

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046326.D
 Acq On : 13 Dec 2021 19:20
 Operator : SY/MD
 Sample : M4983-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:53:50 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)

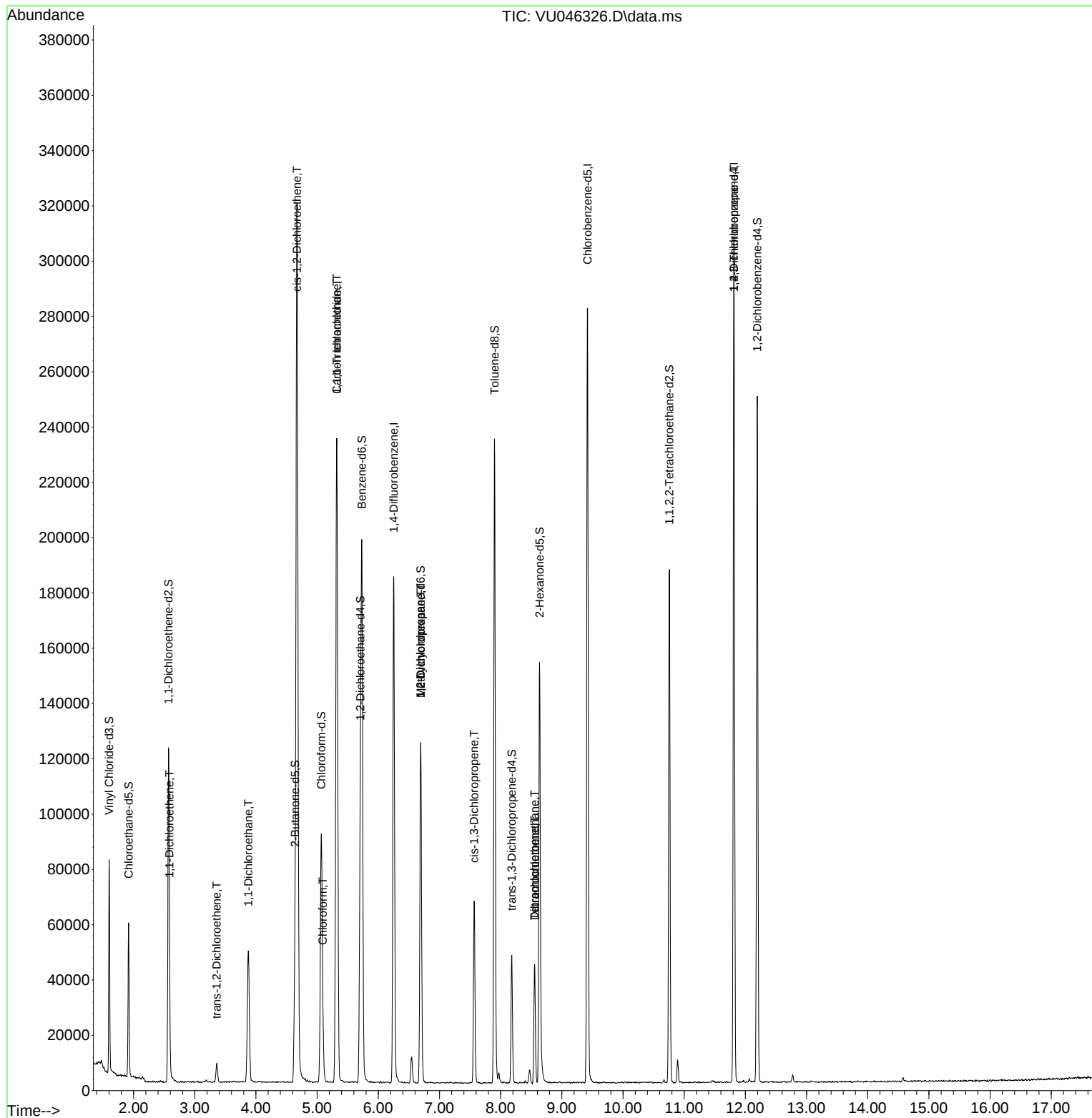
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	149290	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	157582	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77169	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	52747	42.892	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.780%		
7) Chloroethane-d5	1.919	69	39655	41.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.000%		
11) 1,1-Dichloroethene-d2	2.572	63	71195	32.249	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.500%		
21) 2-Butanone-d5	4.639	46	83356	85.265	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.260%		
24) Chloroform-d	5.070	84	81405	39.639	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.280%		
26) 1,2-Dichloroethane-d4	5.707	65	62925	45.656	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.320%		
32) Benzene-d6	5.732	84	183195	40.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.120%		
36) 1,2-Dichloropropane-d6	6.694	67	58008	41.441	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.880%		
41) Toluene-d8	7.899	98	153288	37.275	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.560%#		
43) trans-1,3-Dichloroprop...	8.182	79	26673	39.474	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.940%		
47) 2-Hexanone-d5	8.636	63	55153	83.102	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.100%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92060	43.367	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.740%		
66) 1,2-Dichlorobenzene-d4	12.195	152	62029	41.738	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.480%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.588	96	6017	5.829	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	3061	2.802	ug/L	92
19) 1,1-Dichloroethane	3.877	63	55483	27.934	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	160132	135.096	ug/L	99
25) Chloroform	5.092	83	12974	5.879	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	169150	87.446	ug/L	98
31) Carbon tetrachloride	5.321	117	21176	12.895	ug/L	99
35) Methylcyclohexane	6.694	83	13802	7.084	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6475	5.183	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1642	0.864	ug/L #	31
46) Tetrachloroethene	8.555	164	9724	10.531	ug/L	92
49) Dibromochloromethane	8.555	129	9427	7.162	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	10077	5.957	ug/L #	64

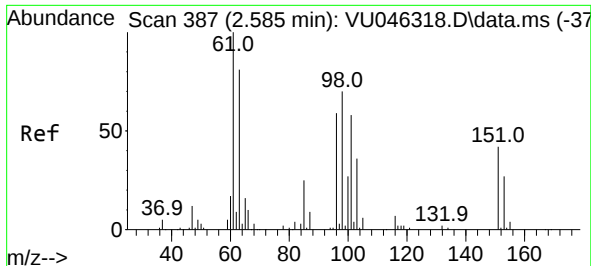
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.829 ug/L

RT: 2.588 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

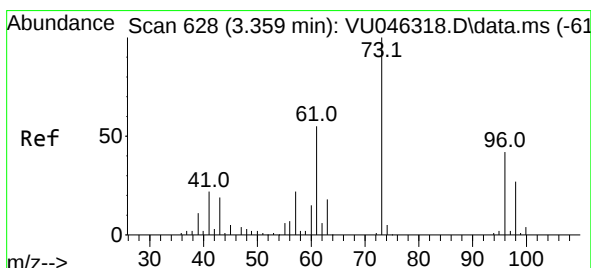
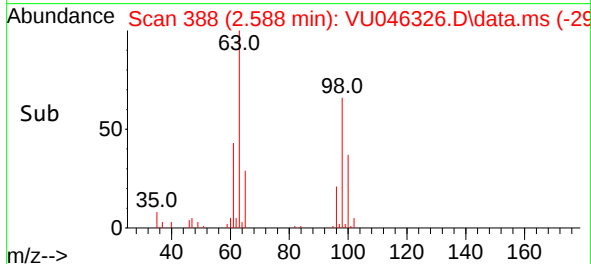
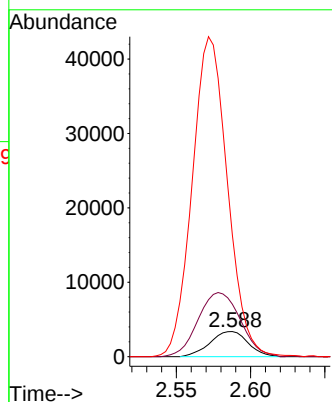
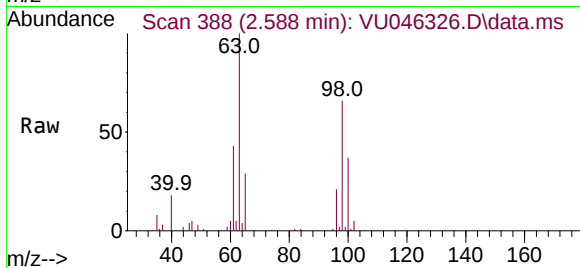
Tgt Ion: 96 Resp: 6017

Ion Ratio Lower Upper

96 100

61 208.7 118.6 220.2

63 484.5 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 2.802 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

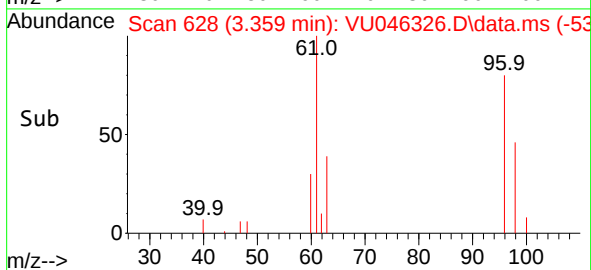
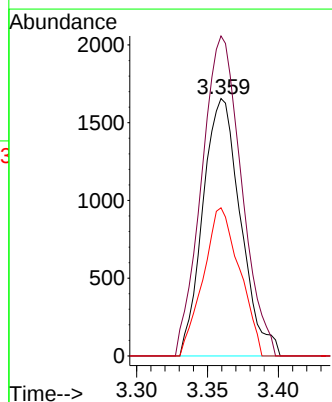
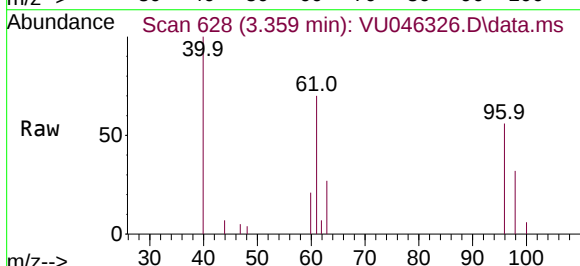
Tgt Ion: 96 Resp: 3061

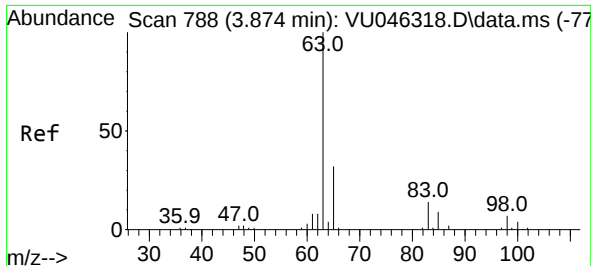
Ion Ratio Lower Upper

96 100

61 124.3 94.6 175.6

98 57.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 27.934 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

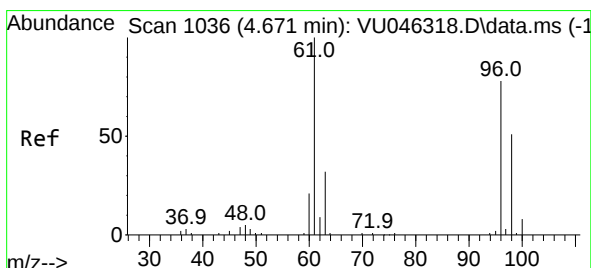
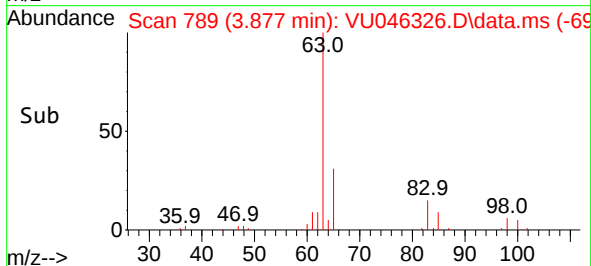
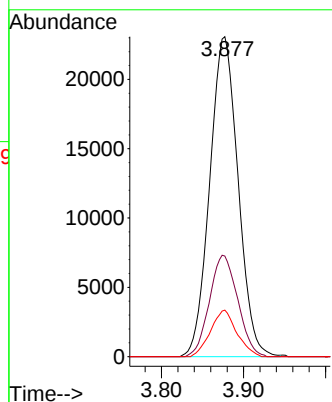
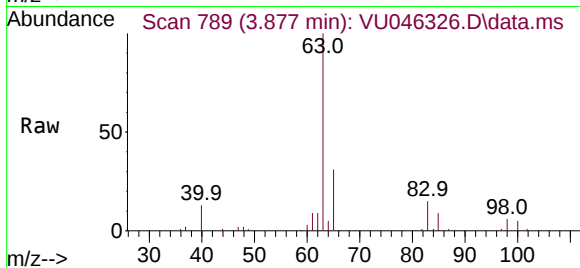
Tgt Ion: 63 Resp: 55483

Ion Ratio Lower Upper

63 100

65 31.5 22.8 42.4

83 14.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 135.096 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

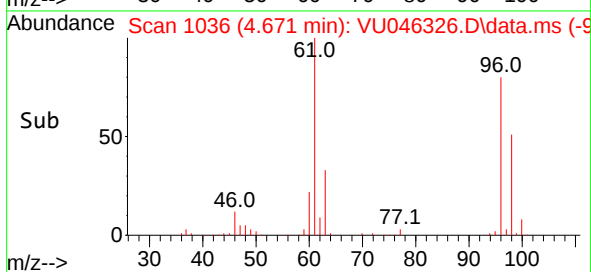
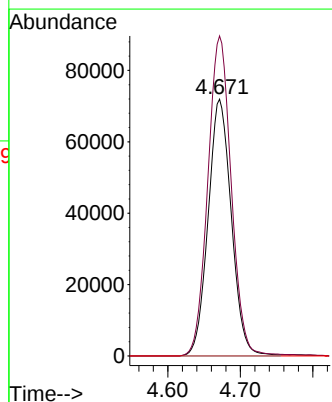
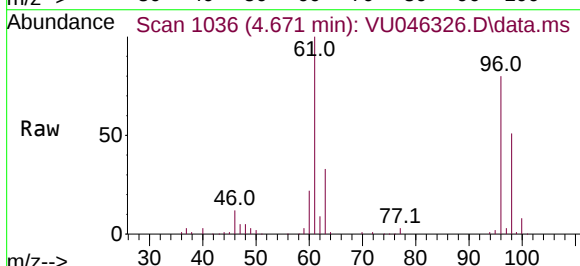
Tgt Ion: 96 Resp: 160132

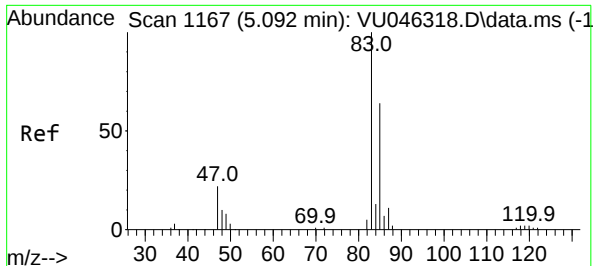
Ion Ratio Lower Upper

96 100

61 124.6 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.879 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

Instrument :

MSVOA_U

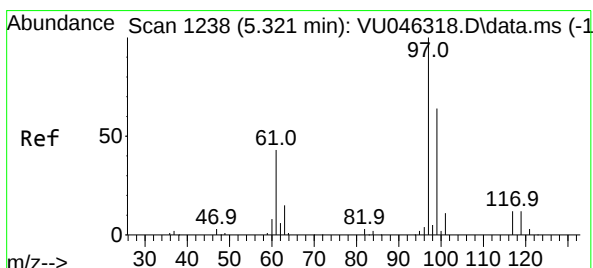
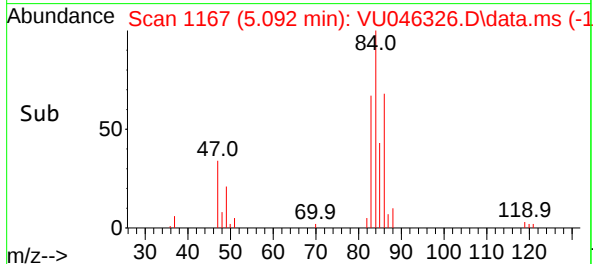
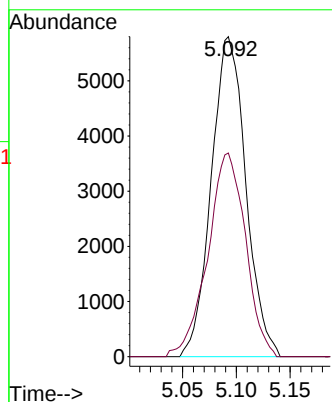
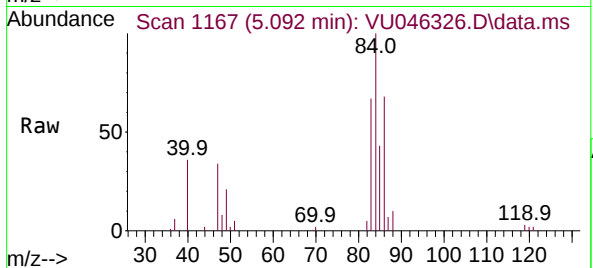
ClientSampleId :

Tgt Ion: 83 Resp: 12974

Ion Ratio Lower Upper

83 100

85 63.6 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 87.446 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

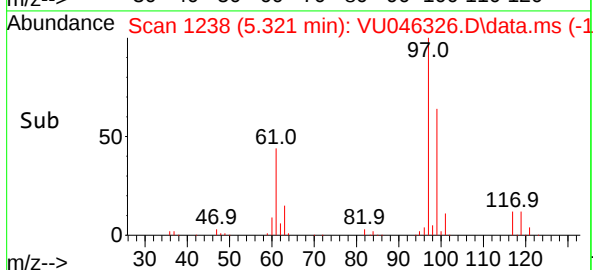
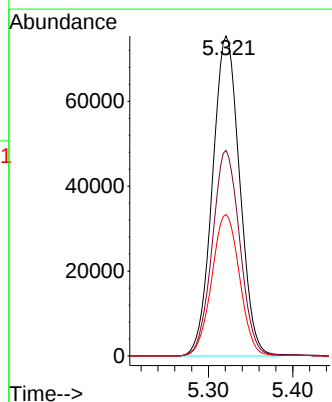
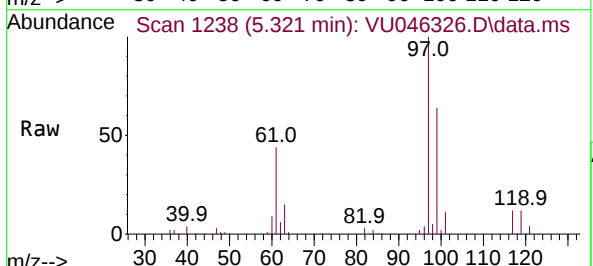
Tgt Ion: 97 Resp: 169150

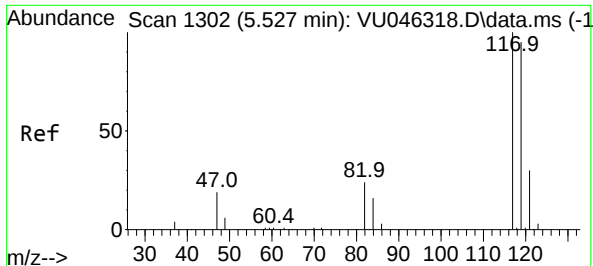
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 45.3 34.4 51.6

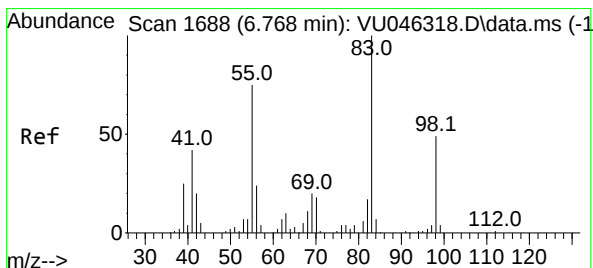
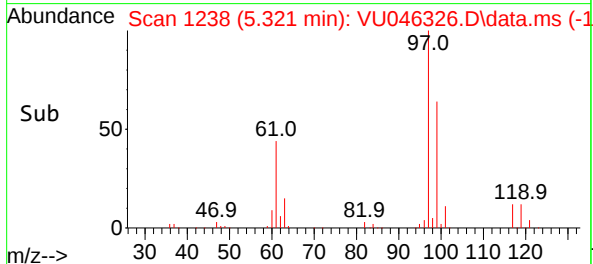
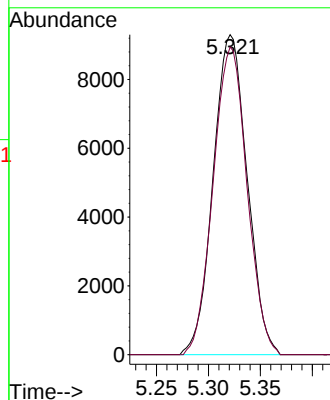
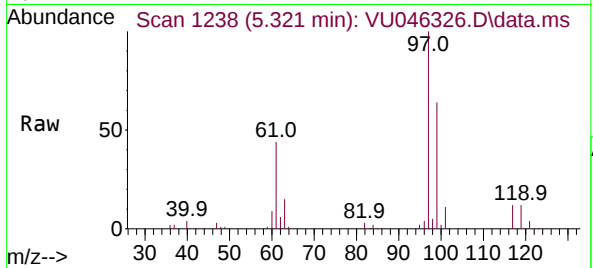




#31
Carbon tetrachloride
Concen: 12.895 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU046326.D
Acq: 13 Dec 2021 19:20

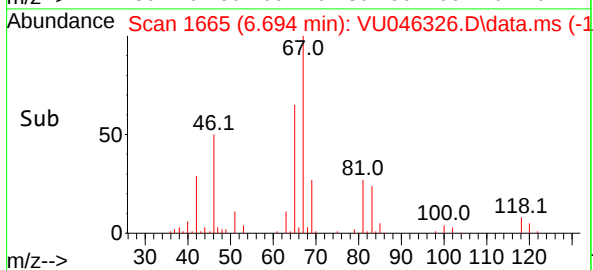
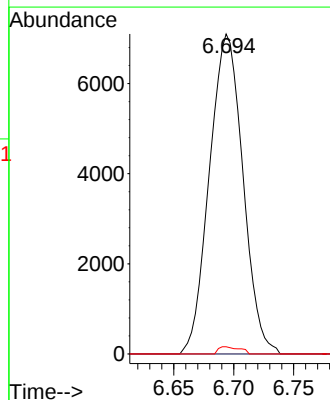
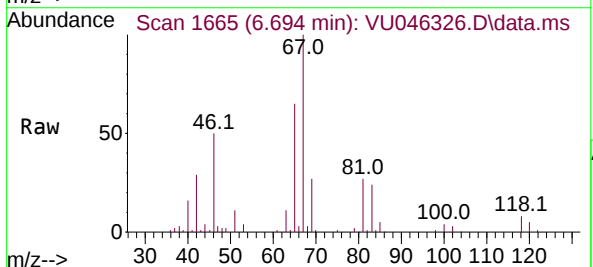
Instrument :
MSVOA_U
ClientSampleId :

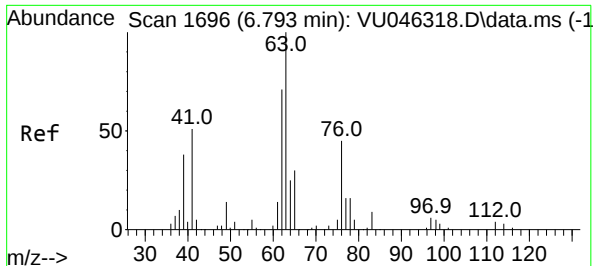
Tgt Ion:117 Resp: 21176
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#35
Methylcyclohexane
Concen: 7.084 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046326.D
Acq: 13 Dec 2021 19:20

Tgt Ion: 83 Resp: 13802
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.1 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.183 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046326.D

Acq: 13 Dec 2021 19:20

Instrument :

MSVOA_U

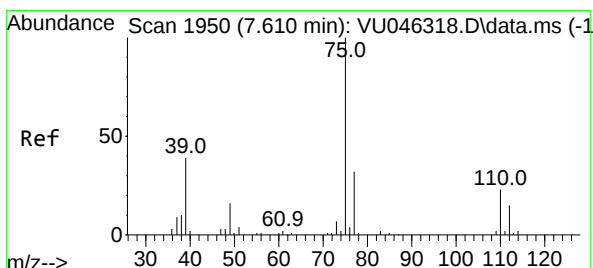
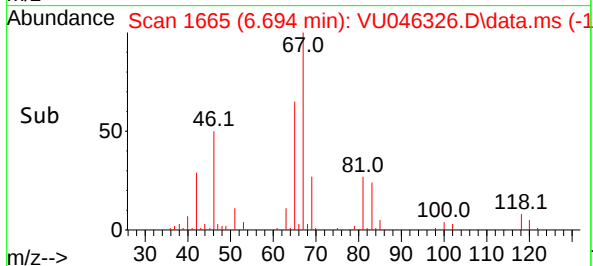
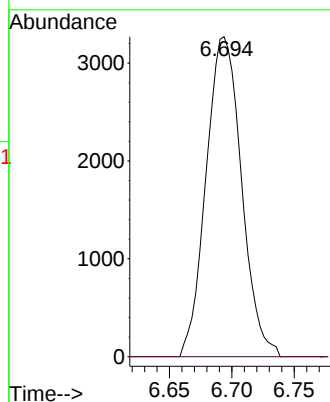
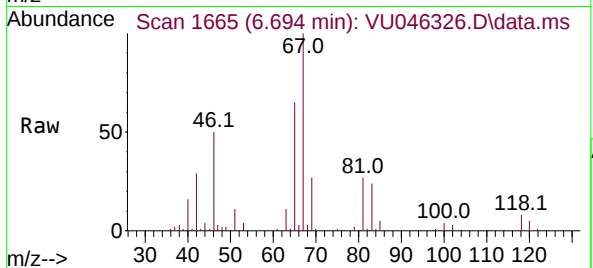
ClientSampleId :

Tgt Ion: 63 Resp: 6475

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.864 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046326.D

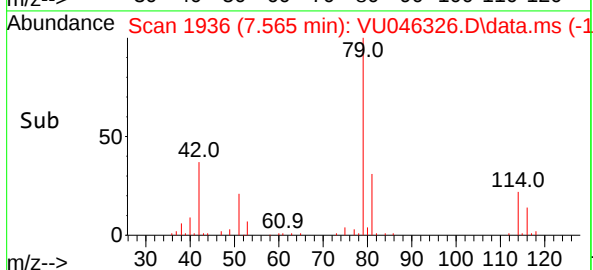
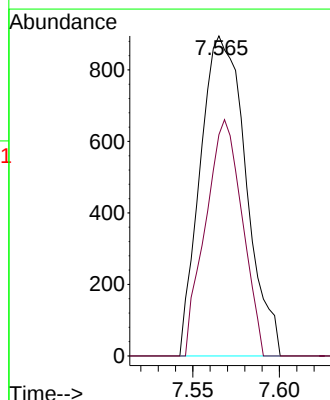
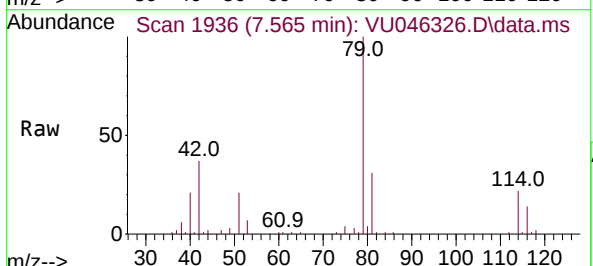
Acq: 13 Dec 2021 19:20

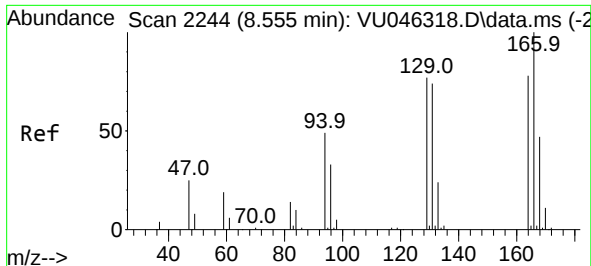
Tgt Ion: 75 Resp: 1642

Ion Ratio Lower Upper

75 100

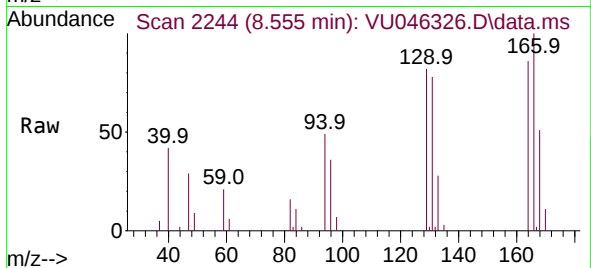
77 69.2 21.8 40.6#



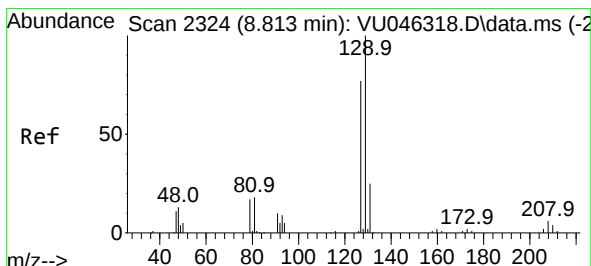
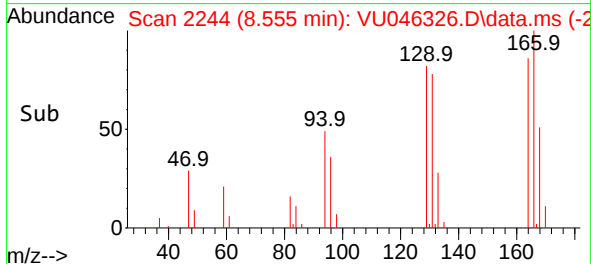
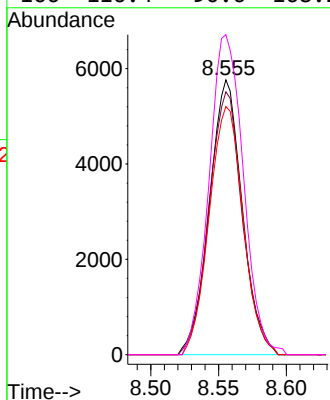


#46
Tetrachloroethene
Concen: 10.531 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046326.D
Acq: 13 Dec 2021 19:20

Instrument :
MSVOA_U
ClientSampleId :

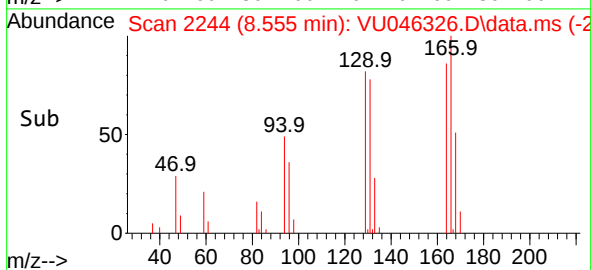
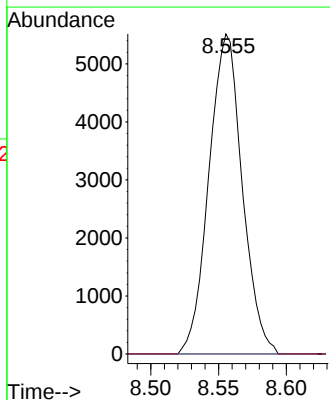
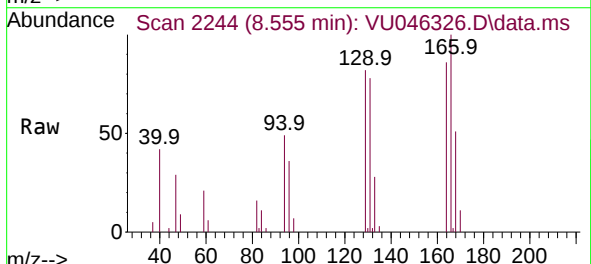


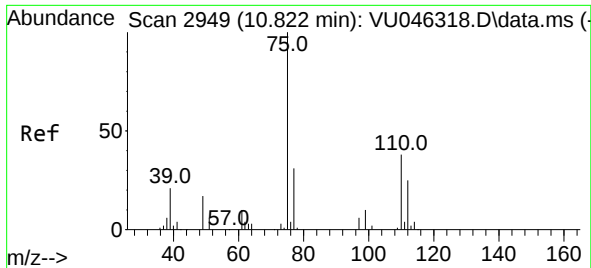
Tgt Ion:	164	Resp:	9724
Ion	Ratio	Lower	Upper
164	100		
129	95.7	71.1	132.1
131	90.3	67.8	126.0
166	116.4	90.6	168.2



#49
Dibromochloromethane
Concen: 7.162 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046326.D
Acq: 13 Dec 2021 19:20

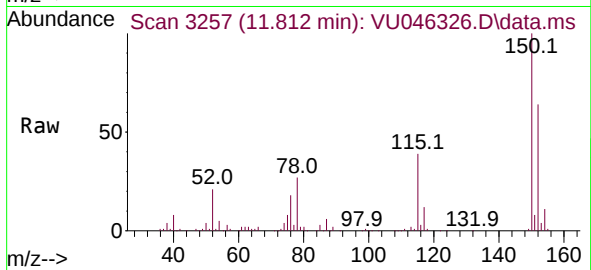
Tgt Ion:	129	Resp:	9427
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.957 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046326.D
 Acq: 13 Dec 2021 19:20

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10077
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.4 39.6
 110 2.1 32.4 48.6#

