

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046394.D
 Acq On : 15 Dec 2021 13:59
 Operator : SY/MD
 Sample : M4997-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:09:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

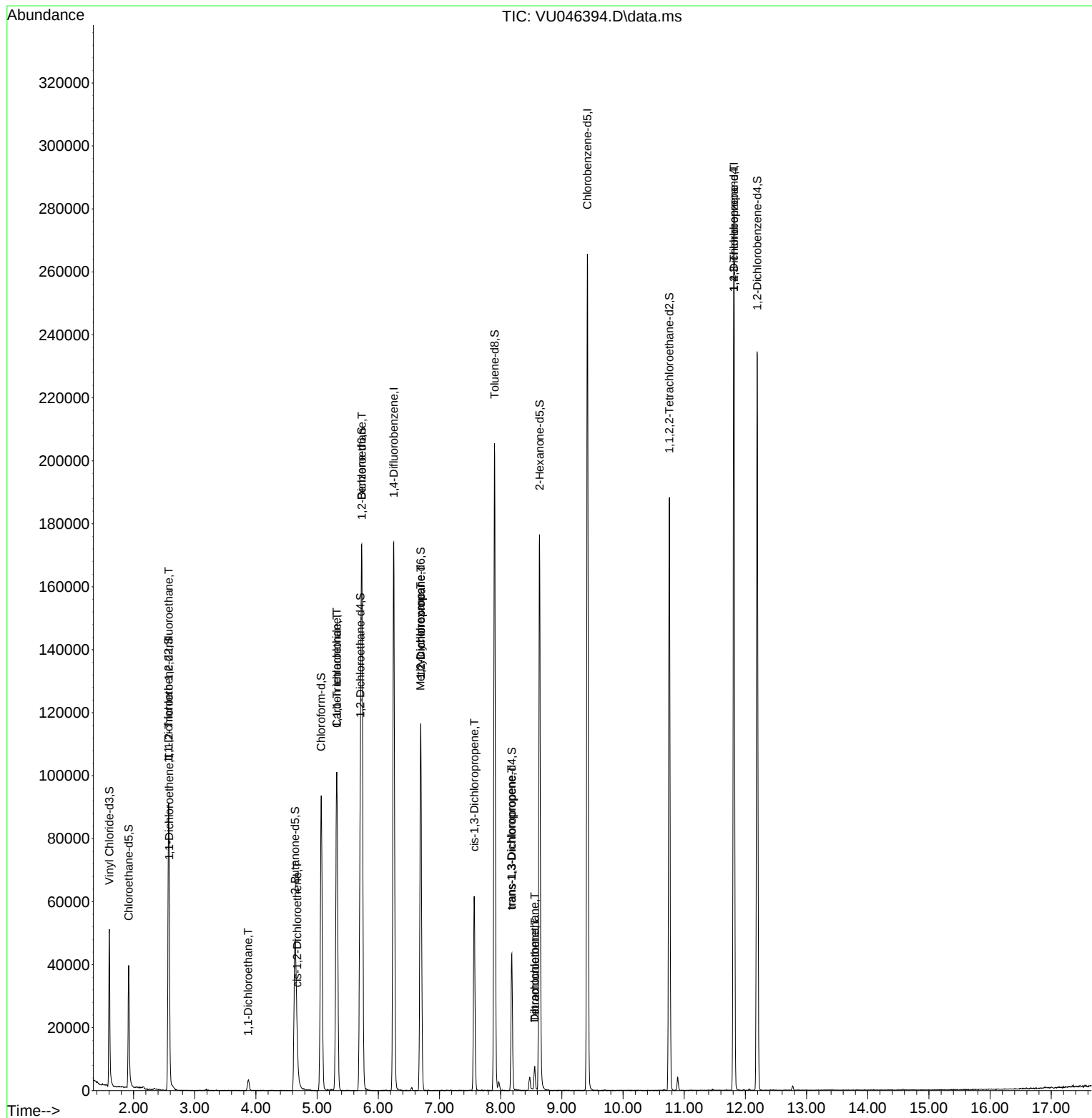
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	140746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	144439	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	72417	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	38607	33.299	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.600%
7) Chloroethane-d5	1.919	69	31174	35.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.040%
11) 1,1-Dichloroethene-d2	2.572	63	54683	26.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.540%#
21) 2-Butanone-d5	4.639	46	88409	95.923	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.920%
24) Chloroform-d	5.067	84	87881	45.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.780%
26) 1,2-Dichloroethane-d4	5.707	65	58456	44.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
32) Benzene-d6	5.729	84	161007	38.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.780%
36) 1,2-Dichloropropane-d6	6.694	67	53897	42.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.020%
41) Toluene-d8	7.899	98	136059	36.096	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.200%#
43) trans-1,3-Dichloroprop...	8.182	79	25018	40.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.780%
47) 2-Hexanone-d5	8.636	63	63941	105.110	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	91255	46.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	60933	43.691	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.380%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	380	0.371	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	2496	2.565	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	4324	2.309	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	2099	1.878	ug/L	91
27) 1,2-Dichloroethane	5.732	62	834	0.540	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	75700	42.696	ug/L	99
31) Carbon tetrachloride	5.321	117	9349	6.211	ug/L	100
35) Methylcyclohexane	6.690	83	13110	7.342	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	5913	5.163	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1484	0.852	ug/L #	70
44) trans-1,3-Dichloropropene	8.179	75	1144	0.669	ug/L	93
46) Tetrachloroethene	8.559	164	1514	1.789	ug/L	87
49) Dibromochloromethane	8.555	129	1520	1.260	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8720	5.493	ug/L #	65

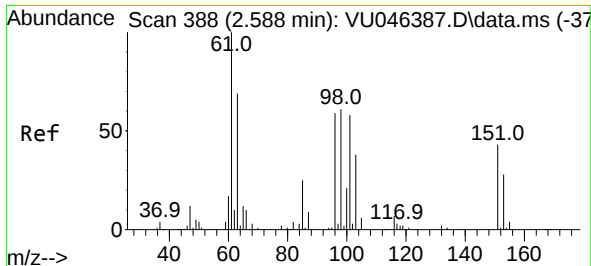
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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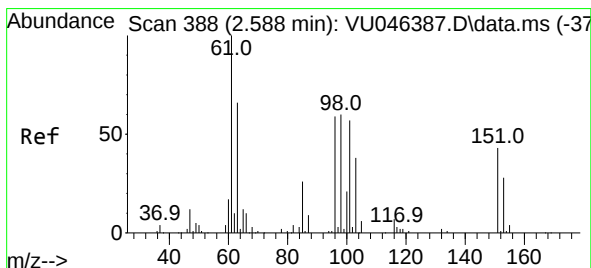
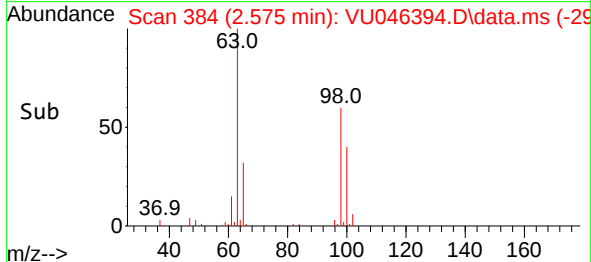
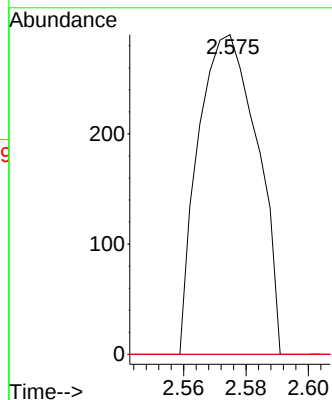
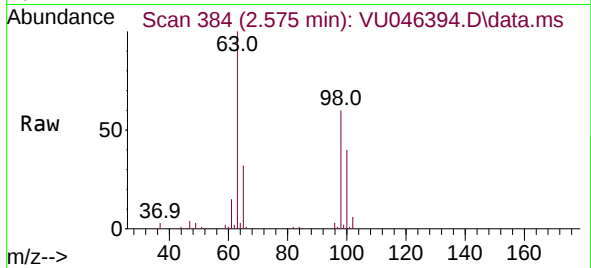




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.371 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

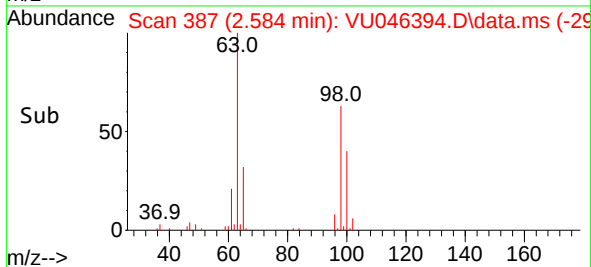
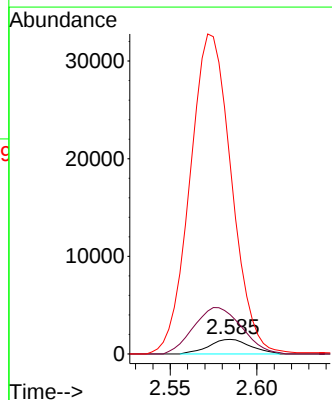
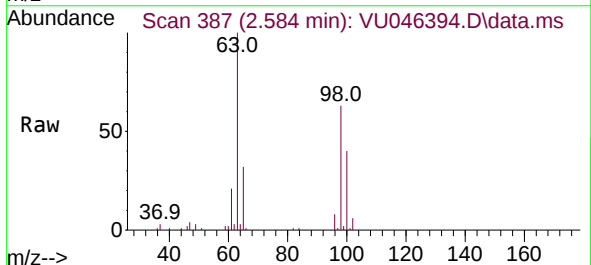
Instrument :
MSVOA_U
ClientSampleId :

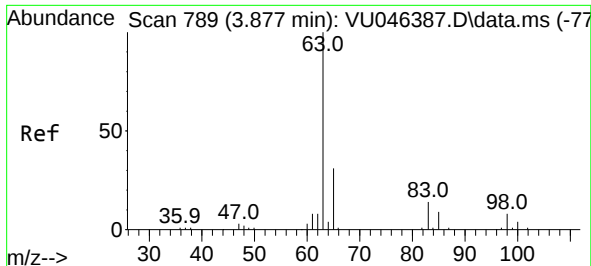
Tgt Ion:101 Resp: 380
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 2.565 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

Tgt Ion: 96 Resp: 2496
Ion Ratio Lower Upper
96 100
61 269.5 118.6 220.2#
63 1303.4 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 2.309 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046394.D

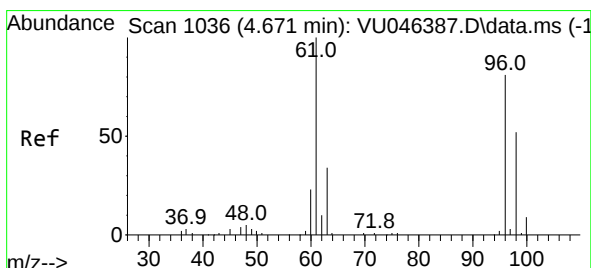
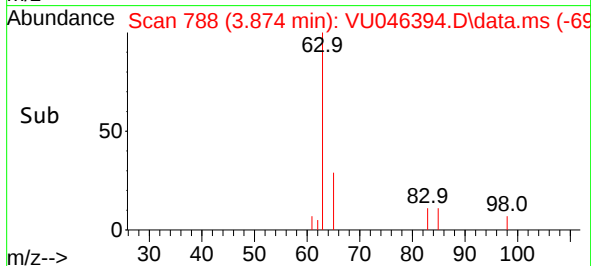
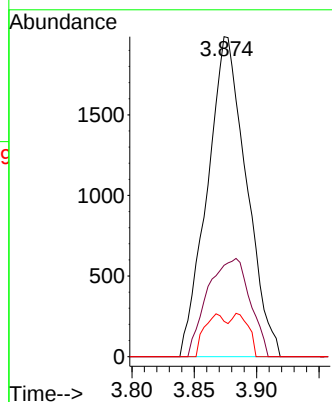
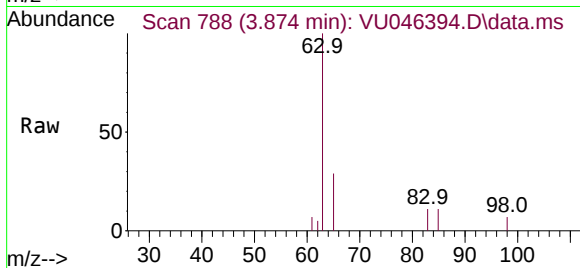
Acq: 15 Dec 2021 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 4324
Ion Ratio	Lower Upper
63	100
65	28.5 22.8 42.4
83	11.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.878 ug/L

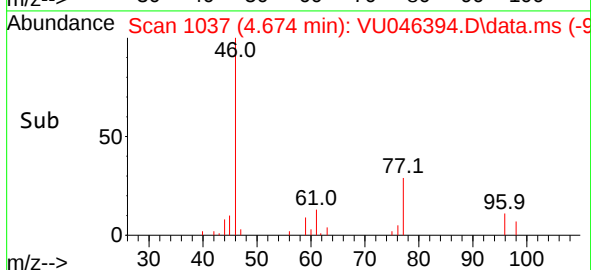
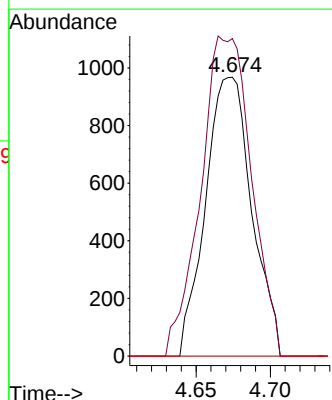
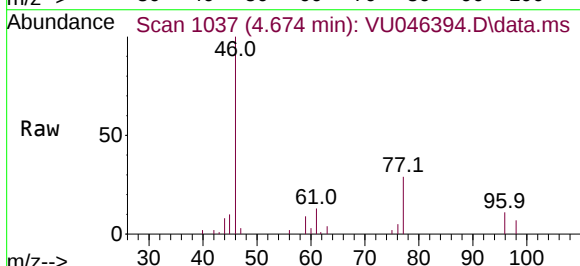
RT: 4.674 min Scan# 1037

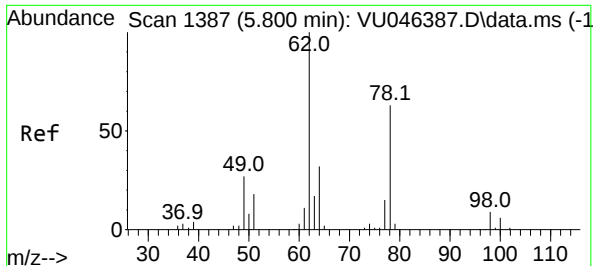
Delta R.T. 0.003 min

Lab File: VU046394.D

Acq: 15 Dec 2021 13:59

Tgt Ion: 96	Resp: 2099
Ion Ratio	Lower Upper
96	100
61	113.8 86.8 161.2
68	0.0 0.0 0.0

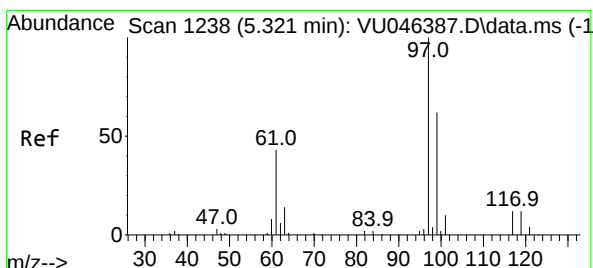
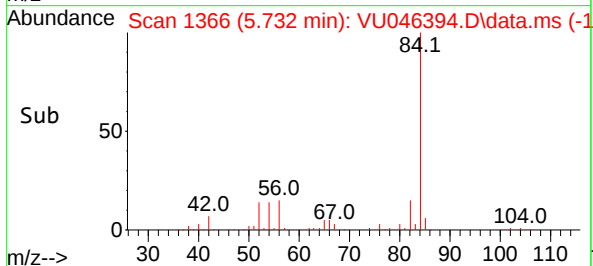
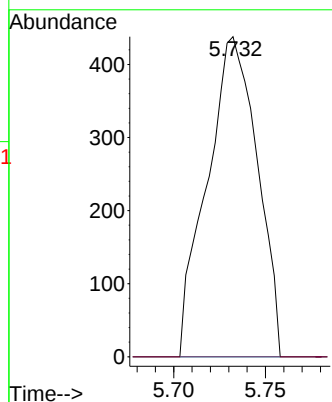
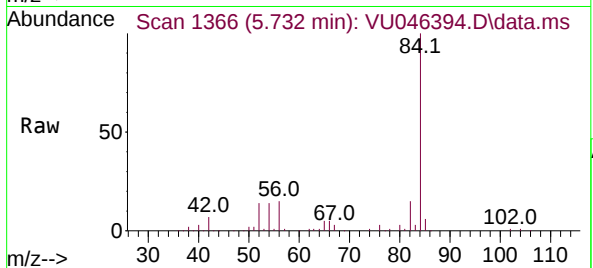




#27
1,2-Dichloroethane
Concen: 0.540 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.068 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

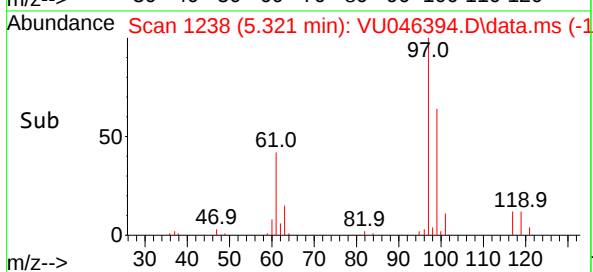
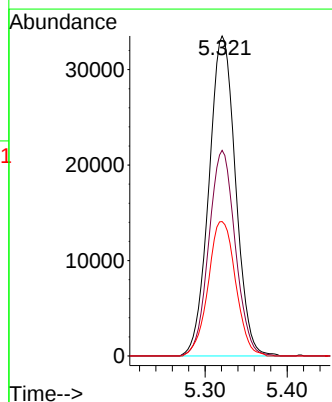
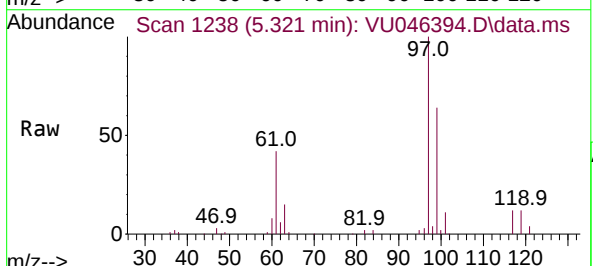
Instrument :
MSVOA_U
ClientSampleId :

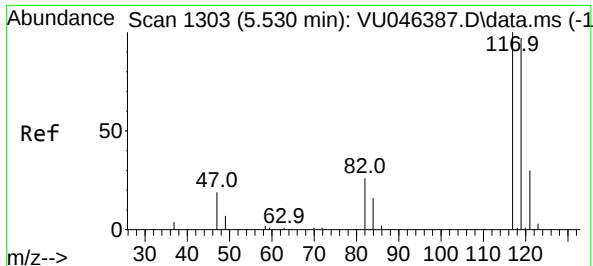
Tgt Ion: 62 Resp: 834
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 42.696 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

Tgt Ion: 97 Resp: 75700
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 43.3 34.4 51.6

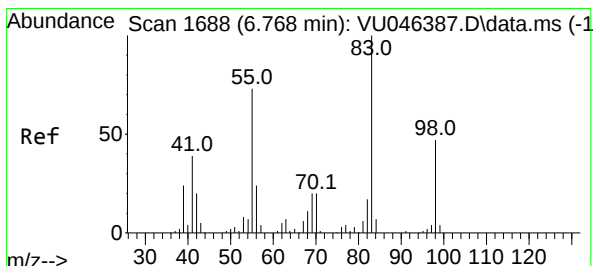
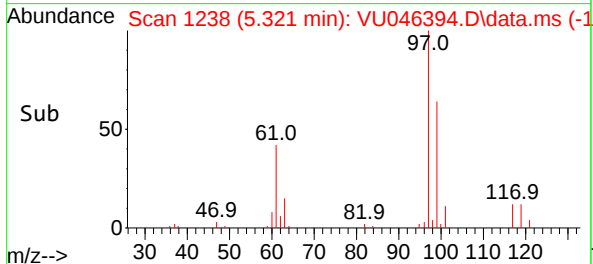
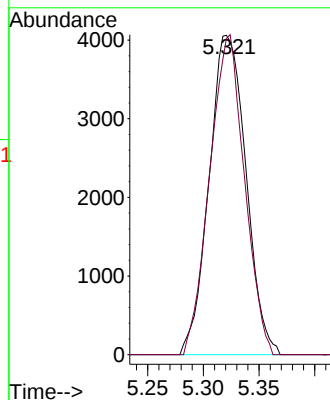
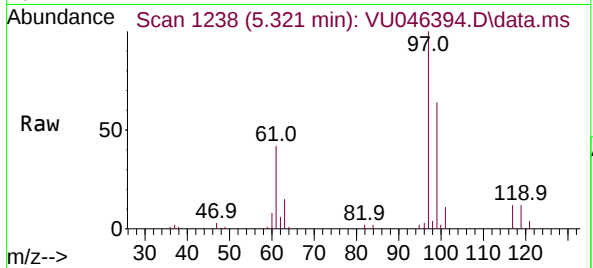




#31
Carbon tetrachloride
Concen: 6.211 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

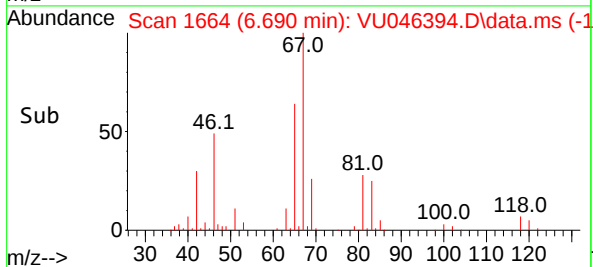
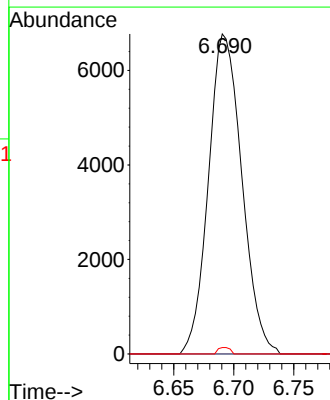
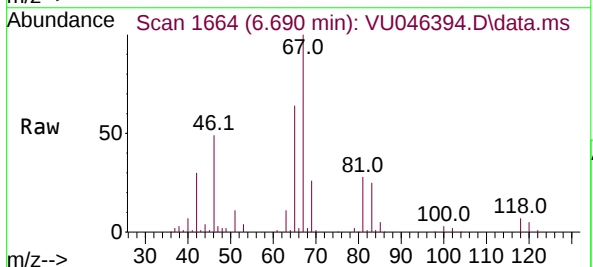
Instrument :
MSVOA_U
ClientSampleId :

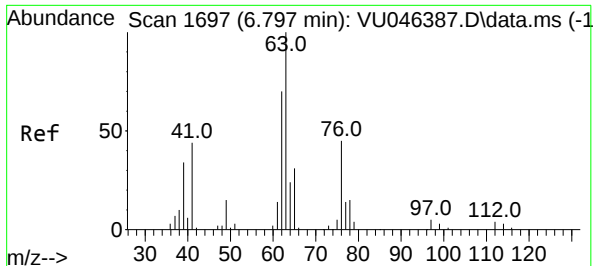
Tgt Ion:117 Resp: 9349
Ion Ratio Lower Upper
117 100
119 94.3 75.7 113.5



#35
Methylcyclohexane
Concen: 7.342 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

Tgt Ion: 83 Resp: 13110
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: 5.163 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046394.D

Acq: 15 Dec 2021 13:59

Instrument :

MSVOA_U

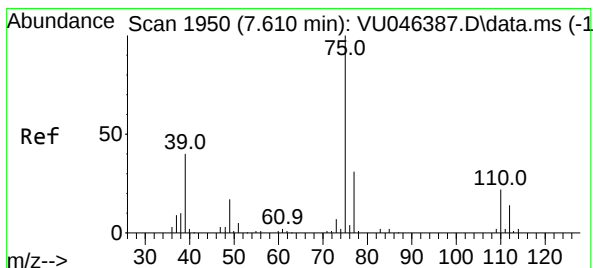
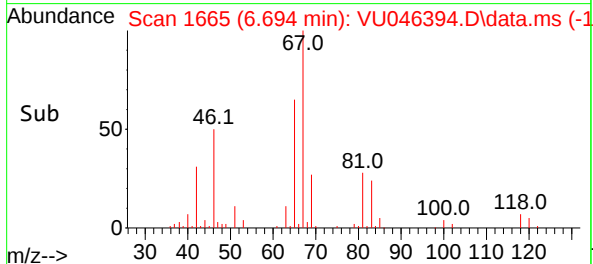
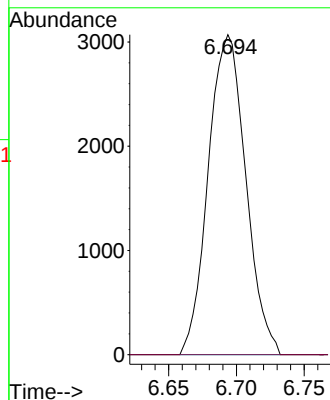
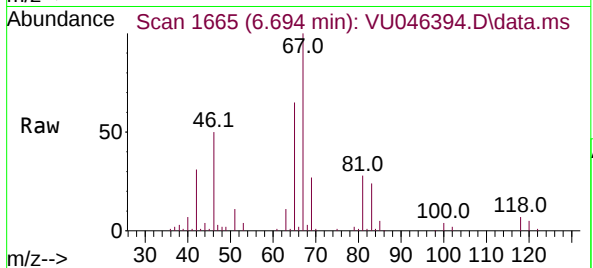
ClientSampleId :

Tgt Ion: 63 Resp: 5913

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.852 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046394.D

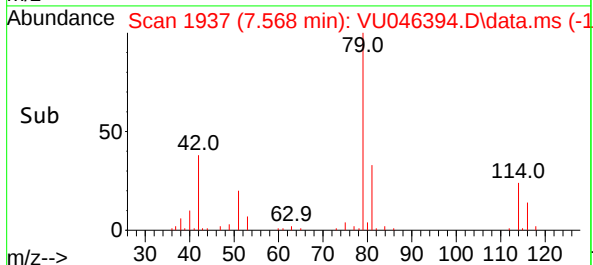
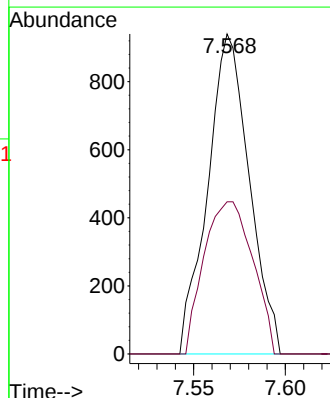
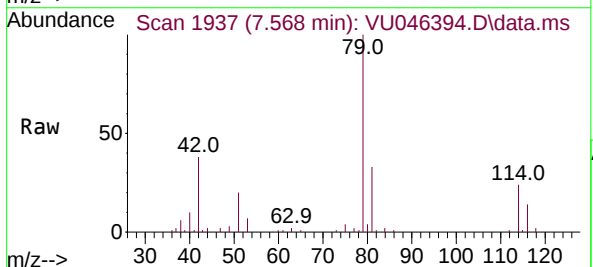
Acq: 15 Dec 2021 13:59

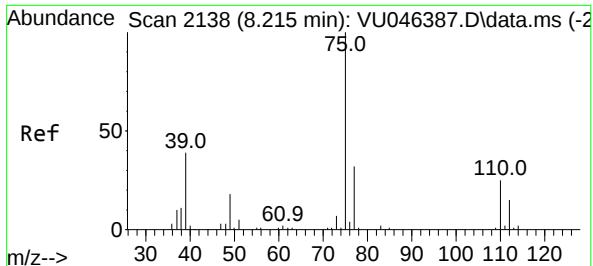
Tgt Ion: 75 Resp: 1484

Ion Ratio Lower Upper

75 100

77 47.6 21.8 40.6#

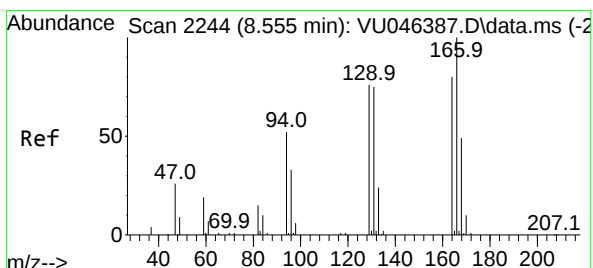
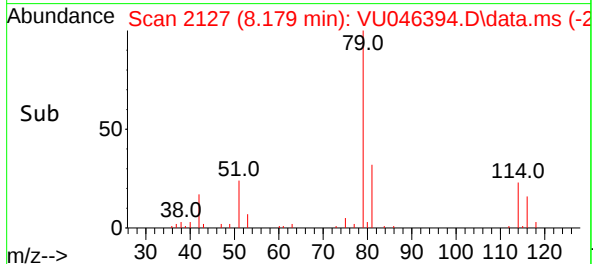
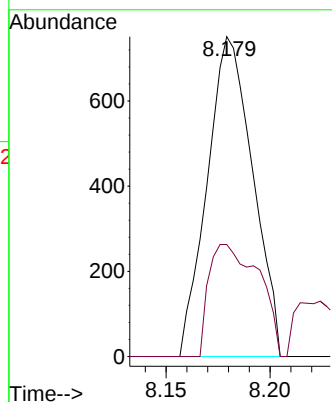
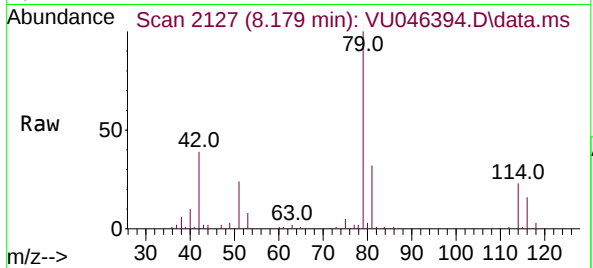




#44
trans-1,3-Dichloropropene
Concen: 0.669 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

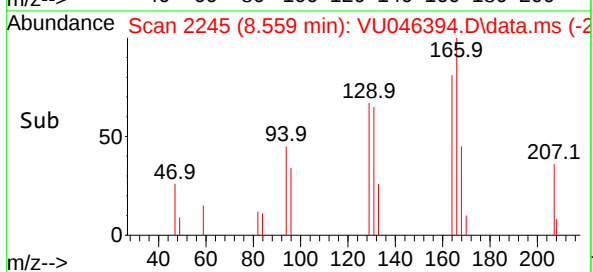
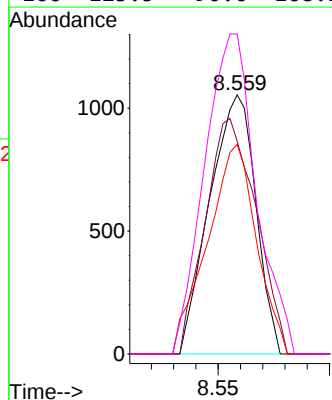
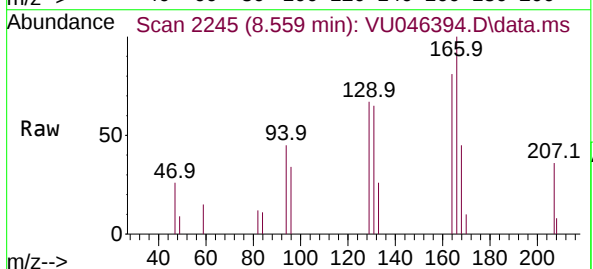
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MSVOA_U
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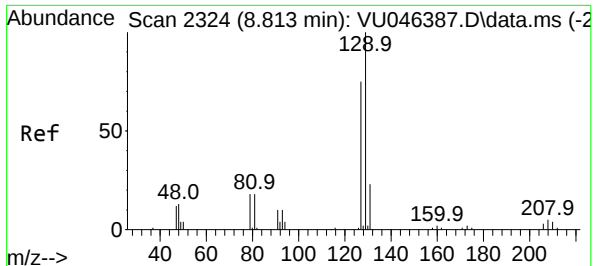
Tgt Ion: 75 Resp: 1144
Ion Ratio Lower Upper
75 100
77 35.0 21.7 40.3



#46
Tetrachloroethene
Concen: 1.789 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

Tgt Ion: 164 Resp: 1514
Ion Ratio Lower Upper
164 100
129 82.2 71.1 132.1
131 80.8 67.8 126.0
166 123.5 90.6 168.2





#49

Dibromochloromethane

Concen: 1.260 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046394.D

Acq: 15 Dec 2021 13:59

Instrument :

MSVOA_U

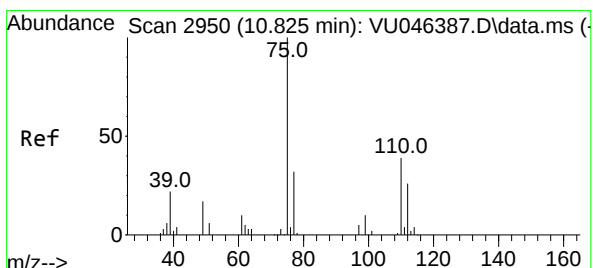
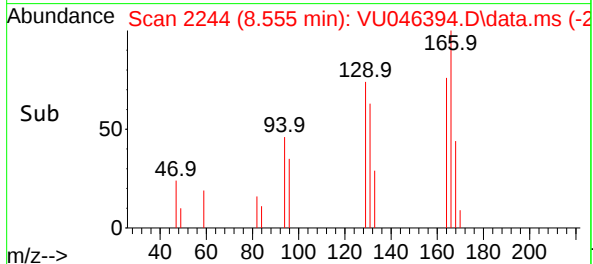
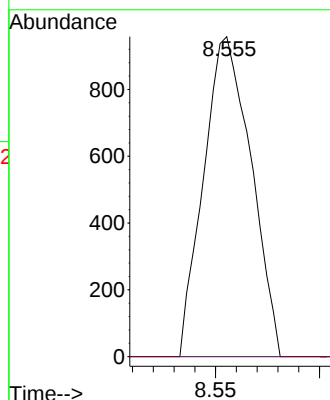
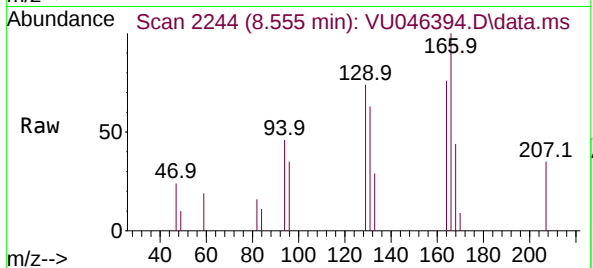
ClientSampleId :

Tgt Ion:129 Resp: 1520

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.493 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046394.D

Acq: 15 Dec 2021 13:59

Tgt Ion: 75 Resp: 8720

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

110 1.6 32.4 48.6#

