

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056846.D
 Acq On : 14 Dec 2023 18:06
 Operator : MD/SY
 Sample : 05675-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB6

Quant Time: Dec 15 00:54:54 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)

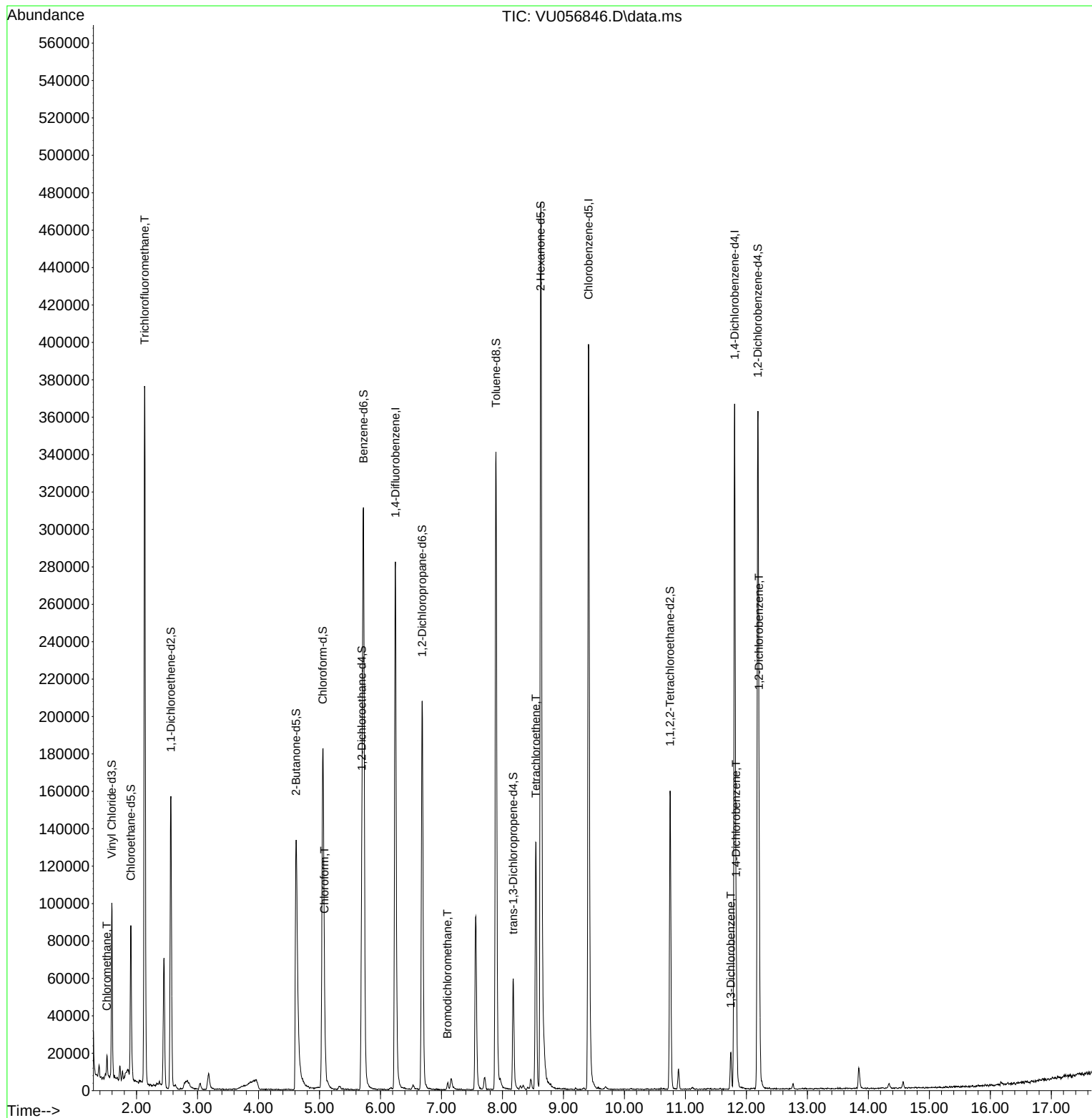
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	227626	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230717	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	95602	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66895	3.428	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.907	69	62291	4.266	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.563	65	31076	3.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	4.618	46	214125	55.571	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.140%
24) Chloroform-d	5.055	84	173182	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.695	65	85546	4.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	300698	4.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.682	67	104439	4.663	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.894	98	237772	3.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.177	79	36211	4.169	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.627	63	160774	49.075	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.140%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	81699	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	90238	4.802	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	6882	0.293	ug/L	95
9) Trichlorofluoromethane	2.136	101	247285	7.534	ug/L	100
25) Chloroform	5.081	83	23140	0.613	ug/L	94
38) Bromodichloromethane	7.100	83	2807	0.106	ug/L #	96
47) Tetrachloroethene	8.547	164	29906	1.921	ug/L	92
64) 1,3-Dichlorobenzene	11.746	146	8438	0.236	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	24528	0.697	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	40008	1.229	ug/L	98

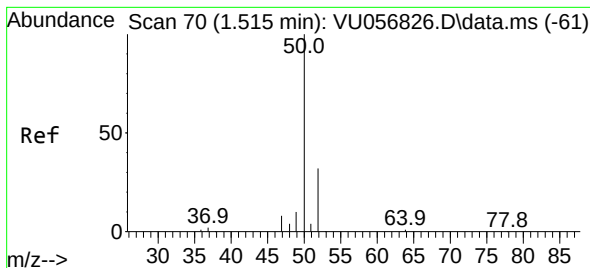
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.293 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU056846.D

Acq: 14 Dec 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

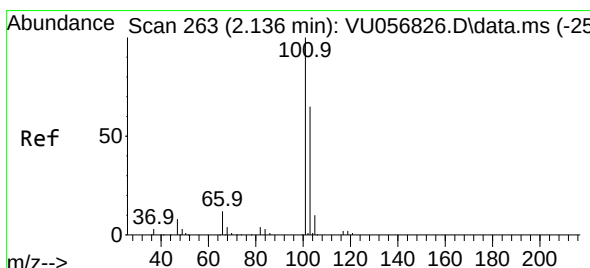
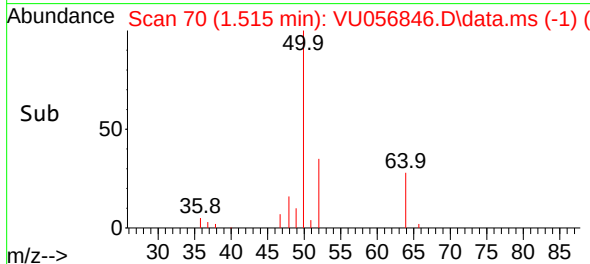
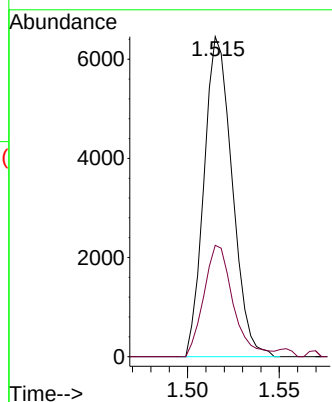
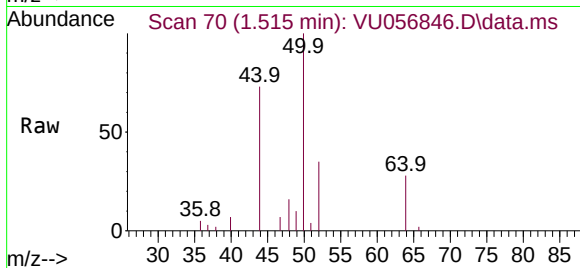
H0AB6

Tgt Ion: 50 Resp: 6882

Ion Ratio Lower Upper

50 100

52 34.8 22.5 41.7



#9

Trichlorofluoromethane

Concen: 7.534 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU056846.D

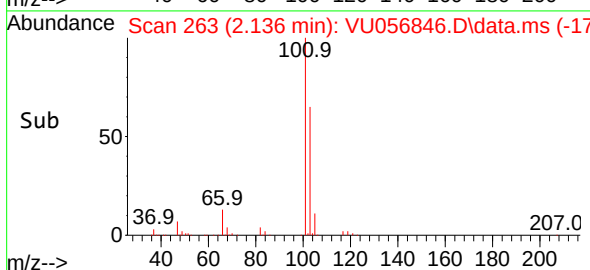
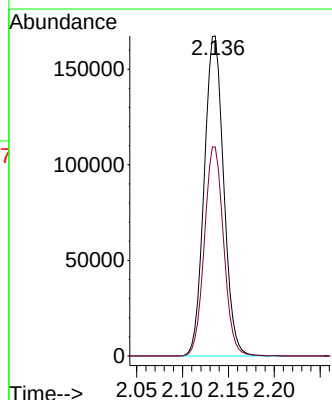
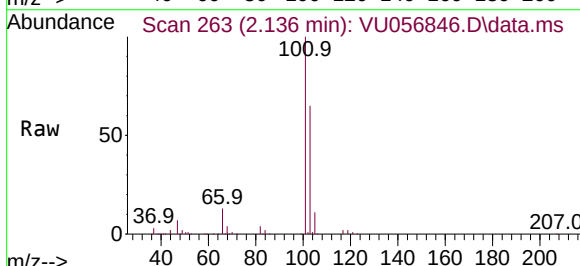
Acq: 14 Dec 2023 18:06

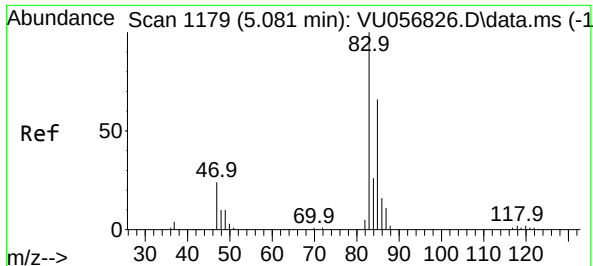
Tgt Ion: 101 Resp: 247285

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2





#25

Chloroform

Concen: 0.613 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056846.D

Acq: 14 Dec 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

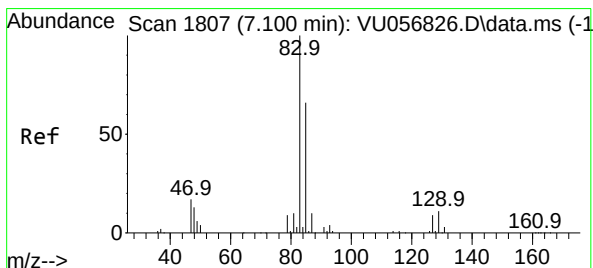
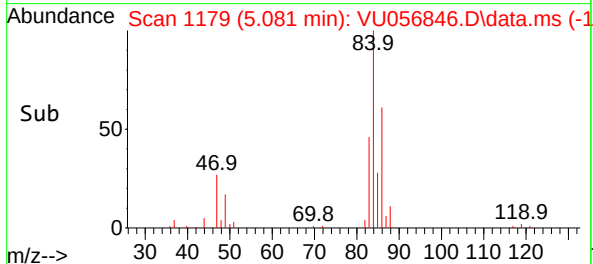
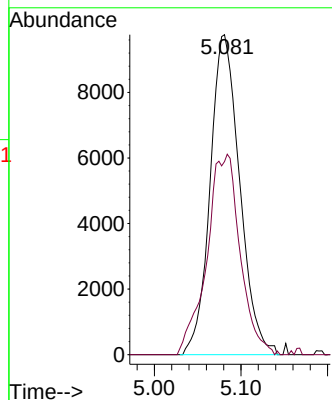
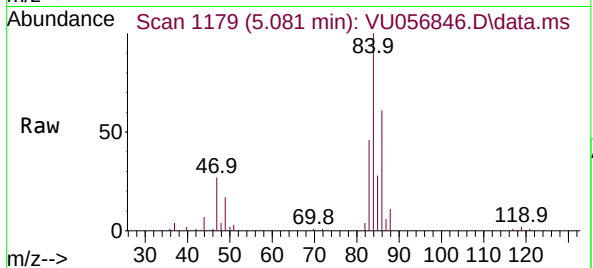
H0AB6

Tgt Ion: 83 Resp: 23140

Ion Ratio Lower Upper

83 100

85 60.3 45.8 85.0



#38

Bromodichloromethane

Concen: 0.106 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056846.D

Acq: 14 Dec 2023 18:06

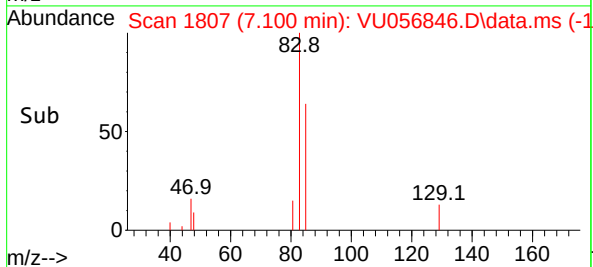
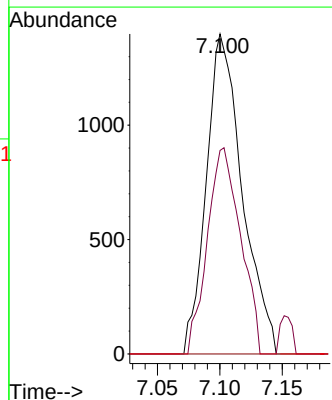
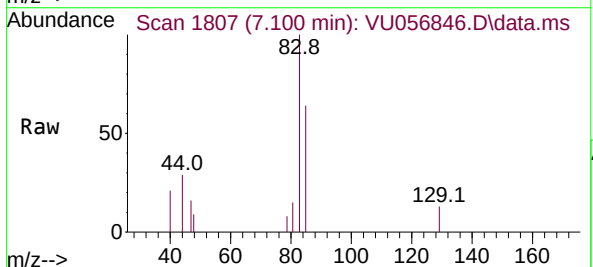
Tgt Ion: 83 Resp: 2807

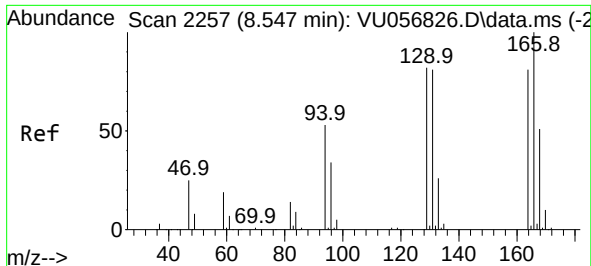
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 0.0 7.0 10.4#

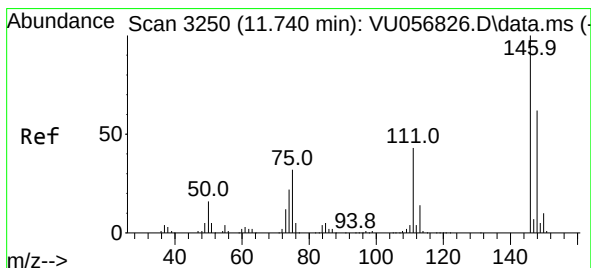
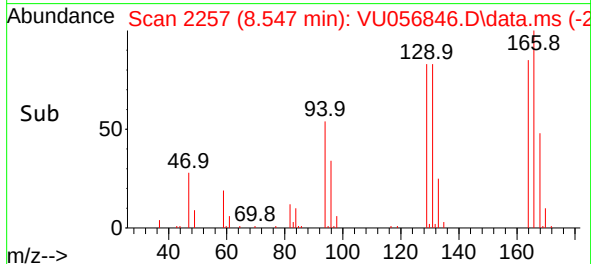
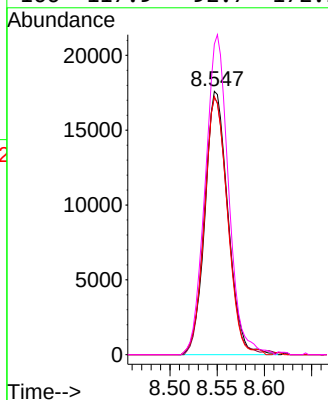
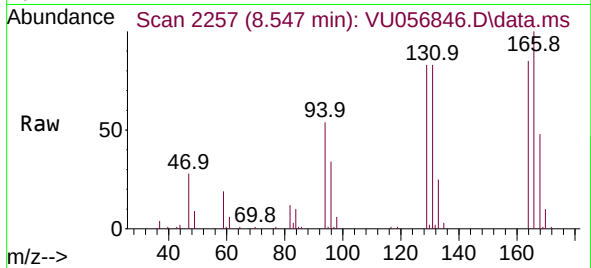




#47
Tetrachloroethene
Concen: 1.921 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056846.D
Acq: 14 Dec 2023 18:06

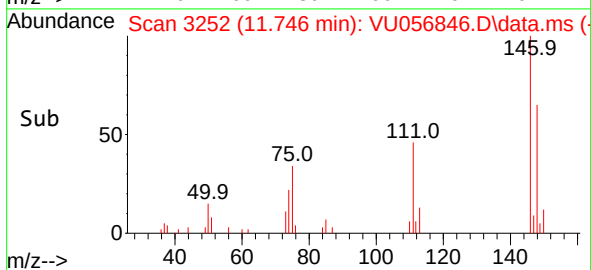
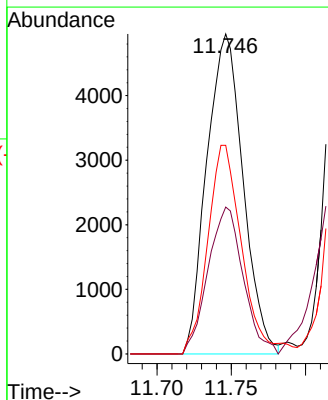
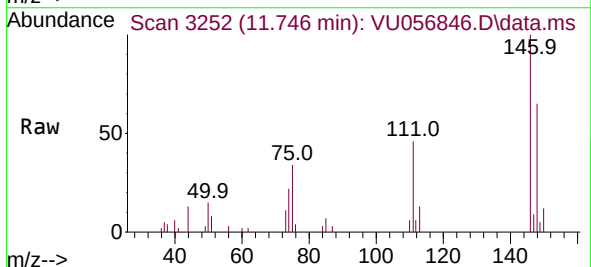
Instrument :
MSVOA_U
ClientSampleId :
H0AB6

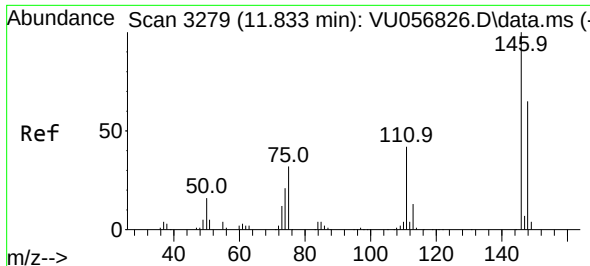
Tgt Ion:164 Resp: 29906
Ion Ratio Lower Upper
164 100
129 97.6 73.4 136.4
131 98.0 71.5 132.9
166 117.9 92.7 172.1



#64
1,3-Dichlorobenzene
Concen: 0.236 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU056846.D
Acq: 14 Dec 2023 18:06

Tgt Ion:146 Resp: 8438
Ion Ratio Lower Upper
146 100
111 45.9 31.7 58.9
148 65.2 44.3 82.3

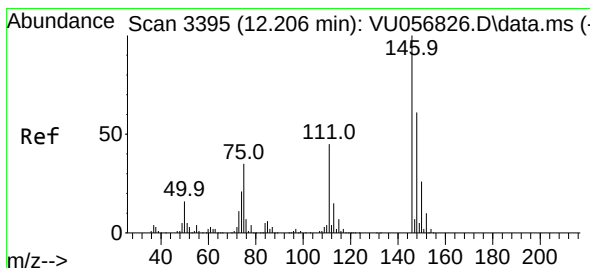
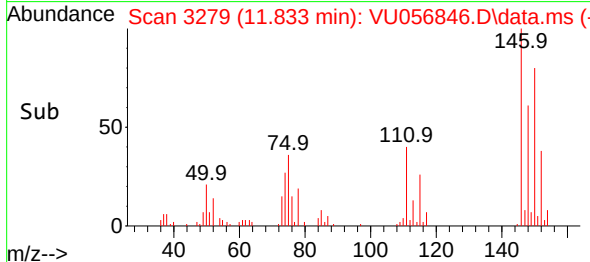
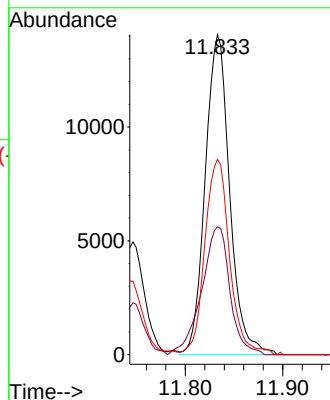
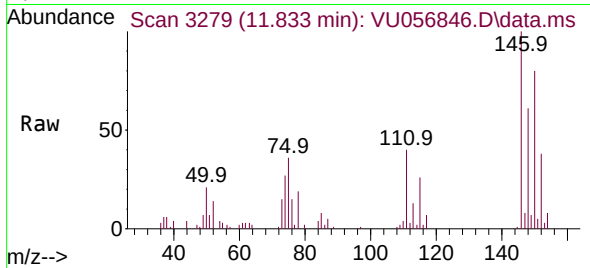




#65
1,4-Dichlorobenzene
Concen: 0.697 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056846.D
Acq: 14 Dec 2023 18:06

Instrument :
MSVOA_U
ClientSampleId :
H0AB6

Tgt Ion:146 Resp: 24528
Ion Ratio Lower Upper
146 100
111 39.9 31.2 58.0
148 61.0 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 1.229 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU056846.D
Acq: 14 Dec 2023 18:06

Tgt Ion:146 Resp: 40008
Ion Ratio Lower Upper
146 100
111 47.6 36.9 55.3
148 68.3 53.0 79.4

