

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046369.D
 Acq On : 14 Dec 2021 20:17
 Operator : SY/MD
 Sample : M5002-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CY0

Quant Time: Dec 15 03:44:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 03:40:56 2021
 Response via : Initial Calibration

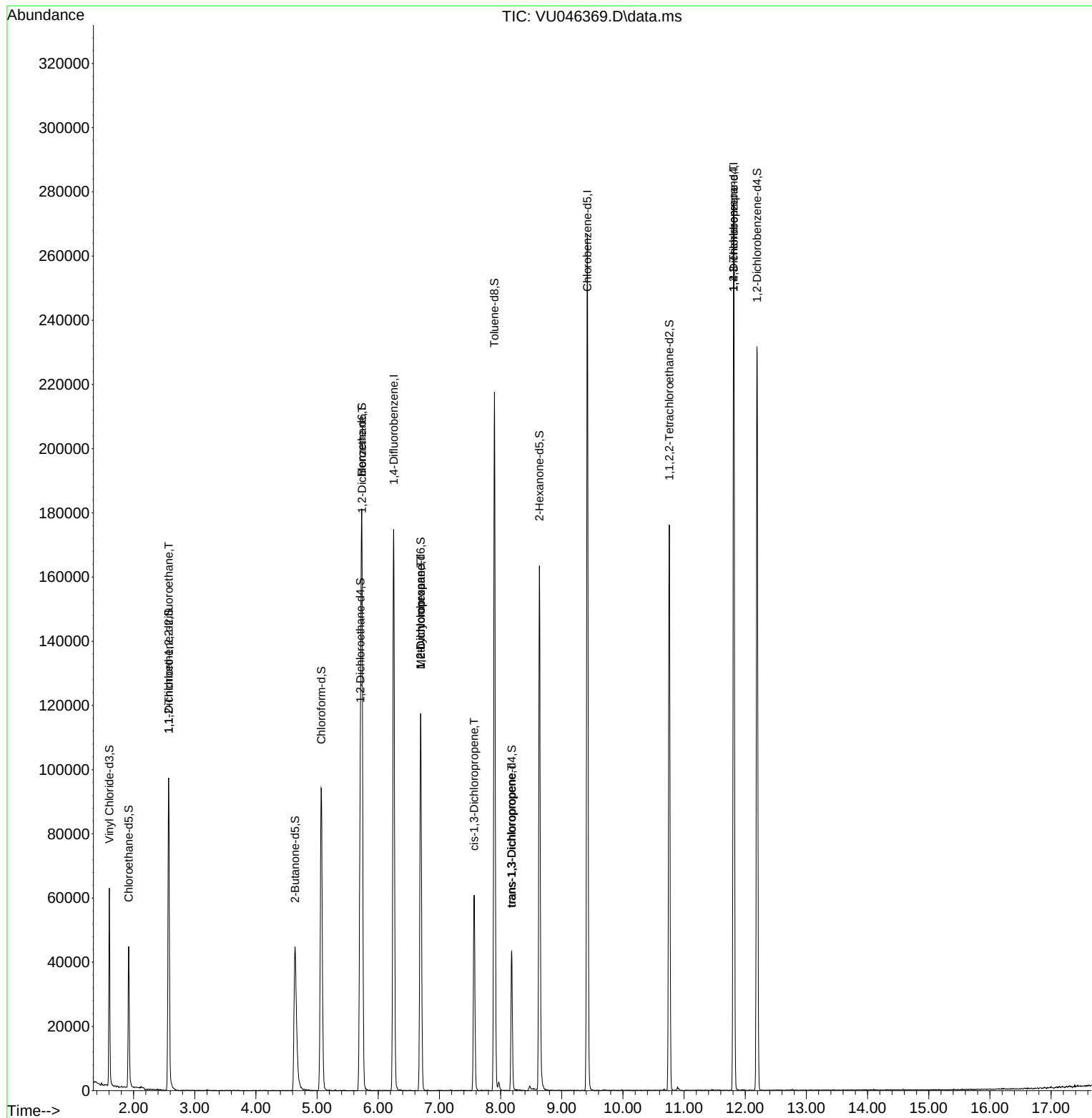
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	141098	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	145516	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70684	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	43794	37.679	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	75.360%	
7) Chloroethane-d5	1.919	69	34667	38.847	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	77.700%	
11) 1,1-Dichloroethene-d2	2.575	63	58934	28.245	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	56.500%#	
21) 2-Butanone-d5	4.639	46	81116	87.791	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	87.790%	
24) Chloroform-d	5.070	84	89808	46.270	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.540%	
26) 1,2-Dichloroethane-d4	5.707	65	60947	46.788	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.580%	
32) Benzene-d6	5.732	84	167617	40.189	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	80.380%	
36) 1,2-Dichloropropane-d6	6.694	67	54246	41.967	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	83.940%	
41) Toluene-d8	7.899	98	140305	36.947	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	73.900%#	
43) trans-1,3-Dichloroprop...	8.182	79	24572	39.380	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	78.760%	
47) 2-Hexanone-d5	8.636	63	58770	95.894	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	95.890%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	85887	43.814	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	87.620%	
66) 1,2-Dichlorobenzene-d4	12.192	152	58594	43.044	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	86.080%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	386	0.376	ug/L #	21
27) 1,2-Dichloroethane	5.735	62	980	0.633	ug/L #	73
35) Methylcyclohexane	6.694	83	13246	7.363	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6215	5.387	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1596	0.909	ug/L #	69
44) trans-1,3-Dichloropropene	8.179	75	1150	0.667	ug/L	95
60) 1,2,3-Trichloropropane	11.809	75	8558	5.523	ug/L #	66

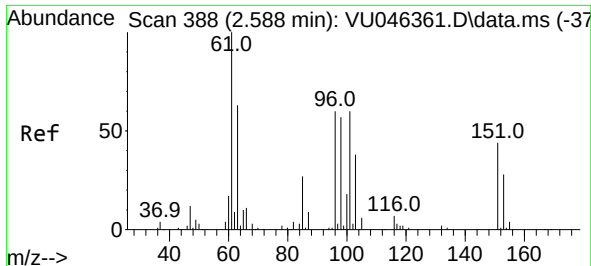
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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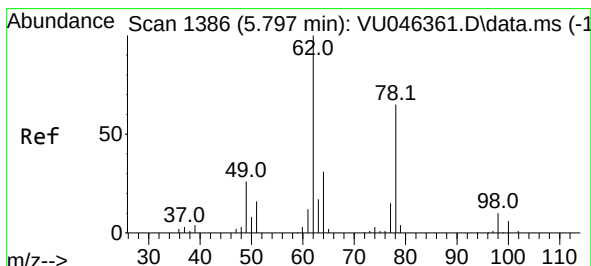
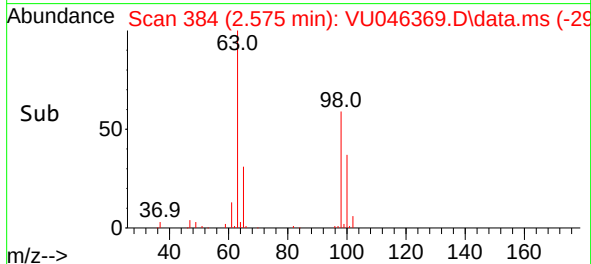
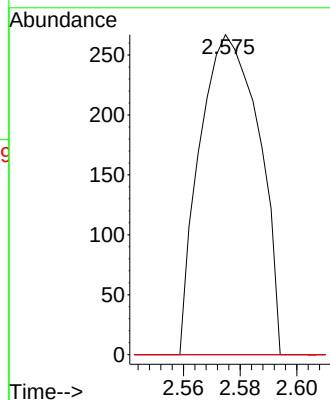
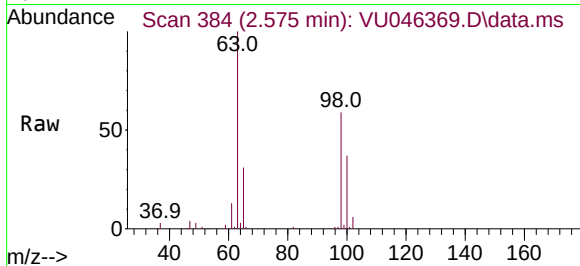




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.376 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046369.D
 Acq: 14 Dec 2021 20:17

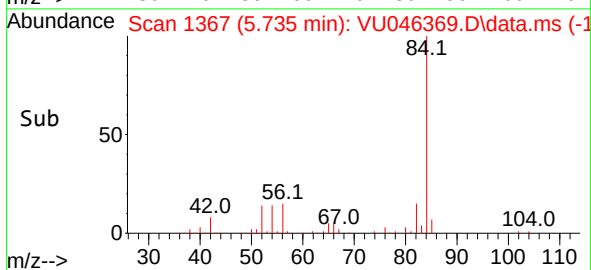
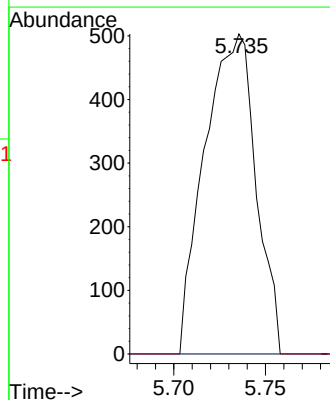
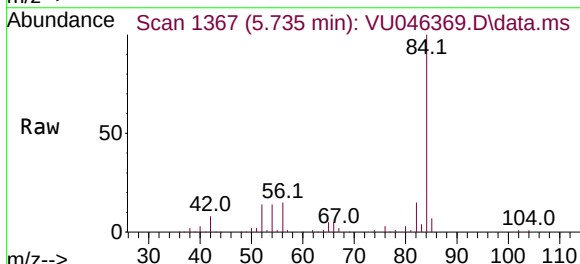
Instrument :
 MSVOA_U
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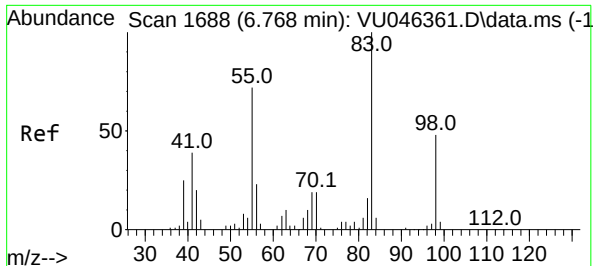
Tgt Ion:101 Resp: 386
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#27
 1,2-Dichloroethane
 Concen: 0.633 ug/L
 RT: 5.735 min Scan# 1367
 Delta R.T. -0.061 min
 Lab File: VU046369.D
 Acq: 14 Dec 2021 20:17

Tgt Ion: 62 Resp: 980
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#

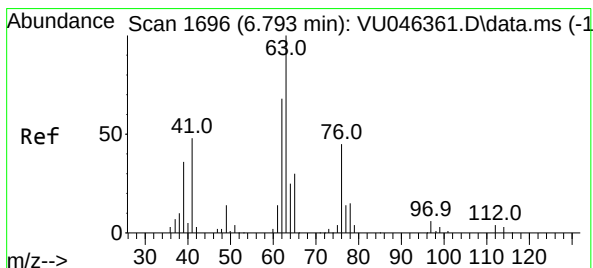
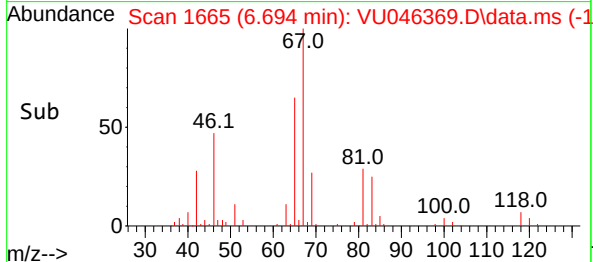
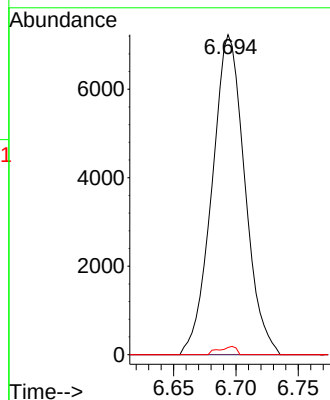
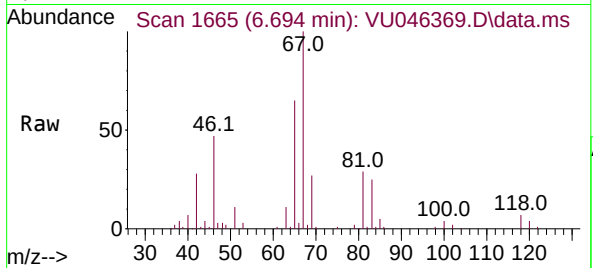




#35
Methylcyclohexane
Concen: 7.363 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046369.D
Acq: 14 Dec 2021 20:17

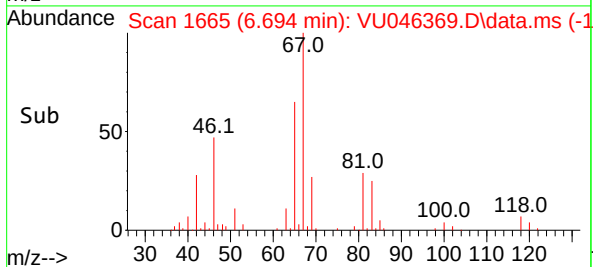
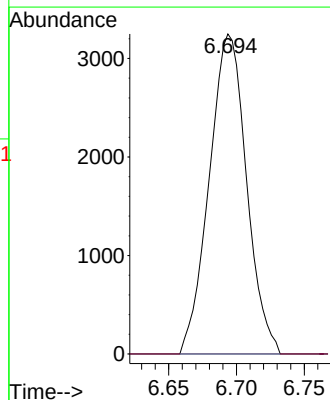
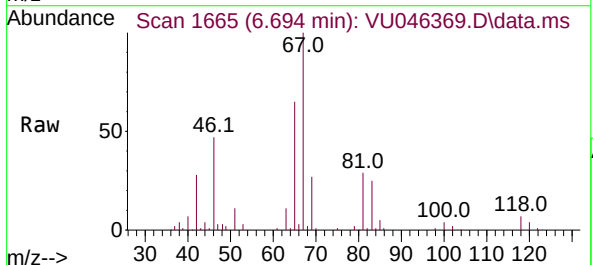
Instrument :
MSVOA_U
ClientSampleId :
C0CY0

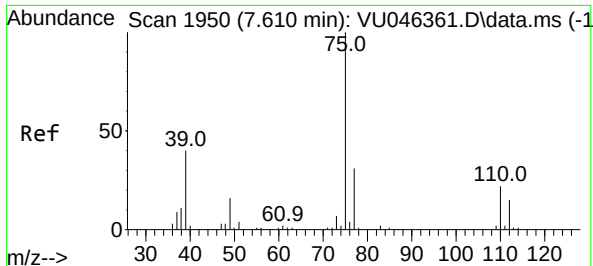
Tgt Ion: 83 Resp: 13246
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.387 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046369.D
Acq: 14 Dec 2021 20:17

Tgt Ion: 63 Resp: 6215
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.909 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046369.D

Acq: 14 Dec 2021 20:17

Instrument :

MSVOA_U

ClientSampleId :

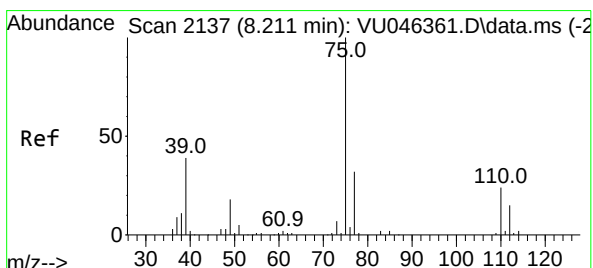
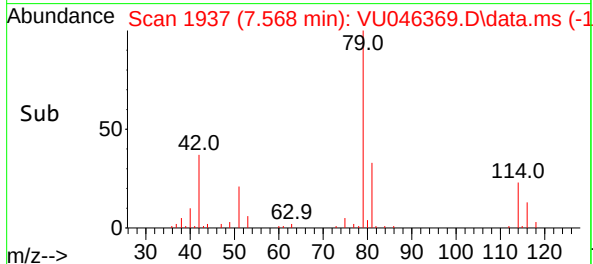
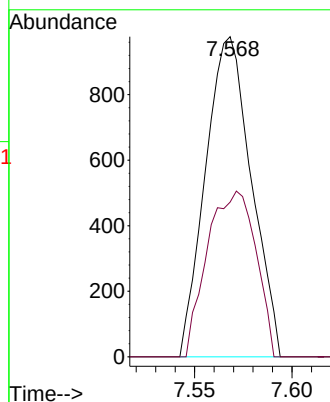
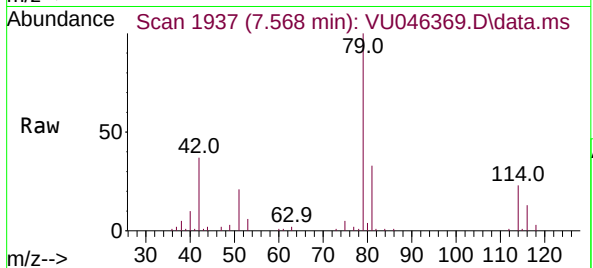
COCY0

Tgt Ion: 75 Resp: 1596

Ion Ratio Lower Upper

75 100

77 48.3 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU046369.D

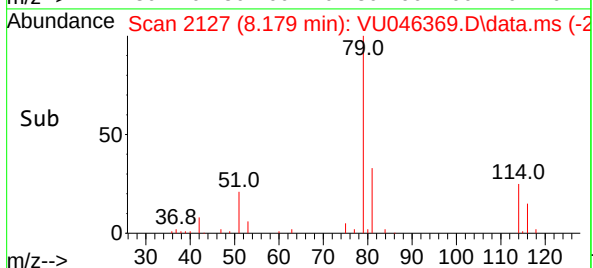
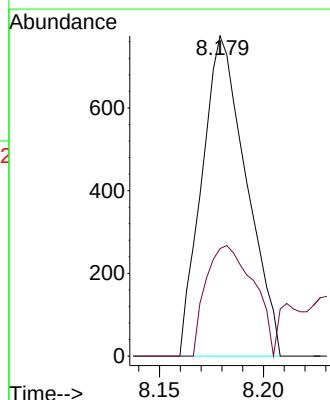
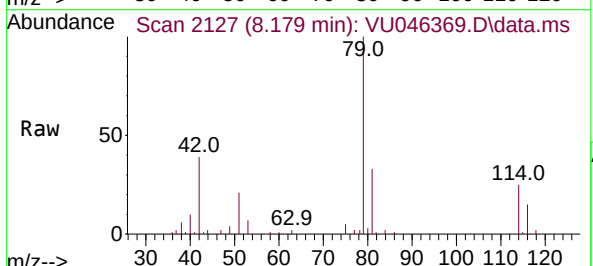
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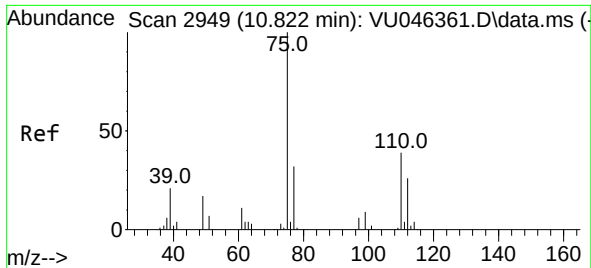
Tgt Ion: 75 Resp: 1150

Ion Ratio Lower Upper

75 100

77 33.6 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.523 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046369.D
 Acq: 14 Dec 2021 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CY0

Tgt Ion: 75 Resp: 8558
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.4 39.6
 110 1.7 32.4 48.6#

