

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046373.D
 Acq On : 14 Dec 2021 21:47
 Operator : SY/MD
 Sample : M5002-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D17

Quant Time: Dec 15 03:45:45 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)

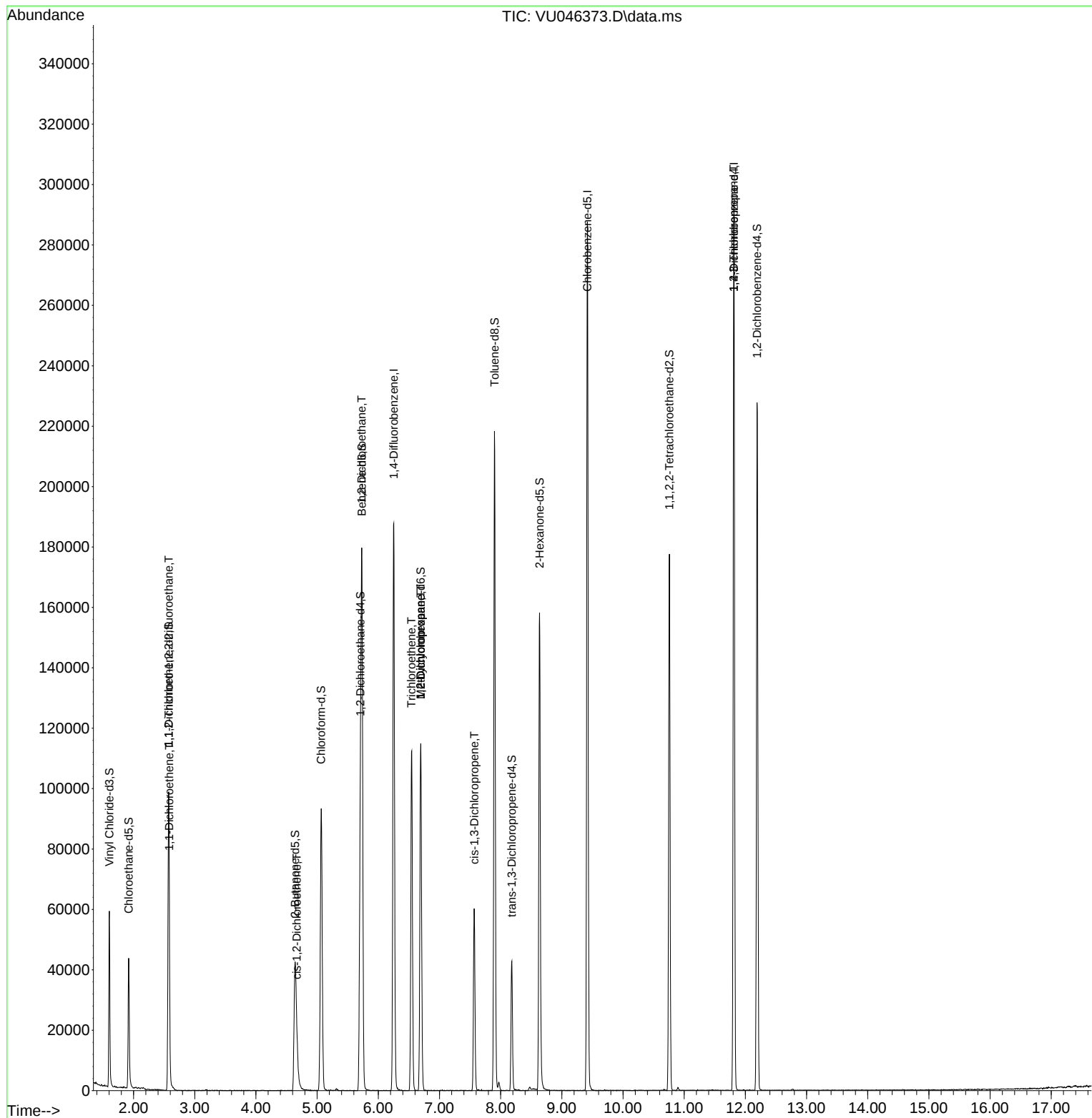
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	151131	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	159744	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	42815	34.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.780%
7) Chloroethane-d5	1.919	69	33924	35.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.980%
11) 1,1-Dichloroethene-d2	2.575	63	58495	26.174	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.340%#
21) 2-Butanone-d5	4.639	46	80758	81.601	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.600%
24) Chloroform-d	5.067	84	89506	43.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.100%
26) 1,2-Dichloroethane-d4	5.707	65	60132	43.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.200%
32) Benzene-d6	5.732	84	166560	36.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.760%
36) 1,2-Dichloropropane-d6	6.694	67	54963	38.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.460%
41) Toluene-d8	7.899	98	140347	33.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.340%#
43) trans-1,3-Dichloroprop...	8.182	79	24561	35.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.720%
47) 2-Hexanone-d5	8.636	63	58608	87.112	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84721	39.370	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.740%
66) 1,2-Dichlorobenzene-d4	12.192	152	57727	38.970	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.940%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	514	0.467	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	2594	2.482	ug/L #	1
20) cis-1,2-Dichloroethene	4.668	96	1518	1.265	ug/L	98
27) 1,2-Dichloroethane	5.729	62	909	0.548	ug/L #	73
34) Trichloroethene	6.543	95	38563	30.276	ug/L	98
35) Methylcyclohexane	6.694	83	13502	6.837	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6157	4.861	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1541	0.800	ug/L #	66
60) 1,2,3-Trichloropropane	11.809	75	9102	5.398	ug/L #	66

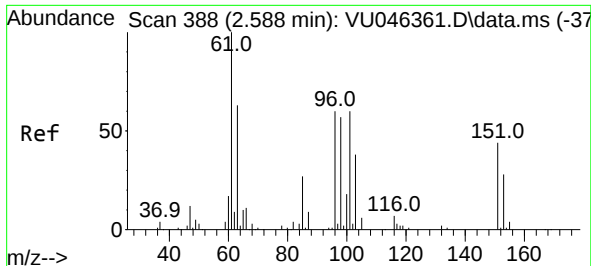
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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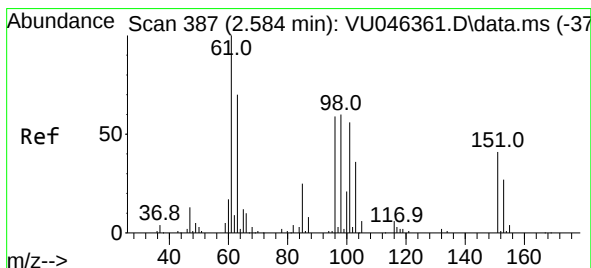
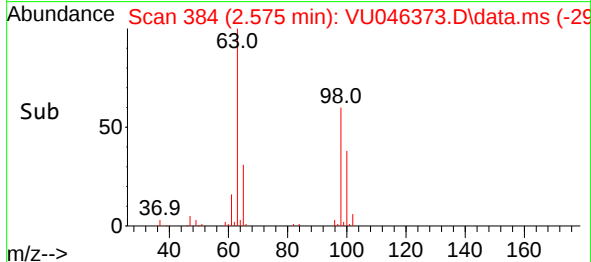
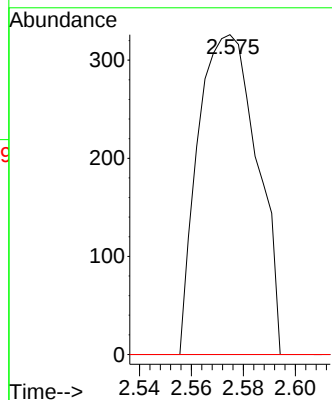
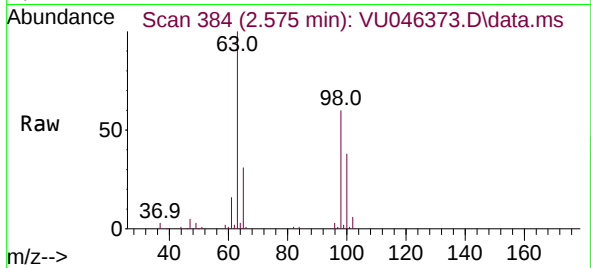




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.467 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046373.D
Acq: 14 Dec 2021 21:47

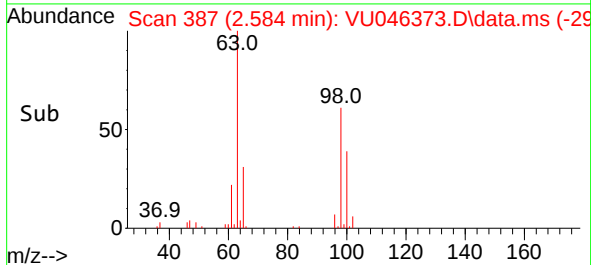
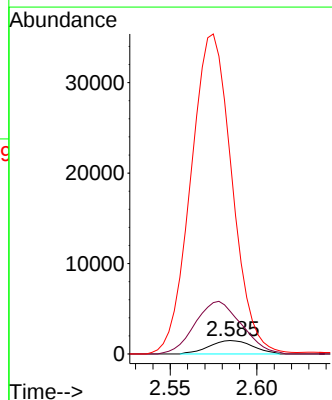
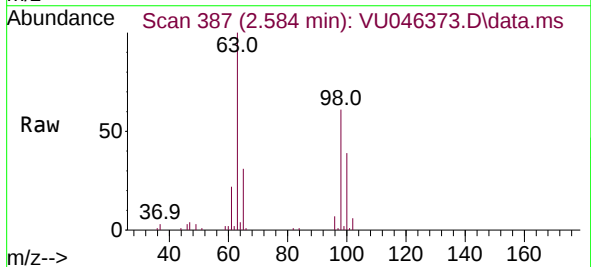
Instrument :
MSVOA_U
ClientSampleId :
C0D17

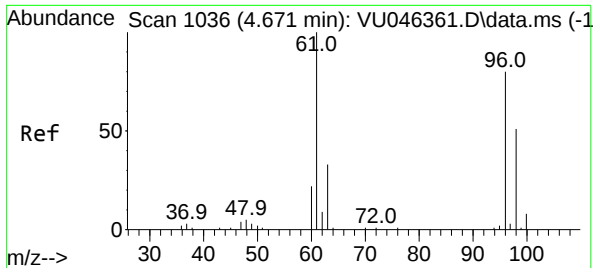
Tgt Ion:101 Resp: 514
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 2.482 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU046373.D
Acq: 14 Dec 2021 21:47

Tgt Ion: 96 Resp: 2594
Ion Ratio Lower Upper
96 100
61 318.1 118.6 220.2#
63 1463.0 93.0 172.8#

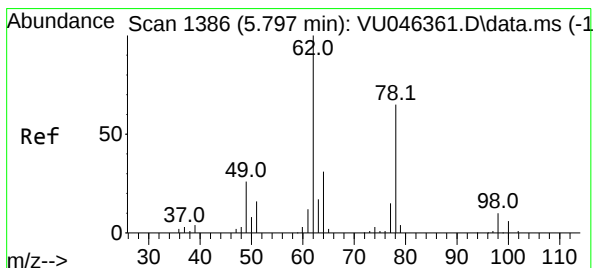
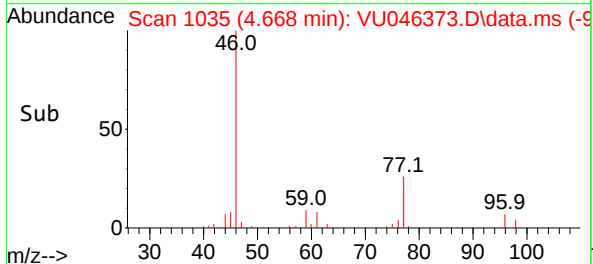
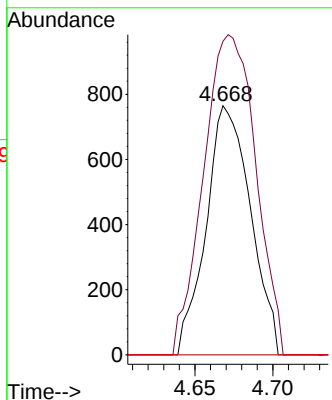
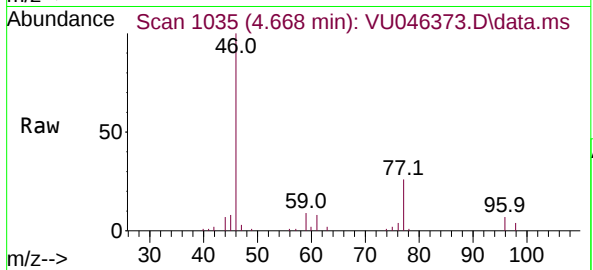




#20
 cis-1,2-Dichloroethene
 Concen: 1.265 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU046373.D
 Acq: 14 Dec 2021 21:47

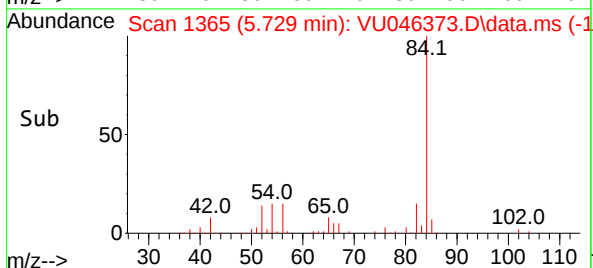
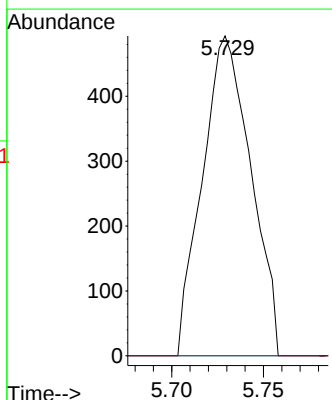
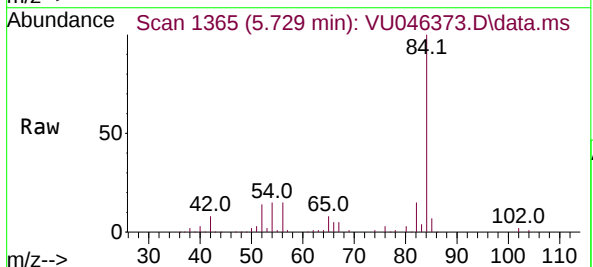
Instrument :
 MSVOA_U
 ClientSampleId :
 C0D17

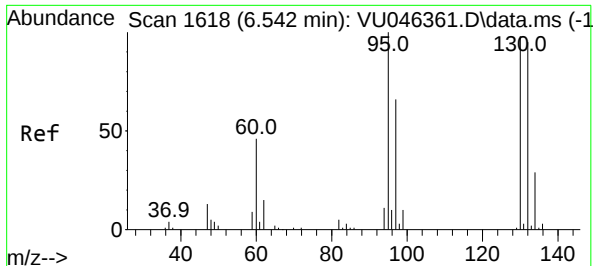
Tgt Ion: 96	Resp: 1518		
Ion Ratio	Lower	Upper	
96	100		
61	125.9	86.8	161.2
68	0.0	0.0	0.0



#27
 1,2-Dichloroethane
 Concen: 0.548 ug/L
 RT: 5.729 min Scan# 1365
 Delta R.T. -0.067 min
 Lab File: VU046373.D
 Acq: 14 Dec 2021 21:47

Tgt Ion: 62	Resp: 909
Ion Ratio	Lower Upper
62 100	
98 0.0	7.9 11.9#

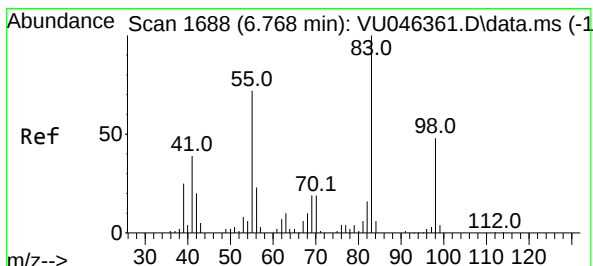
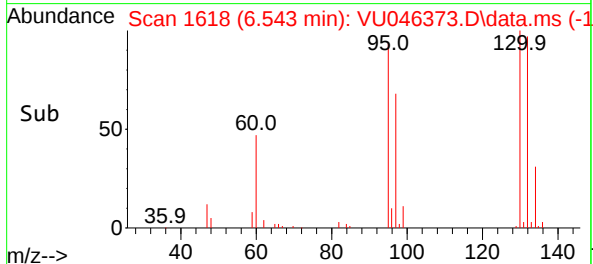
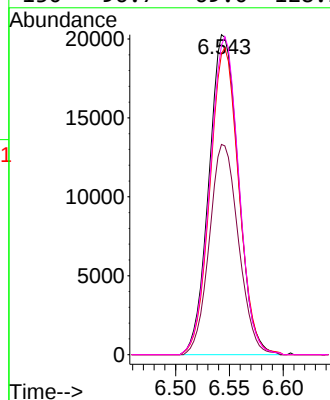
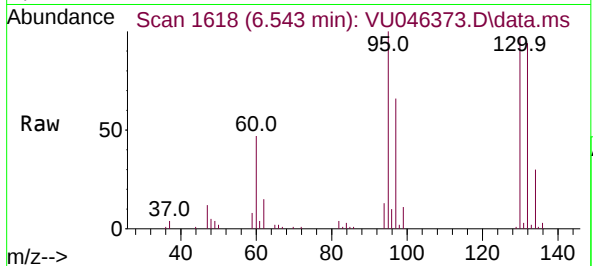




#34
Trichloroethene
Concen: 30.276 ug/L
RT: 6.543 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VU046373.D
Acq: 14 Dec 2021 21:47

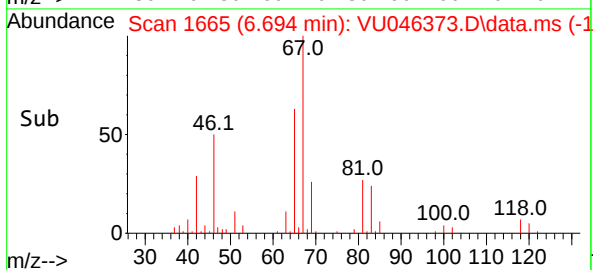
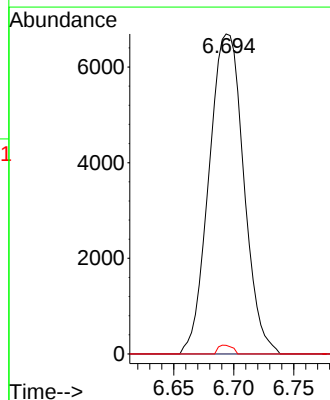
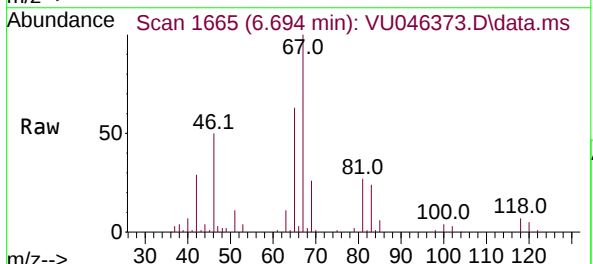
Instrument :
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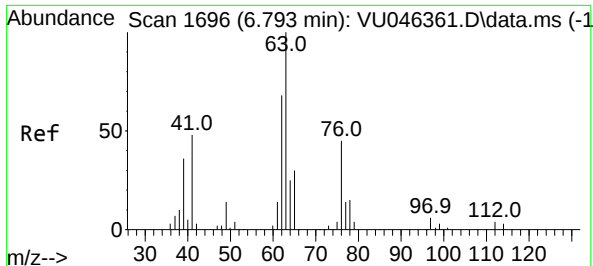
Tgt Ion: 95 Resp: 38563
Ion Ratio Lower Upper
95 100
97 65.7 44.1 81.9
132 94.0 66.8 124.0
130 96.7 69.0 128.1



#35
Methylcyclohexane
Concen: 6.837 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046373.D
Acq: 14 Dec 2021 21:47

Tgt Ion: 83 Resp: 13502
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.1 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 4.861 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046373.D

Acq: 14 Dec 2021 21:47

Instrument :

MSVOA_U

ClientSampleId :

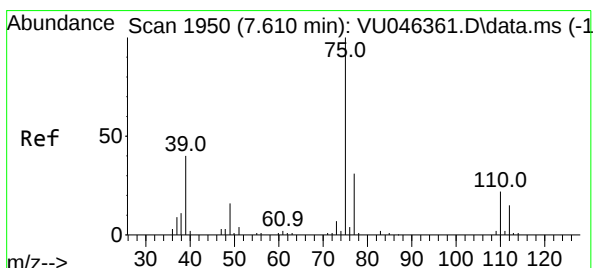
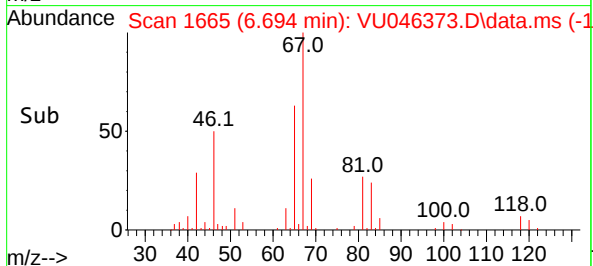
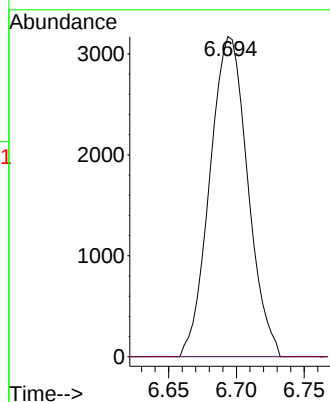
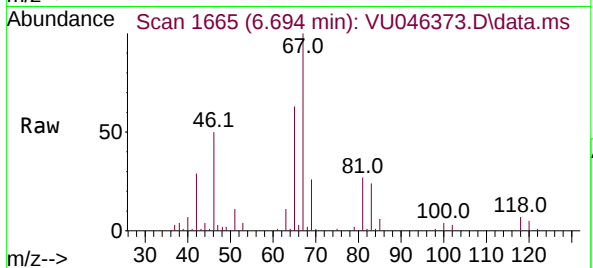
C0D17

Tgt Ion: 63 Resp: 6157

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.800 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046373.D

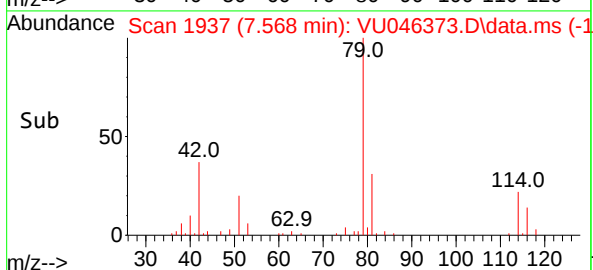
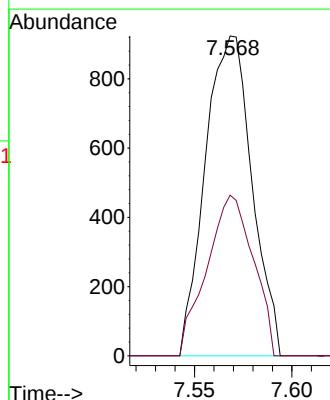
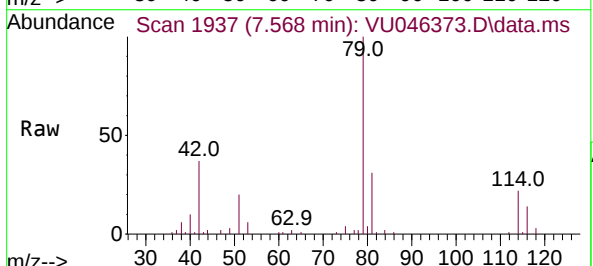
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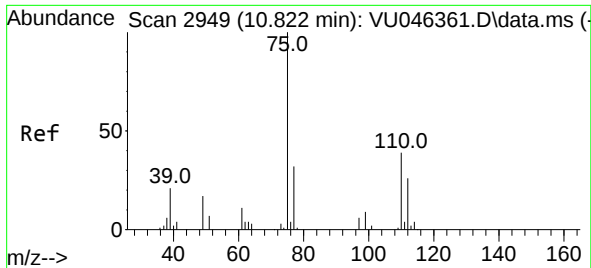
Tgt Ion: 75 Resp: 1541

Ion Ratio Lower Upper

75 100

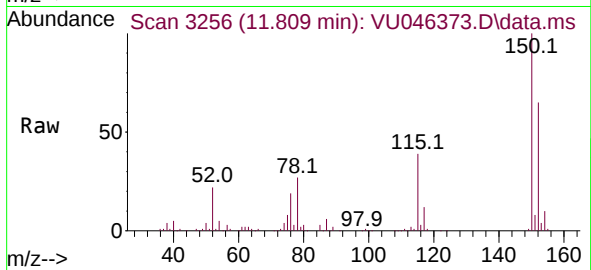
77 50.2 21.8 40.6#





#60
 1,2,3-Trichloropropane
 Concen: 5.398 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
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Tgt Ion: 75	Resp:	9102
Ion	Ratio	Lower Upper
75	100	
77	32.0	26.4 39.6
110	2.5	32.4 48.6#

