

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046428.D
 Acq On : 16 Dec 2021 17:55
 Operator : SY/MD
 Sample : M5037-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:54:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

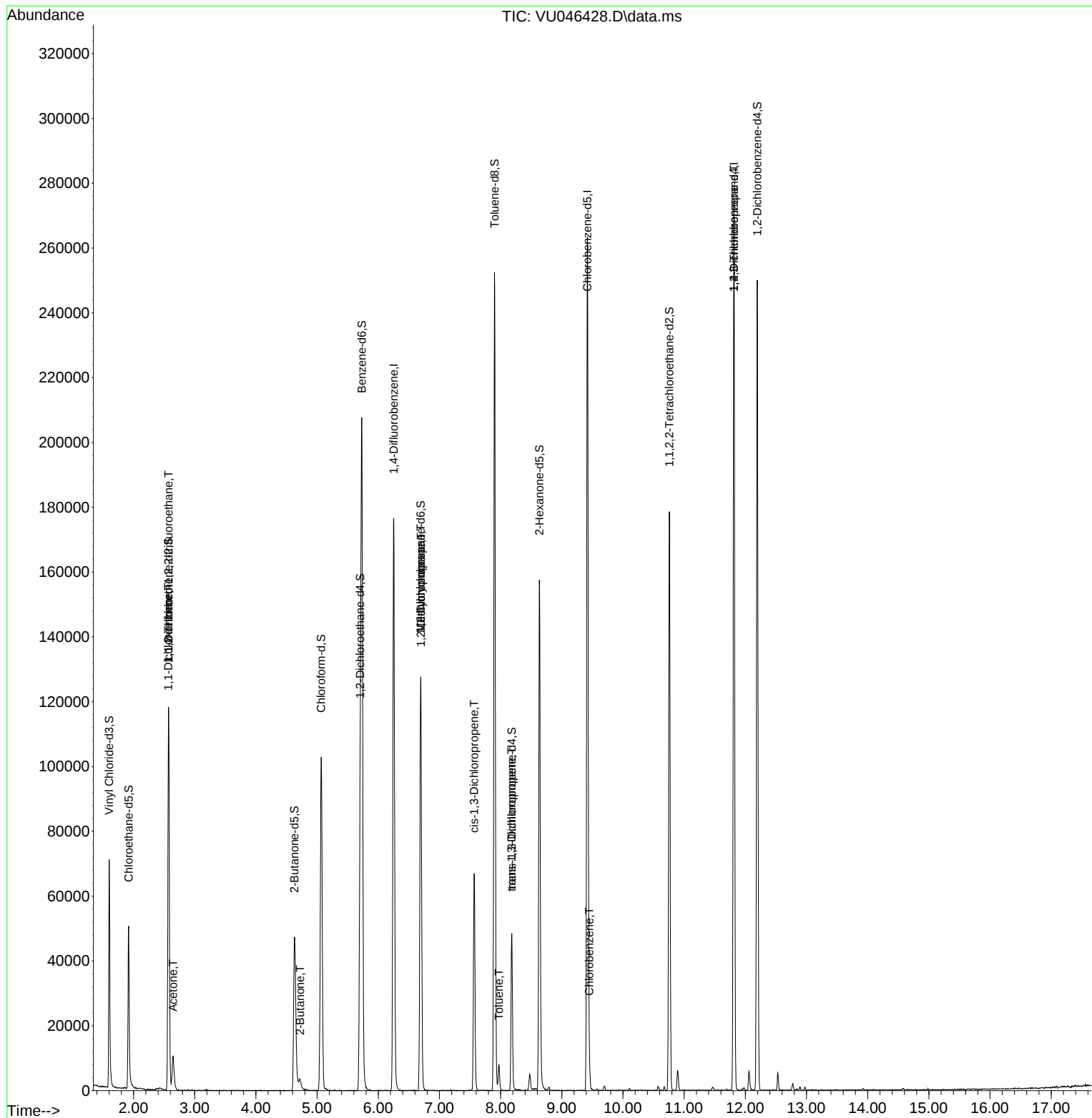
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	143160	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	146131	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	71541	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	55970	47.461	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.920%		
7) Chloroethane-d5	1.919	69	40485	44.713	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.420%		
11) 1,1-Dichloroethene-d2	2.572	63	71719	33.877	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.760%		
21) 2-Butanone-d5	4.630	46	74604	79.580	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	79.580%		
24) Chloroform-d	5.067	84	97721	49.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.240%		
26) 1,2-Dichloroethane-d4	5.704	65	65431	49.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.020%		
32) Benzene-d6	5.732	84	192706	46.010	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.020%		
36) 1,2-Dichloropropane-d6	6.694	67	60876	46.898	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.800%		
41) Toluene-d8	7.900	98	165128	43.301	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.600%		
43) trans-1,3-Dichloroprop...	8.182	79	27937	44.584	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.160%		
47) 2-Hexanone-d5	8.633	63	56138	91.214	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.210%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86226	43.802	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.600%		
66) 1,2-Dichlorobenzene-d4	12.195	152	63325	45.963	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.920%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	511	0.491	ug/L #	21
12) 1,1-Dichloroethene	2.569	96	520	0.525	ug/L #	1
13) Acetone	2.646	43	15191	12.966	ug/L	98
22) 2-Butanone	4.720	43	5065	3.971	ug/L	76
35) Methylcyclohexane	6.694	83	14381	7.960	ug/L #	20
37) 1,2-Dichloropropane	6.697	63	6599	5.696	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1732	0.983	ug/L #	64
42) Toluene	7.974	91	6127	1.291	ug/L	96
44) trans-1,3-Dichloropropene	8.179	75	1146	0.662	ug/L	95
51) Chlorobenzene	9.449	112	4215	1.373	ug/L	97
60) 1,2,3-Trichloropropane	11.813	75	8926	5.692	ug/L #	65

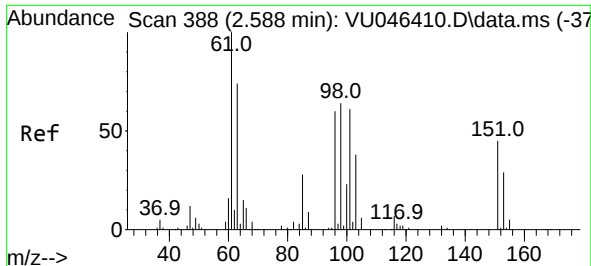
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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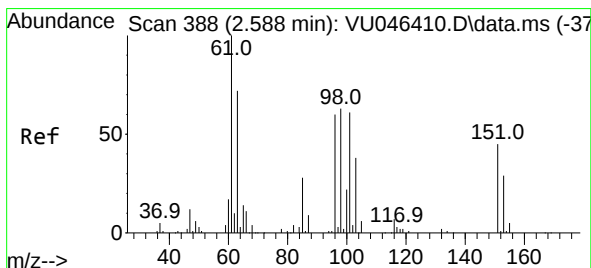
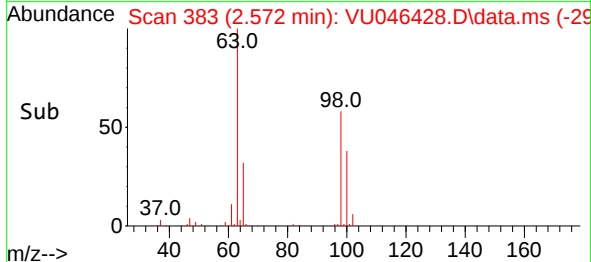
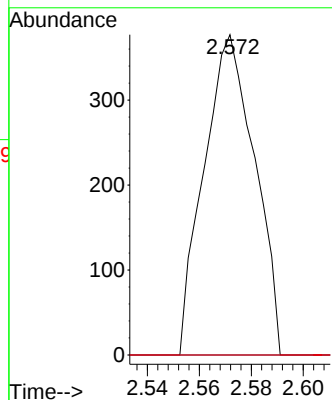
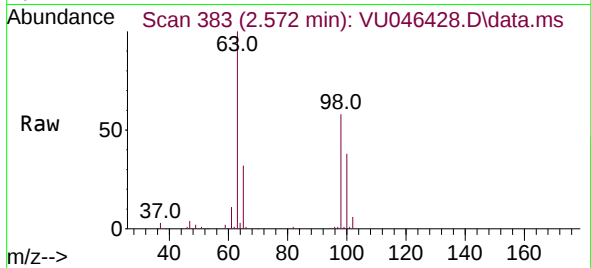




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.491 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046428.D
 Acq: 16 Dec 2021 17:55

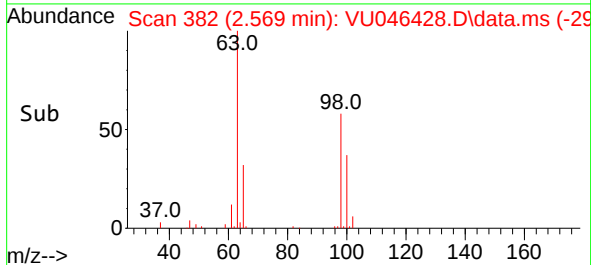
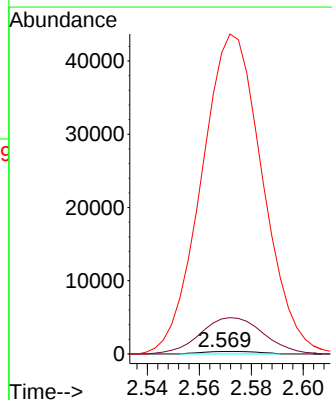
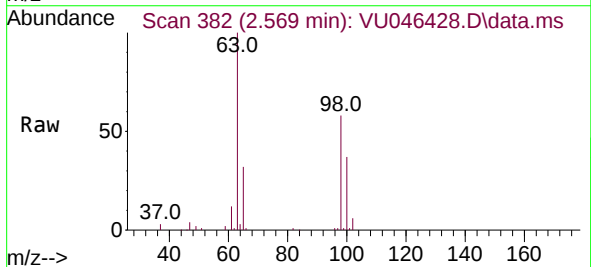
Instrument :
 MSVOA_U
 ClientSampleId :

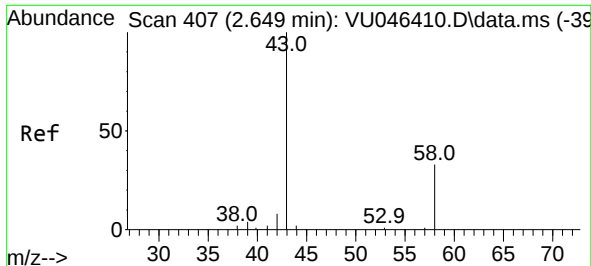
Tgt Ion:101 Resp: 511
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.525 ug/L
 RT: 2.569 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046428.D
 Acq: 16 Dec 2021 17:55

Tgt Ion: 96 Resp: 520
 Ion Ratio Lower Upper
 96 100
 61 1404.7 118.6 220.2#
 63 12087.1 93.0 172.8#





#13

Acetone

Concen: 12.966 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU046428.D

Acq: 16 Dec 2021 17:55

Instrument :

MSVOA_U

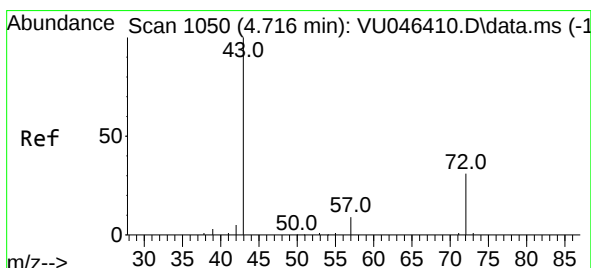
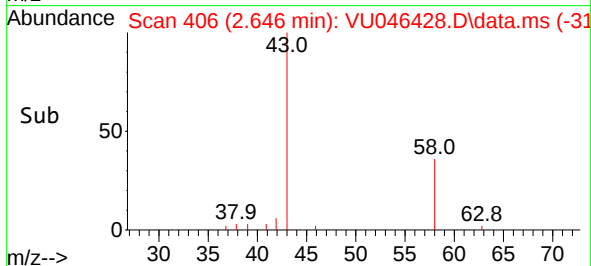
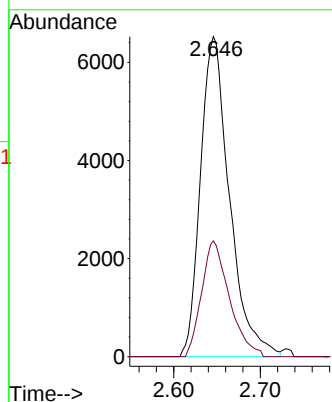
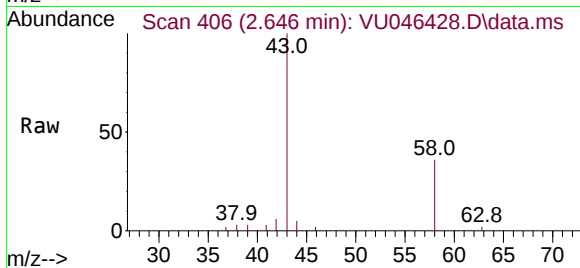
ClientSampleId :

Tgt Ion: 43 Resp: 15191

Ion Ratio Lower Upper

43 100

58 34.6 0.0 66.8



#22

2-Butanone

Concen: 3.971 ug/L

RT: 4.720 min Scan# 1051

Delta R.T. 0.004 min

Lab File: VU046428.D

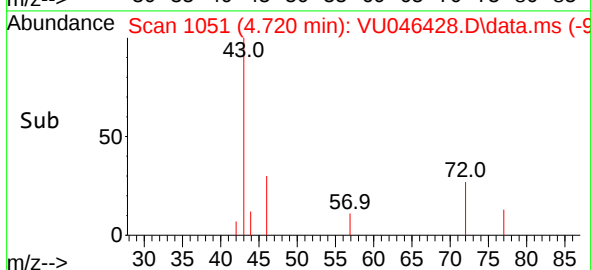
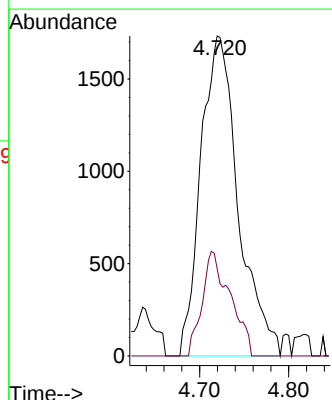
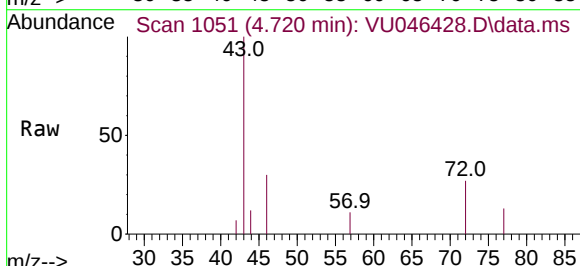
Acq: 16 Dec 2021 17:55

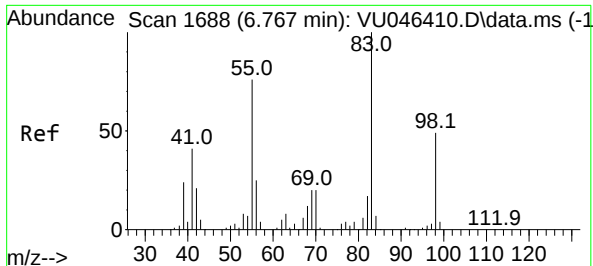
Tgt Ion: 43 Resp: 5065

Ion Ratio Lower Upper

43 100

72 16.1 14.5 43.6





#35

Methylcyclohexane

Concen: 7.960 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU046428.D

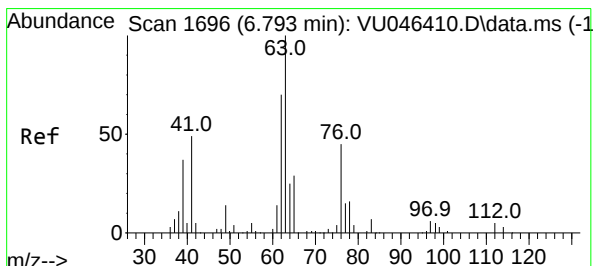
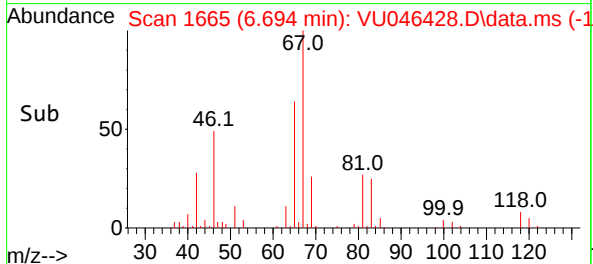
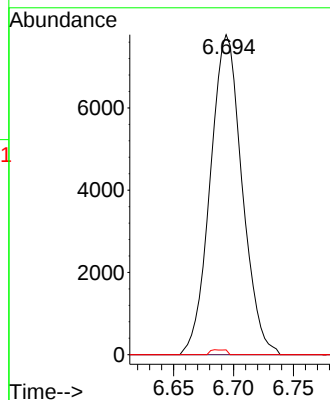
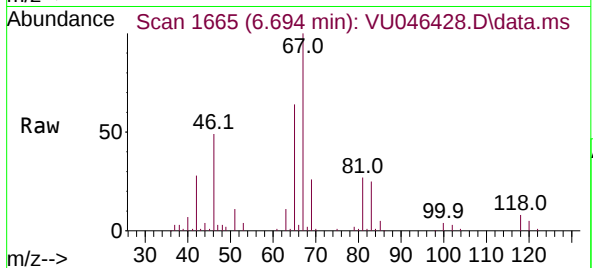
Acq: 16 Dec 2021 17:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 14381
Ion Ratio	Lower Upper
83	100
55	0.0 57.8 86.6#
98	0.2 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.696 ug/L

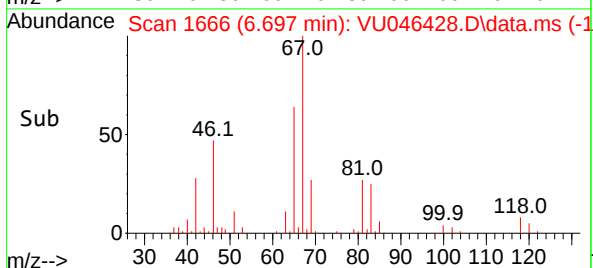
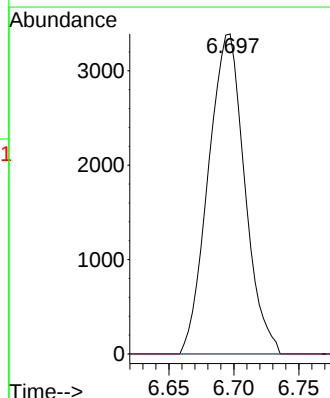
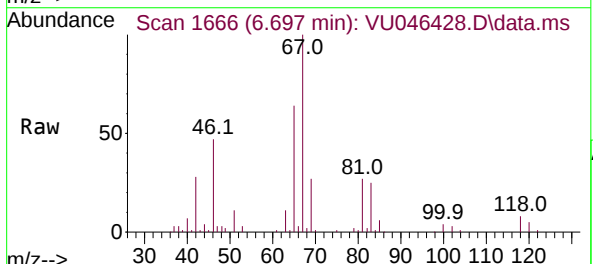
RT: 6.697 min Scan# 1666

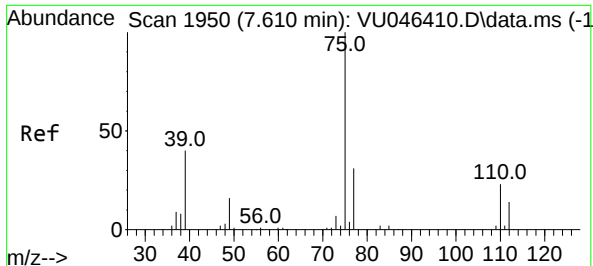
Delta R.T. -0.096 min

Lab File: VU046428.D

Acq: 16 Dec 2021 17:55

Tgt Ion: 63	Resp: 6599
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.983 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046428.D

Acq: 16 Dec 2021 17:55

Instrument :

MSVOA_U

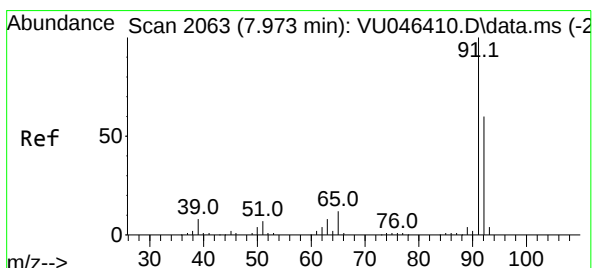
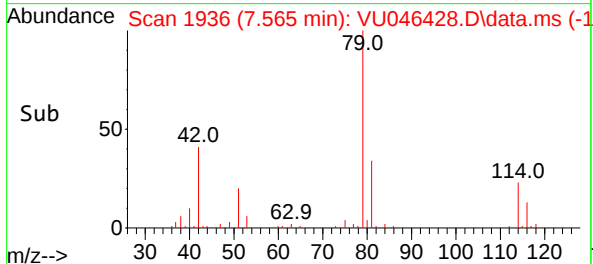
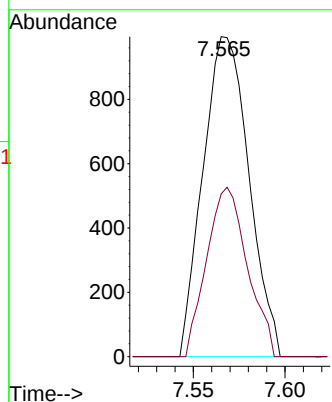
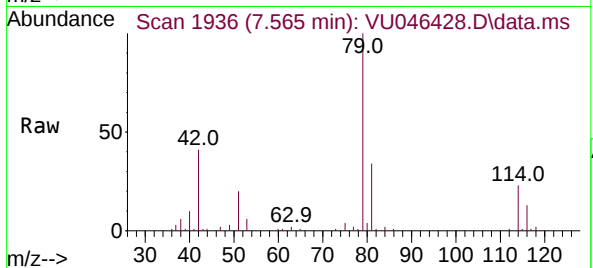
ClientSampleId :

Tgt Ion: 75 Resp: 1732

Ion Ratio Lower Upper

75 100

77 50.9 21.8 40.6#



#42

Toluene

Concen: 1.291 ug/L

RT: 7.974 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046428.D

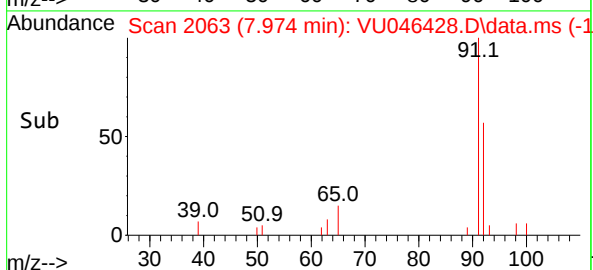
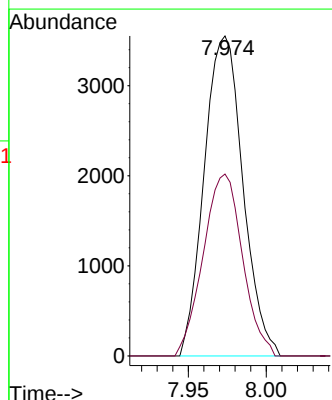
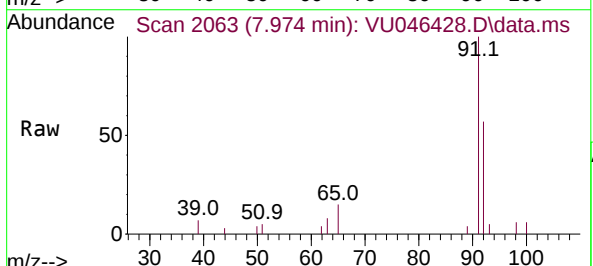
Acq: 16 Dec 2021 17:55

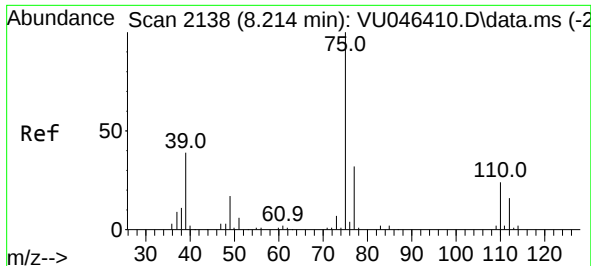
Tgt Ion: 91 Resp: 6127

Ion Ratio Lower Upper

91 100

92 56.8 41.9 77.7

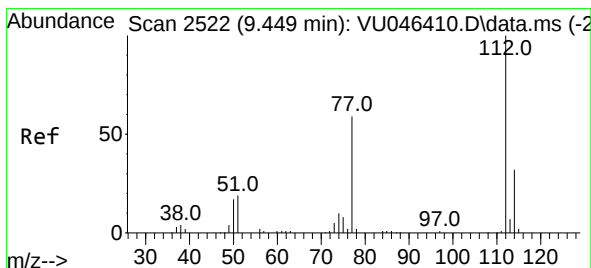
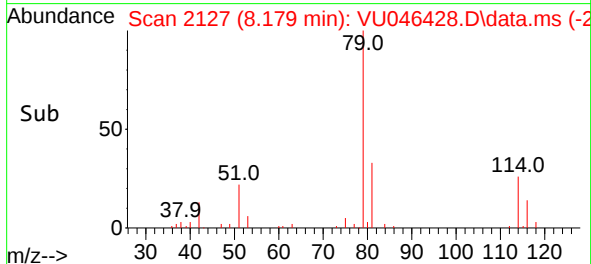
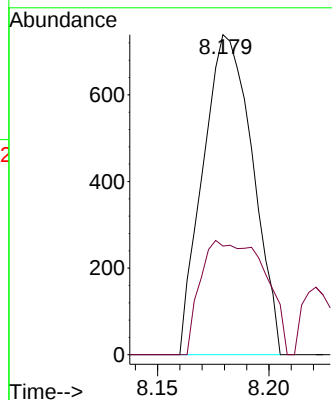
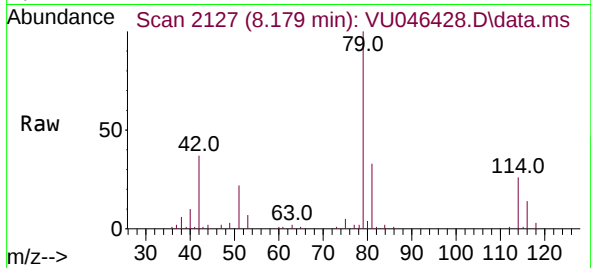




#44
trans-1,3-Dichloropropene
Concen: 0.662 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046428.D
Acq: 16 Dec 2021 17:55

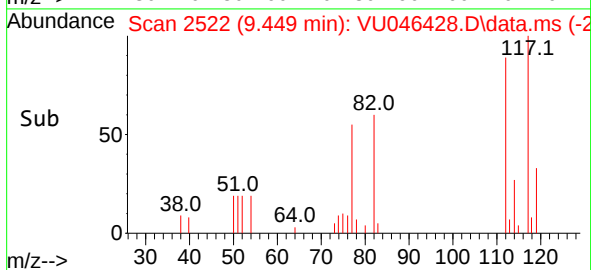
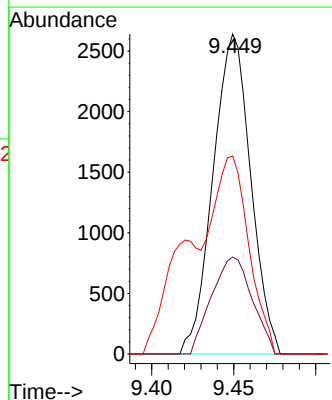
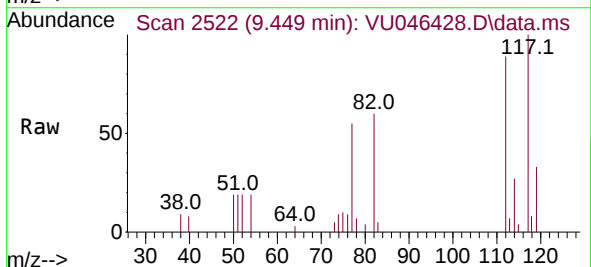
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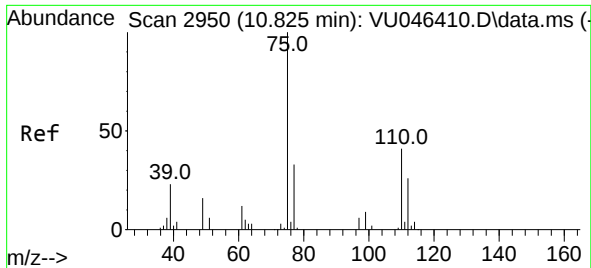
Tgt Ion: 75 Resp: 1146
Ion Ratio Lower Upper
75 100
77 34.0 21.7 40.3



#51
Chlorobenzene
Concen: 1.373 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046428.D
Acq: 16 Dec 2021 17:55

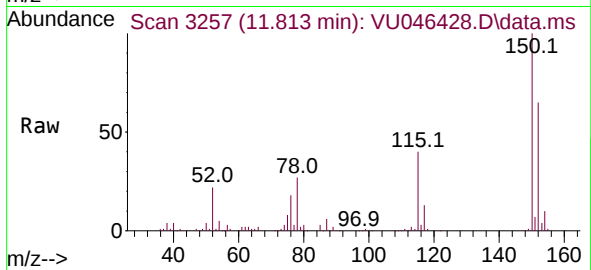
Tgt Ion: 112 Resp: 4215
Ion Ratio Lower Upper
112 100
114 30.3 22.2 41.2
77 61.9 47.4 71.0





#60
 1,2,3-Trichloropropane
 Concen: 5.692 ug/L
 RT: 11.813 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046428.D
 Acq: 16 Dec 2021 17:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75	Resp:	8926
Ion Ratio	Lower	Upper
75	100	
77	31.5	26.4 39.6
110	2.2	32.4 48.6#

