

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056842.D
 Acq On : 14 Dec 2023 16:29
 Operator : MD/SY
 Sample : 05684-02DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:53:50 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)

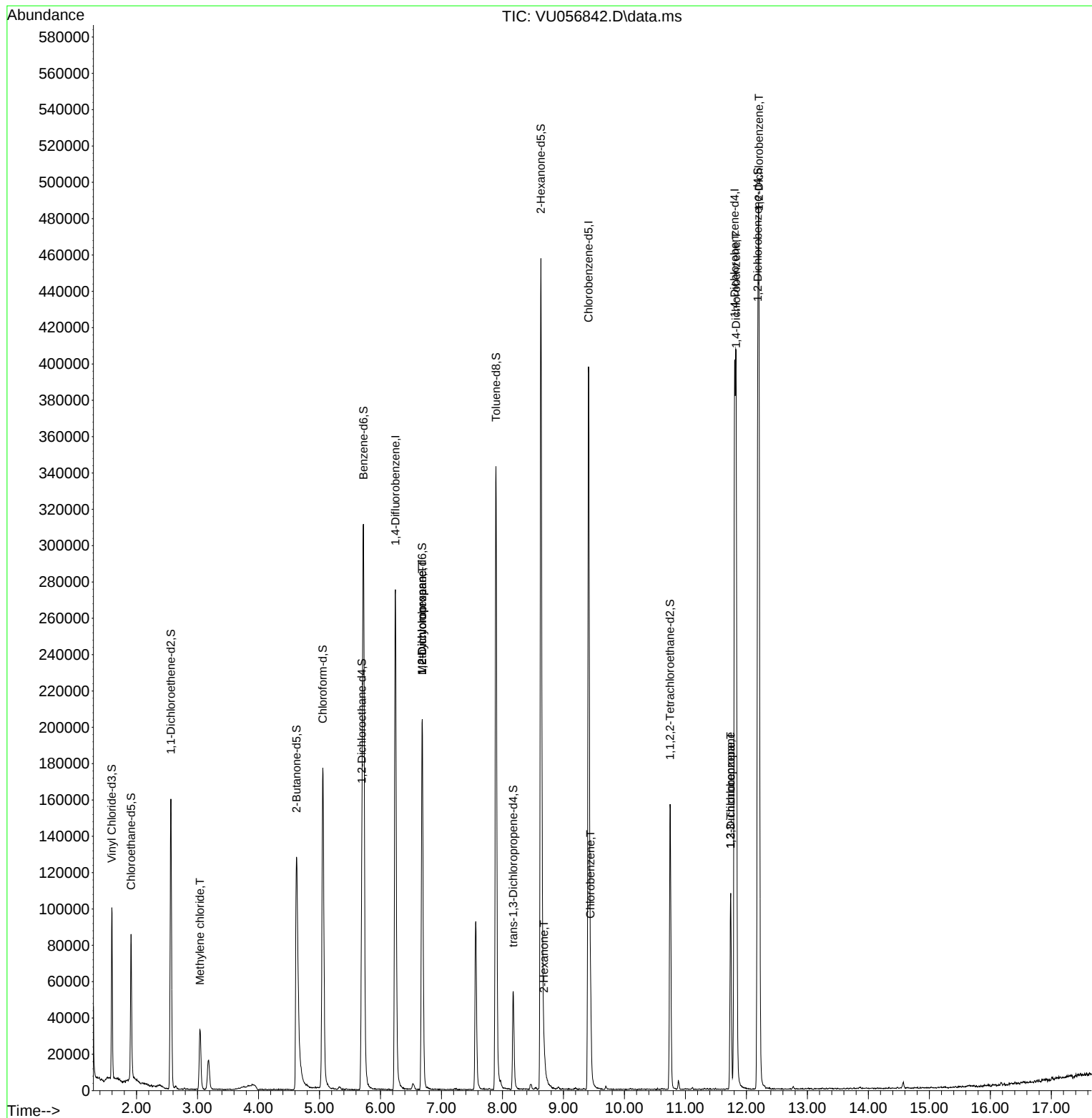
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	227299	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	233046	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97506	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66705	3.424	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.400%
7) Chloroethane-d5	1.911	69	58964	4.044	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.563	65	28850	3.461	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	4.624	46	213012	55.361	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.720%
24) Chloroform-d	5.055	84	171145	4.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.695	65	85847	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.721	84	297917	4.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.685	67	100331	4.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.894	98	238586	3.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	8.177	79	34483	3.930	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.630	63	153078	46.259	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	81410	4.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	92837	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.039	84	17770	0.884	ug/L	90
35) Methylcyclohexane	6.685	83	24020	0.724	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	10500	0.501	ug/L #	89
48) 2-Hexanone	8.682	43	6240	0.881	ug/L #	40
51) Chlorobenzene	9.444	112	26502	0.491	ug/L	91
61) 1,2,3-Trichloropropane	11.743	75	14832	1.417	ug/L #	49
64) 1,3-Dichlorobenzene	11.743	146	43748	1.200	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	148015	4.125	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	150701	4.539	ug/L	99

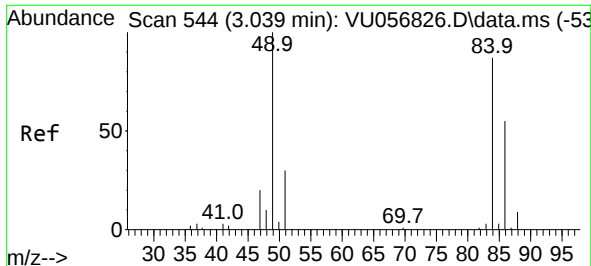
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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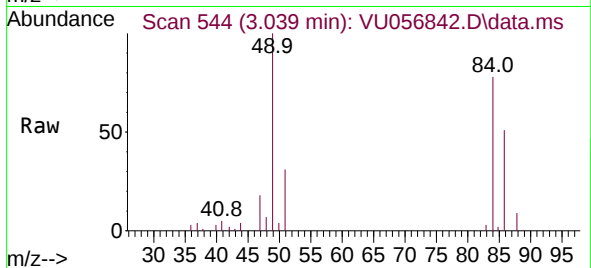
Quant Time: Dec 15 00:53:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
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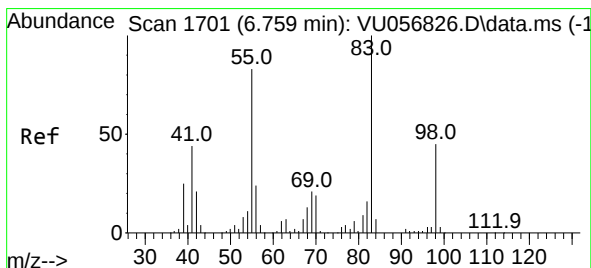
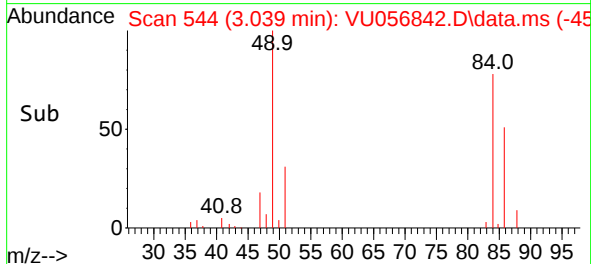
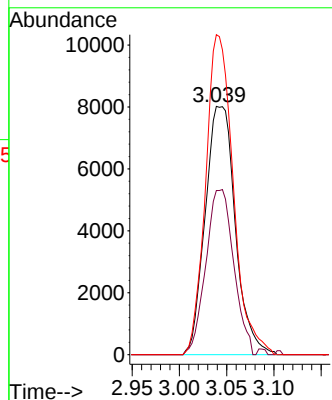


#16
Methylene chloride
Concen: 0.884 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29

Instrument :
MSVOA_U
ClientSampleId :

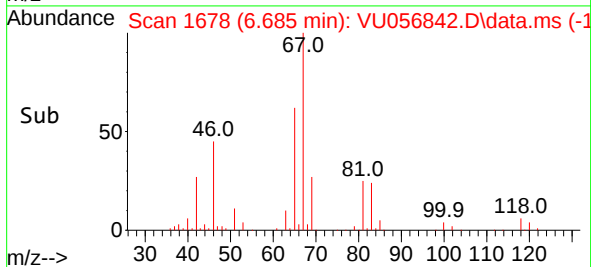
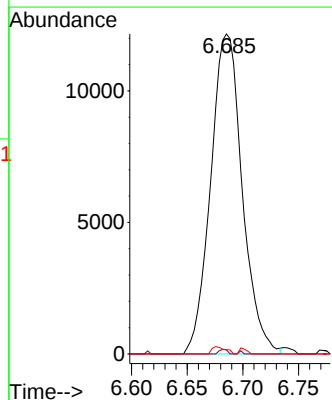
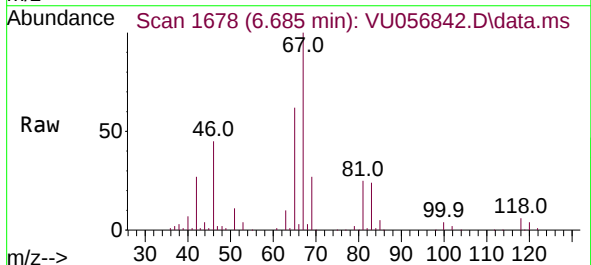


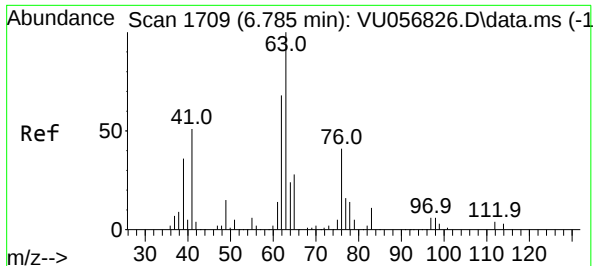
Tgt Ion:	84	Resp:	17770
Ion	Ratio	Lower	Upper
84	100		
86	66.2	43.6	81.0
49	128.9	80.6	149.6



#35
Methylcyclohexane
Concen: 0.724 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29

Tgt Ion:	83	Resp:	24020
Ion	Ratio	Lower	Upper
83	100		
55	0.4	64.6	97.0#
98	1.0	36.1	54.1#





#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056842.D

Acq: 14 Dec 2023 16:29

Instrument :

MSVOA_U

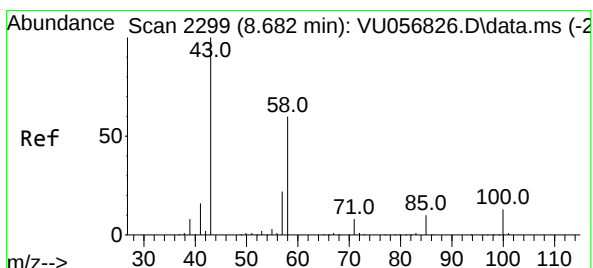
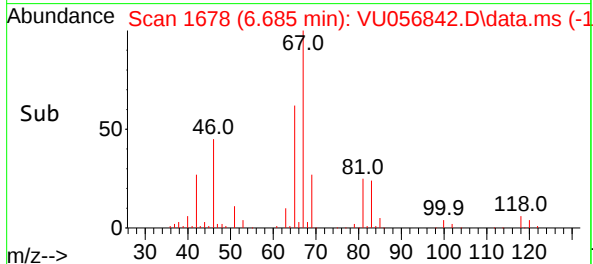
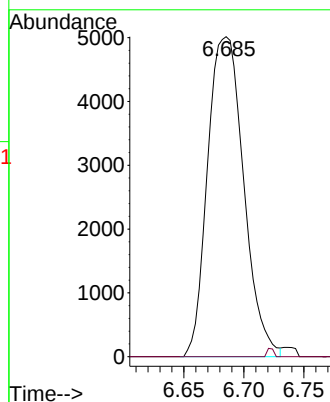
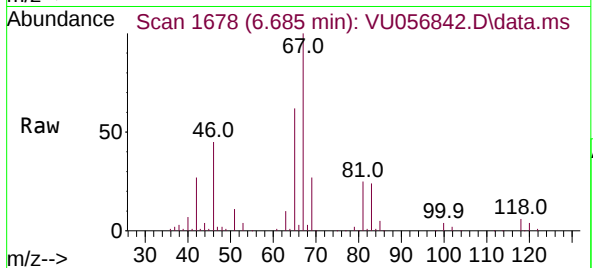
ClientSampleId :

Tgt Ion: 63 Resp: 10500

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#48

2-Hexanone

Concen: 0.881 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU056842.D

Acq: 14 Dec 2023 16:29

Tgt Ion: 43 Resp: 6240

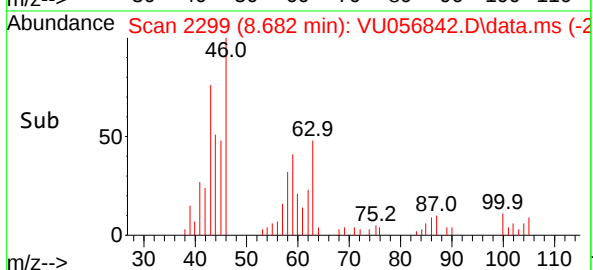
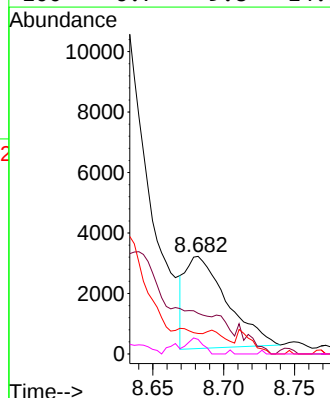
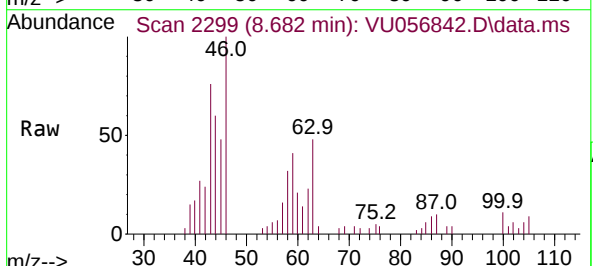
Ion Ratio Lower Upper

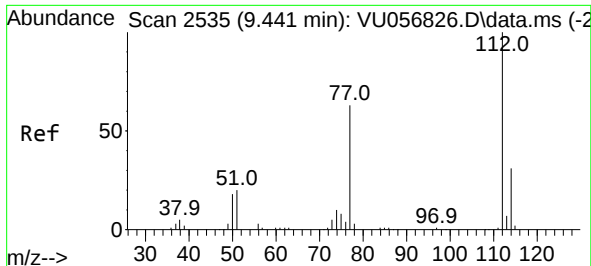
43 100

58 0.0 47.5 71.3#

57 5.0 17.0 25.4#

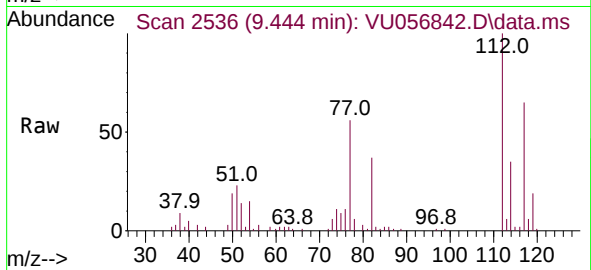
100 6.7 9.8 14.8#



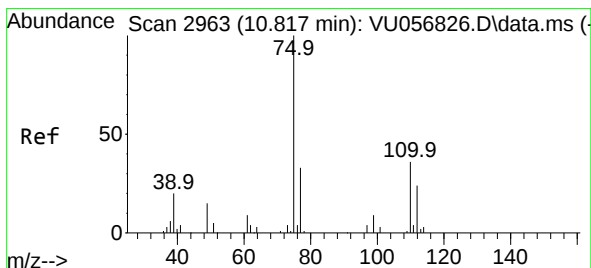
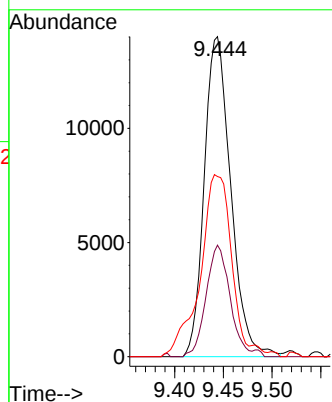
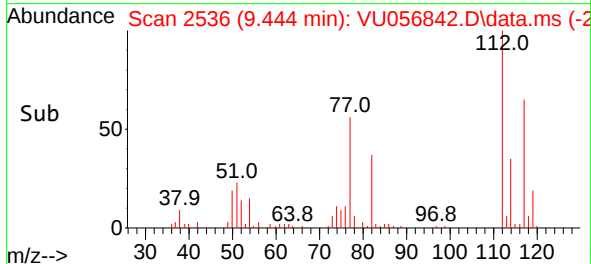


#51
Chlorobenzene
Concen: 0.491 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29

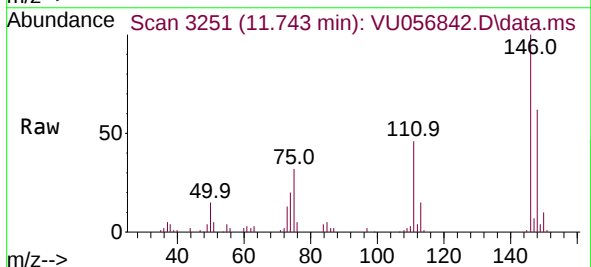
Instrument :
MSVOA_U
ClientSampleId :



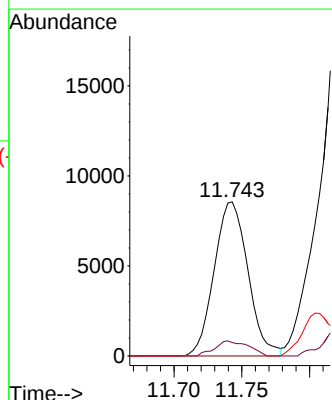
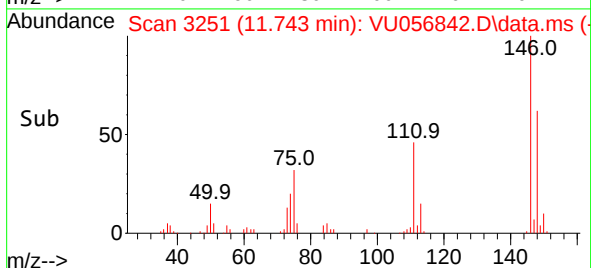
Tgt Ion:112 Resp: 26502
Ion Ratio Lower Upper
112 100
114 34.8 21.9 40.7
77 56.3 51.6 77.4

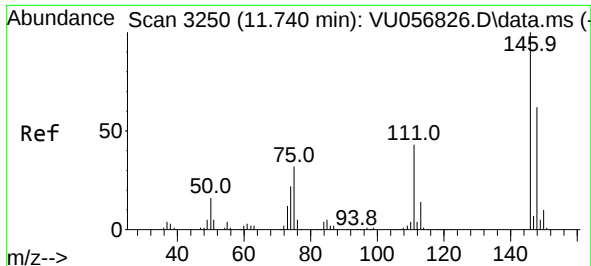


#61
1,2,3-Trichloropropane
Concen: 1.417 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.926 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29



Tgt Ion: 75 Resp: 14832
Ion Ratio Lower Upper
75 100
110 9.7 28.4 42.6#
77 0.0 26.3 39.5#

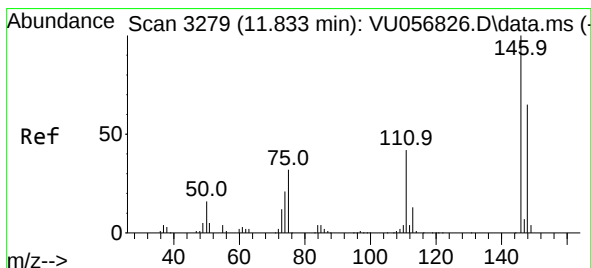
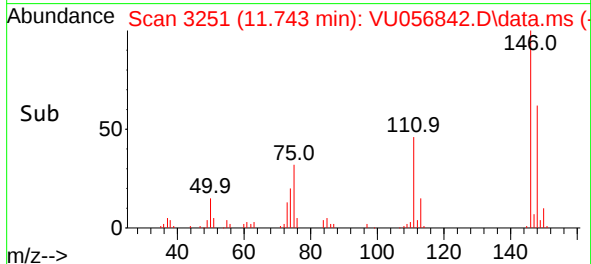
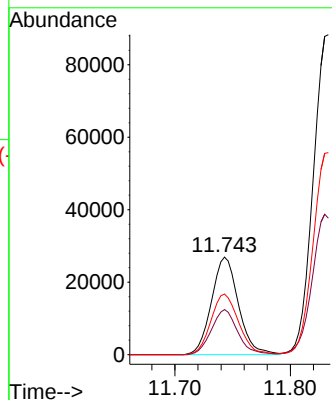
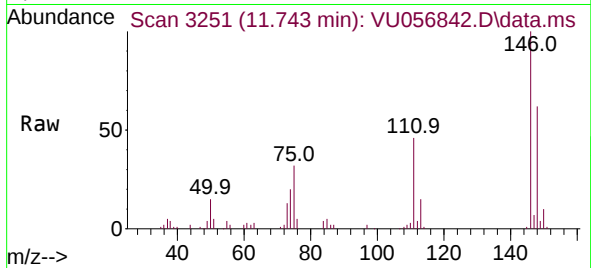




#64
1,3-Dichlorobenzene
Concen: 1.200 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29

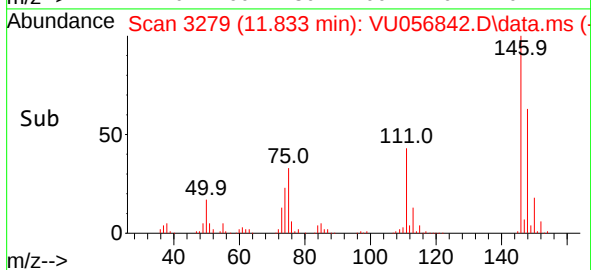
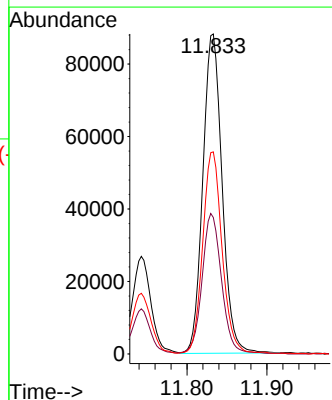
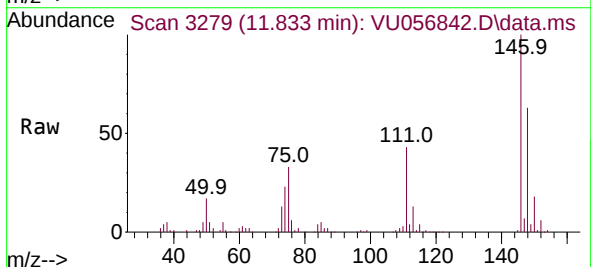
Instrument :
MSVOA_U
ClientSampleId :

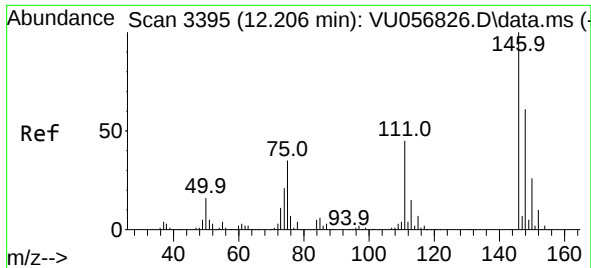
Tgt Ion:146 Resp: 43748
Ion Ratio Lower Upper
146 100
111 46.2 31.7 58.9
148 62.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.125 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056842.D
Acq: 14 Dec 2023 16:29

Tgt Ion:146 Resp: 148015
Ion Ratio Lower Upper
146 100
111 42.7 31.2 58.0
148 63.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.539 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

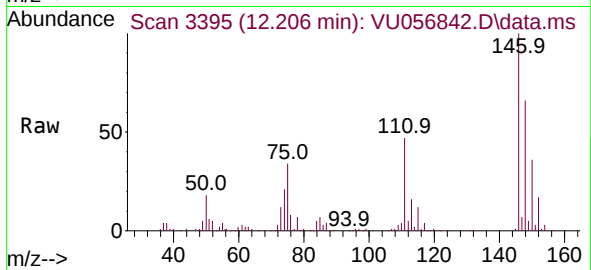
Lab File: VU056842.D

Acq: 14 Dec 2023 16:29

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 150701

Ion Ratio Lower Upper

146 100

111 47.1 36.9 55.3

148 65.5 53.0 79.4

