

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046432.D
 Acq On : 16 Dec 2021 19:25
 Operator : SY/MD
 Sample : M5037-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:55:19 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)

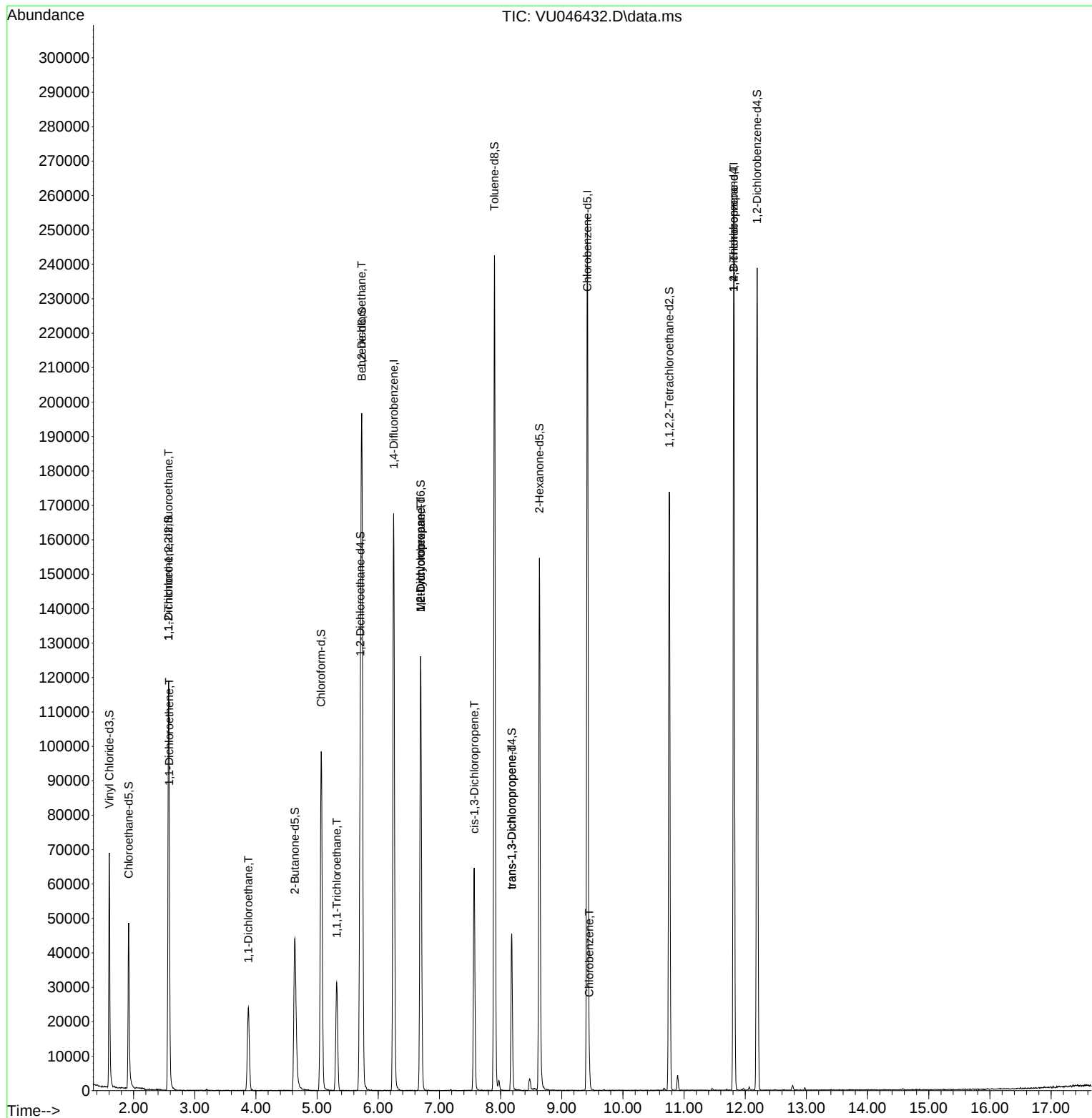
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	134916	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	139467	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66059	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	53015	47.702	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.400%
7) Chloroethane-d5	1.919	69	39477	46.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.520%
11) 1,1-Dichloroethene-d2	2.571	63	70670	35.422	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.840%
21) 2-Butanone-d5	4.636	46	72923	82.540	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.540%
24) Chloroform-d	5.066	84	93679	50.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.960%
26) 1,2-Dichloroethane-d4	5.706	65	63206	50.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.500%
32) Benzene-d6	5.732	84	185437	46.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
36) 1,2-Dichloropropane-d6	6.693	67	59530	48.052	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.100%
41) Toluene-d8	7.899	98	158292	43.492	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.980%
43) trans-1,3-Dichloroprop...	8.182	79	26239	43.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.760%
47) 2-Hexanone-d5	8.635	63	53672	91.374	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84615	45.037	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.080%
66) 1,2-Dichlorobenzene-d4	12.195	152	60573	47.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.220%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	572	0.583	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	3745	4.015	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	28213	15.718	ug/L	97
27) 1,2-Dichloroethane	5.729	62	1047	0.707	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	23186	13.543	ug/L	99
35) Methylcyclohexane	6.693	83	14932	8.660	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6416	5.802	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1606	0.955	ug/L #	74
44) trans-1,3-Dichloropropene	8.182	75	1217	0.737	ug/L #	82
51) Chlorobenzene	9.449	112	3632	1.239	ug/L	98
60) 1,2,3-Trichloropropane	11.812	75	7872	5.436	ug/L #	65

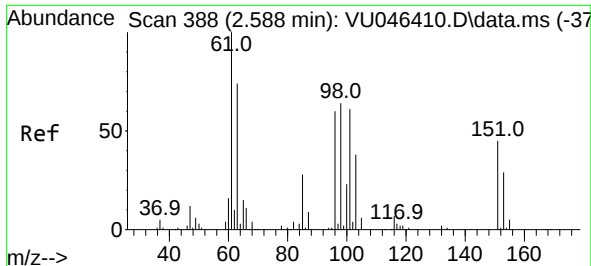
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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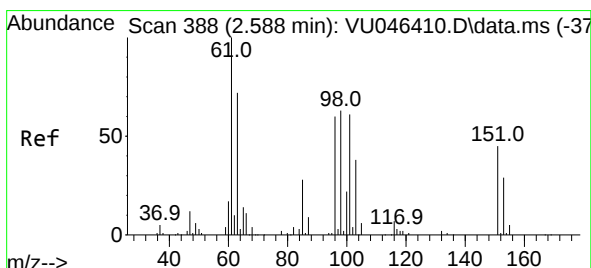
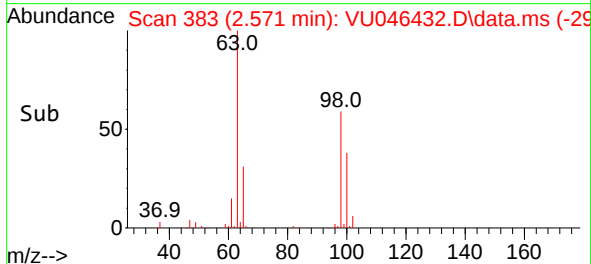
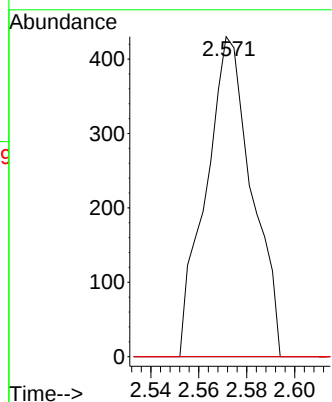
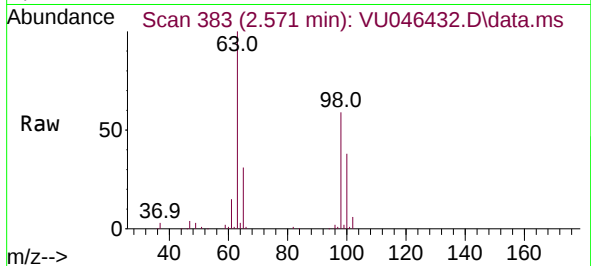




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.583 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046432.D
 Acq: 16 Dec 2021 19:25

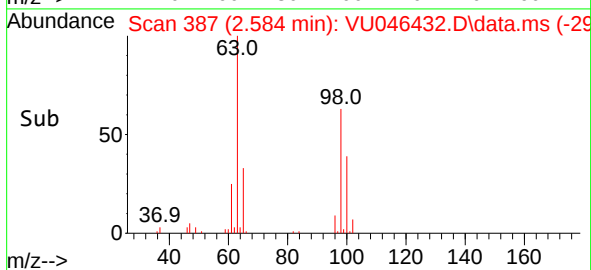
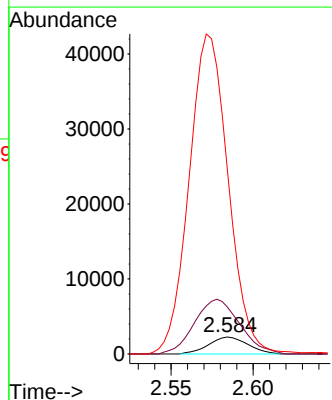
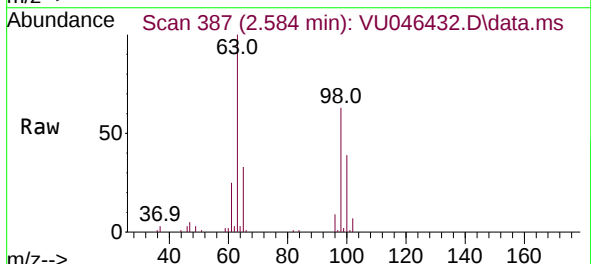
Instrument :
 MSVOA_U
 ClientSampleId :

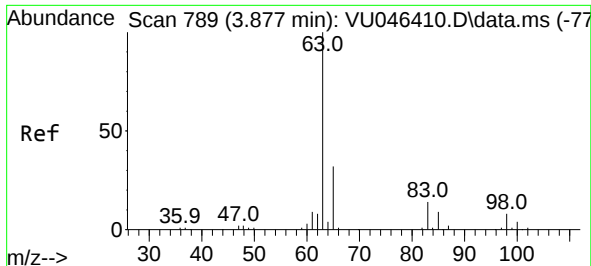
Tgt Ion:101 Resp: 572
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 4.015 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046432.D
 Acq: 16 Dec 2021 19:25

Tgt Ion: 96 Resp: 3745
 Ion Ratio Lower Upper
 96 100
 61 276.8 118.6 220.2#
 63 1087.7 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 15.718 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU046432.D

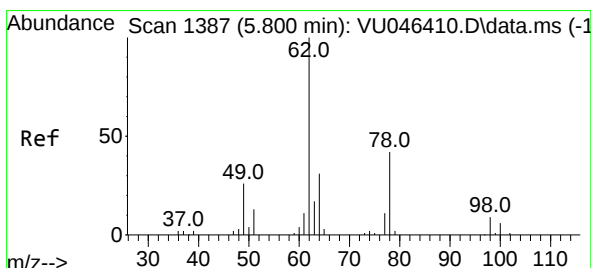
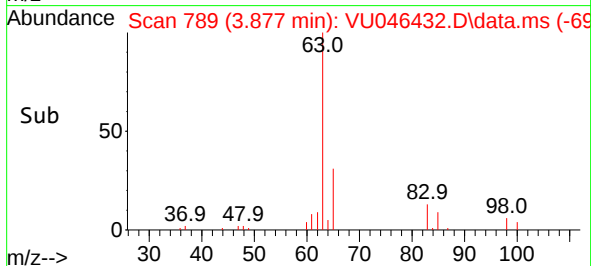
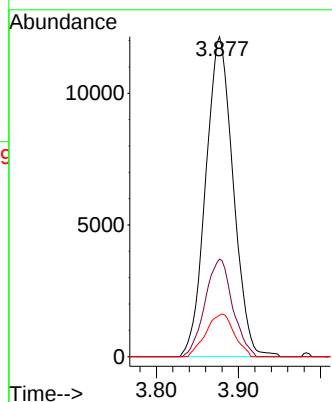
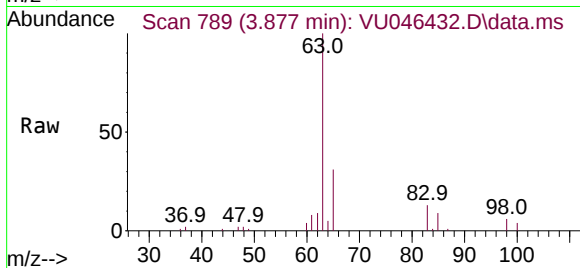
Acq: 16 Dec 2021 19:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	28213
Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.8	42.4
83	12.9	9.6	17.8



#27

1,2-Dichloroethane

Concen: 0.707 ug/L

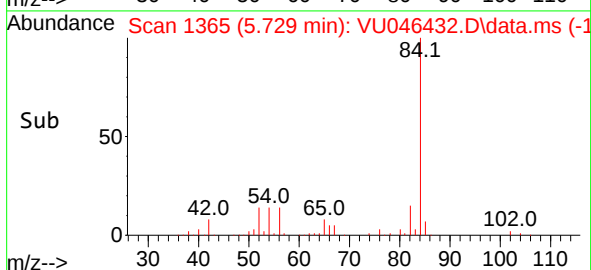
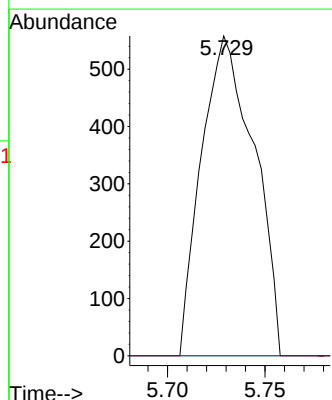
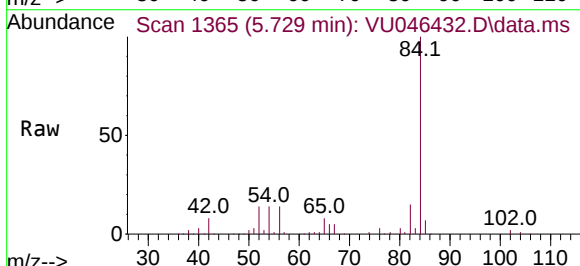
RT: 5.729 min Scan# 1365

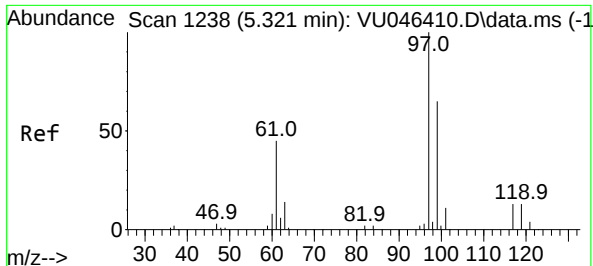
Delta R.T. -0.071 min

Lab File: VU046432.D

Acq: 16 Dec 2021 19:25

Tgt Ion:	62	Resp:	1047
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.9	11.9#





#30

1,1,1-Trichloroethane

Concen: 13.543 ug/L

RT: 5.321 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU046432.D

Acq: 16 Dec 2021 19:25

Instrument :

MSVOA_U

ClientSampleId :

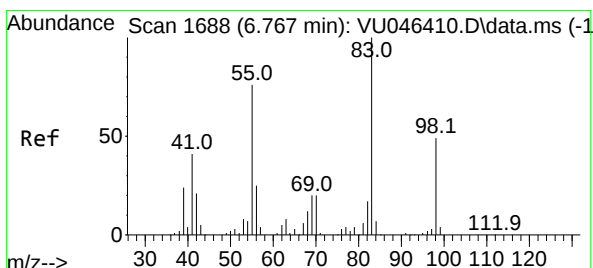
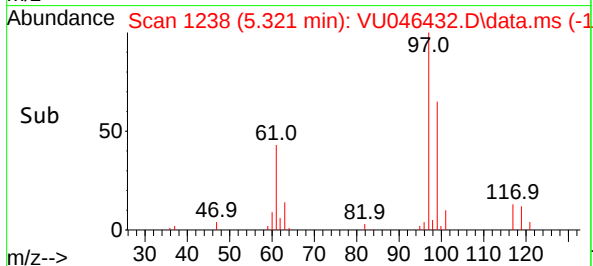
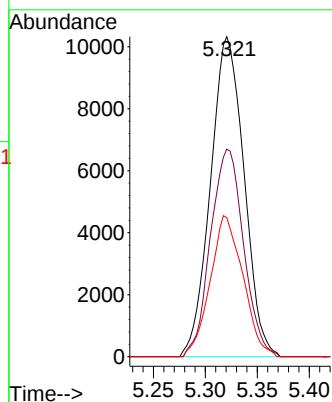
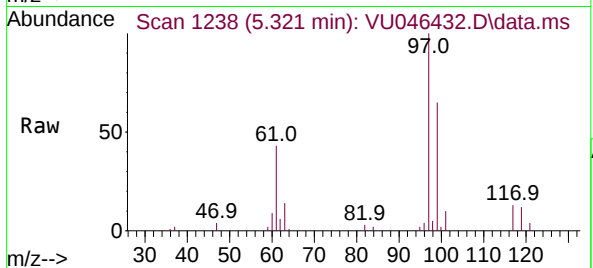
Tgt Ion: 97 Resp: 23186

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 43.0 34.4 51.6



#35

Methylcyclohexane

Concen: 8.660 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046432.D

Acq: 16 Dec 2021 19:25

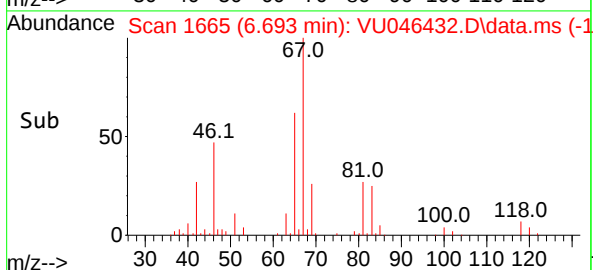
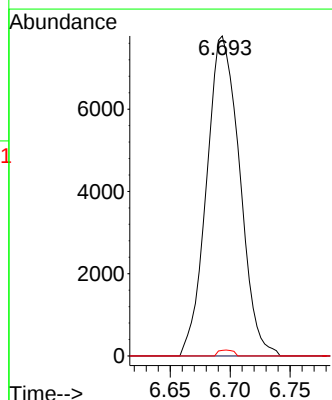
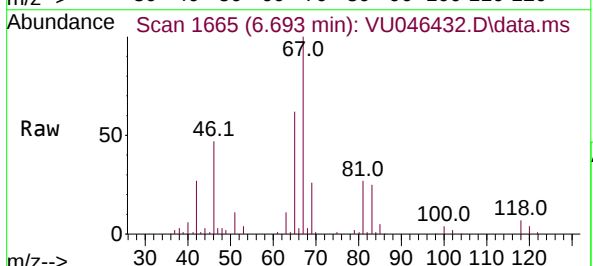
Tgt Ion: 83 Resp: 14932

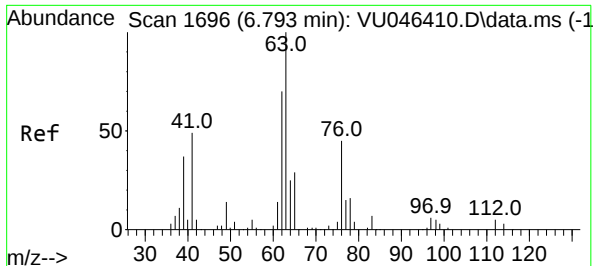
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.8 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.802 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046432.D

Acq: 16 Dec 2021 19:25

Instrument :

MSVOA_U

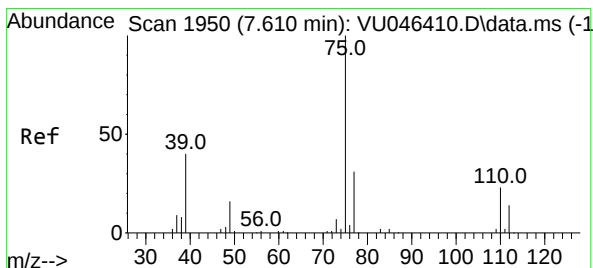
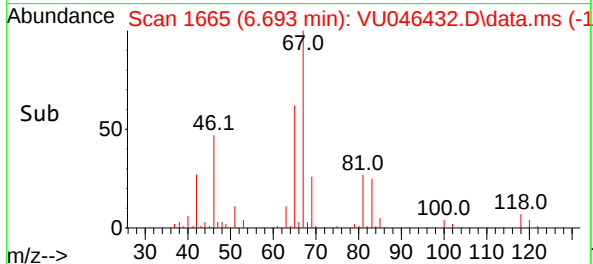
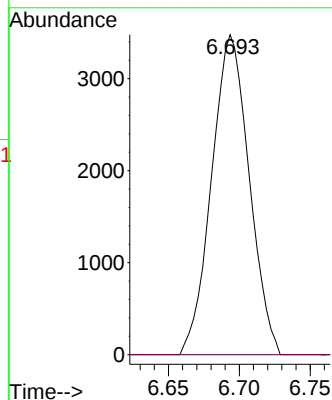
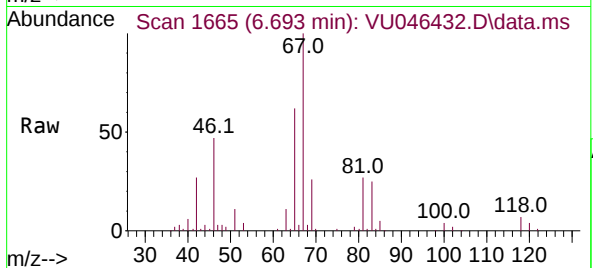
ClientSampleId :

Tgt Ion: 63 Resp: 6416

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.955 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046432.D

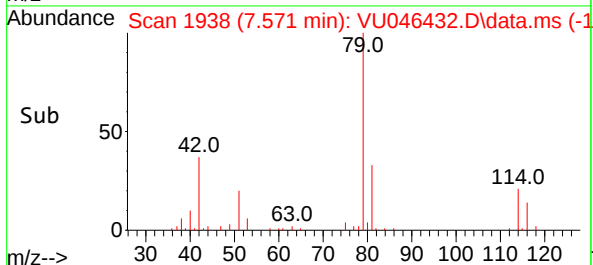
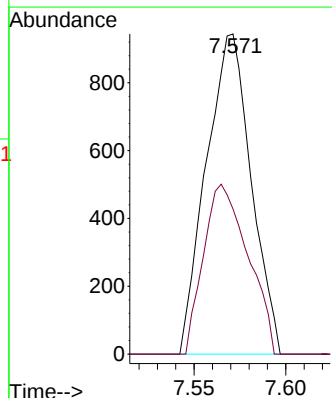
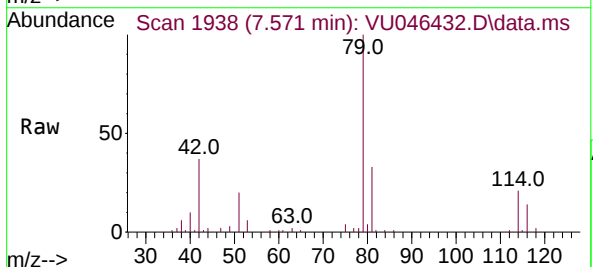
Acq: 16 Dec 2021 19:25

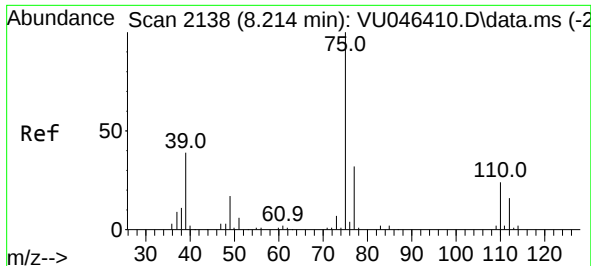
Tgt Ion: 75 Resp: 1606

Ion Ratio Lower Upper

75 100

77 45.3 21.8 40.6#

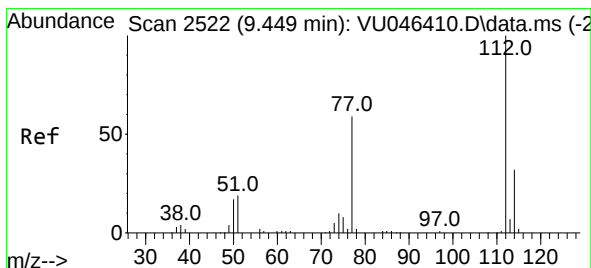
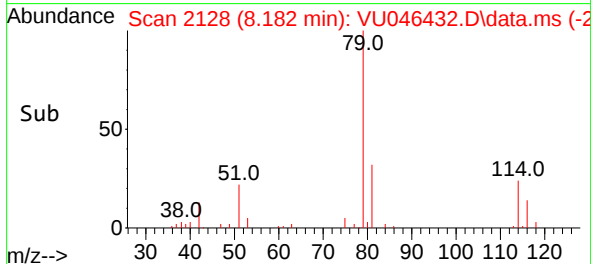
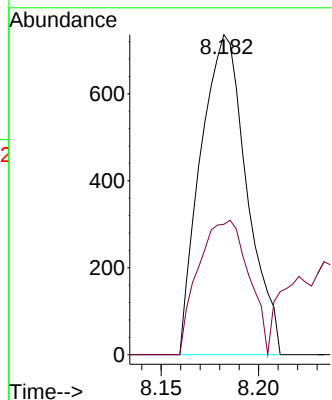
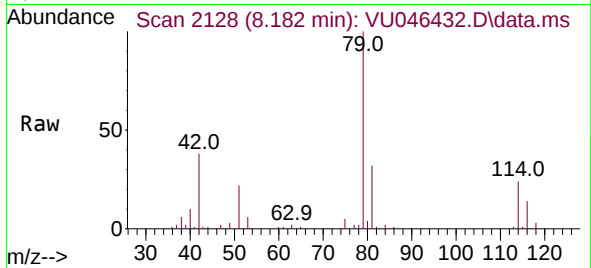




#44
trans-1,3-Dichloropropene
Concen: 0.737 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046432.D
Acq: 16 Dec 2021 19:25

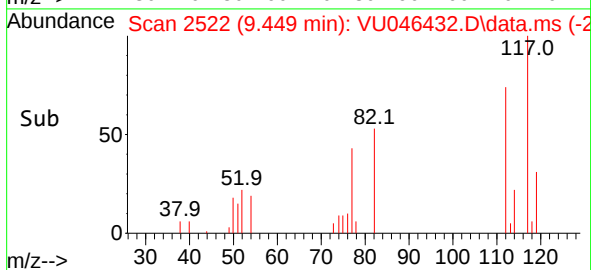
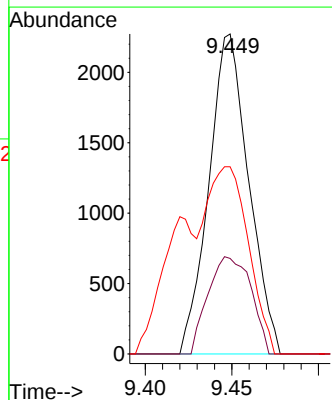
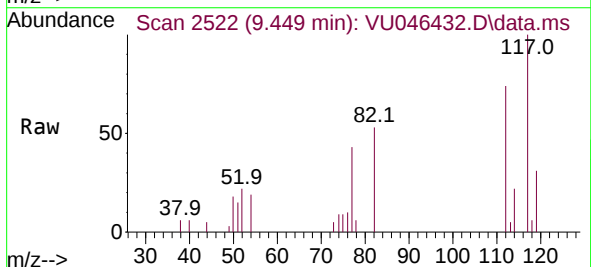
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MSVOA_U
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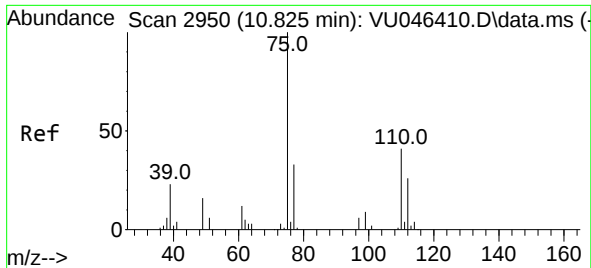
Tgt Ion: 75 Resp: 1217
Ion Ratio Lower Upper
75 100
77 40.8 21.7 40.3#



#51
Chlorobenzene
Concen: 1.239 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046432.D
Acq: 16 Dec 2021 19:25

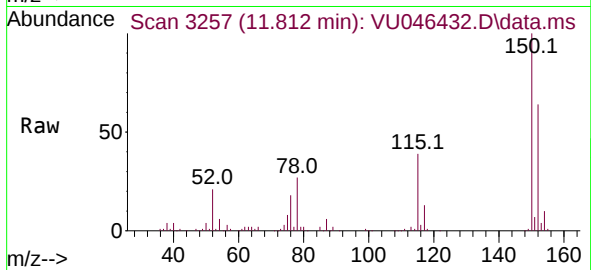
Tgt Ion: 112 Resp: 3632
Ion Ratio Lower Upper
112 100
114 29.9 22.2 41.2
77 58.5 47.4 71.0





#60
 1,2,3-Trichloropropane
 Concen: 5.436 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046432.D
 Acq: 16 Dec 2021 19:25

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 7872
 Ion Ratio Lower Upper
 75 100
 77 36.0 26.4 39.6
 110 3.7 32.4 48.6#

