

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053809.D
 Acq On : 20 Apr 2023 16:22
 Operator : JC/MD
 Sample : 02392-05 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE26

Quant Time: Apr 21 04:21:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

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

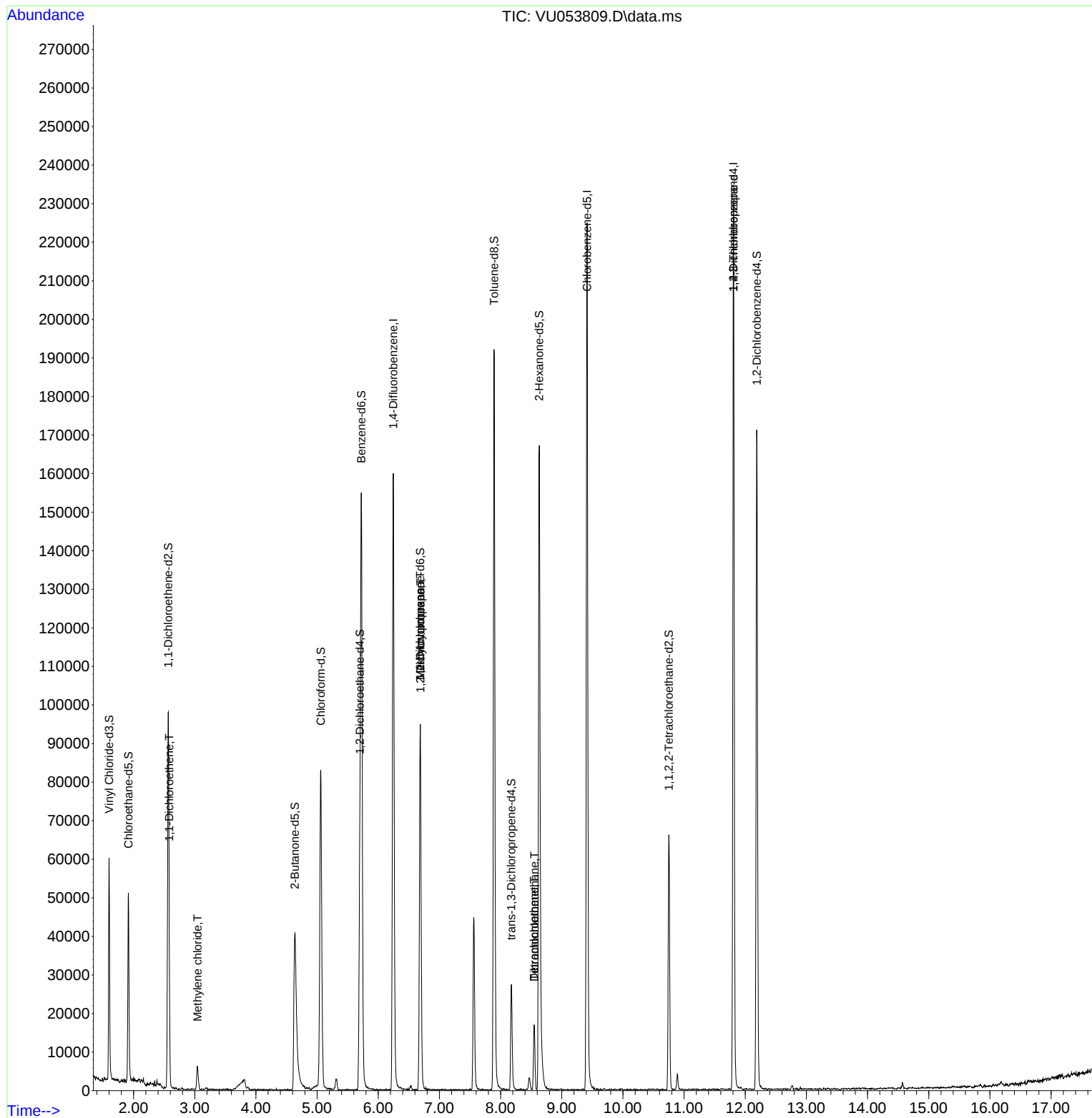
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139284	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	131726	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63609	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	42284	4.413	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.916	69	35800	4.117	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.568	65	16907	4.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.636	46	76588	34.891	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.780%
24) Chloroform-d	5.060	84	75766	4.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.700	65	36783	4.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
32) Benzene-d6	5.726	84	152424	4.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.687	67	48459	4.260	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.893	98	138153	3.923	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.176	79	17221	3.945	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.632	63	62455	35.224	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33432	3.531	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	48587	4.246	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	5255	0.666	ug/L #	1
16) Methylene chloride	3.044	84	3252	0.314	ug/L	93
35) Methylcyclohexane	6.687	83	10928	0.678	ug/L #	22
37) 1,2-Dichloropropane	6.690	63	5040	0.541	ug/L #	89
47) Tetrachloroethene	8.549	164	3847	0.557	ug/L	94
49) Dibromochloromethane	8.552	129	3922	0.599	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	6987	1.326	ug/L #	67

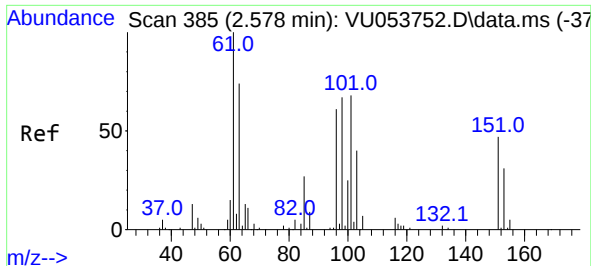
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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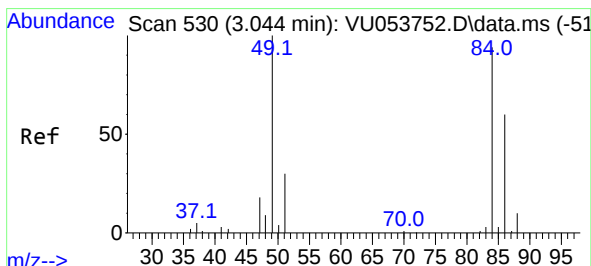
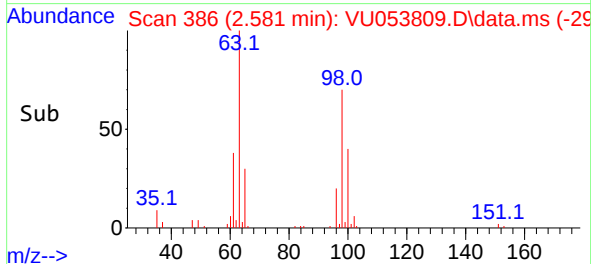
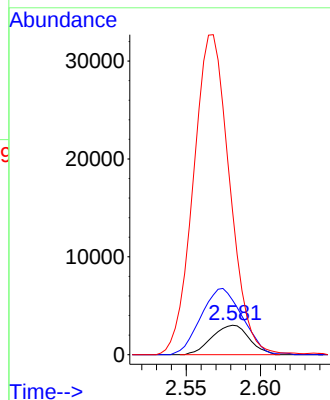
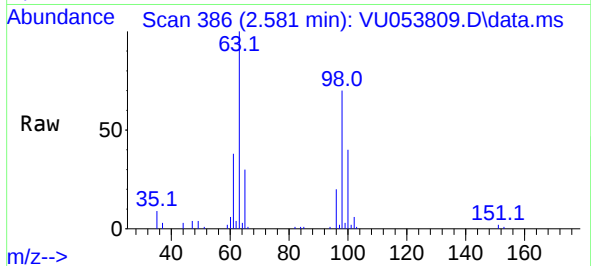




#12
1,1-Dichloroethene
Concen: 0.666 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU053809.D
Acq: 20 Apr 2023 16:22

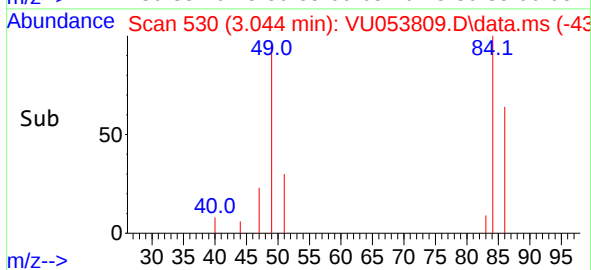
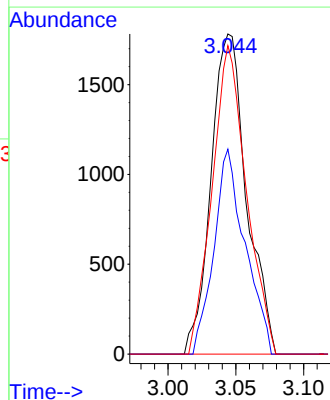
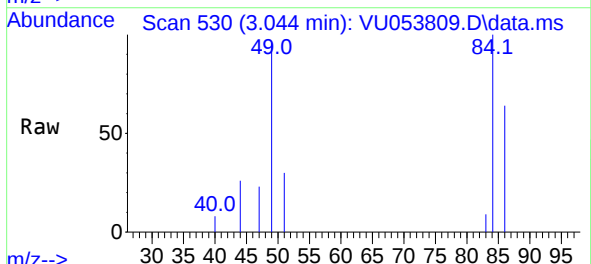
Instrument :
MSVOA_U
ClientSampleId :
BHE26

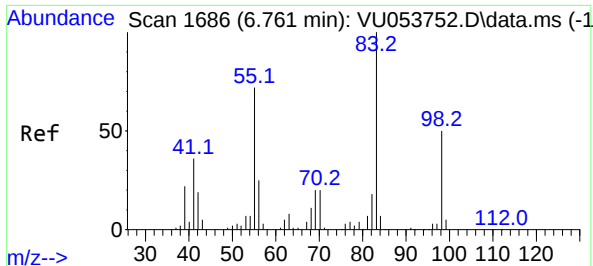
Tgt Ion: 96 Resp: 5255
Ion Ratio Lower Upper
96 100
61 185.3 116.8 216.8
63 488.3 88.6 164.6#



#16
Methylene chloride
Concen: 0.314 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053809.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 84 Resp: 3252
Ion Ratio Lower Upper
84 100
86 64.0 44.7 83.1
49 96.4 75.5 140.1

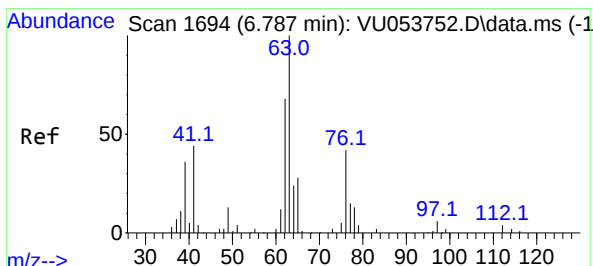
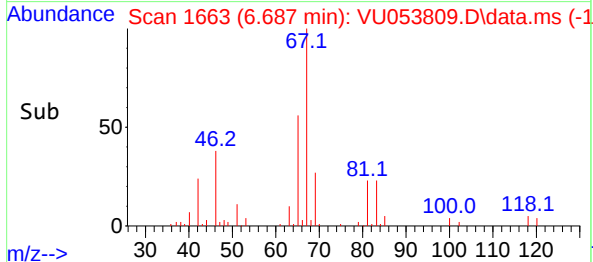
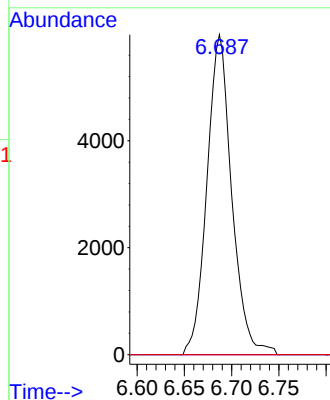
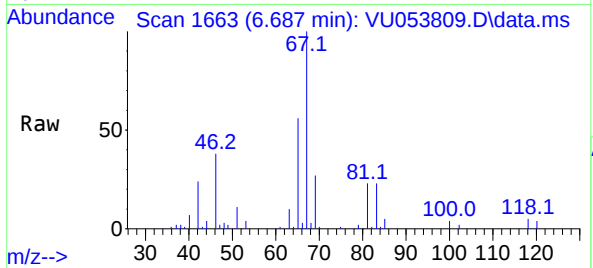




#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053809.D
Acq: 20 Apr 2023 16:22

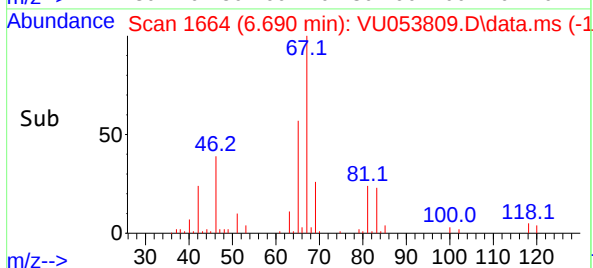
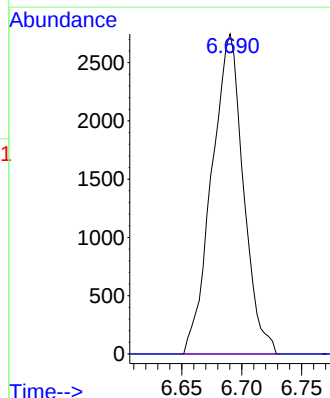
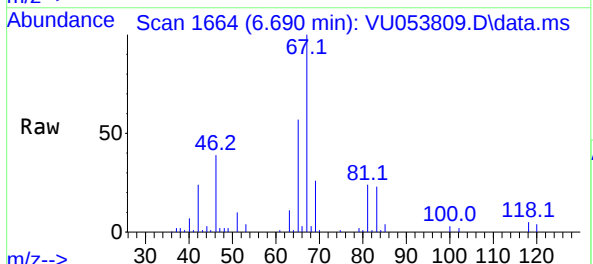
Instrument :
MSVOA_U
ClientSampleId :
BHE26

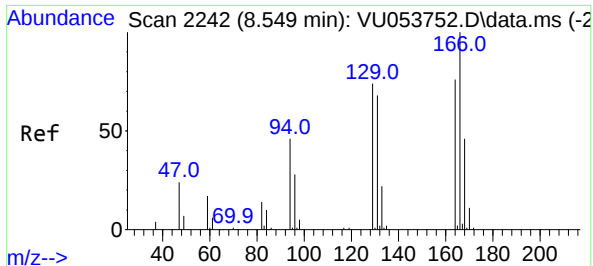
Tgt Ion: 83 Resp: 10928
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 0.4 34.9 52.3#



#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.097 min
Lab File: VU053809.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 63 Resp: 5040
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#47

Tetrachloroethene

Concen: 0.557 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053809.D

Acq: 20 Apr 2023 16:22

Instrument :

MSVOA_U

ClientSampleId :

BHE26

Tgt Ion:164 Resp: 3847

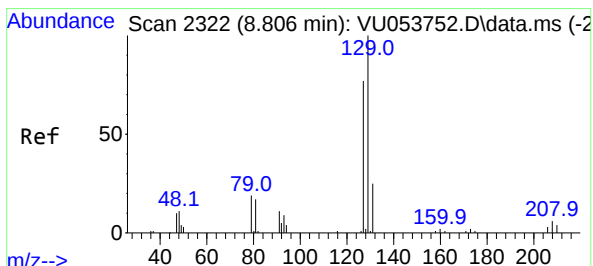
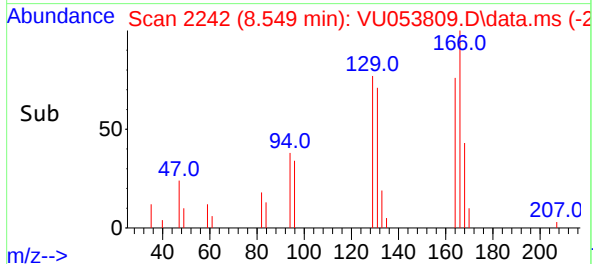
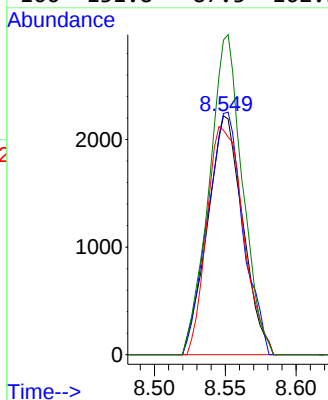
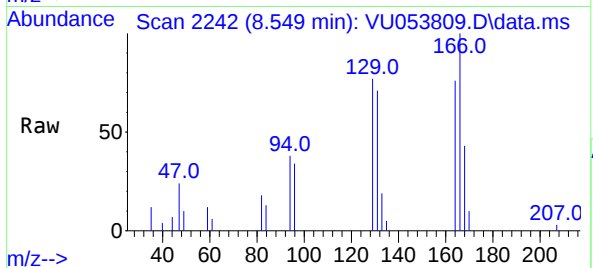
Ion Ratio Lower Upper

164 100

129 100.9 74.8 138.8

131 94.0 70.1 130.1

166 131.8 87.3 162.1



#49

Dibromochloromethane

Concen: 0.599 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.254 min

Lab File: VU053809.D

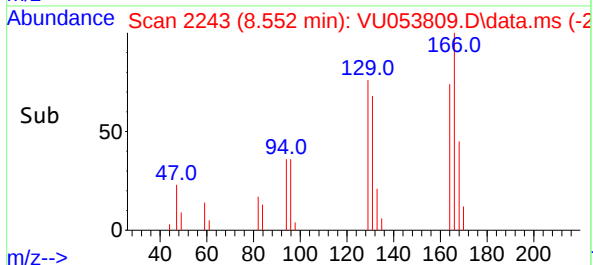
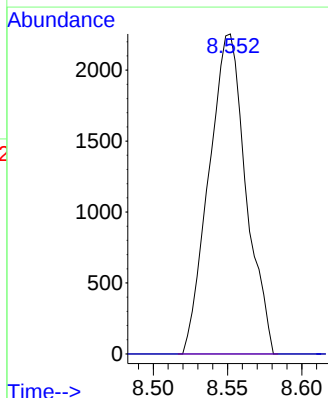
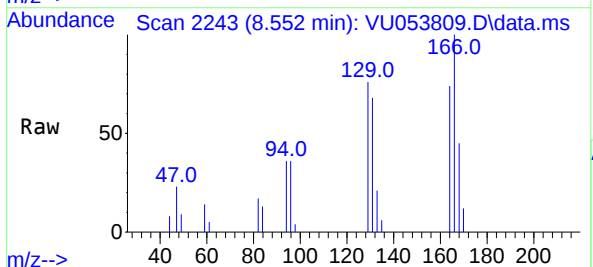
Acq: 20 Apr 2023 16:22

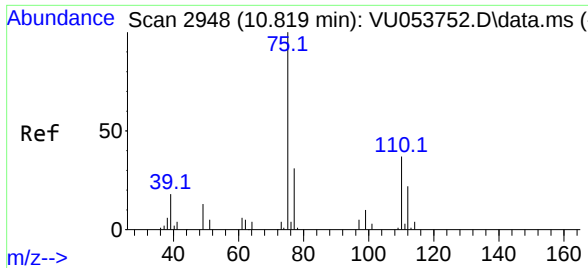
Tgt Ion:129 Resp: 3922

Ion Ratio Lower Upper

129 100

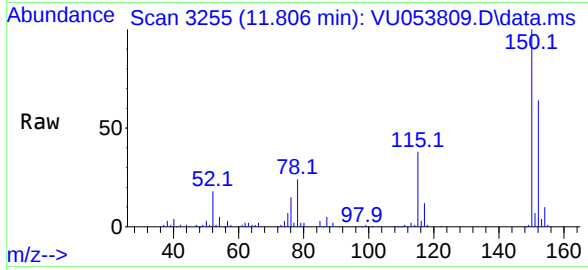
127 0.0 52.2 97.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.326 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU053809.D
 Acq: 20 Apr 2023 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 6987

Ion	Ratio	Lower	Upper
75	100		
110	2.0	30.6	46.0#
77	32.4	26.1	39.1

