

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046293.D
 Acq On : 11 Dec 2021 17:42
 Operator : SY/MD
 Sample : M4983-12DL 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

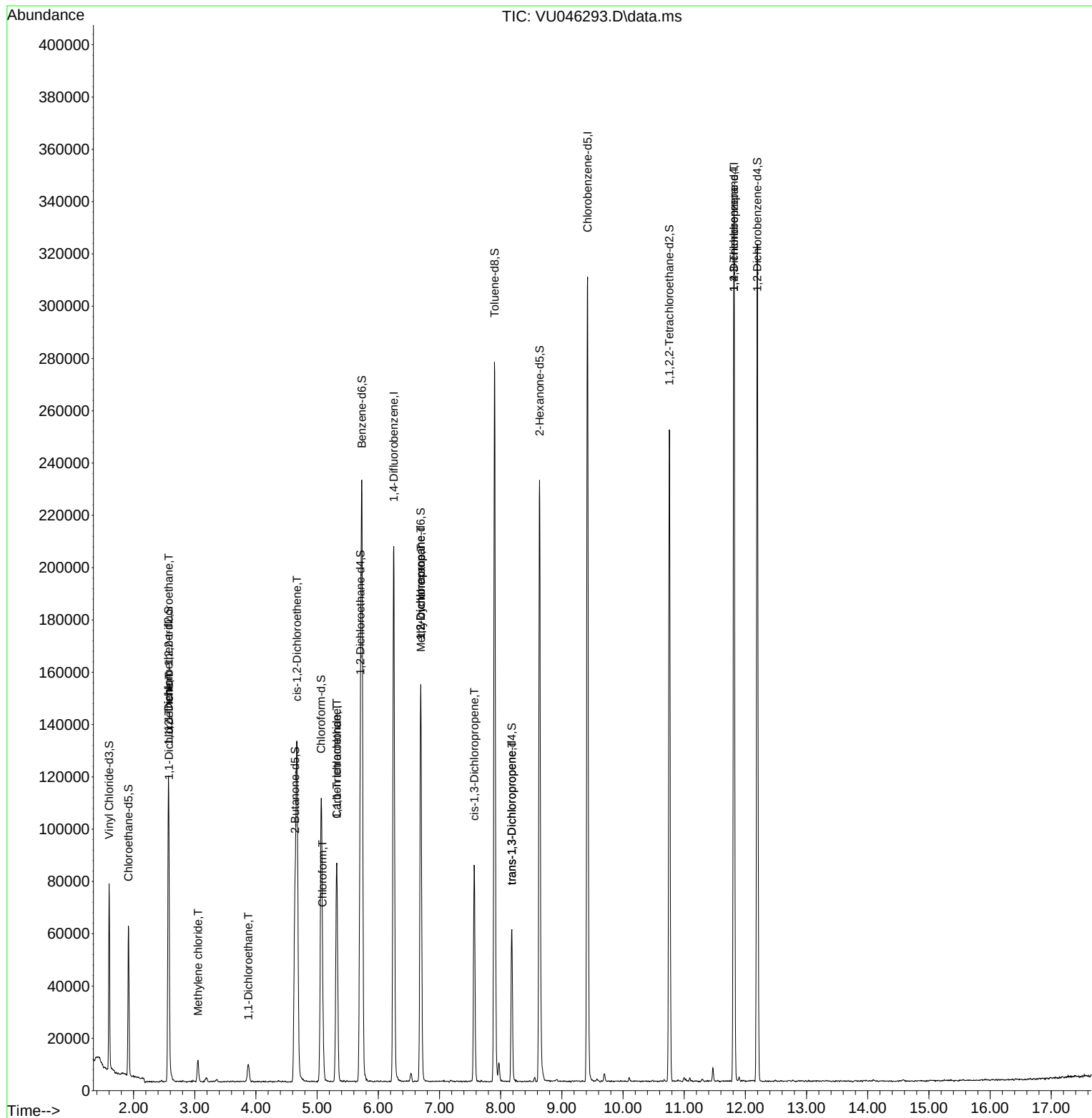
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	167918	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	173583	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89686	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	49136	35.523	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.040%
7) Chloroethane-d5	1.916	69	41483	39.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.120%
11) 1,1-Dichloroethene-d2	2.572	63	69336	27.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.840%#
21) 2-Butanone-d5	4.639	46	116691	106.122	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.120%
24) Chloroform-d	5.067	84	100901	43.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.360%
26) 1,2-Dichloroethane-d4	5.707	65	76168	49.134	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.260%
32) Benzene-d6	5.732	84	216040	43.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.840%
36) 1,2-Dichloropropane-d6	6.694	67	73000	47.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.680%
41) Toluene-d8	7.899	98	185753	41.006	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.020%
43) trans-1,3-Dichloroprop...	8.182	79	34032	45.722	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.440%
47) 2-Hexanone-d5	8.636	63	82641	113.041	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.040%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121093	51.786	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	81902	47.419	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.840%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	621	0.508	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1235	1.064	ug/L #	1
16) Methylene chloride	3.054	84	4279	3.098	ug/L	90
19) 1,1-Dichloroethane	3.877	63	8401	3.760	ug/L	92
20) cis-1,2-Dichloroethene	4.671	96	58497	43.877	ug/L	99
25) Chloroform	5.089	83	14399	5.801	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	61492	28.859	ug/L	99
31) Carbon tetrachloride	5.321	117	7904	4.370	ug/L	100
35) Methylcyclohexane	6.697	83	17348	8.084	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7743	5.626	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2017	0.963	ug/L #	73
44) trans-1,3-Dichloropropene	8.182	75	1398	0.680	ug/L	98
60) 1,2,3-Trichloropropane	11.812	75	10550	5.366	ug/L #	65

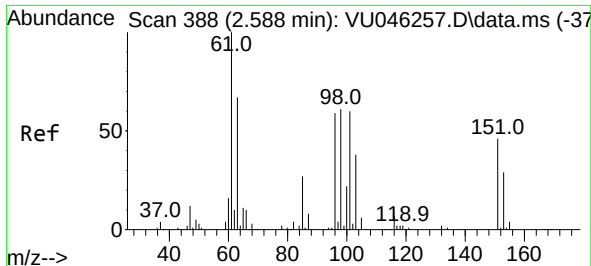
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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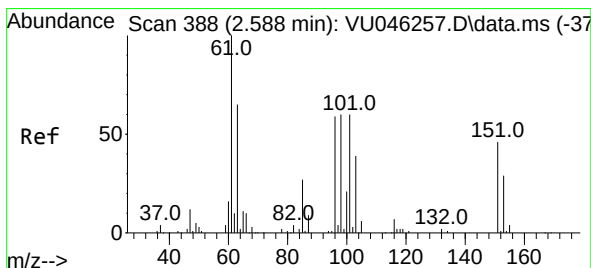
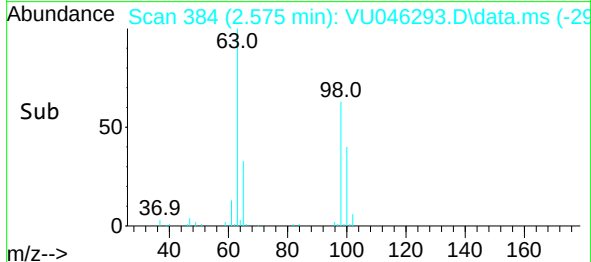
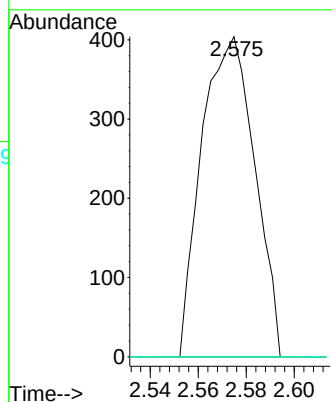
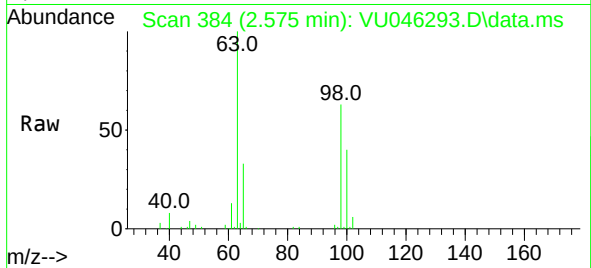




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.508 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046293.D
Acq: 11 Dec 2021 17:42

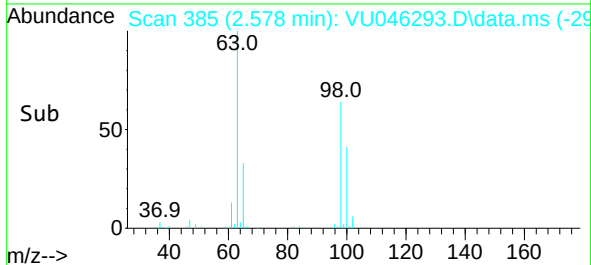
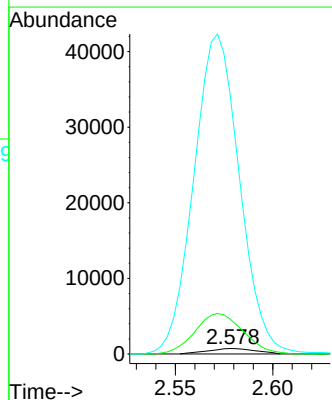
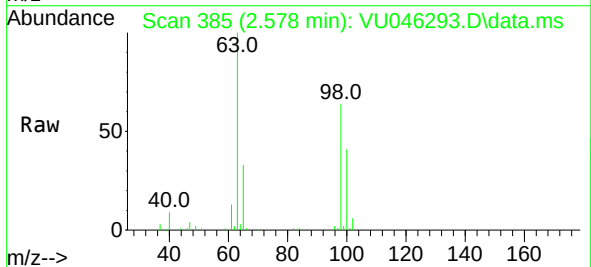
Instrument :
MSVOA_U
ClientSampleId :

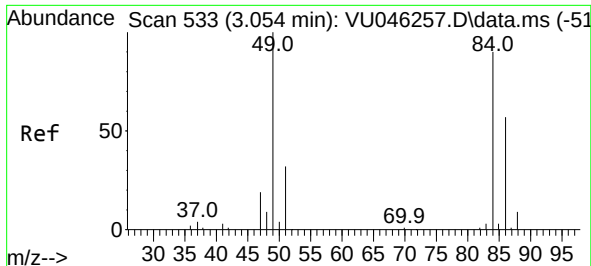
Tgt Ion:101 Resp: 621
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 1.064 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046293.D
Acq: 11 Dec 2021 17:42

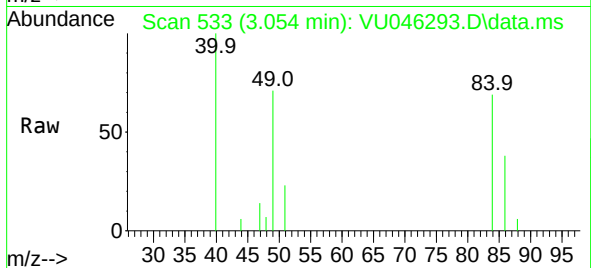
Tgt Ion: 96 Resp: 1235
Ion Ratio Lower Upper
96 100
61 645.3 118.6 220.2#
63 4808.9 93.0 172.8#





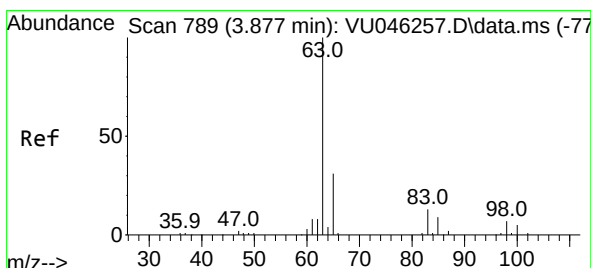
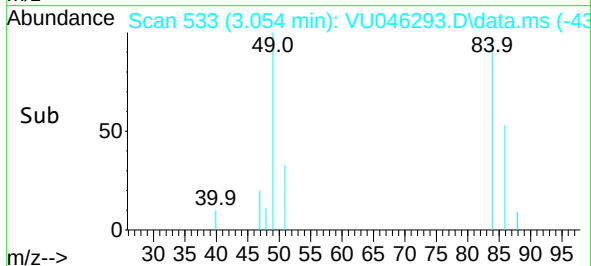
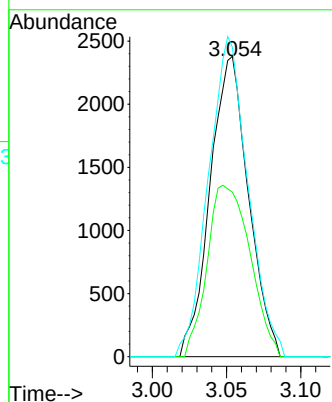
#16
Methylene chloride
Concen: 3.098 ug/L
RT: 3.054 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU046293.D
Acq: 11 Dec 2021 17:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 4279

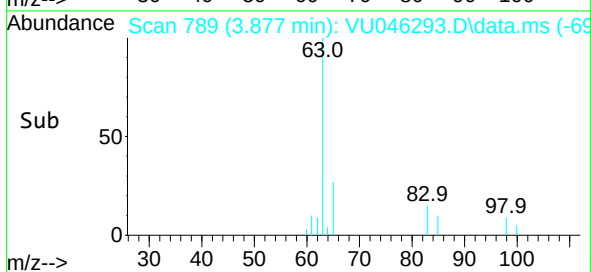
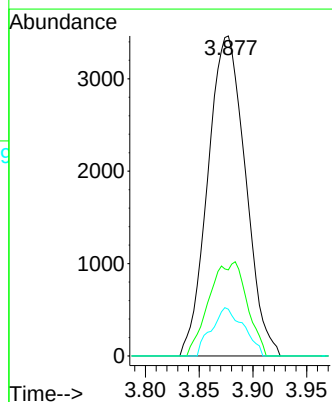
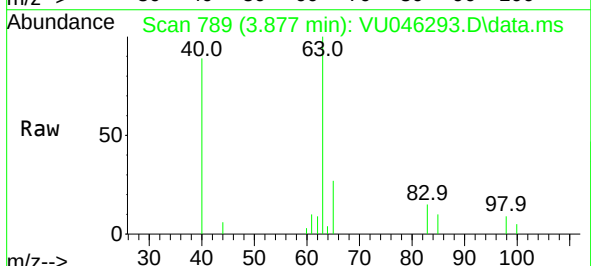
Ion	Ratio	Lower	Upper
84	100		
86	54.8	44.7	83.1
49	103.1	78.4	145.6

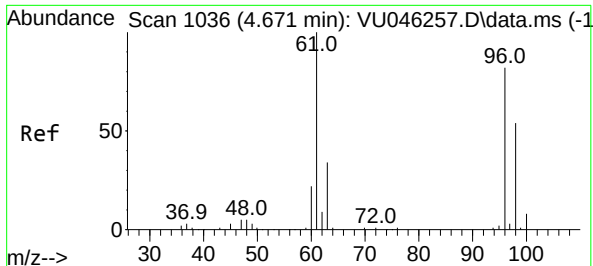


#19
1,1-Dichloroethane
Concen: 3.760 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046293.D
Acq: 11 Dec 2021 17:42

Tgt Ion: 63 Resp: 8401

Ion	Ratio	Lower	Upper
63	100		
65	26.9	22.8	42.4
83	14.6	9.6	17.8





#20

cis-1,2-Dichloroethene

Concen: 43.877 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046293.D

Acq: 11 Dec 2021 17:42

Instrument :

MSVOA_U

ClientSampleId :

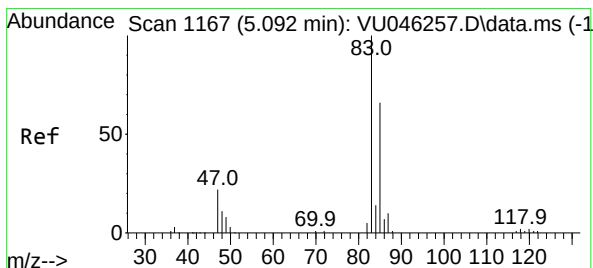
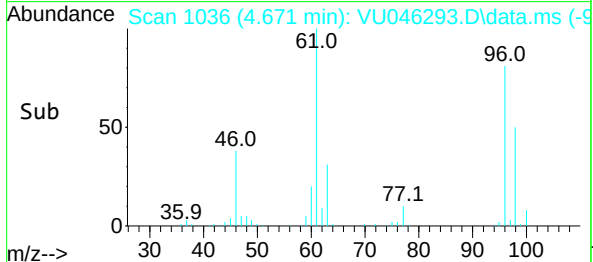
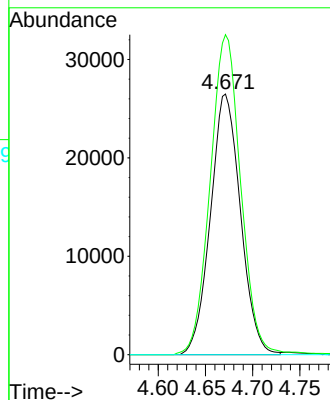
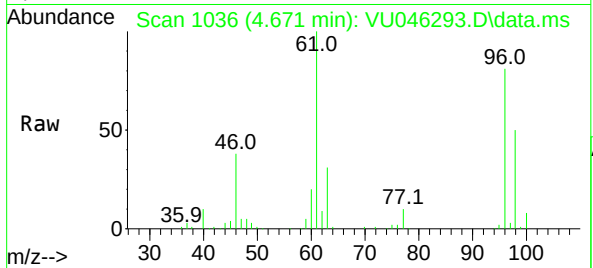
Tgt Ion: 96 Resp: 58497

Ion Ratio Lower Upper

96 100

61 122.8 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 5.801 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046293.D

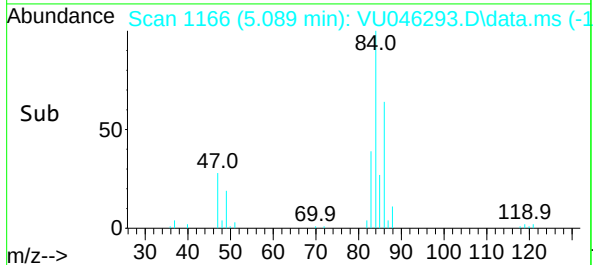
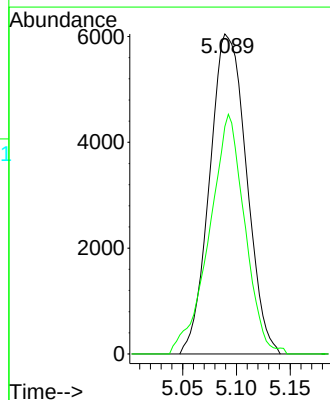
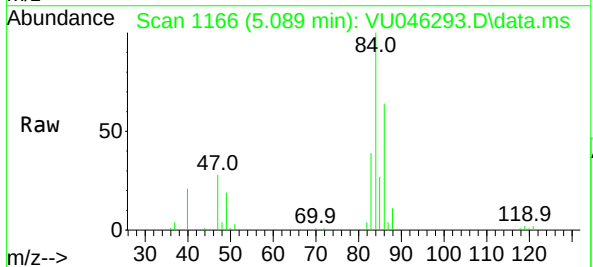
Acq: 11 Dec 2021 17:42

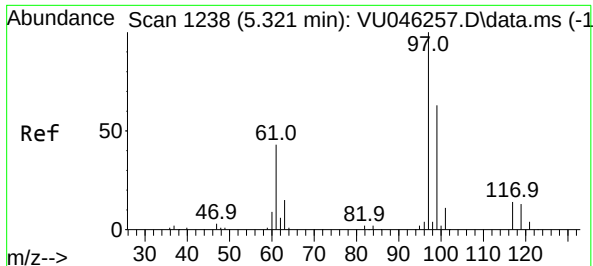
Tgt Ion: 83 Resp: 14399

Ion Ratio Lower Upper

83 100

85 71.0 45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 28.859 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046293.D

Acq: 11 Dec 2021 17:42

Instrument :

MSVOA_U

ClientSampleId :

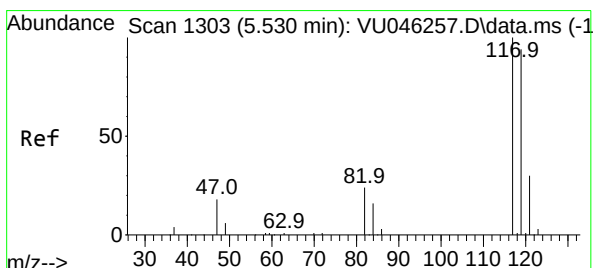
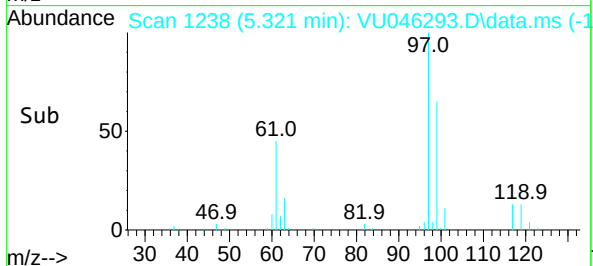
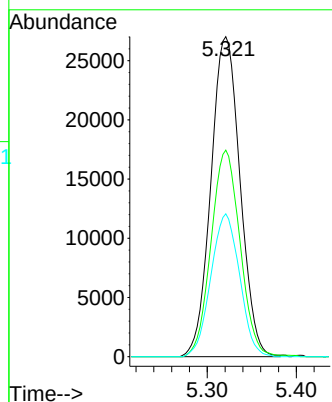
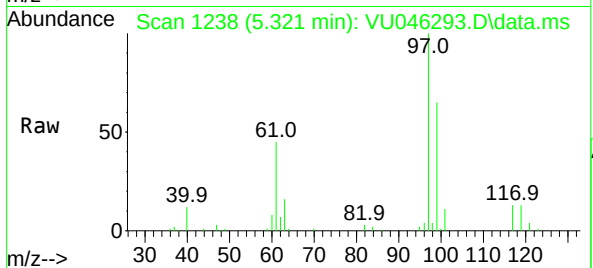
Tgt Ion: 97 Resp: 61492

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 44.0 34.4 51.6



#31

Carbon tetrachloride

Concen: 4.370 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046293.D

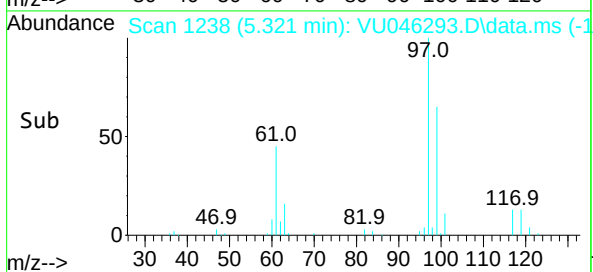
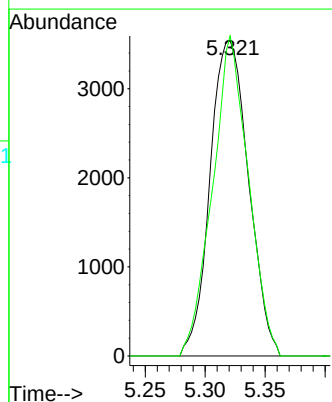
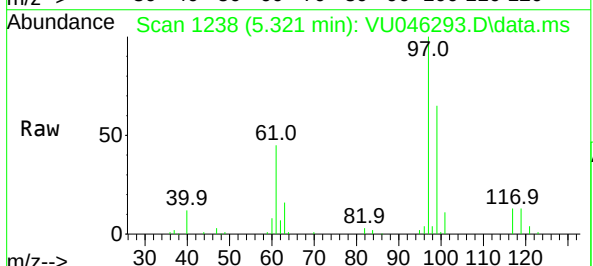
Acq: 11 Dec 2021 17:42

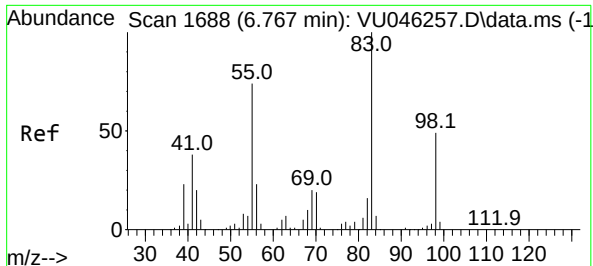
Tgt Ion: 117 Resp: 7904

Ion Ratio Lower Upper

117 100

119 94.7 75.7 113.5





#35

Methylcyclohexane

Concen: 8.084 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU046293.D

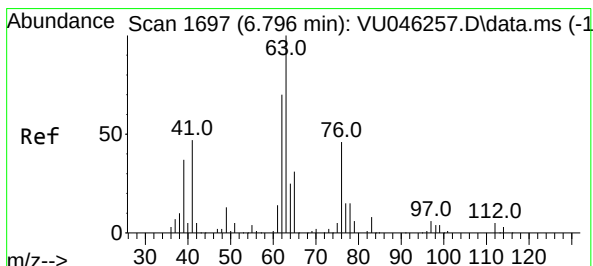
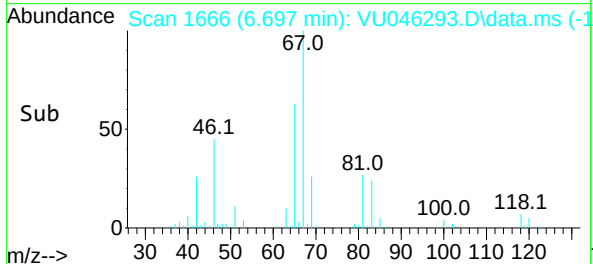
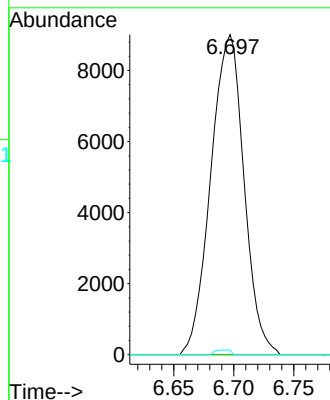
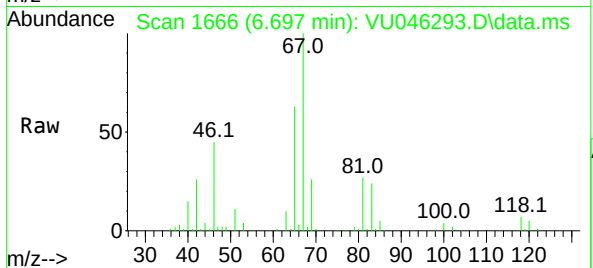
Acq: 11 Dec 2021 17:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 17348
Ion Ratio	Lower Upper
83	100
55	0.0 57.8 86.6#
98	0.7 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.626 ug/L

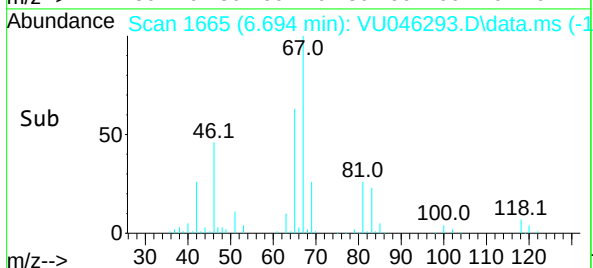
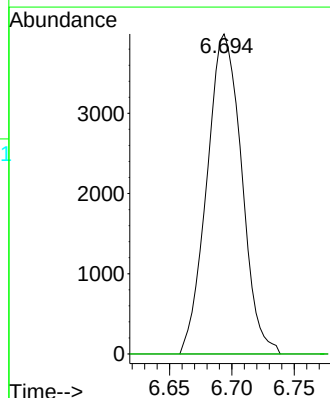
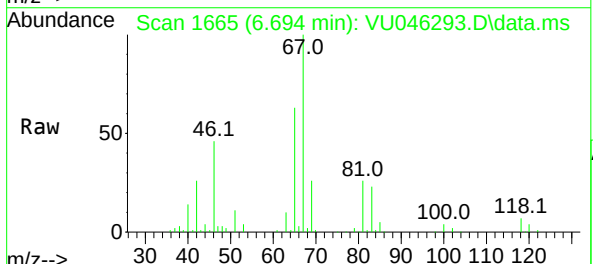
RT: 6.694 min Scan# 1665

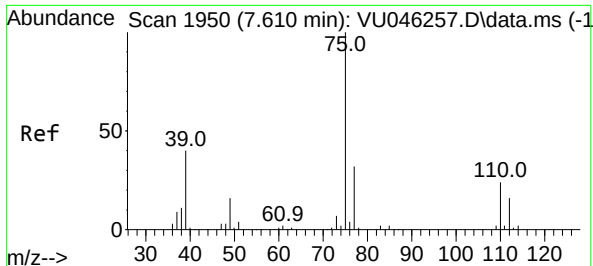
Delta R.T. -0.100 min

Lab File: VU046293.D

Acq: 11 Dec 2021 17:42

Tgt Ion: 63	Resp: 7743
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.963 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046293.D

Acq: 11 Dec 2021 17:42

Instrument :

MSVOA_U

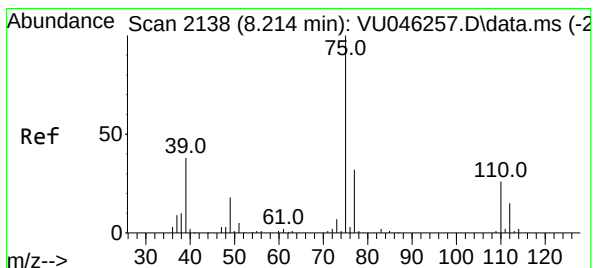
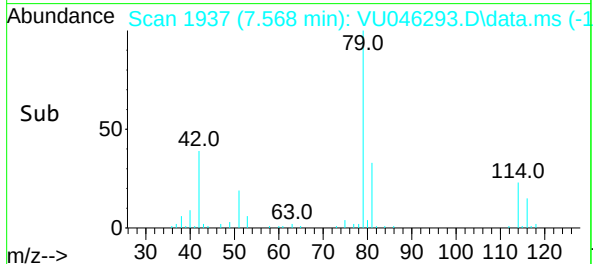
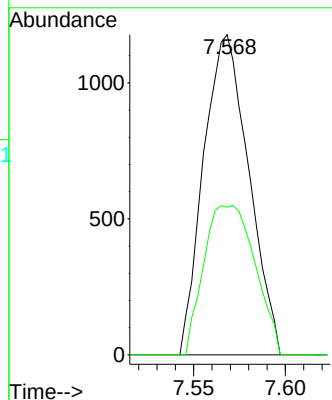
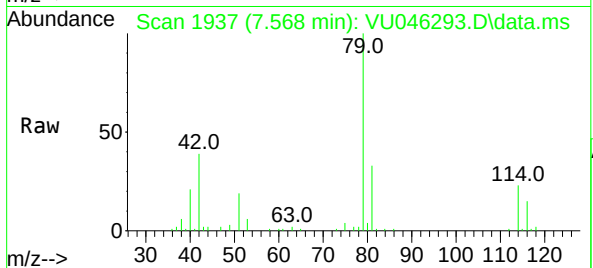
ClientSampleId :

Tgt Ion: 75 Resp: 2017

Ion Ratio Lower Upper

75 100

77 46.1 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.680 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046293.D

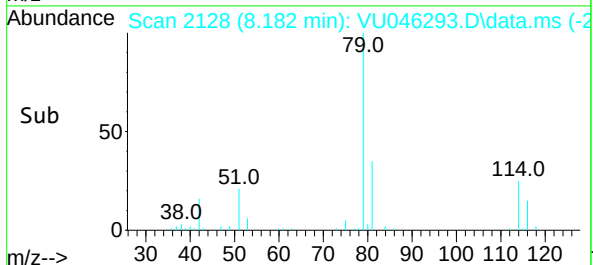
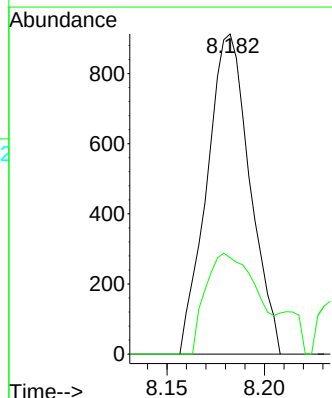
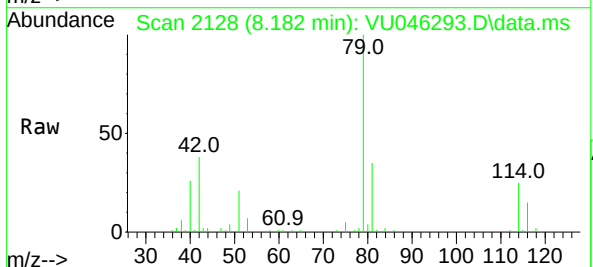
Acq: 11 Dec 2021 17:42

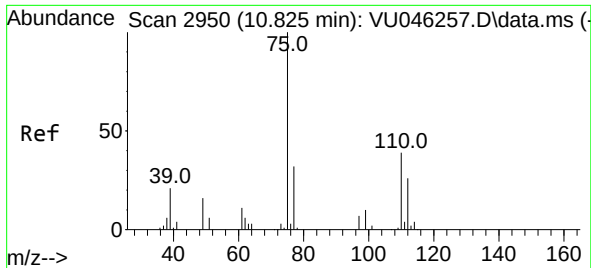
Tgt Ion: 75 Resp: 1398

Ion Ratio Lower Upper

75 100

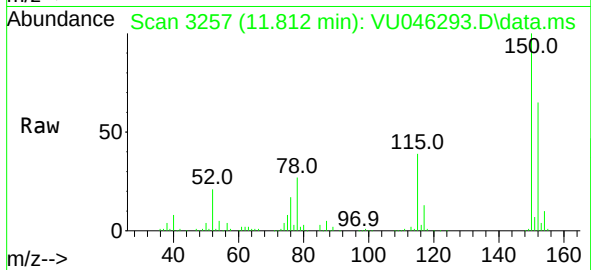
77 30.1 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.366 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046293.D
 Acq: 11 Dec 2021 17:42

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	10550
Ion	Ratio	Lower	Upper
75	100		
77	33.9	26.4	39.6
110	2.3	32.4	48.6#

