

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046325.D
 Acq On : 13 Dec 2021 18:58
 Operator : SY/MD
 Sample : M4983-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

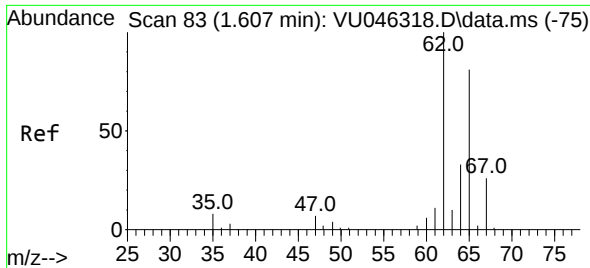
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 03:42:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

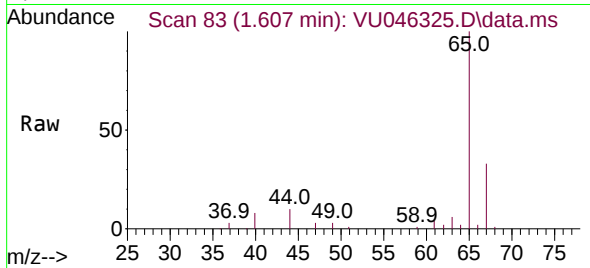
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	144950	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	154174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83457	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	53933	45.169	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.340%		
7) Chloroethane-d5	1.919	69	41005	44.728	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.460%		
11) 1,1-Dichloroethene-d2	2.572	63	70193	32.747	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.500%		
21) 2-Butanone-d5	4.639	46	82624	87.047	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.050%		
24) Chloroform-d	5.067	84	88794	44.532	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.060%		
26) 1,2-Dichloroethane-d4	5.703	65	63979	47.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.620%		
32) Benzene-d6	5.732	84	184745	41.808	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.620%		
36) 1,2-Dichloropropane-d6	6.694	67	59493	43.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.880%		
41) Toluene-d8	7.899	98	157669	39.188	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.380%#		
43) trans-1,3-Dichloroprop...	8.179	79	27663	41.844	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.680%		
47) 2-Hexanone-d5	8.636	63	55064	84.802	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.800%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92788	44.676	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.360%		
66) 1,2-Dichlorobenzene-d4	12.195	152	68104	42.373	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.740%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	909	0.639	ug/L #	6
8) Chloroethane	1.938	64	24317	29.529	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	579	0.549	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	540	0.539	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	43232	22.418	ug/L	98
27) 1,2-Dichloroethane	5.726	62	878	0.552	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	15543	8.213	ug/L	96
31) Carbon tetrachloride	5.321	117	1928	1.200	ug/L	98
37) 1,2-Dichloropropane	6.690	63	6850	5.604	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1664	0.895	ug/L #	63
46) Tetrachloroethene	8.552	164	997	1.104	ug/L	80
62) 1,3,5-Trimethylbenzene	11.089	105	13361	2.952	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	40773	9.004	ug/L	100
71) Naphthalene	14.089	128	10921	1.882	ug/L	97

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

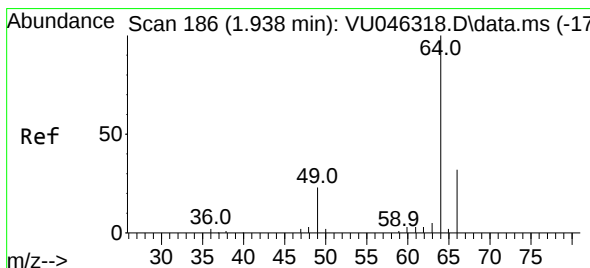
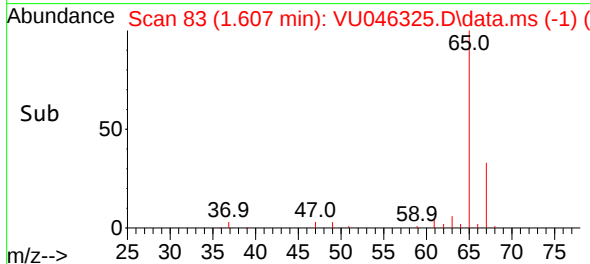
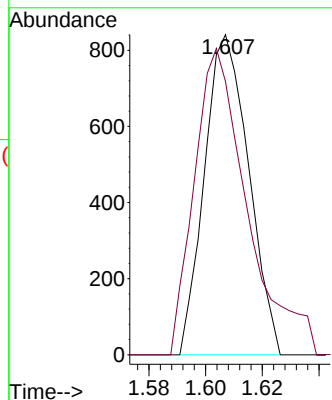


#5
 Vinyl chloride
 Concen: 0.639 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046325.D
 Acq: 13 Dec 2021 18:58

Instrument :
 MSVOA_W
 ClientSampleId :

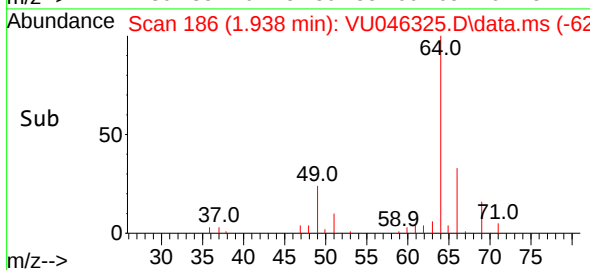
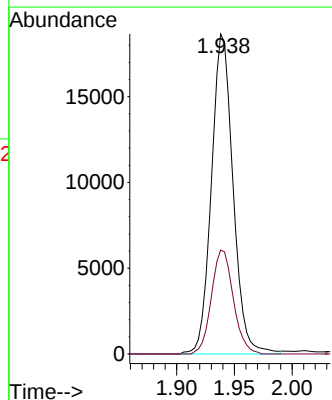
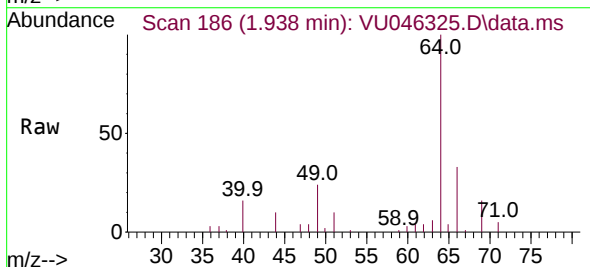


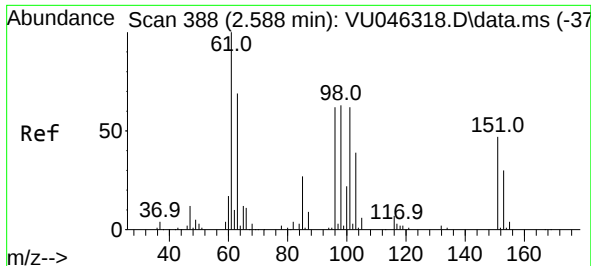
Tgt Ion: 62 Resp: 909
 Ion Ratio Lower Upper
 62 100
 64 85.4 22.9 42.5#



#8
 Chloroethane
 Concen: 29.529 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046325.D
 Acq: 13 Dec 2021 18:58

Tgt Ion: 64 Resp: 24317
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.5 41.9

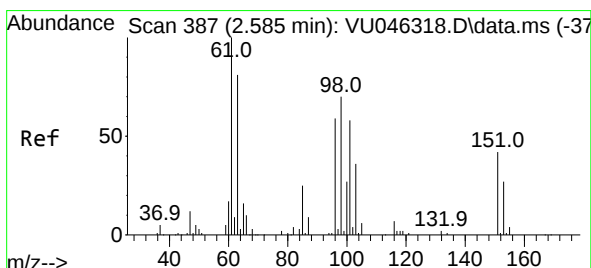
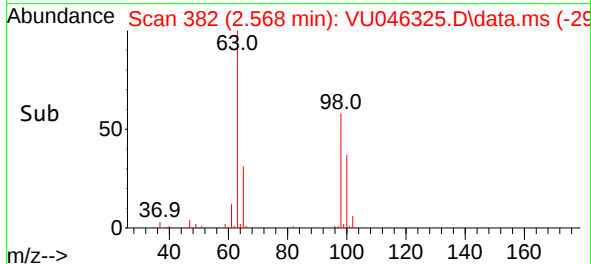
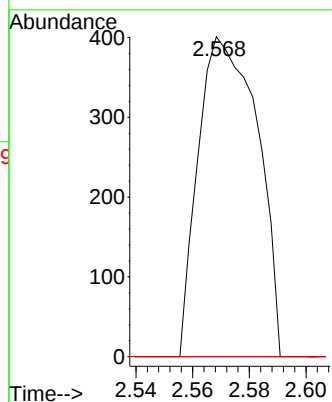
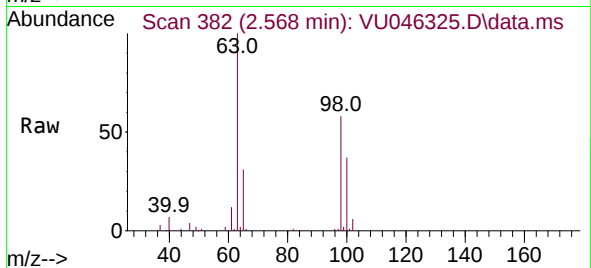




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.549 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

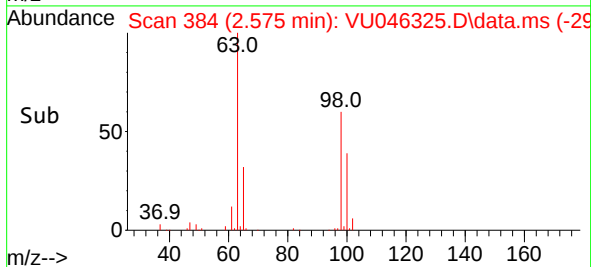
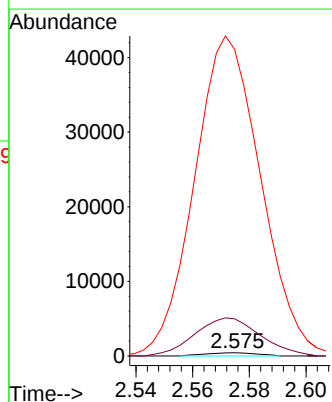
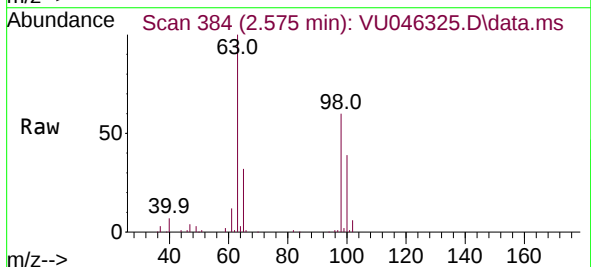
Instrument :
MSVOA_W
ClientSampleId :

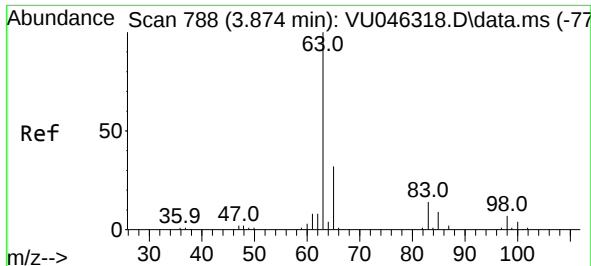
Tgt Ion:101 Resp: 579
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.539 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

Tgt Ion: 96 Resp: 540
Ion Ratio Lower Upper
96 100
61 1159.9 118.6 220.2#
63 9581.4 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 22.418 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU046325.D

Acq: 13 Dec 2021 18:58

Instrument :

MSVOA_W

ClientSampleId :

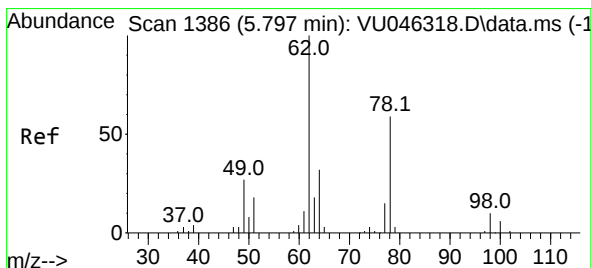
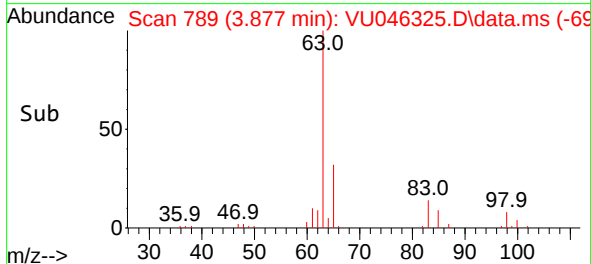
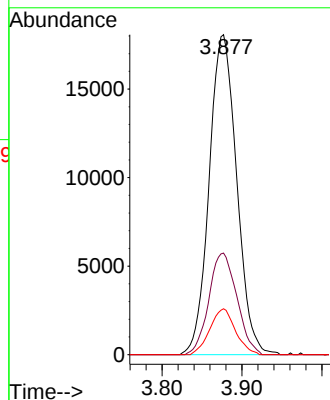
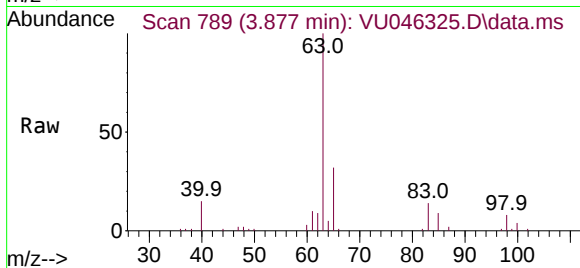
Tgt Ion: 63 Resp: 43232

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

83 14.3 9.6 17.8



#27

1,2-Dichloroethane

Concen: 0.552 ug/L

RT: 5.726 min Scan# 1364

Delta R.T. -0.071 min

Lab File: VU046325.D

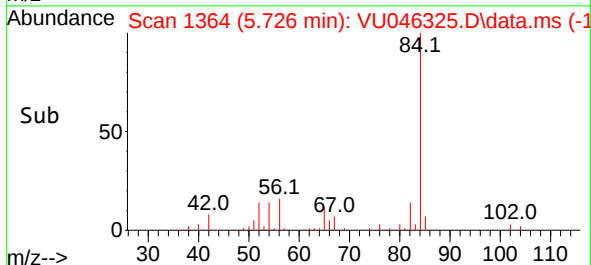
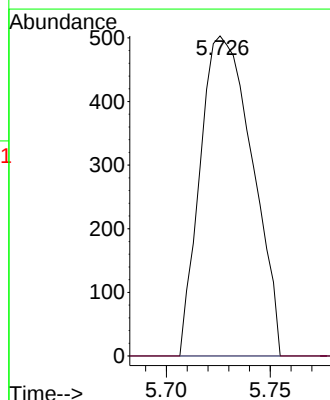
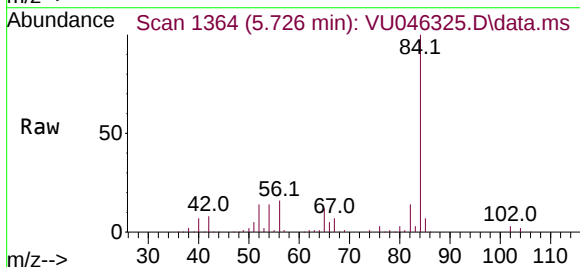
Acq: 13 Dec 2021 18:58

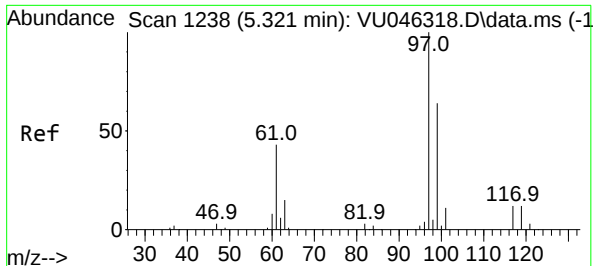
Tgt Ion: 62 Resp: 878

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#





#30

1,1,1-Trichloroethane

Concen: 8.213 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046325.D

Acq: 13 Dec 2021 18:58

Instrument :

MSVOA_W

ClientSampleId :

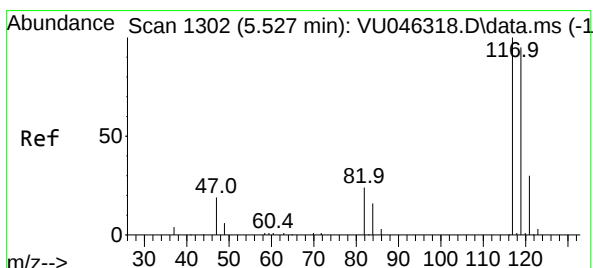
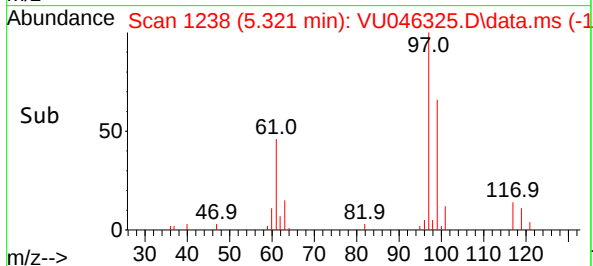
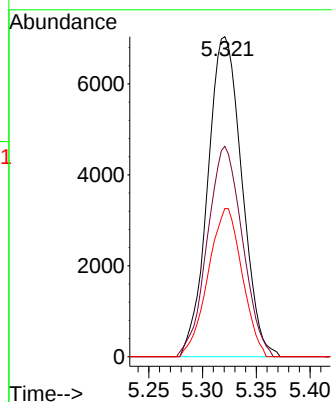
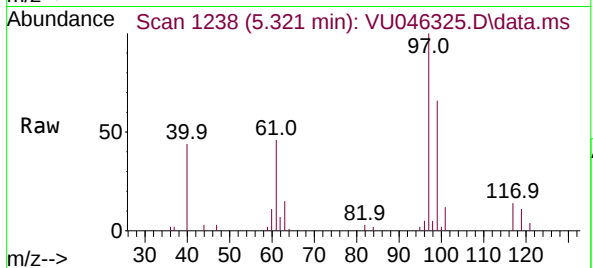
Tgt Ion: 97 Resp: 15543

Ion Ratio Lower Upper

97 100

99 67.6 51.8 77.6

61 46.1 34.4 51.6



#31

Carbon tetrachloride

Concen: 1.200 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU046325.D

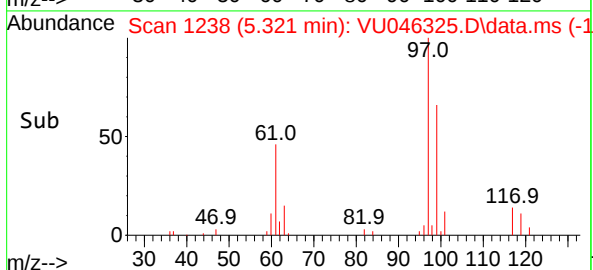
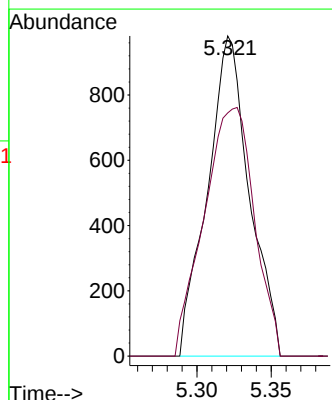
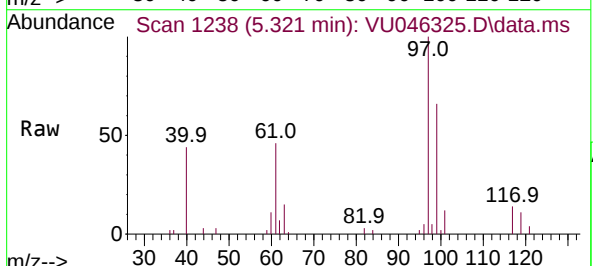
Acq: 13 Dec 2021 18:58

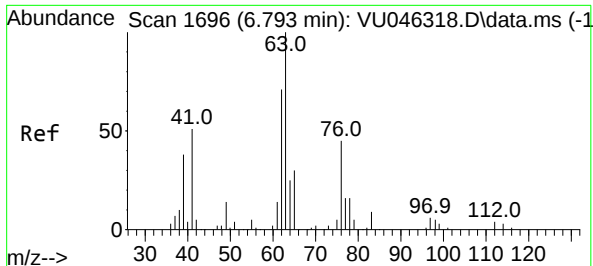
Tgt Ion: 117 Resp: 1928

Ion Ratio Lower Upper

117 100

119 93.1 75.7 113.5





#37

1,2-Dichloropropane

Concen: 5.604 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046325.D

Acq: 13 Dec 2021 18:58

Instrument :

MSVOA_W

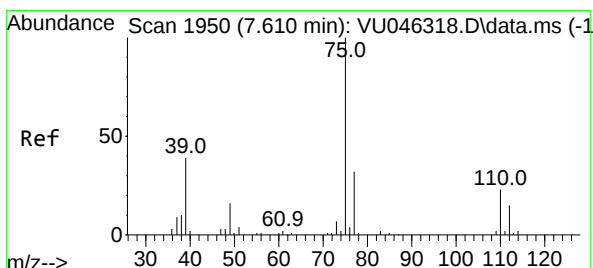
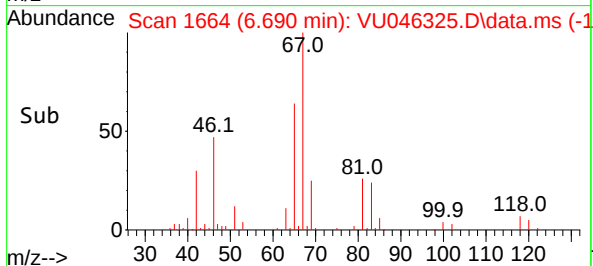
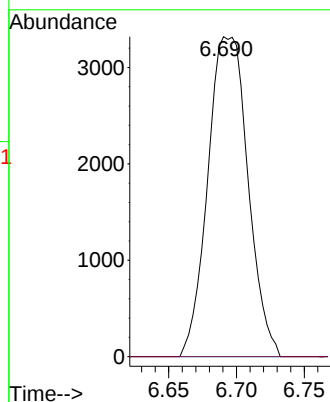
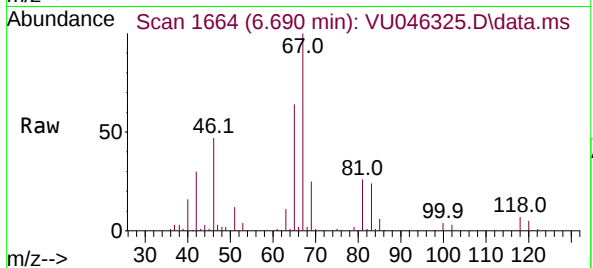
ClientSampleId :

Tgt Ion: 63 Resp: 6850

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.895 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046325.D

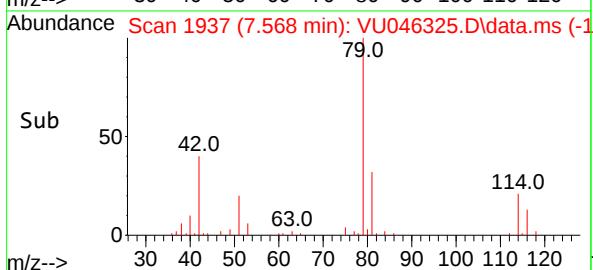
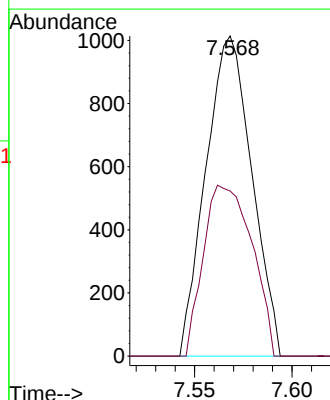
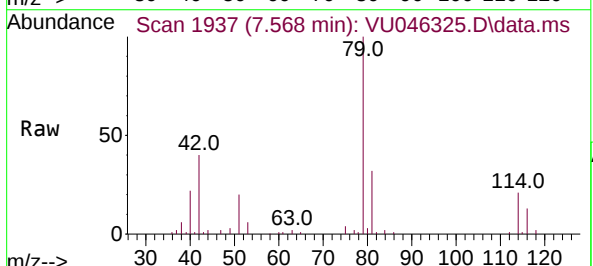
Acq: 13 Dec 2021 18:58

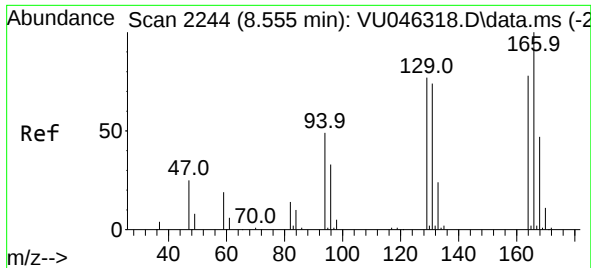
Tgt Ion: 75 Resp: 1664

Ion Ratio Lower Upper

75 100

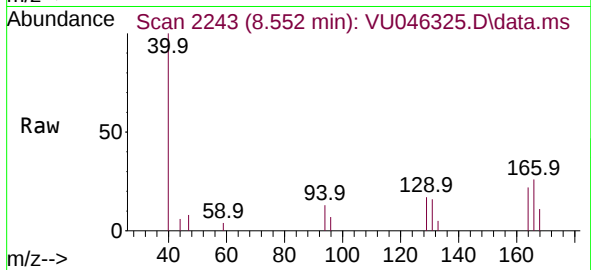
77 51.6 21.8 40.6#



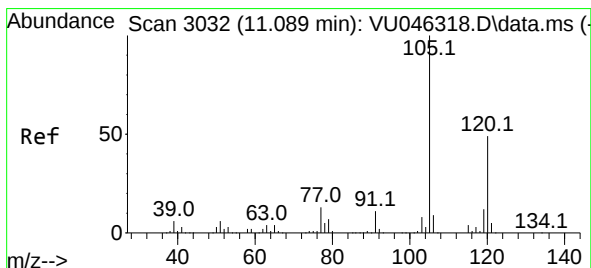
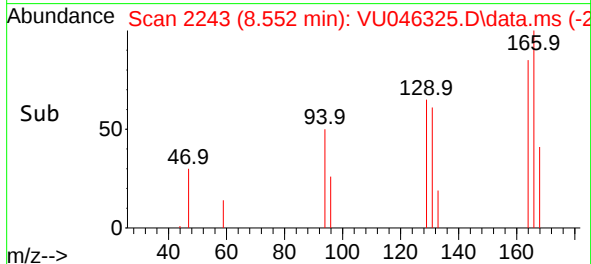
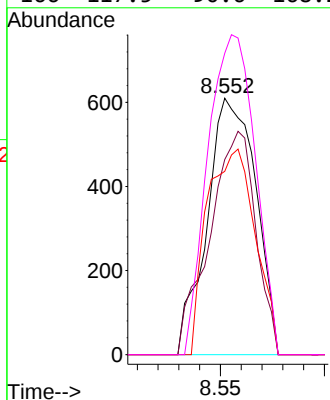


#46
Tetrachloroethene
Concen: 1.104 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

Instrument :
MSVOA_W
ClientSampleId :

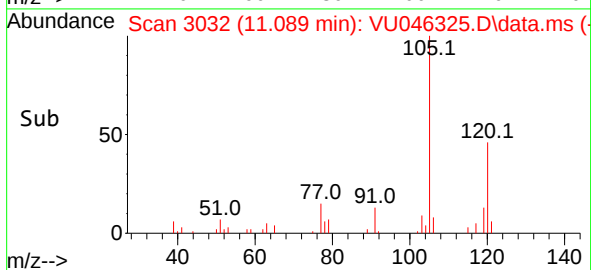
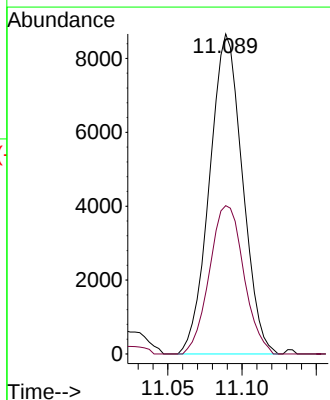
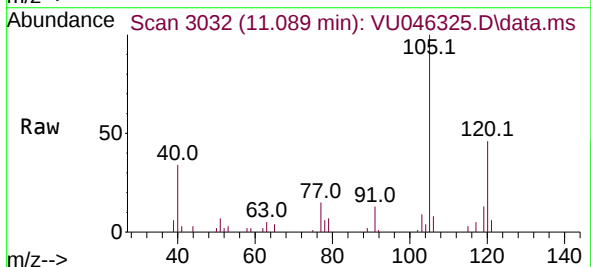


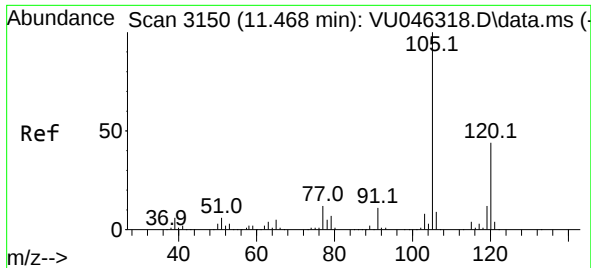
Tgt Ion:164 Resp: 997
Ion Ratio Lower Upper
164 100
129 76.1 71.1 132.1
131 71.5 67.8 126.0
166 117.5 90.6 168.2



#62
1,3,5-Trimethylbenzene
Concen: 2.952 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

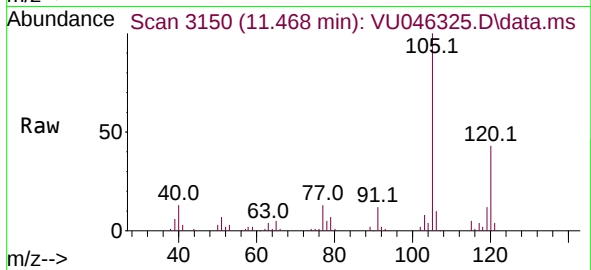
Tgt Ion:105 Resp: 13361
Ion Ratio Lower Upper
105 100
120 48.3 37.8 56.6



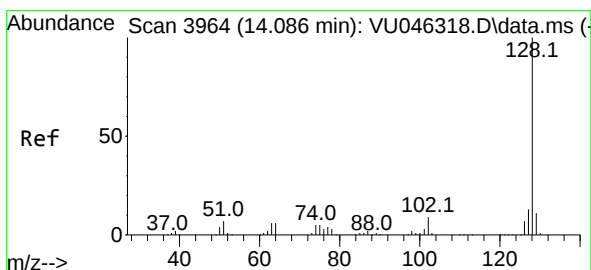
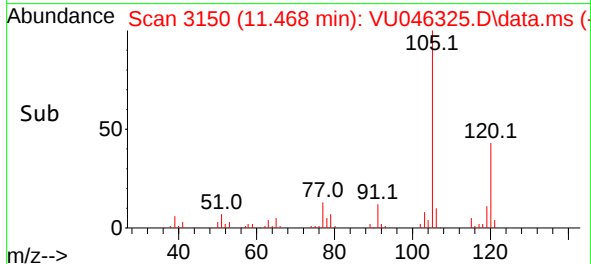
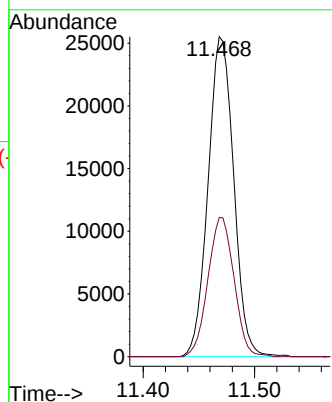


#63
1,2,4-Trimethylbenzene
Concen: 9.004 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:105 Resp: 40773
Ion Ratio Lower Upper
105 100
120 44.3 35.2 52.8



#71
Naphthalene
Concen: 1.882 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

Tgt Ion:128 Resp: 10921
Ion Ratio Lower Upper
128 100
127 11.0 10.1 15.1
129 9.8 8.6 13.0

