

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046420.D
 Acq On : 16 Dec 2021 14:53
 Operator : SY/MD
 Sample : M5024-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:52:39 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)

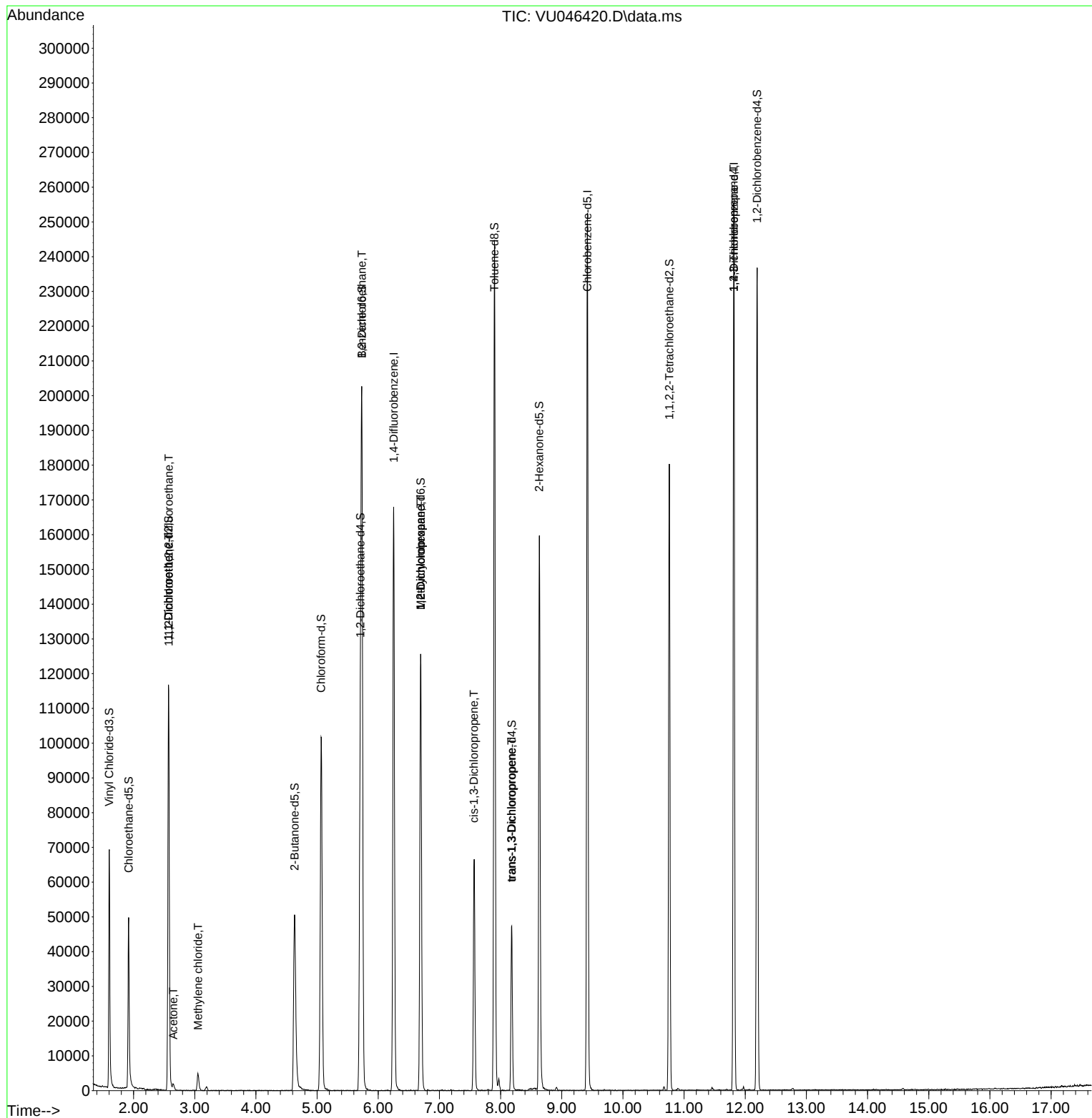
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	133261	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	138581	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	66023	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	54242	49.413	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.820%		
7) Chloroethane-d5	1.919	69	39745	47.156	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.320%		
11) 1,1-Dichloroethene-d2	2.571	63	69409	35.222	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.440%		
21) 2-Butanone-d5	4.633	46	75693	86.740	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.740%		
24) Chloroform-d	5.067	84	95453	52.070	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.140%		
26) 1,2-Dichloroethane-d4	5.706	65	65694	53.399	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.800%		
32) Benzene-d6	5.732	84	186475	46.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
36) 1,2-Dichloropropane-d6	6.694	67	59445	48.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.580%		
41) Toluene-d8	7.899	98	160502	44.381	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.760%		
43) trans-1,3-Dichloroprop...	8.182	79	27427	46.155	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.320%		
47) 2-Hexanone-d5	8.632	63	57419	98.378	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.380%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86379	46.270	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.540%		
66) 1,2-Dichlorobenzene-d4	12.195	152	60053	47.231	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.460%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	458	0.472	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	416	0.451	ug/L #	1
13) Acetone	2.649	43	2528	2.318	ug/L	94
16) Methylene chloride	3.054	84	2800	2.554	ug/L	99
27) 1,2-Dichloroethane	5.732	62	1084	0.742	ug/L #	73
35) Methylcyclohexane	6.694	83	14613	8.529	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6736	6.131	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1652	0.988	ug/L #	62
44) trans-1,3-Dichloropropene	8.179	75	1228	0.748	ug/L #	81
60) 1,2,3-Trichloropropane	11.812	75	7966	5.504	ug/L #	66

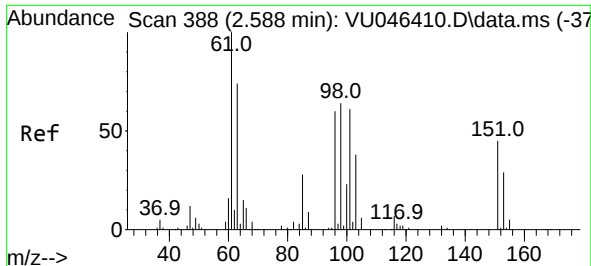
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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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

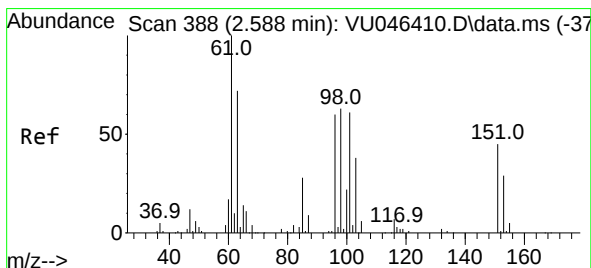
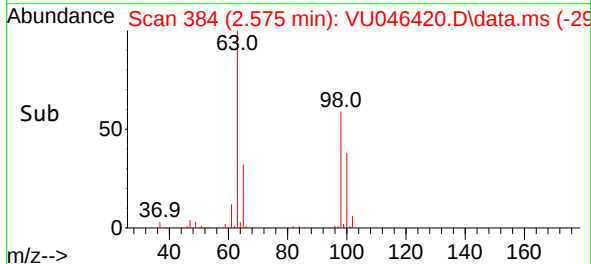
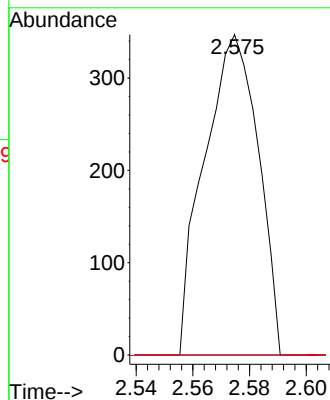
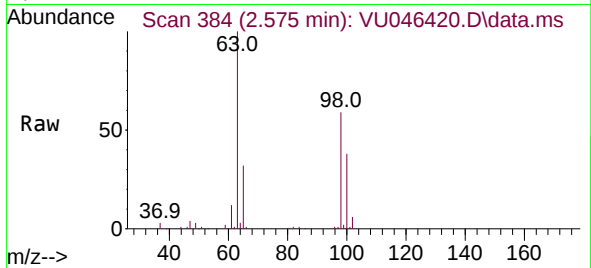




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.472 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046420.D
Acq: 16 Dec 2021 14:53

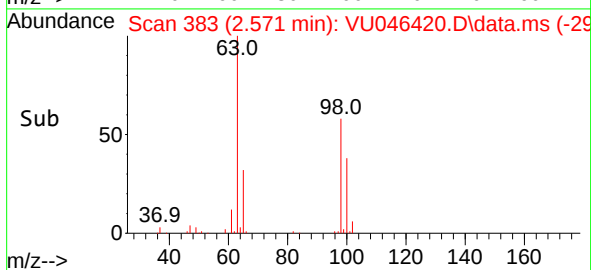
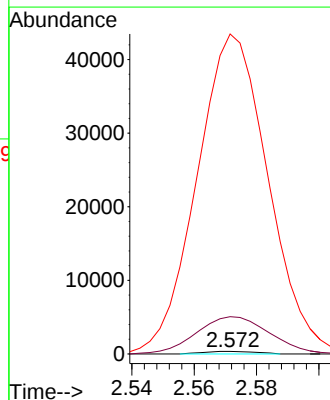
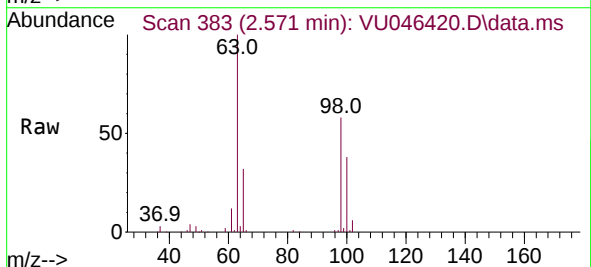
Instrument :
MSVOA_U
ClientSampleId :

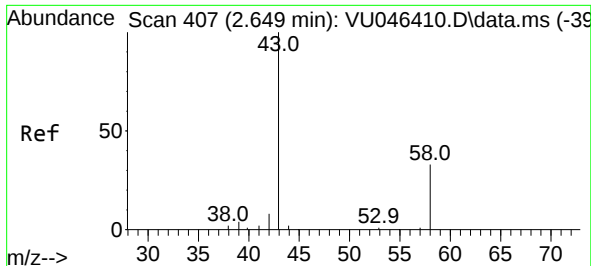
Tgt Ion:101 Resp: 458
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.451 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046420.D
Acq: 16 Dec 2021 14:53

Tgt Ion: 96 Resp: 416
Ion Ratio Lower Upper
96 100
61 1485.3 118.6 220.2#
63 12748.4 93.0 172.8#





#13

Acetone

Concen: 2.318 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.000 min

Lab File: VU046420.D

Acq: 16 Dec 2021 14:53

Instrument :

MSVOA_U

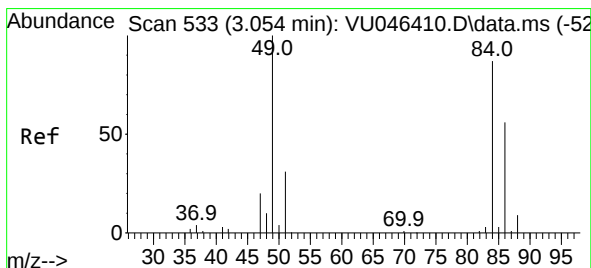
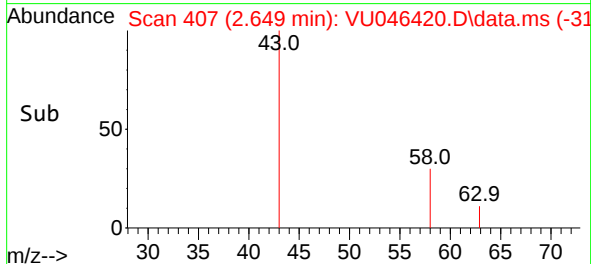
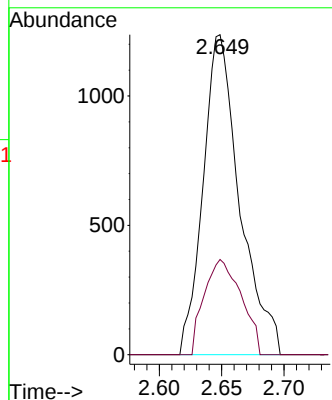
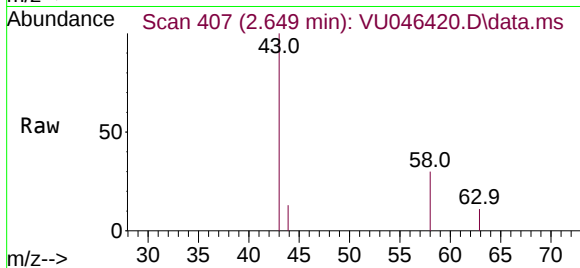
ClientSampleId :

Tgt Ion: 43 Resp: 2528

Ion Ratio Lower Upper

43 100

58 30.1 0.0 66.8



#16

Methylene chloride

Concen: 2.554 ug/L

RT: 3.054 min Scan# 533

Delta R.T. 0.000 min

Lab File: VU046420.D

Acq: 16 Dec 2021 14:53

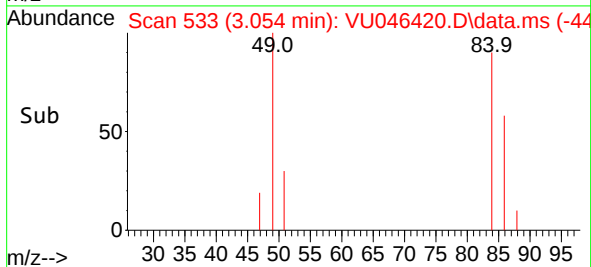
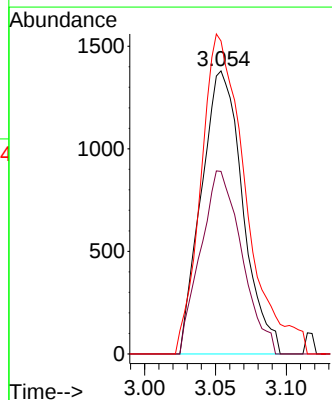
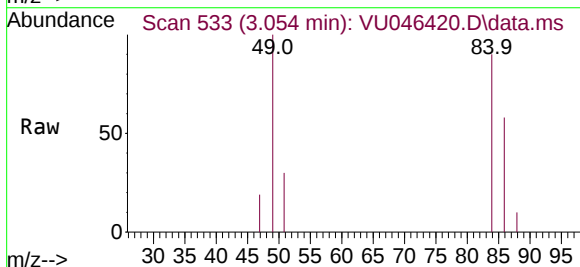
Tgt Ion: 84 Resp: 2800

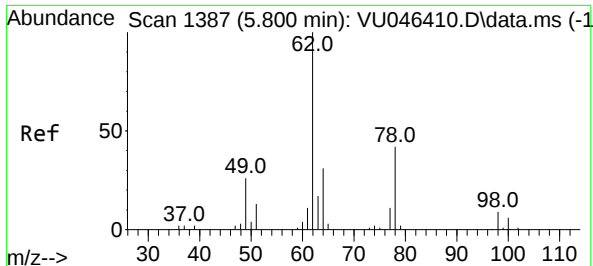
Ion Ratio Lower Upper

84 100

86 64.5 44.7 83.1

49 110.6 78.4 145.6





#27

1,2-Dichloroethane

Concen: 0.742 ug/L

RT: 5.732 min Scan# 11

Delta R.T. -0.068 min

Lab File: VU046420.D

Acq: 16 Dec 2021 14:53

Instrument :

MSVOA_U

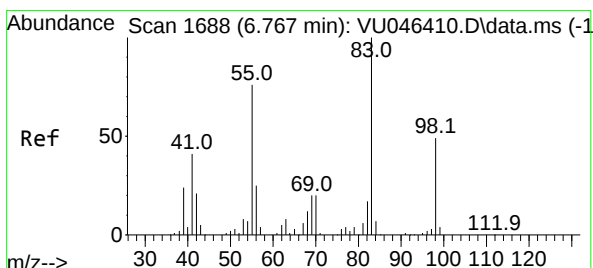
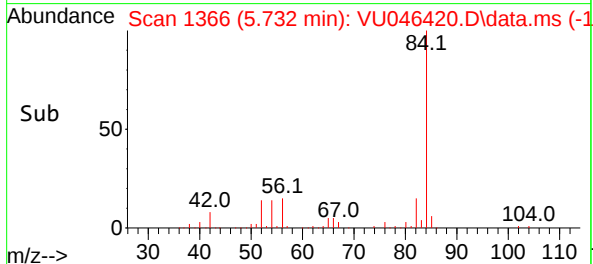
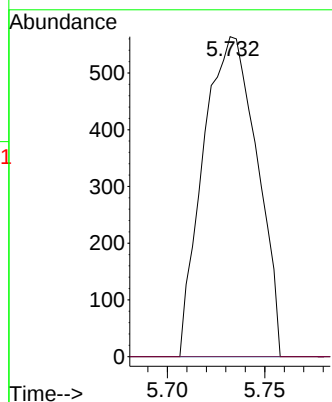
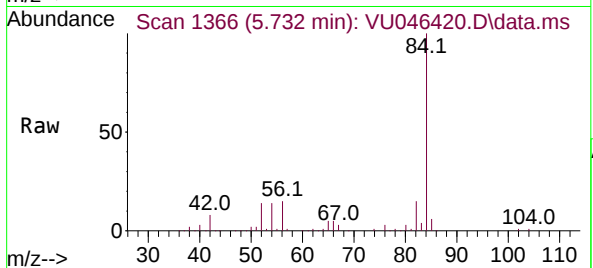
ClientSampleId :

Tgt Ion: 62 Resp: 1084

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 8.529 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046420.D

Acq: 16 Dec 2021 14:53

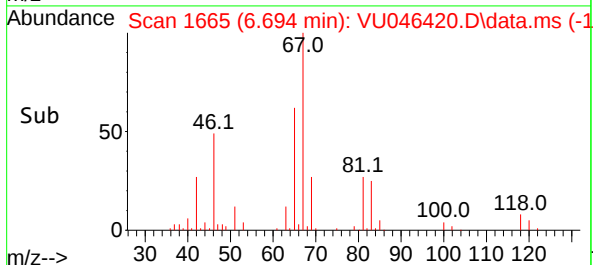
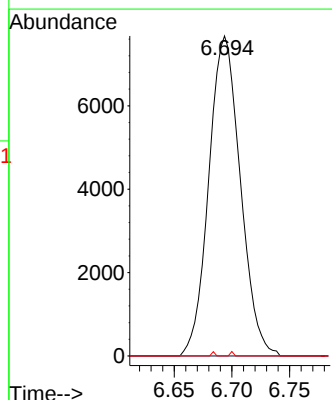
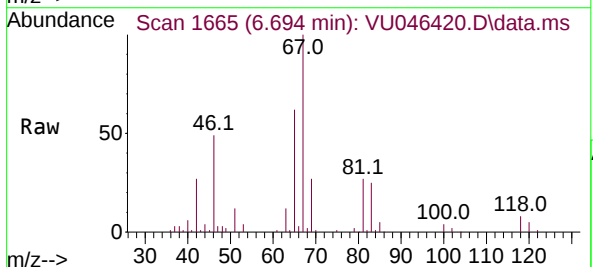
Tgt Ion: 83 Resp: 14613

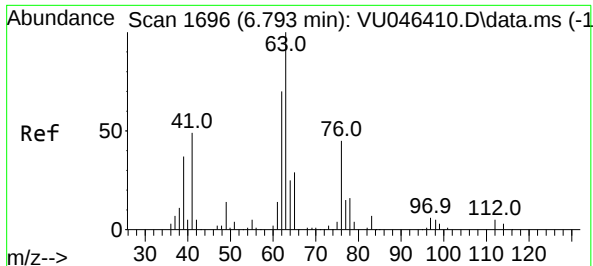
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.0 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 6.131 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046420.D

Acq: 16 Dec 2021 14:53

Instrument :

MSVOA_U

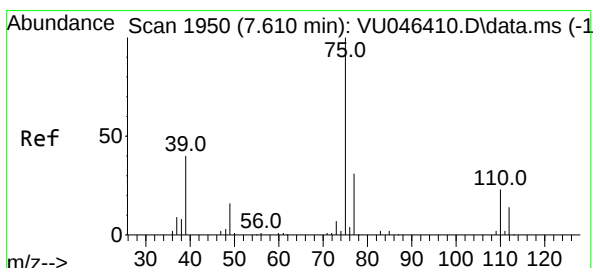
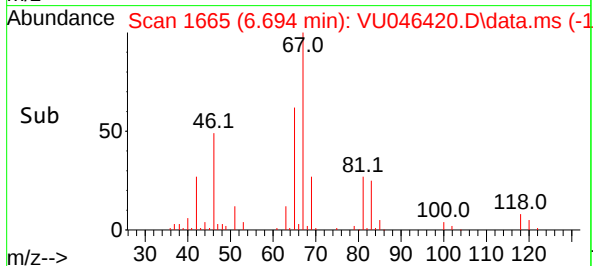
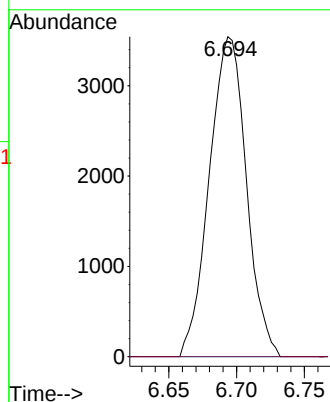
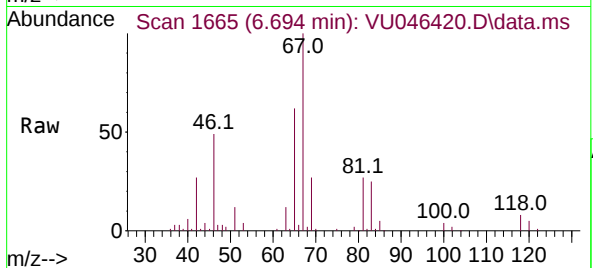
ClientSampleId :

Tgt Ion: 63 Resp: 6736

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046420.D

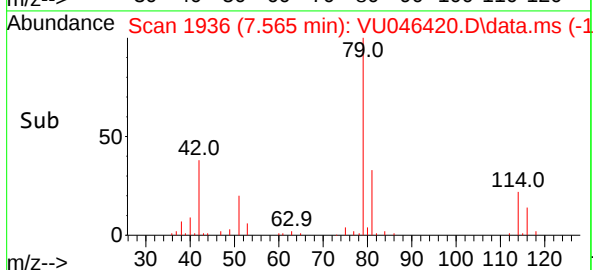
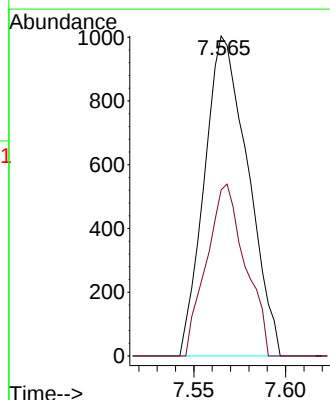
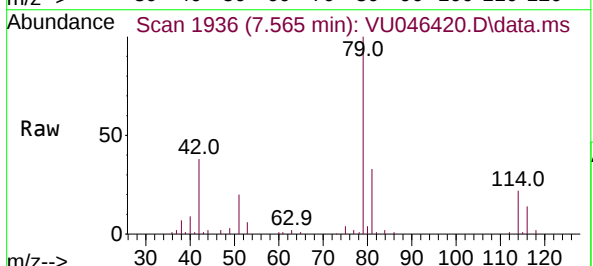
Acq: 16 Dec 2021 14:53

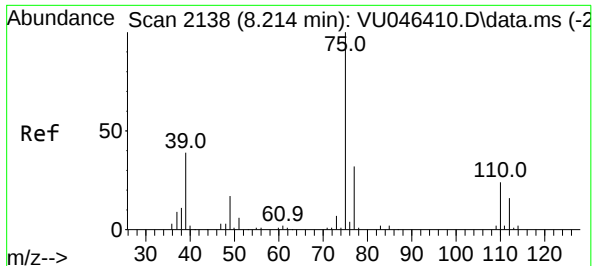
Tgt Ion: 75 Resp: 1652

Ion Ratio Lower Upper

75 100

77 51.9 21.8 40.6#

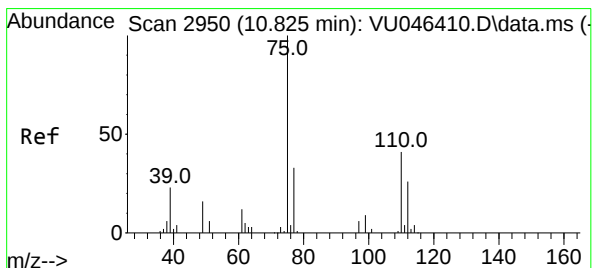
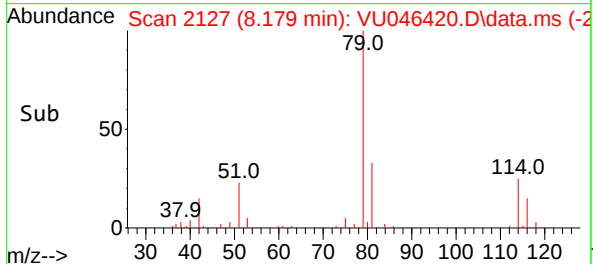
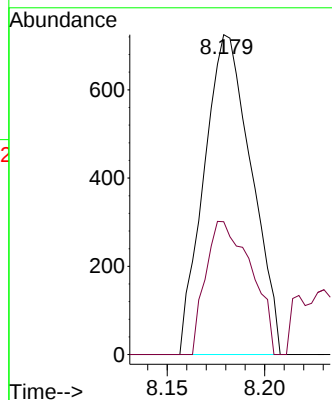
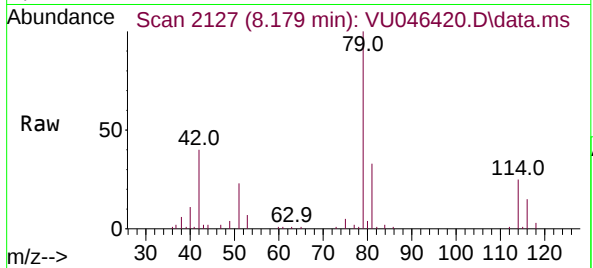




#44
trans-1,3-Dichloropropene
Concen: 0.748 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046420.D
Acq: 16 Dec 2021 14:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1228
Ion Ratio Lower Upper
75 100
77 41.5 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.504 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046420.D
Acq: 16 Dec 2021 14:53

Tgt Ion: 75 Resp: 7966
Ion Ratio Lower Upper
75 100
77 32.6 26.4 39.6
110 2.5 32.4 48.6#

