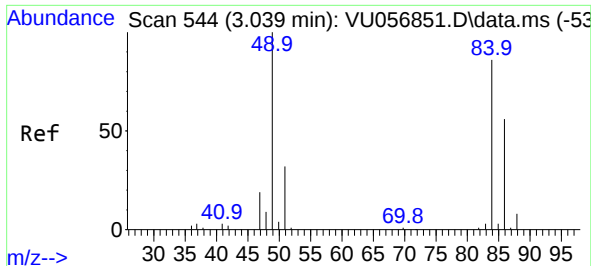
Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1DL2

Quant Time: Dec 15 22:27:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	214762	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217912	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96917	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	84698	4.601	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.908	69	70145	5.092	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.560	65	37579	4.771	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	4.621	46	210428	57.882	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.760%
24) Chloroform-d	5.055	84	186506	5.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	5.695	65	88917	5.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	5.721	84	345541	5.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.686	67	111138	5.253	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.894	98	273492	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.177	79	38071	4.640	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.631	63	157349	50.852	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.700%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	83462	5.453	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	101045	5.304	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
16) Methylene chloride	3.043	84	7878	0.415	ug/L	95
35) Methylcyclohexane	6.686	83	25769	0.831	ug/L #	17
37) 1,2-Dichloropropane	6.686	63	12311	0.628	ug/L #	88
51) Chlorobenzene	9.444	112	88298	1.748	ug/L	96
61) 1,2,3-Trichloropropane	11.743	75	16544	1.590	ug/L #	50
64) 1,3-Dichlorobenzene	11.743	146	51666	1.426	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	117651	3.299	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	235743	7.144	ug/L	98
69) 1,3,5-Trichlorobenzene	13.846	180	7162	0.262	ug/L	93
70) 1,2,4-trichlorobenzene	13.846	180	7162	0.330	ug/L	90

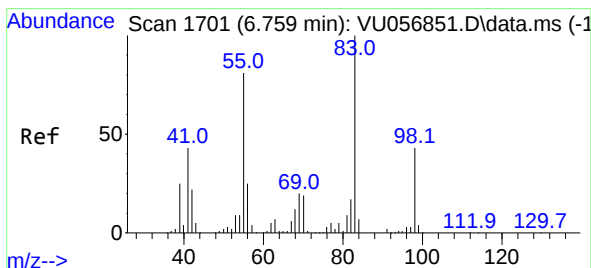
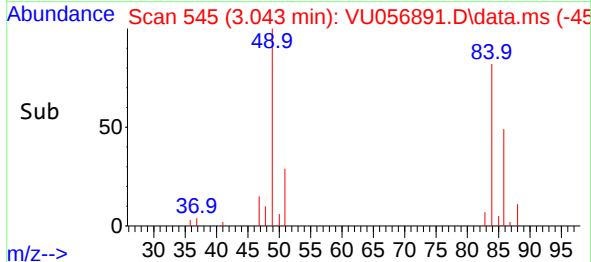
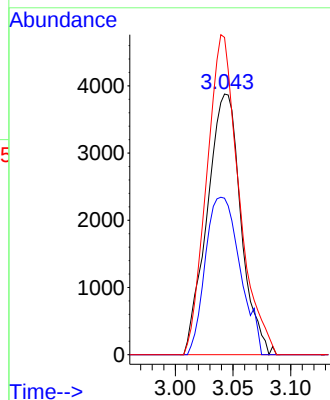
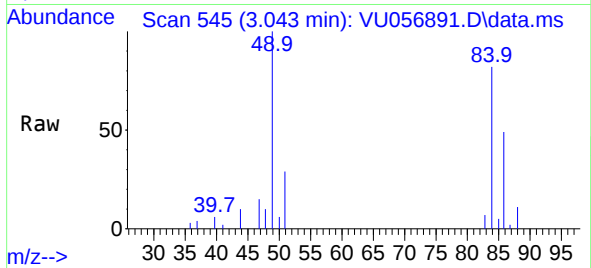
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Methylene chloride
Concen: 0.415 ug/L
RT: 3.043 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

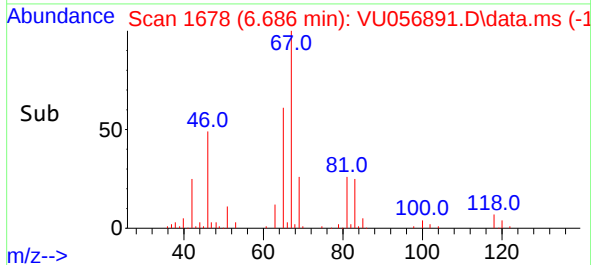
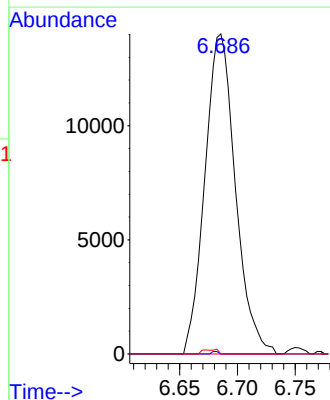
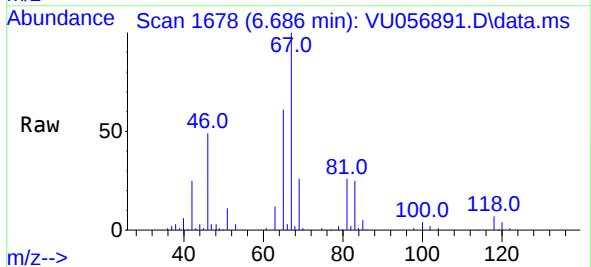
Instrument :
MSVOA_U
ClientSampleId :
E06J1DL2

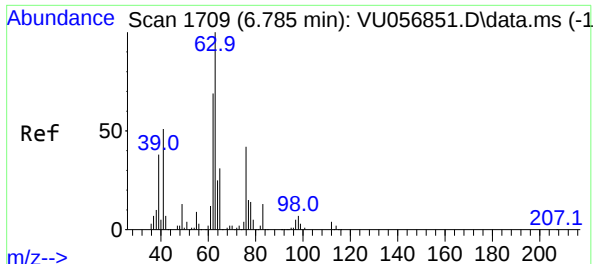
Tgt Ion: 84 Resp: 7878
Ion Ratio Lower Upper
84 100
86 60.0 43.6 81.0
49 121.8 80.6 149.6



#35
Methylcyclohexane
Concen: 0.831 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

Tgt Ion: 83 Resp: 25769
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 0.7 36.1 54.1#

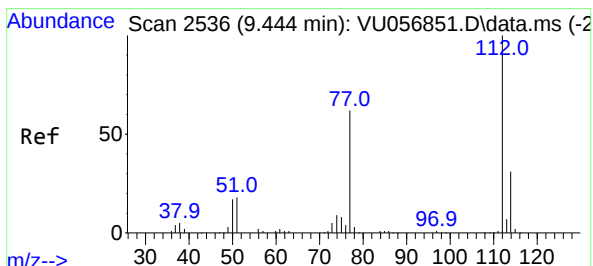
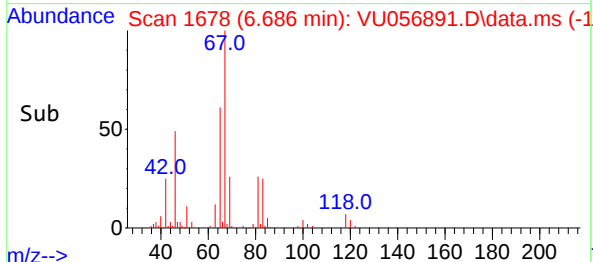
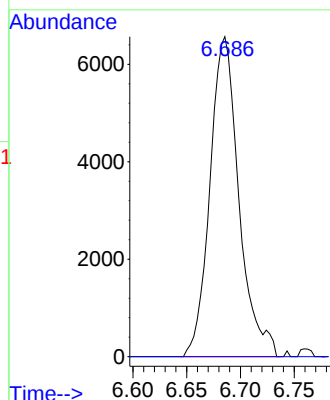
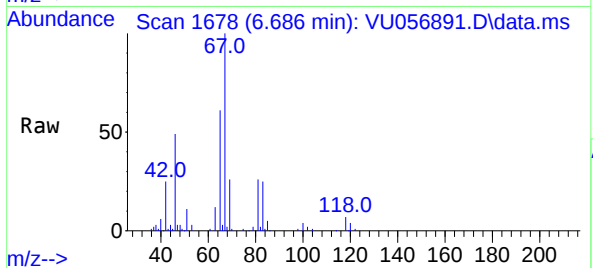




#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.686 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

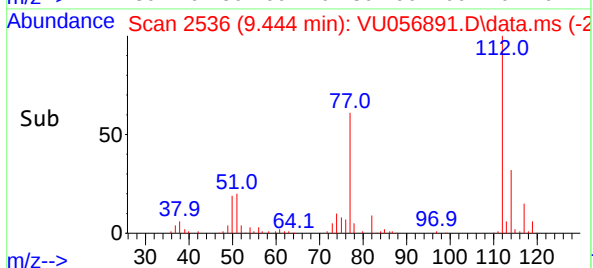
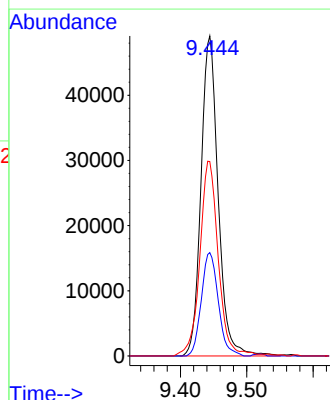
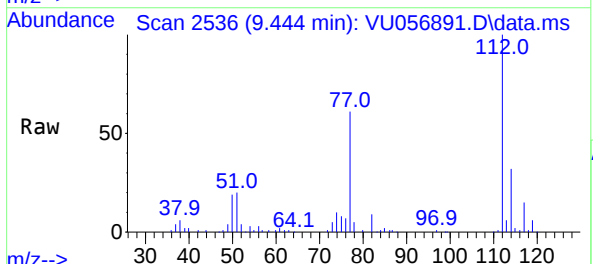
Instrument :
MSVOA_U
ClientSampleId :
E06J1DL2

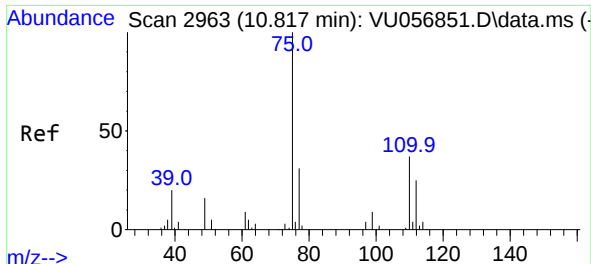
Tgt Ion: 63 Resp: 12311
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#51
Chlorobenzene
Concen: 1.748 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

Tgt Ion: 112 Resp: 88298
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 60.7 51.6 77.4

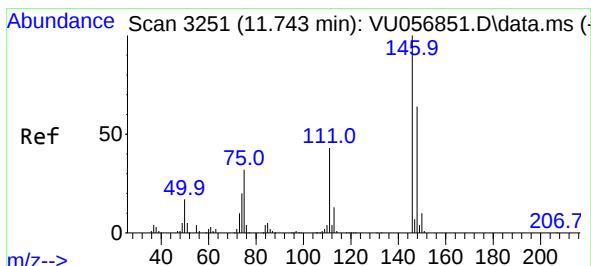
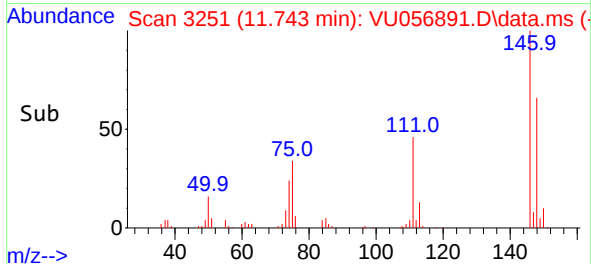
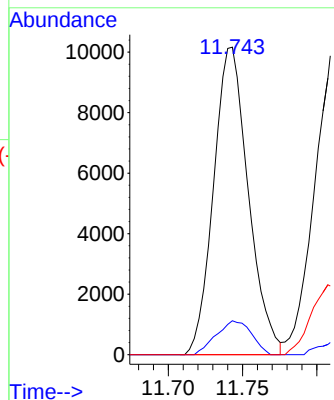
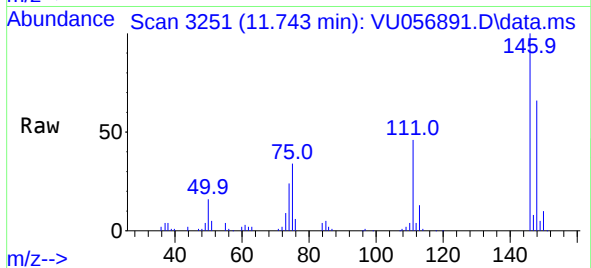




#61
1,2,3-Trichloropropane
Concen: 1.590 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

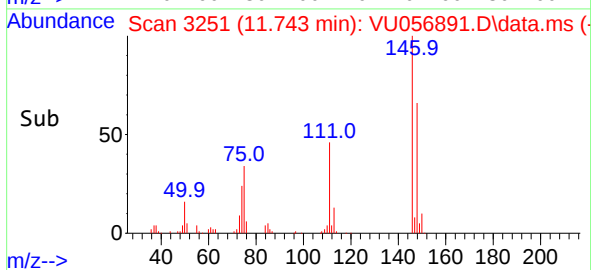
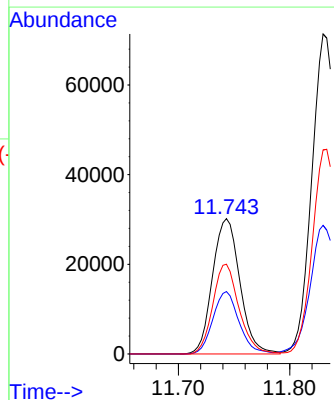
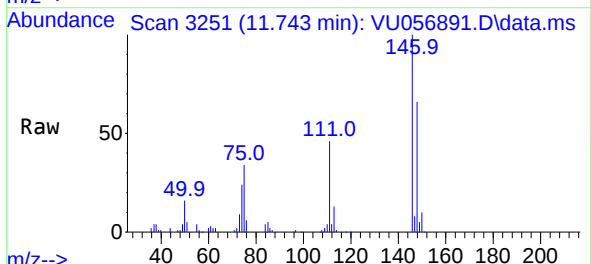
Instrument :
MSVOA_U
ClientSampleId :
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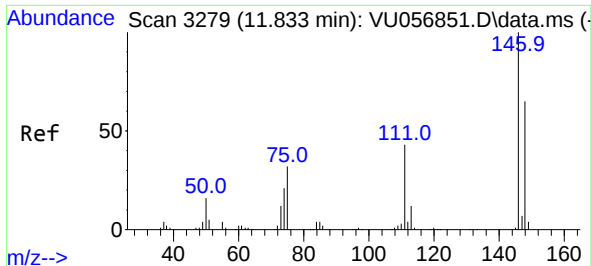
Tgt Ion: 75 Resp: 16544
Ion Ratio Lower Upper
75 100
110 11.2 28.4 42.6#
77 0.0 26.3 39.5#



#64
1,3-Dichlorobenzene
Concen: 1.426 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

Tgt Ion:146 Resp: 51666
Ion Ratio Lower Upper
146 100
111 46.1 31.7 58.9
148 66.3 44.3 82.3

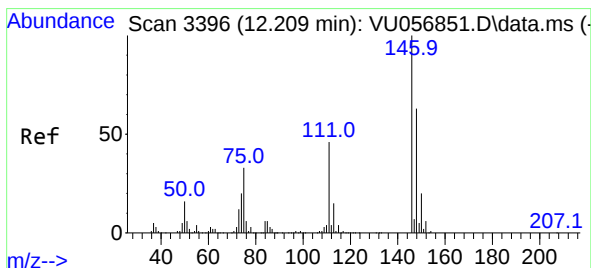
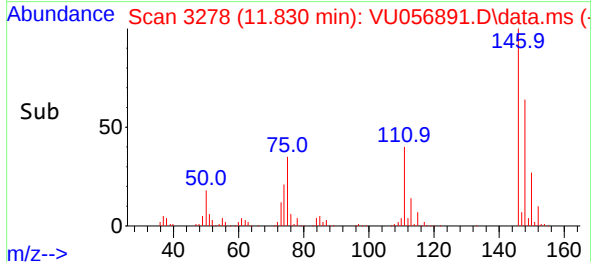
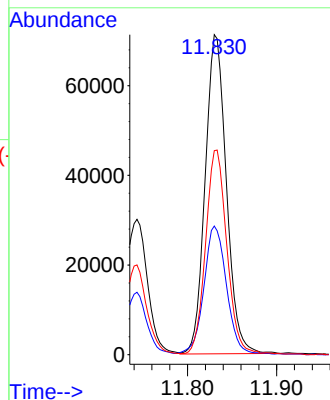
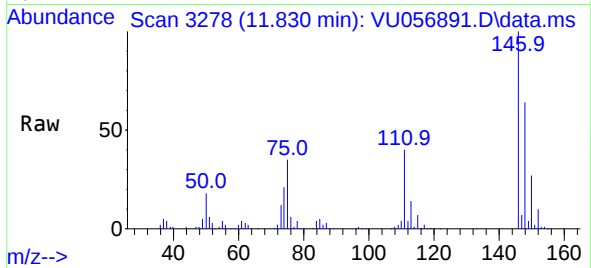




#65
1,4-Dichlorobenzene
Concen: 3.299 ug/L
RT: 11.830 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

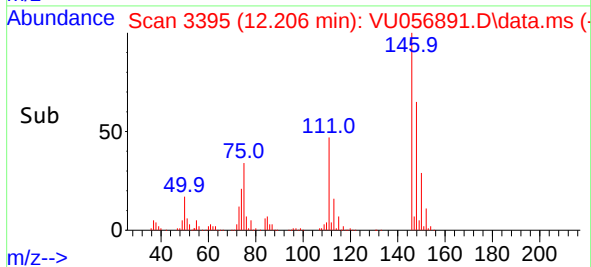
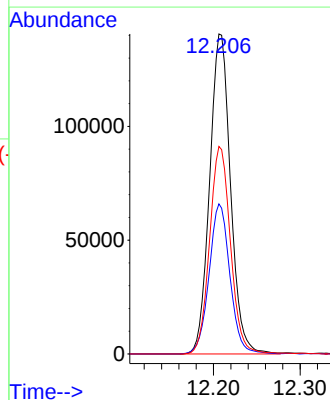
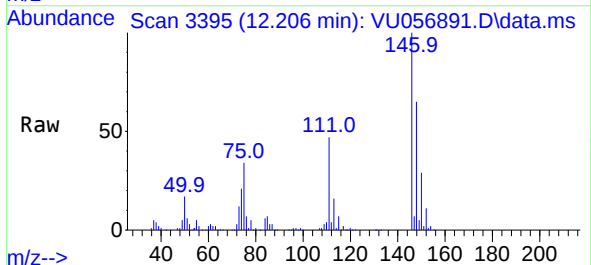
Instrument :
MSVOA_U
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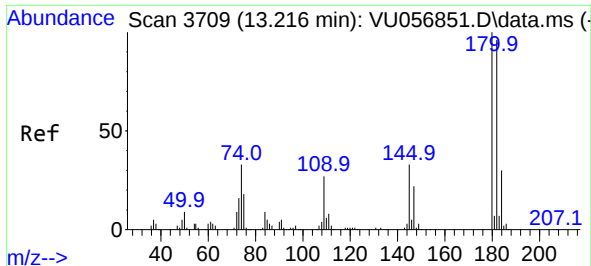
Tgt Ion:146 Resp: 117651
Ion Ratio Lower Upper
146 100
111 40.2 31.2 58.0
148 63.8 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 7.144 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.003 min
Lab File: VU056891.D
Acq: 15 Dec 2023 20:02

Tgt Ion:146 Resp: 235743
Ion Ratio Lower Upper
146 100
111 46.9 36.9 55.3
148 64.8 53.0 79.4

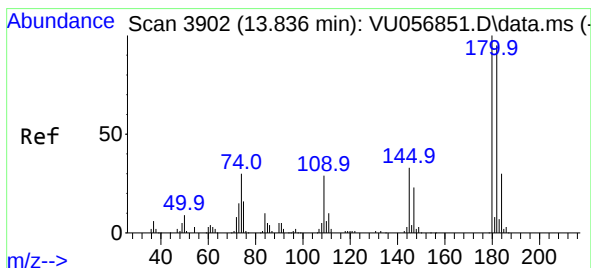
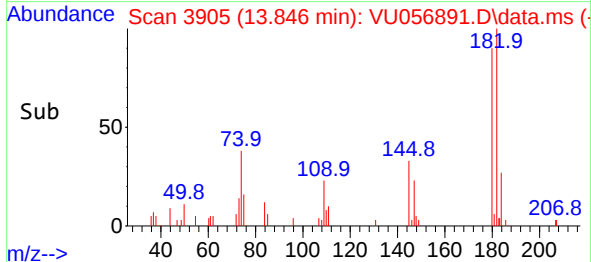
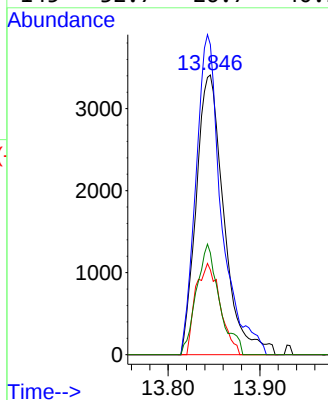
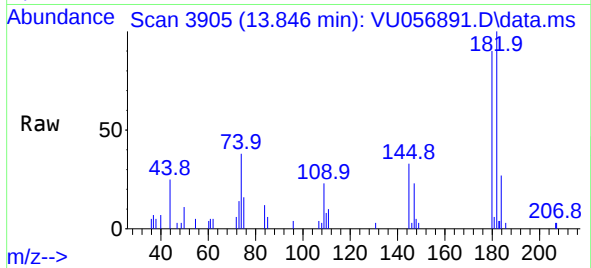




#69
 1,3,5-Trichlorobenzene
 Concen: 0.262 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.630 min
 Lab File: VU056891.D
 Acq: 15 Dec 2023 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1DL2

Tgt Ion:	180	Resp:	7162
Ion Ratio	Lower	Upper	
180	100		
182	105.4	76.2	114.4
184	28.7	24.6	37.0
145	32.7	26.7	40.1



#70
 1,2,4-trichlorobenzene
 Concen: 0.330 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.010 min
 Lab File: VU056891.D
 Acq: 15 Dec 2023 20:02

Tgt Ion:	180	Resp:	7162
Ion Ratio	Lower	Upper	
180	100		
182	105.4	74.3	111.5
145	32.7	26.7	40.1

