

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046305.D
 Acq On : 13 Dec 2021 11:23
 Operator : SY/MD
 Sample : M4983-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P2

Quant Time: Dec 14 02:33:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

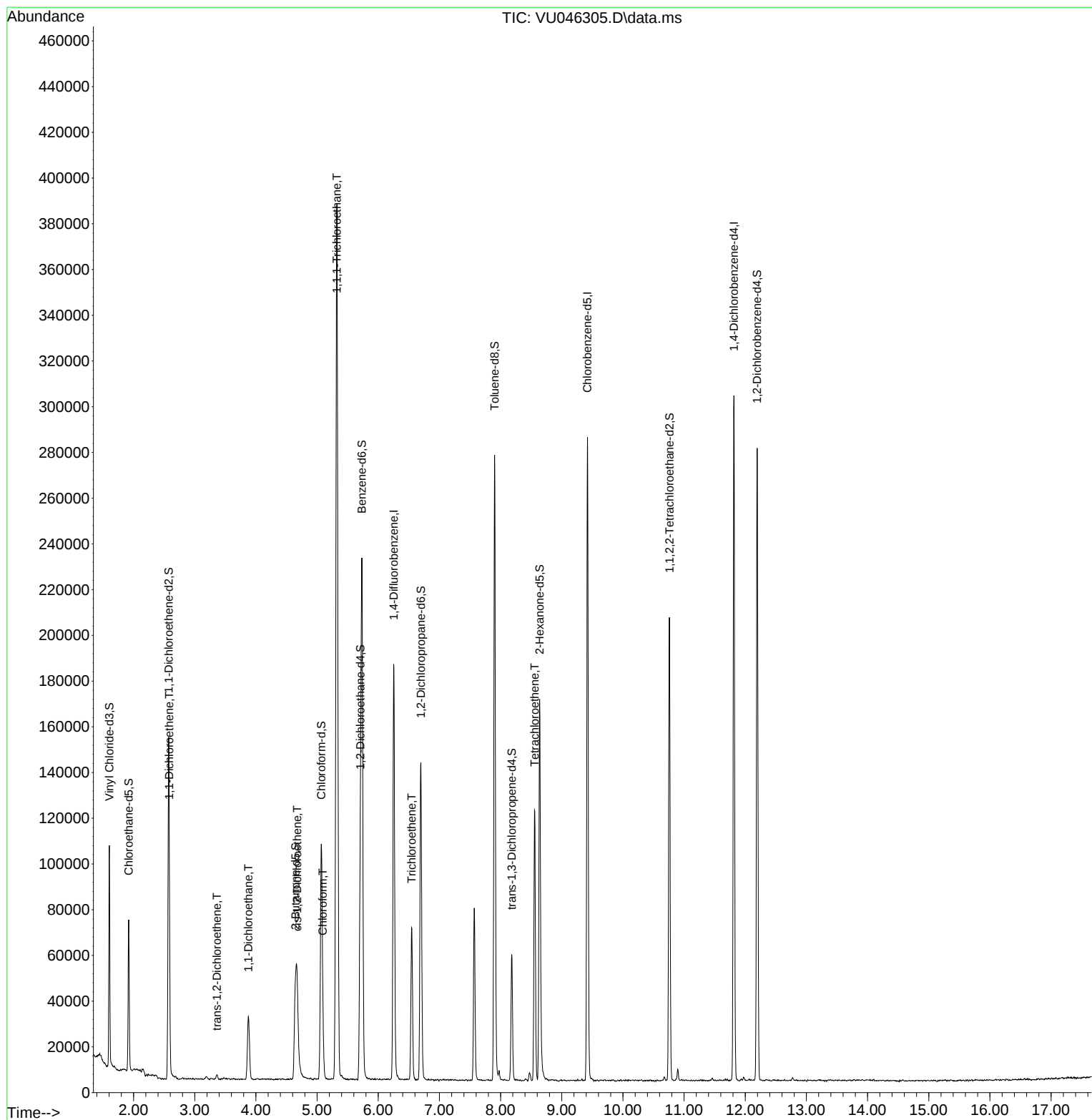
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	153918	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	76993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65766	54.306	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.620%			
7) Chloroethane-d5	1.919	69	48697	52.373	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.740%			
11) 1,1-Dichloroethene-d2	2.575	63	88705	40.802	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.600%			
21) 2-Butanone-d5	4.649	46	90902	94.423	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.420%			
24) Chloroform-d	5.070	84	95051	47.000	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.000%			
26) 1,2-Dichloroethane-d4	5.706	65	69403	51.136	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.280%			
32) Benzene-d6	5.732	84	213041	48.292	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.580%			
36) 1,2-Dichloropropane-d6	6.697	67	65794	48.122	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.240%			
41) Toluene-d8	7.902	98	183310	45.637	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.280%			
43) trans-1,3-Dichloroprop...	8.182	79	30458	46.148	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.300%			
47) 2-Hexanone-d5	8.639	63	62289	96.088	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.090%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	101033	48.727	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.460%			
66) 1,2-Dichlorobenzene-d4	12.195	152	70451	47.514	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.020%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.584	96	5687	5.595	ug/L	# 1
17) trans-1,2-Dichloroethene	3.362	96	771	0.717	ug/L	87
19) 1,1-Dichloroethane	3.877	63	32568	16.651	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	11220	9.612	ug/L	99
25) Chloroform	5.092	83	12029	5.535	ug/L	92
30) 1,1,1-Trichloroethane	5.324	97	277674	146.968	ug/L	98
34) Trichloroethene	6.546	95	23232	18.930	ug/L	92
46) Tetrachloroethene	8.558	164	26266	29.124	ug/L	95

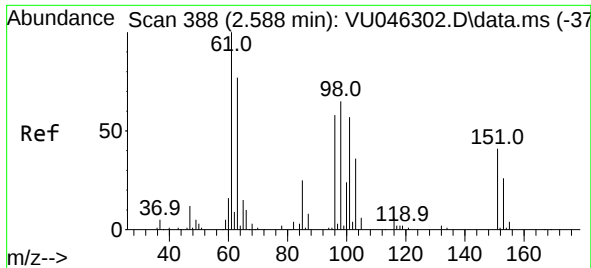
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Dec 13 13:51:57 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.595 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_U

ClientSampleId :

EW5P2

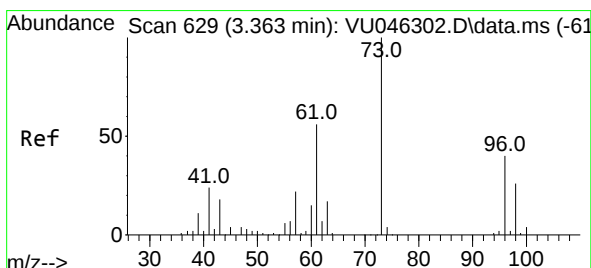
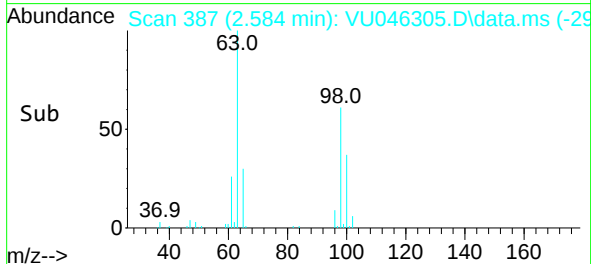
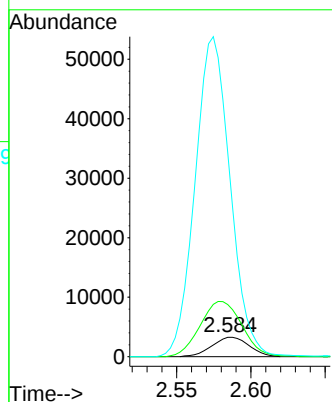
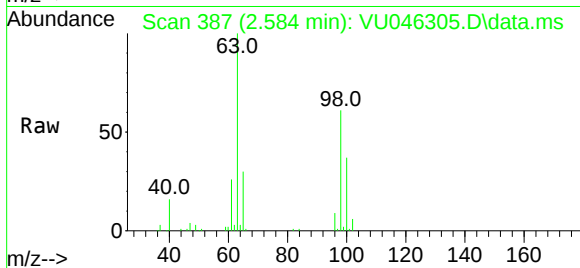
Tgt Ion: 96 Resp: 5687

Ion Ratio Lower Upper

96 100

61 269.0 118.6 220.2#

63 1052.7 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 0.717 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

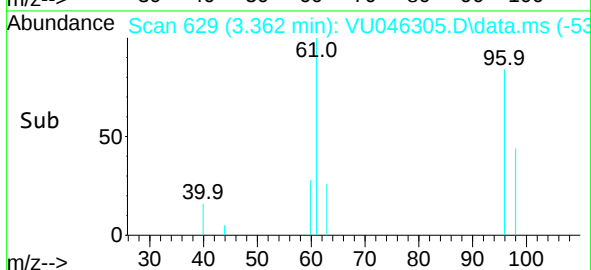
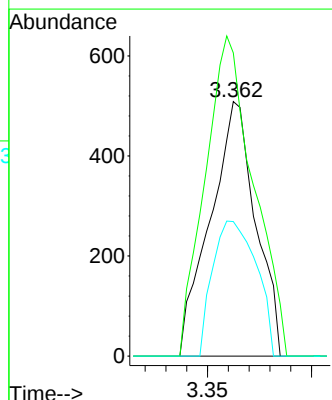
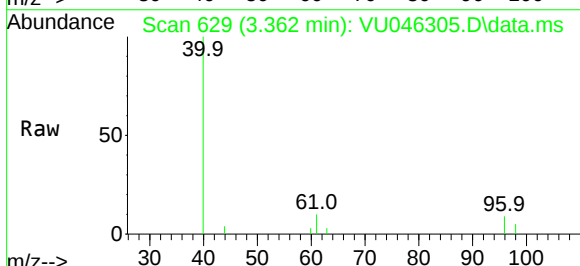
Tgt Ion: 96 Resp: 771

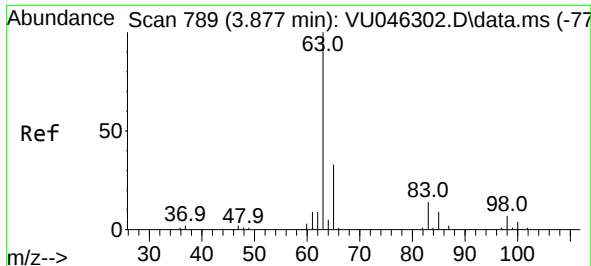
Ion Ratio Lower Upper

96 100

61 119.1 94.6 175.6

98 52.8 44.0 81.8





#19

1,1-Dichloroethane

Concen: 16.651 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_U

ClientSampleId :

EW5P2

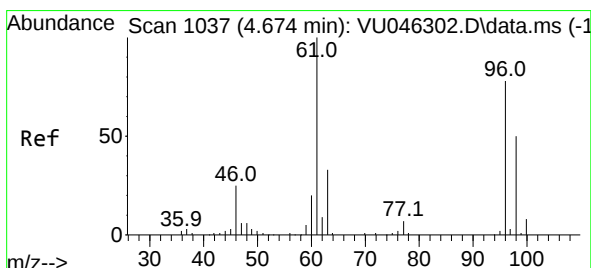
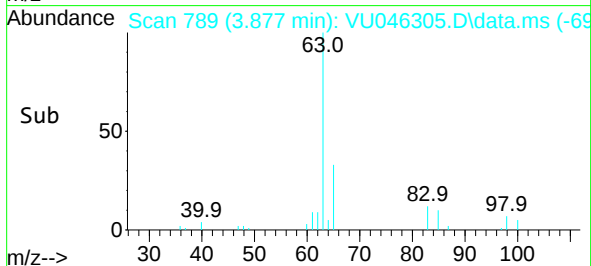
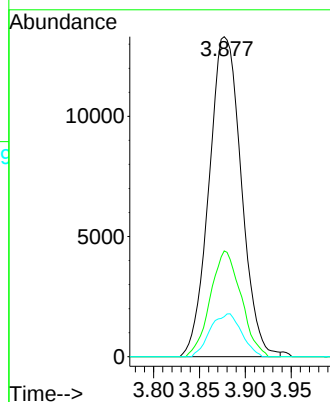
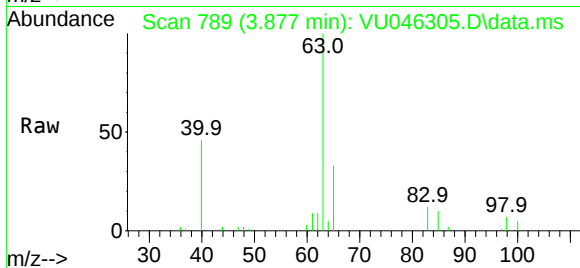
Tgt Ion: 63 Resp: 32568

Ion Ratio Lower Upper

63 100

65 33.1 22.8 42.4

83 12.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 9.612 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

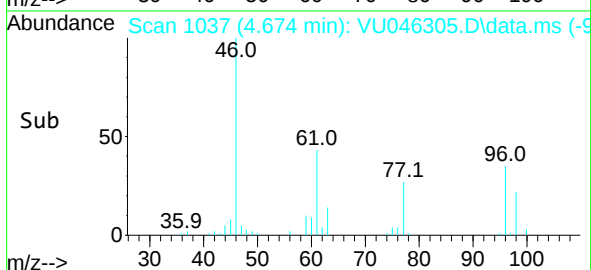
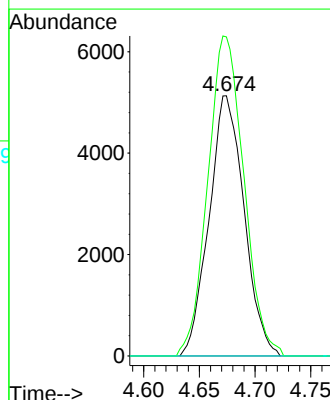
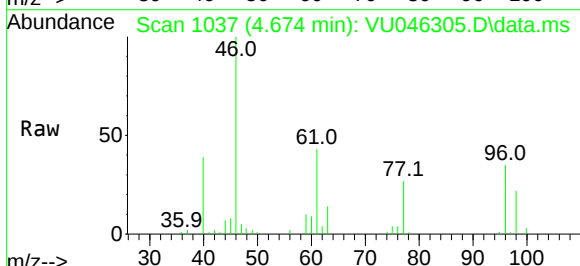
Tgt Ion: 96 Resp: 11220

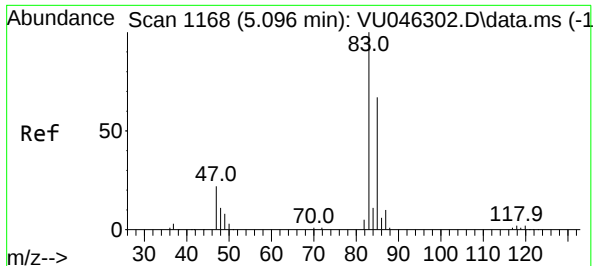
Ion Ratio Lower Upper

96 100

61 122.7 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.535 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_U

ClientSampleId :

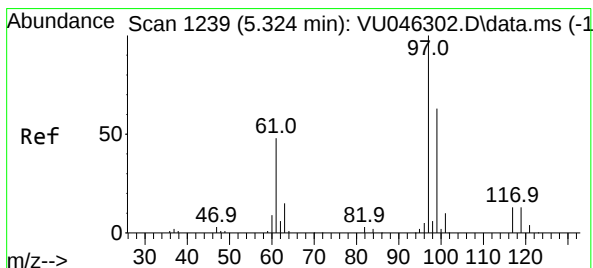
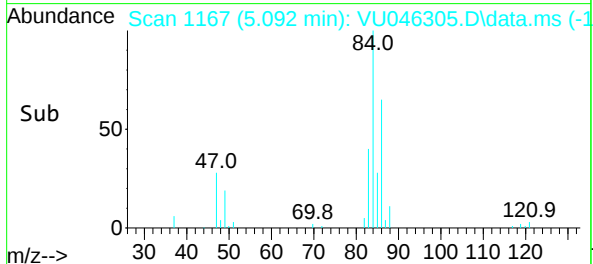
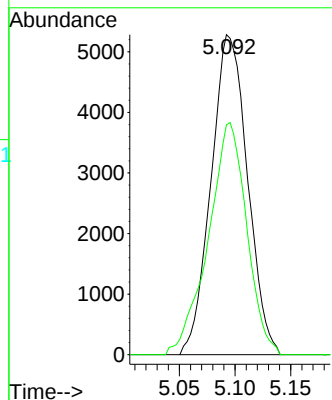
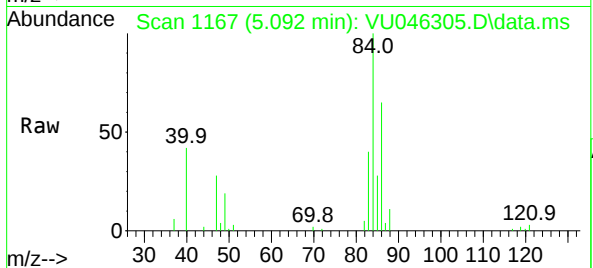
EW5P2

Tgt Ion: 83 Resp: 12029

Ion Ratio Lower Upper

83 100

85 71.9 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 146.968 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

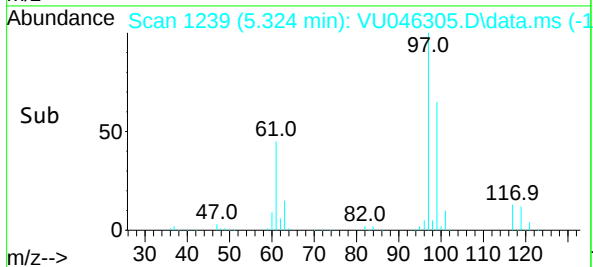
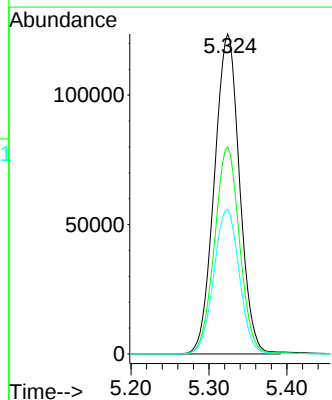
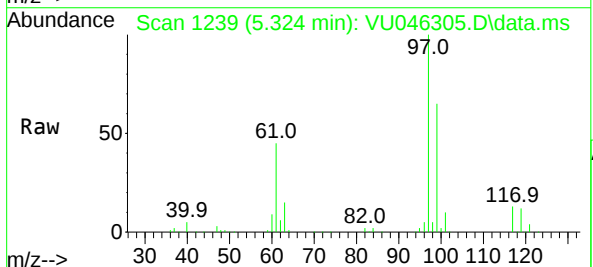
Tgt Ion: 97 Resp: 277674

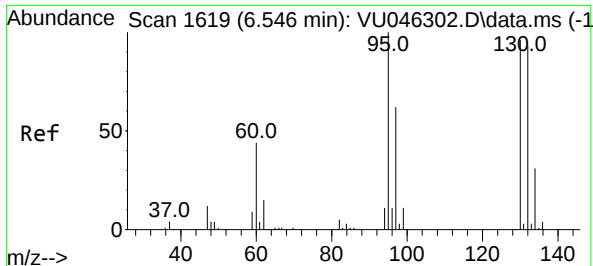
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 45.9 34.4 51.6



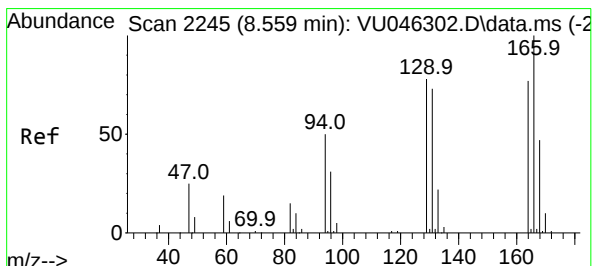
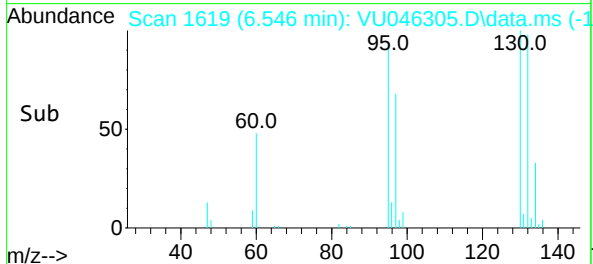
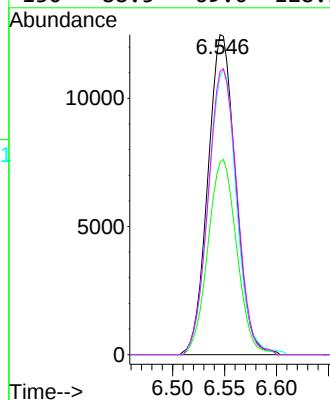
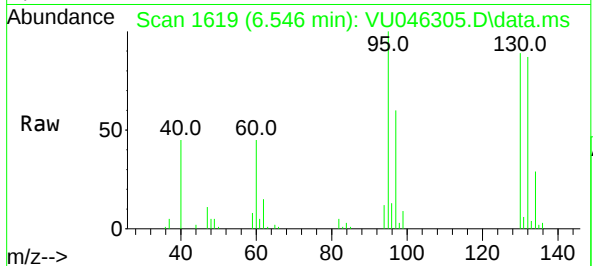


#34
Trichloroethene
Concen: 18.930 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Instrument :
MSVOA_U
ClientSampleId :
EW5P2

Tgt Ion: 95 Resp: 23232

Ion	Ratio	Lower	Upper
95	100		
97	60.2	44.1	81.9
132	87.1	66.8	124.0
130	88.5	69.0	128.1



#46
Tetrachloroethene
Concen: 29.124 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Tgt Ion: 164 Resp: 26266

Ion	Ratio	Lower	Upper
164	100		
129	95.4	71.1	132.1
131	93.0	67.8	126.0
166	122.4	90.6	168.2

