

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046371.D
 Acq On : 14 Dec 2021 21:02
 Operator : SY/MD
 Sample : M5002-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CY3

Quant Time: Dec 15 03:45:21 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)

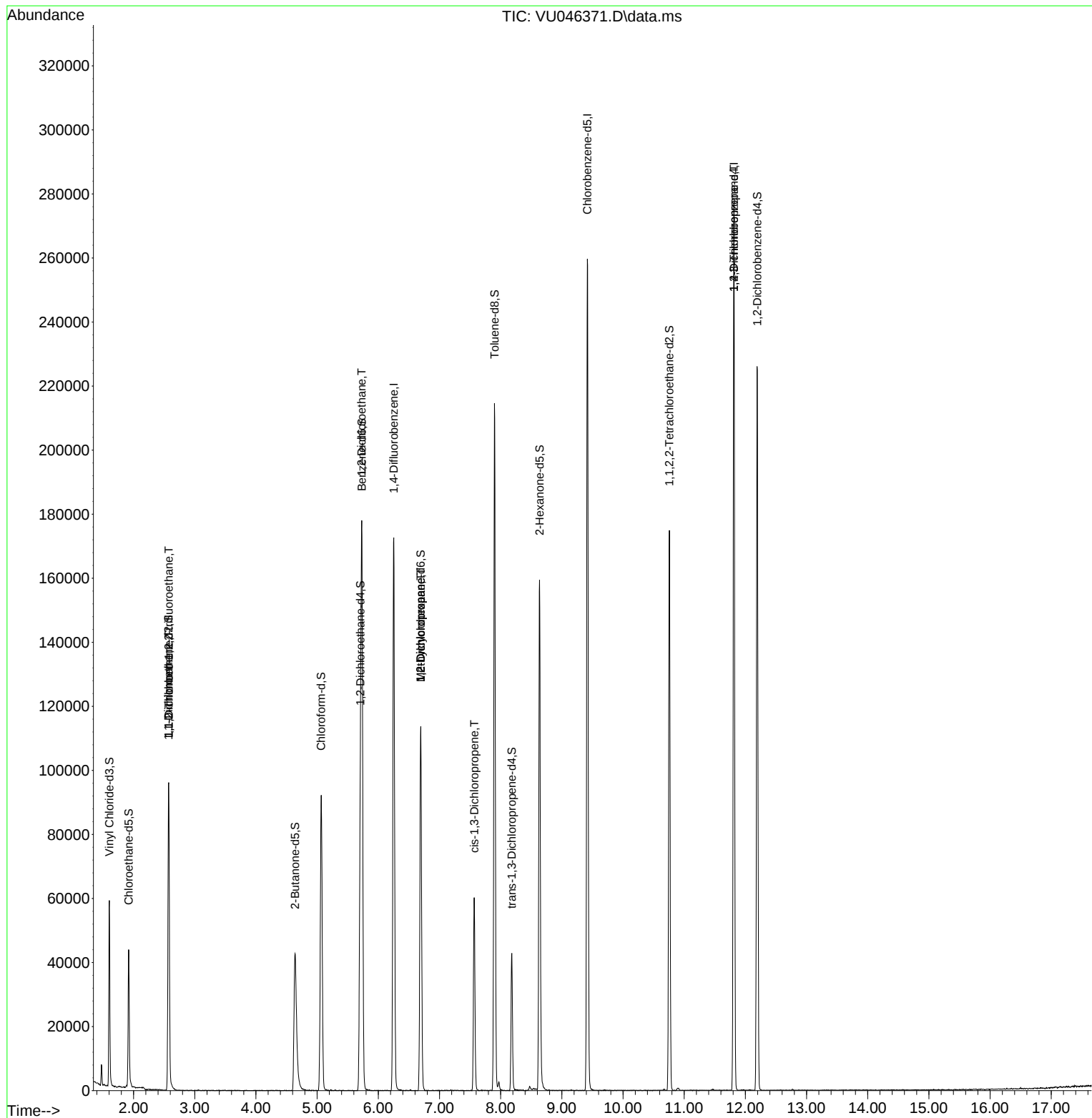
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	138475	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	144443	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	42971	37.671	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.340%
7) Chloroethane-d5	1.919	69	33375	38.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.220%
11) 1,1-Dichloroethene-d2	2.572	63	58154	28.399	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.800%#
21) 2-Butanone-d5	4.639	46	80341	88.599	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.600%
24) Chloroform-d	5.067	84	86868	45.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.706	65	59289	46.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.760%
32) Benzene-d6	5.732	84	165557	39.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.980%
36) 1,2-Dichloropropane-d6	6.694	67	54645	42.590	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.180%
41) Toluene-d8	7.899	98	137119	36.376	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.760%#
43) trans-1,3-Dichloroprop...	8.182	79	24939	40.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.520%
47) 2-Hexanone-d5	8.636	63	57137	93.922	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84022	43.181	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	58121	42.793	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.580%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	493	0.489	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	502	0.524	ug/L #	1
27) 1,2-Dichloroethane	5.729	62	838	0.552	ug/L #	73
35) Methylcyclohexane	6.694	83	13358	7.480	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6172	5.389	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1444	0.829	ug/L #	74
60) 1,2,3-Trichloropropane	11.812	75	8376	5.418	ug/L #	65

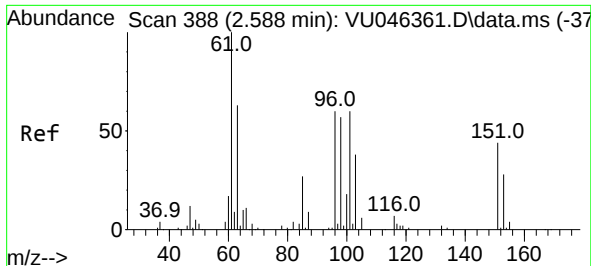
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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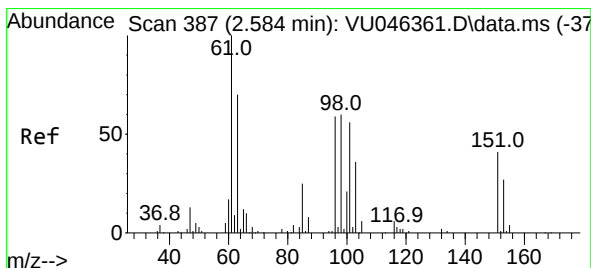
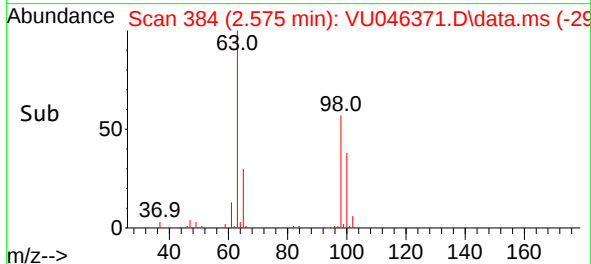
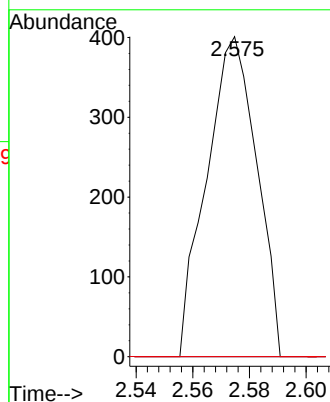
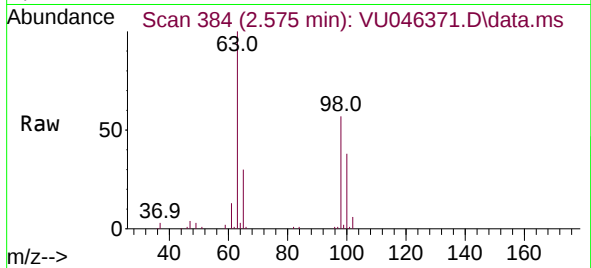




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.489 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046371.D
 Acq: 14 Dec 2021 21:02

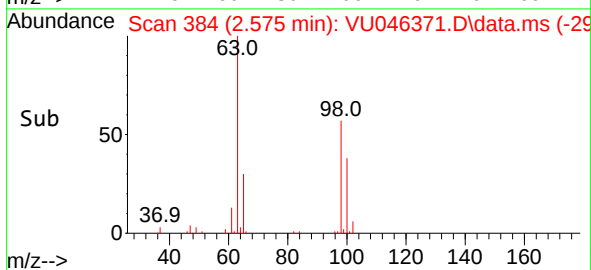
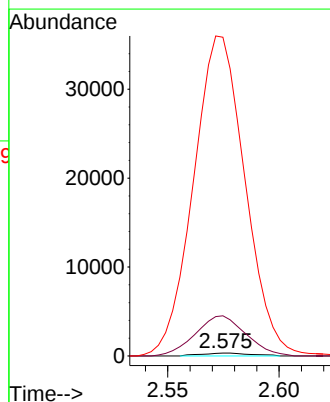
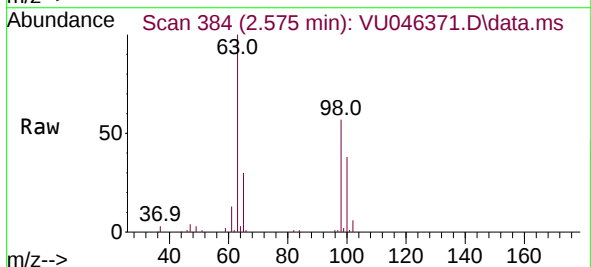
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CY3

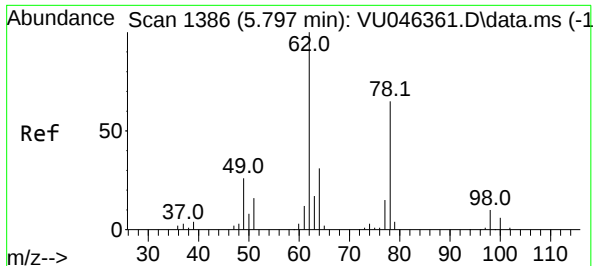
Tgt Ion:101 Resp: 493
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.524 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU046371.D
 Acq: 14 Dec 2021 21:02

Tgt Ion: 96 Resp: 502
 Ion Ratio Lower Upper
 96 100
 61 1400.6 118.6 220.2#
 63 11135.4 93.0 172.8#





#27

1,2-Dichloroethane

Concen: 0.552 ug/L

RT: 5.729 min Scan# 11

Delta R.T. -0.068 min

Lab File: VU046371.D

Acq: 14 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

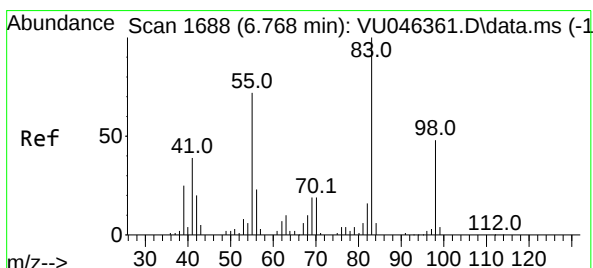
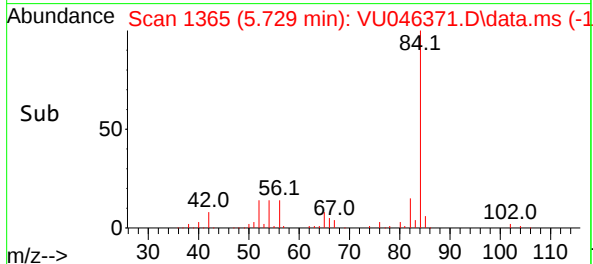
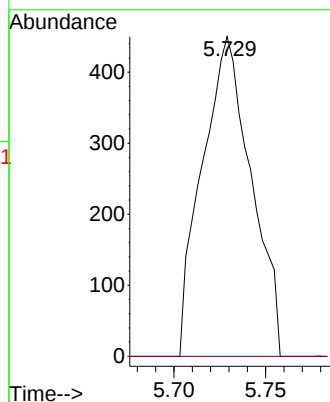
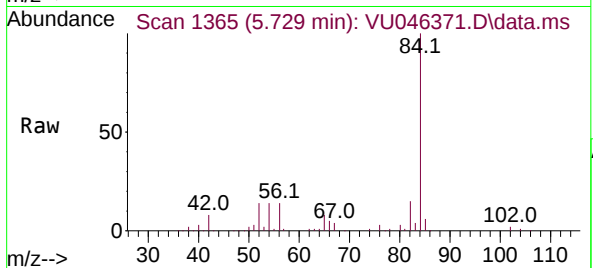
COCY3

Tgt Ion: 62 Resp: 838

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 7.480 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046371.D

Acq: 14 Dec 2021 21:02

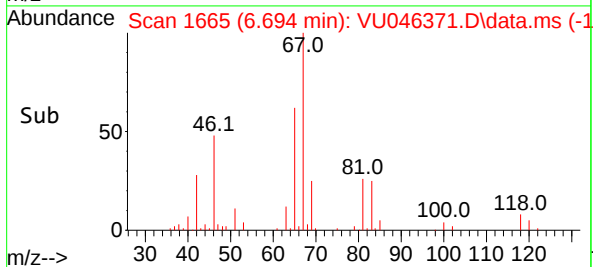
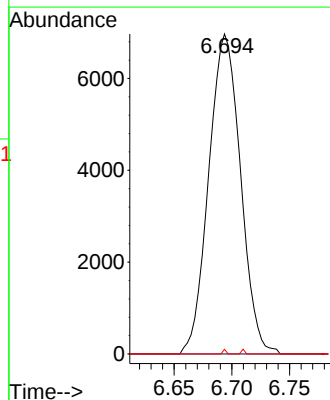
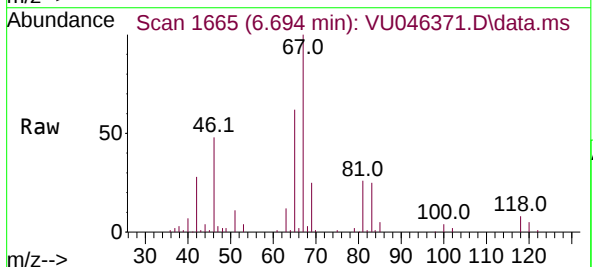
Tgt Ion: 83 Resp: 13358

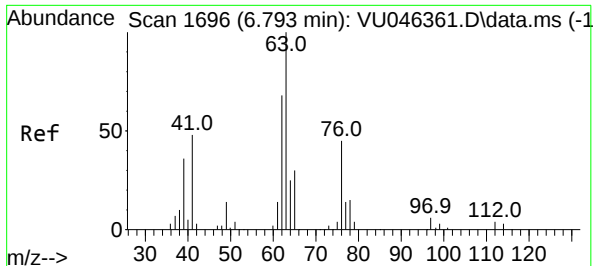
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.0 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.389 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046371.D

Acq: 14 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

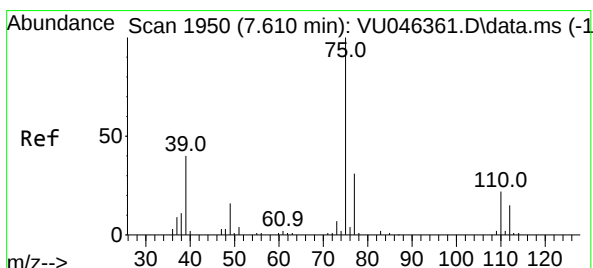
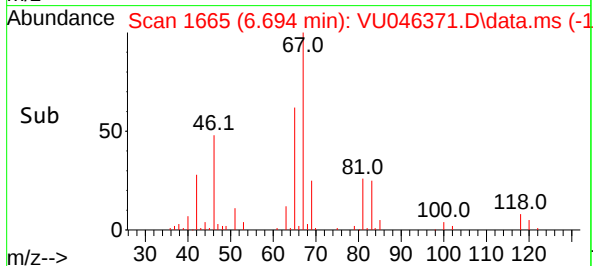
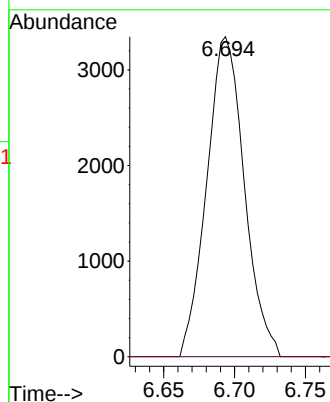
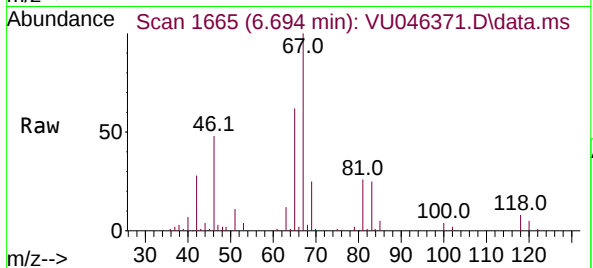
COCY3

Tgt Ion: 63 Resp: 6172

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.829 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046371.D

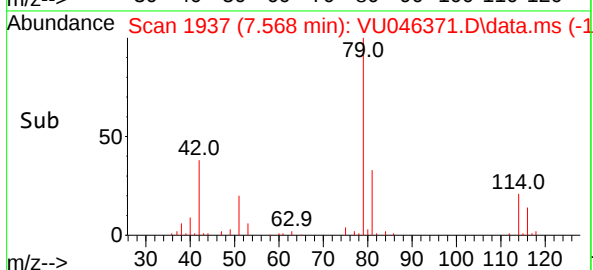
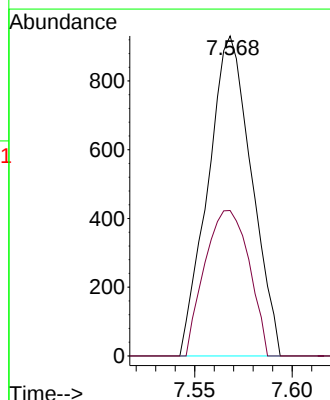
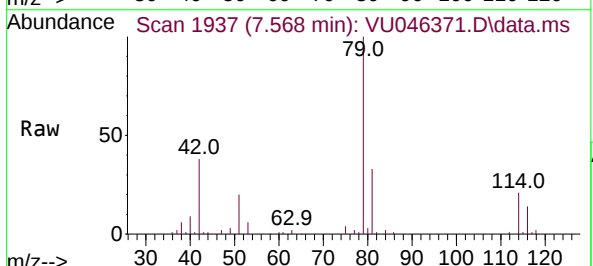
Acq: 14 Dec 2021 21:02

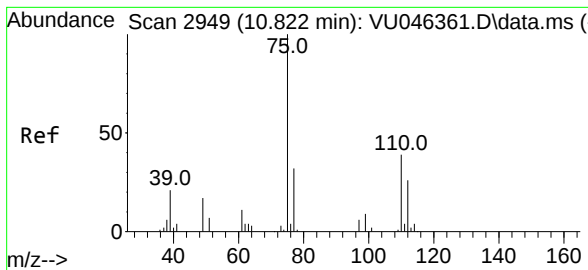
Tgt Ion: 75 Resp: 1444

Ion Ratio Lower Upper

75 100

77 45.4 21.8 40.6#





#60
 1,2,3-Trichloropropane
 Concen: 5.418 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046371.D
 Acq: 14 Dec 2021 21:02

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75	Resp:	8376
Ion Ratio	Lower	Upper
75	100	
77	33.9	26.4 39.6
110	1.5	32.4 48.6#

