

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046430.D
 Acq On : 16 Dec 2021 18:40
 Operator : SY/MD
 Sample : M5037-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:54:54 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)

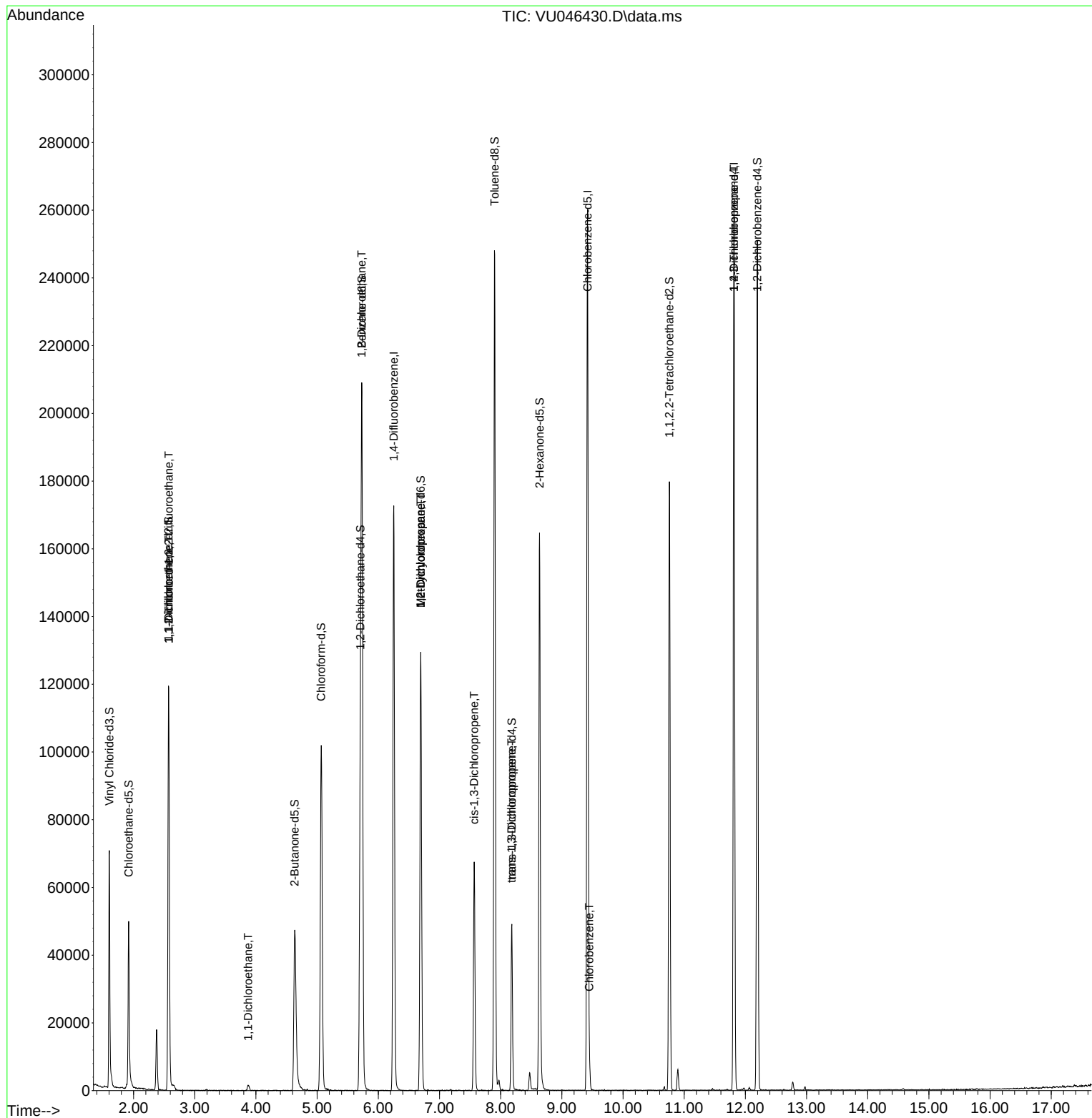
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	136893	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	140625	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	67232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54915	48.698	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.400%		
7) Chloroethane-d5	1.919	69	41083	47.451	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.900%		
11) 1,1-Dichloroethene-d2	2.571	63	71835	35.486	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.980%		
21) 2-Butanone-d5	4.633	46	77960	86.967	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.970%		
24) Chloroform-d	5.067	84	97576	51.816	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.640%		
26) 1,2-Dichloroethane-d4	5.706	65	65385	51.737	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.480%		
32) Benzene-d6	5.732	84	193175	47.928	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.860%		
36) 1,2-Dichloropropane-d6	6.694	67	59550	47.673	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.340%		
41) Toluene-d8	7.899	98	163877	44.655	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.320%		
43) trans-1,3-Dichloroprop...	8.182	79	27435	45.497	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.000%		
47) 2-Hexanone-d5	8.636	63	57313	96.769	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.770%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86502	45.663	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.320%		
66) 1,2-Dichlorobenzene-d4	12.195	152	63900	49.352	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.700%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	775	0.778	ug/L #	1
12) 1,1-Dichloroethene	2.575	96	451	0.476	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	2525	1.386	ug/L	98
27) 1,2-Dichloroethane	5.726	62	1074	0.715	ug/L #	73
35) Methylcyclohexane	6.694	83	14842	8.537	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6967	6.249	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1636	0.965	ug/L #	64
44) trans-1,3-Dichloropropene	8.179	75	1065	0.639	ug/L	90
51) Chlorobenzene	9.449	112	4476	1.515	ug/L	98
60) 1,2,3-Trichloropropane	11.812	75	8480	5.754	ug/L #	66

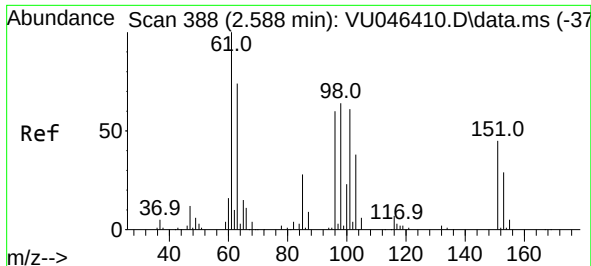
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 17 01:49:40 2021
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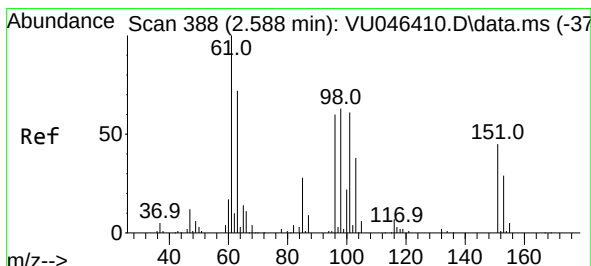
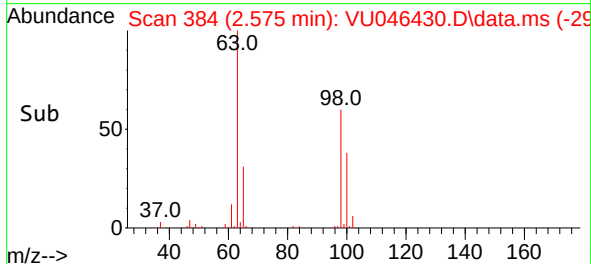
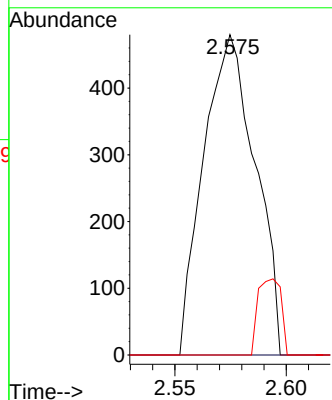
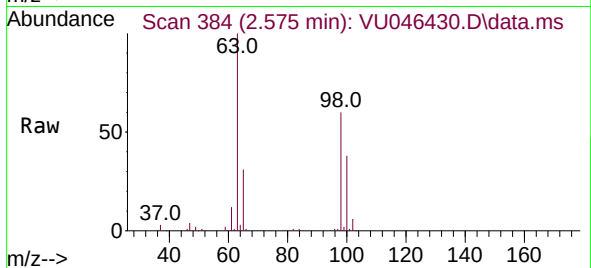




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.778 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046430.D
 Acq: 16 Dec 2021 18:40

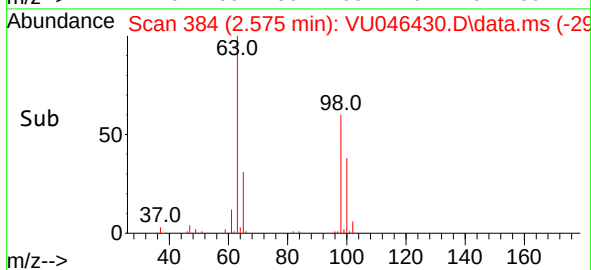
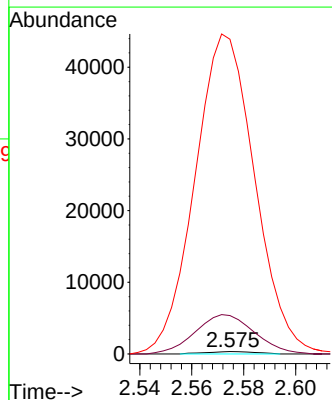
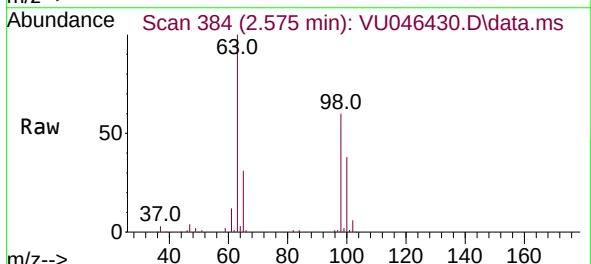
Instrument :
 MSVOA_U
 ClientSampleId :

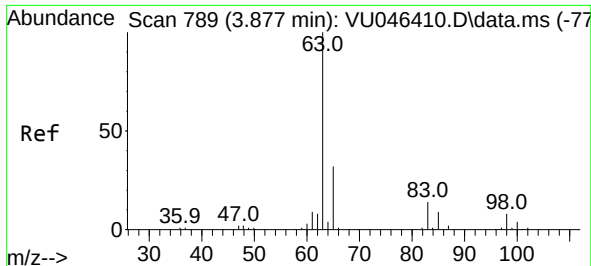
Tgt Ion:101 Resp: 775
 Ion Ratio Lower Upper
 101 100
 85 437.9 35.1 52.7#
 151 10.6 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.476 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046430.D
 Acq: 16 Dec 2021 18:40

Tgt Ion: 96 Resp: 451
 Ion Ratio Lower Upper
 96 100
 61 1634.1 118.6 220.2#
 63 13382.9 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 1.386 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

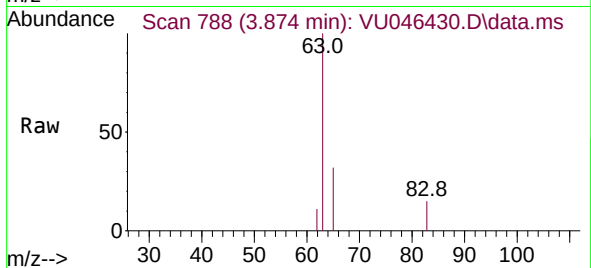
Lab File: VU046430.D

Acq: 16 Dec 2021 18:40

Instrument :

MSVOA_U

ClientSampleId :



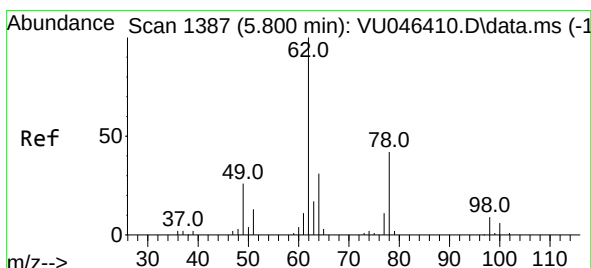
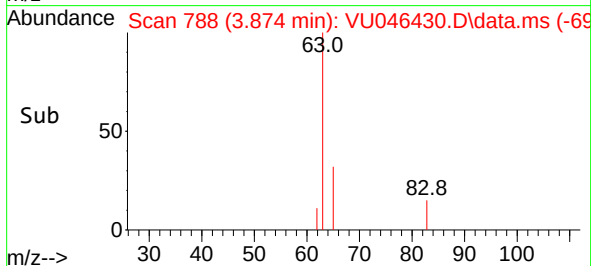
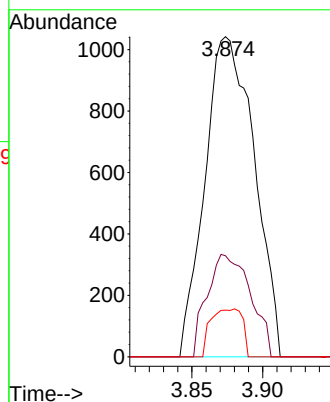
Tgt Ion: 63 Resp: 2525

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

83 14.6 9.6 17.8



#27

1,2-Dichloroethane

Concen: 0.715 ug/L

RT: 5.726 min Scan# 1364

Delta R.T. -0.074 min

Lab File: VU046430.D

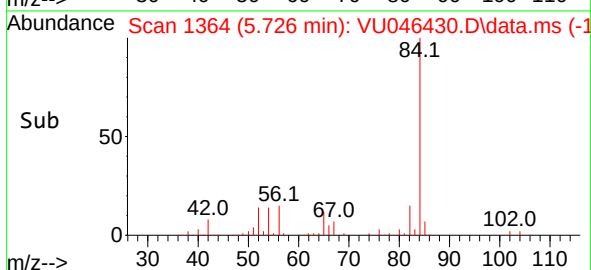
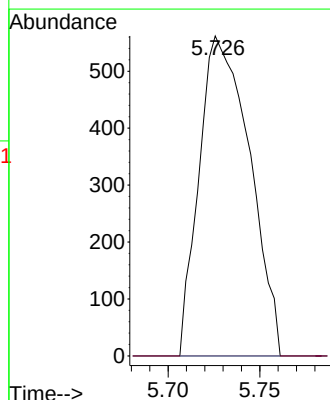
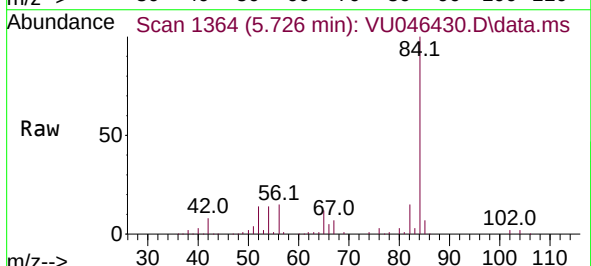
Acq: 16 Dec 2021 18:40

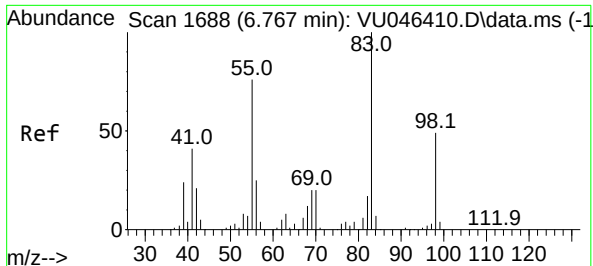
Tgt Ion: 62 Resp: 1074

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

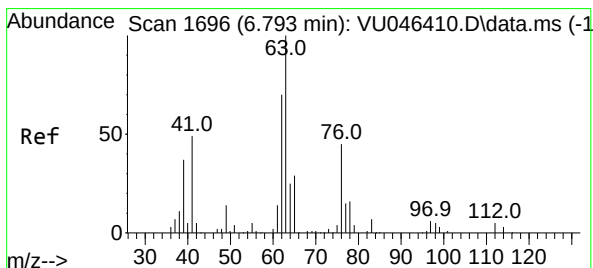
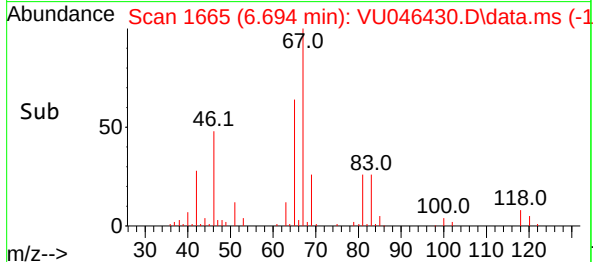
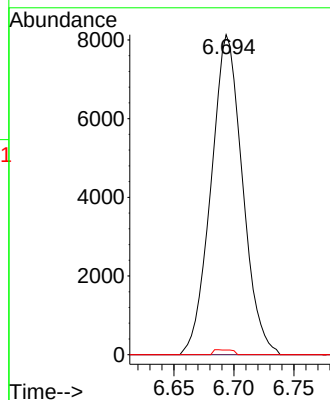
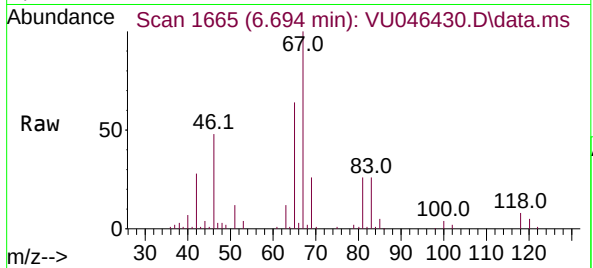




#35
Methylcyclohexane
Concen: 8.537 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046430.D
Acq: 16 Dec 2021 18:40

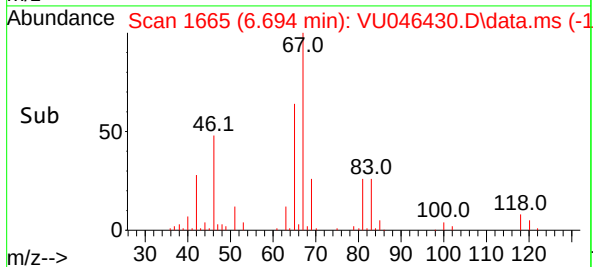
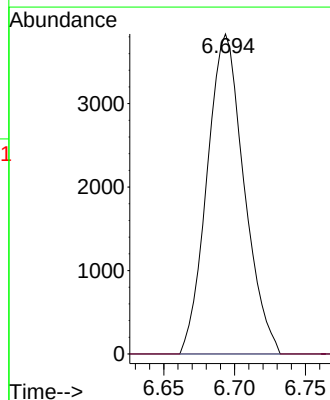
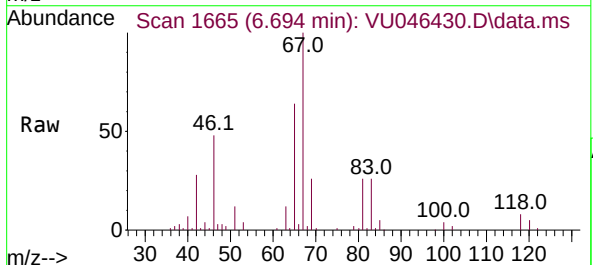
Instrument :
MSVOA_U
ClientSampleId :

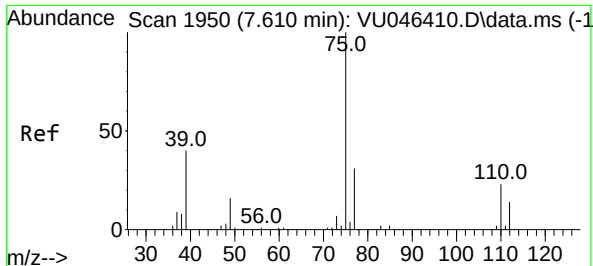
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	0.5	38.4	57.6#



#37
1,2-Dichloropropane
Concen: 6.249 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046430.D
Acq: 16 Dec 2021 18:40

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





#39

cis-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046430.D

Acq: 16 Dec 2021 18:40

Instrument :

MSVOA_U

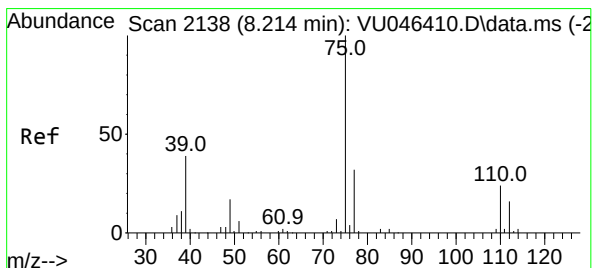
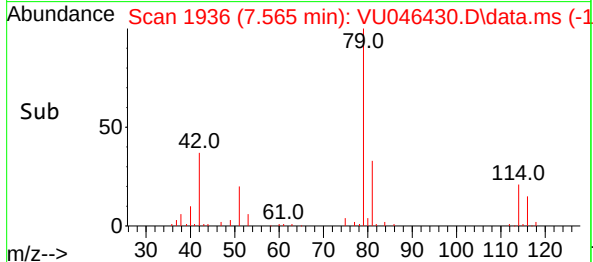
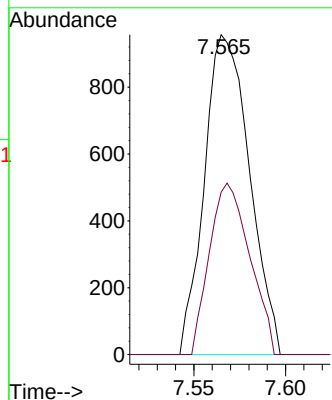
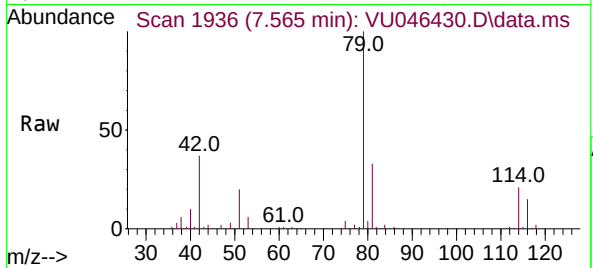
ClientSampleId :

Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

77 50.8 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.639 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.035 min

Lab File: VU046430.D

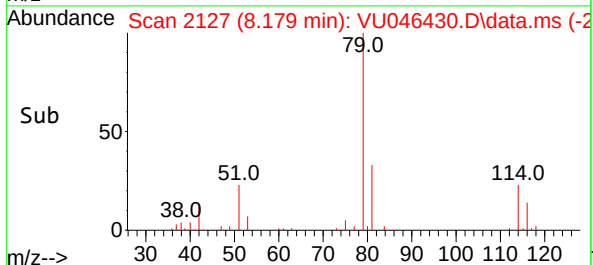
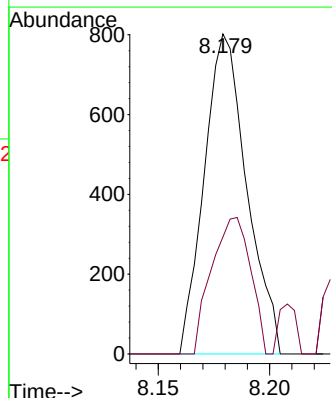
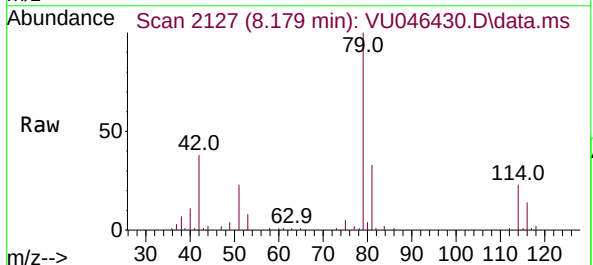
Acq: 16 Dec 2021 18:40

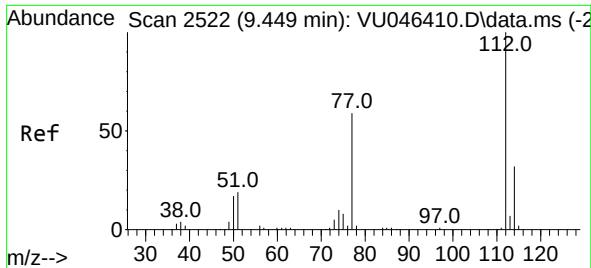
Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 36.5 21.7 40.3

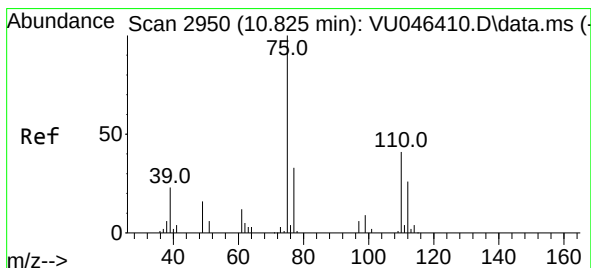
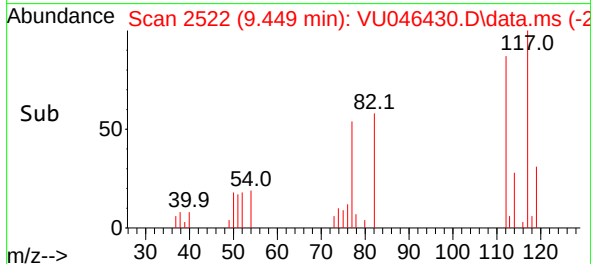
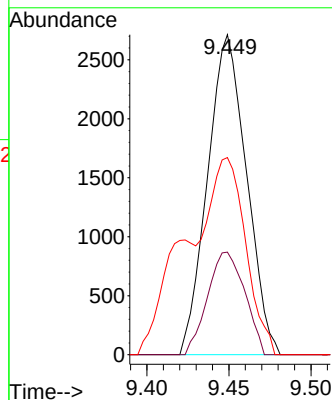
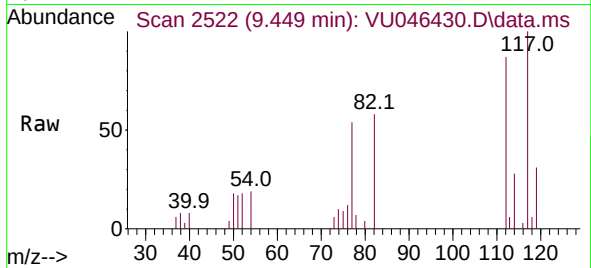




#51
Chlorobenzene
Concen: 1.515 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046430.D
Acq: 16 Dec 2021 18:40

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Tgt Ion:	112	Resp:	4476
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	61.6	47.4	71.0



#60
1,2,3-Trichloropropane
Concen: 5.754 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046430.D
Acq: 16 Dec 2021 18:40

Tgt Ion:	75	Resp:	8480
Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.4	39.6
110	2.8	32.4	48.6#

