

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051178.D
 Acq On : 06 Oct 2022 17:44
 Operator : JC/MD
 Sample : N4893-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J53

Quant Time: Oct 07 01:33:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 01:29:24 2022
 Response via : Initial Calibration

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

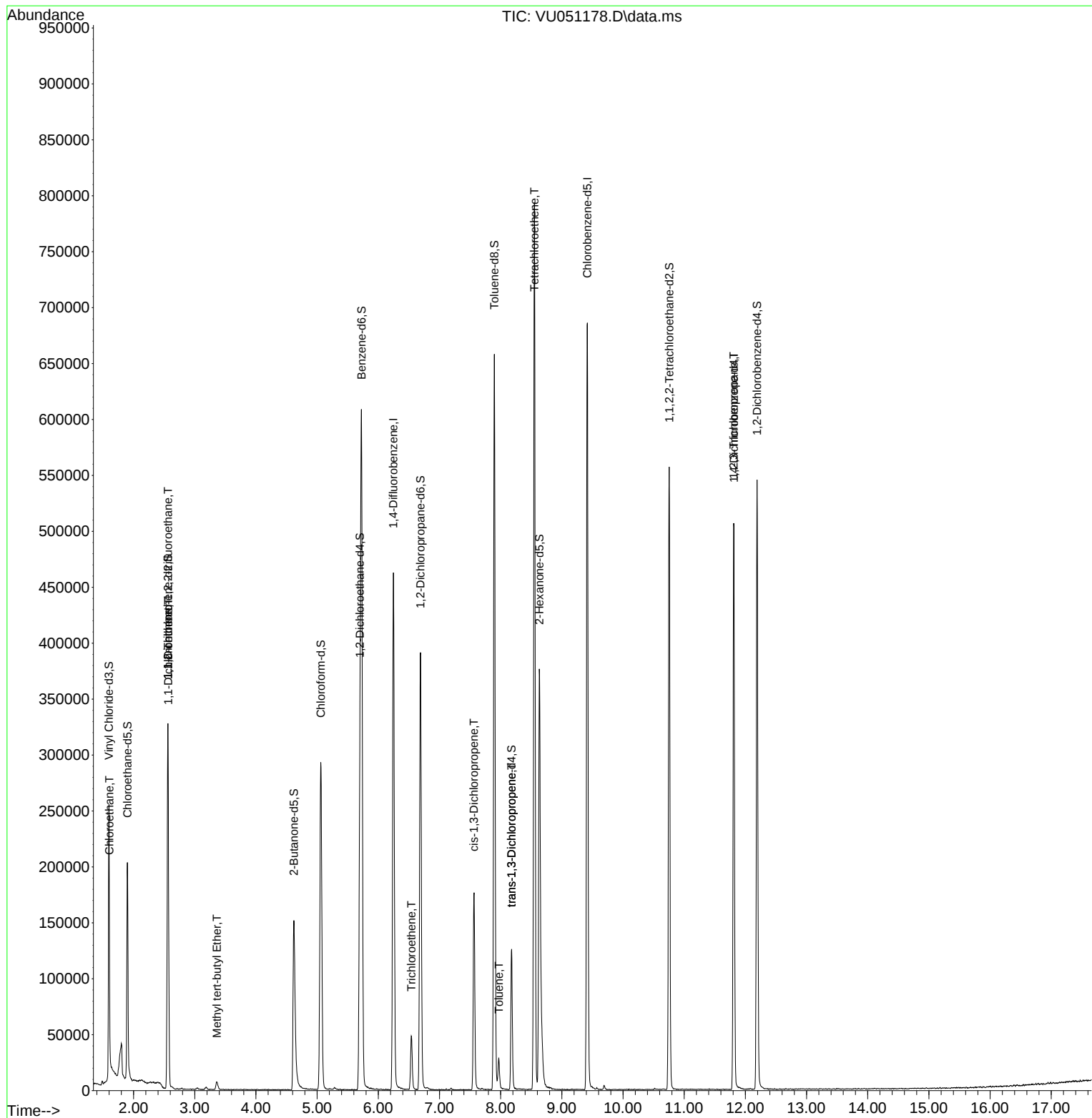
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	369332	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	382002	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	132469	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	170277	45.492	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.980%		
7) Chloroethane-d5	1.900	69	147801	42.509	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.020%		
11) 1,1-Dichloroethene-d2	2.562	63	194399	35.160	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.320%		
21) 2-Butanone-d5	4.620	46	210708	86.795	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.800%		
24) Chloroform-d	5.060	84	278211	46.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
26) 1,2-Dichloroethane-d4	5.700	65	184011	49.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.600%		
32) Benzene-d6	5.726	84	565810	50.580	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.160%		
36) 1,2-Dichloropropane-d6	6.690	67	191820	52.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.680%		
41) Toluene-d8	7.896	98	437336	42.314	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.620%		
43) trans-1,3-Dichloroprop...	8.176	79	70154	40.520	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.040%		
47) 2-Hexanone-d5	8.633	63	109574	74.759	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.760%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	282722	44.566	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.140%		
66) 1,2-Dichlorobenzene-d4	12.192	152	144412	51.031	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.060%		
Target Compounds						Qvalue
8) Chloroethane	1.604	64	17599	6.172	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2031	0.720	ug/L #	20
12) 1,1-Dichloroethene	2.565	96	1448	0.550	ug/L #	1
18) Methyl tert-butyl Ether	3.363	73	5963	0.700	ug/L #	84
34) Trichloroethene	6.539	95	16305	5.405	ug/L	96
39) cis-1,3-Dichloropropene	7.562	75	4405	0.992	ug/L #	45
42) Toluene	7.970	91	18291	1.477	ug/L	98
44) trans-1,3-Dichloropropene	8.176	75	2951	0.657	ug/L #	54
46) Tetrachloroethene	8.552	164	174222	76.214	ug/L	99
60) 1,2,3-Trichloropropane	11.809	75	16325	4.683	ug/L #	67

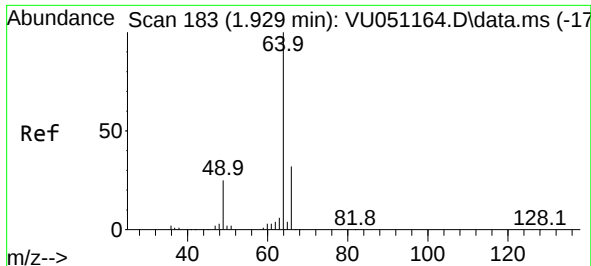
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 6.172 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.325 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

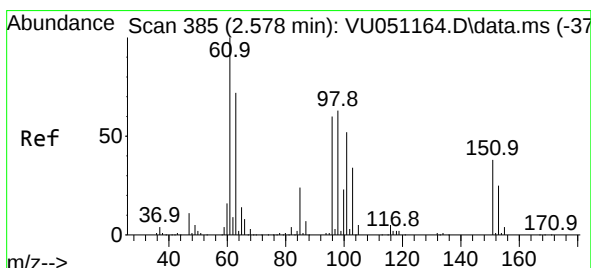
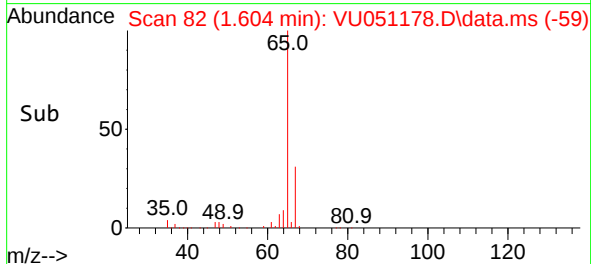
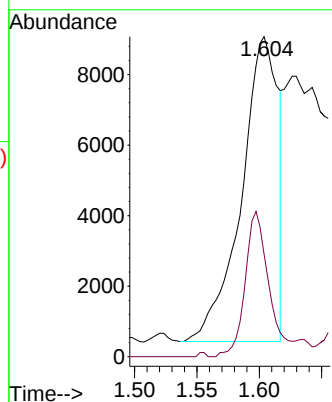
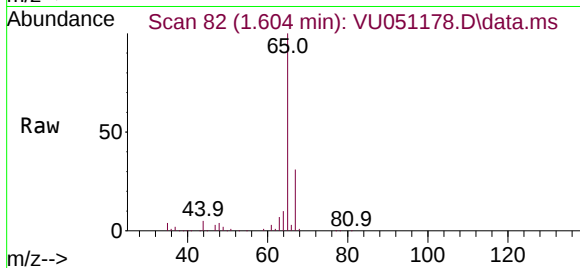
F5J53

Tgt Ion: 64 Resp: 17599

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.720 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

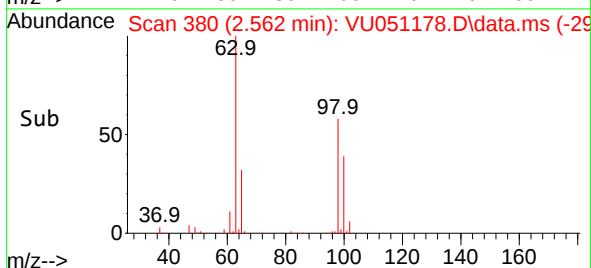
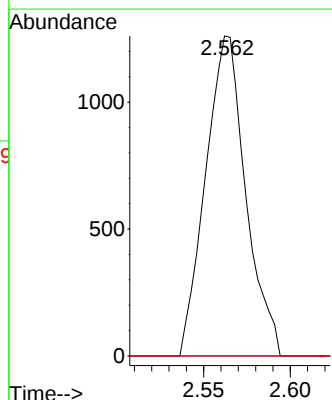
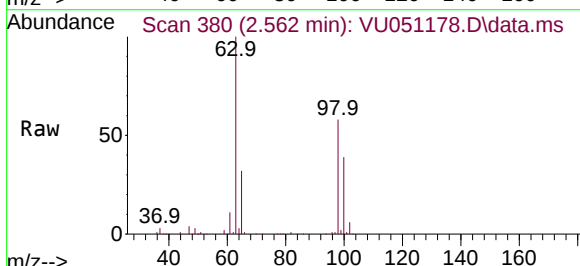
Tgt Ion:101 Resp: 2031

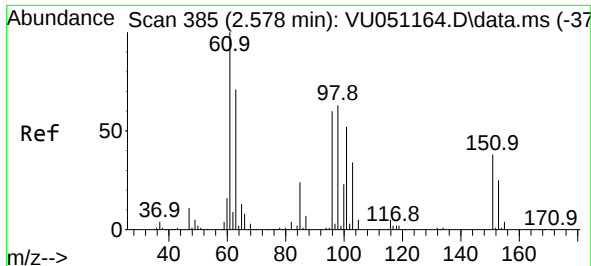
Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 58.6 87.8#





#12

1,1-Dichloroethene

Concen: 0.550 ug/L

RT: 2.565 min Scan# 3

Delta R.T. -0.013 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

F5J53

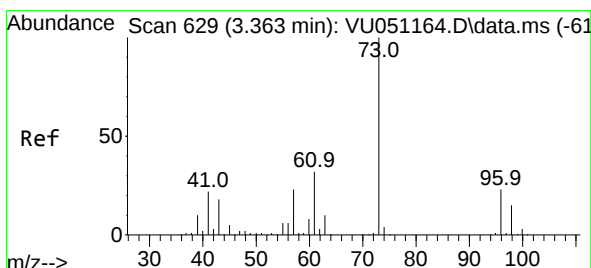
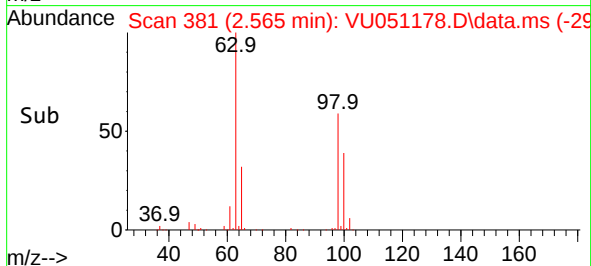
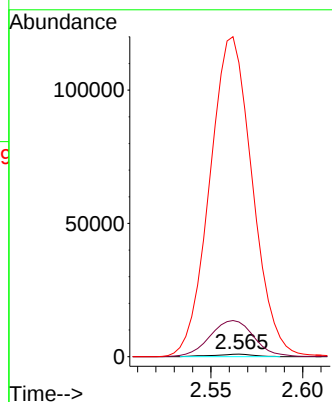
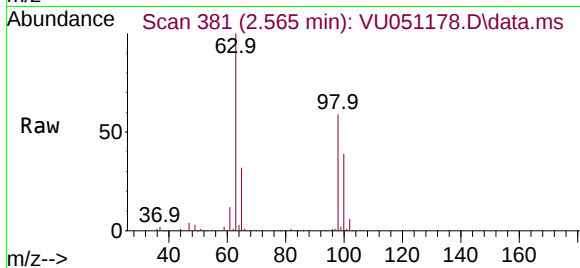
Tgt Ion: 96 Resp: 1448

Ion Ratio Lower Upper

96 100

61 1381.5 113.0 209.9#

63 11669.8 91.7 170.3#



#18

Methyl tert-butyl Ether

Concen: 0.700 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

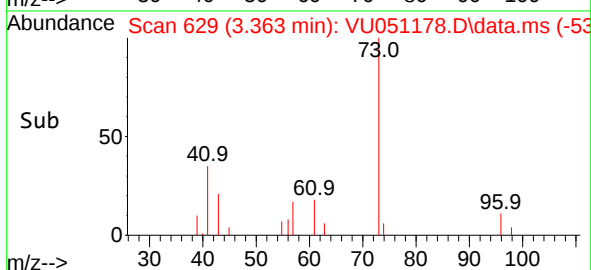
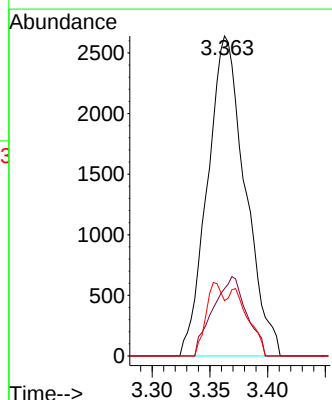
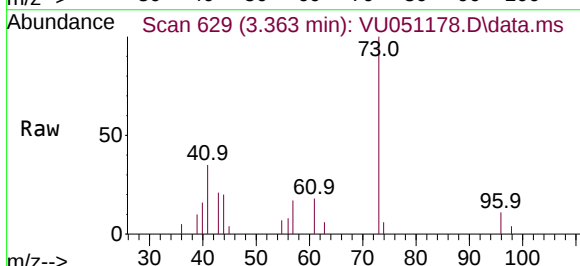
Tgt Ion: 73 Resp: 5963

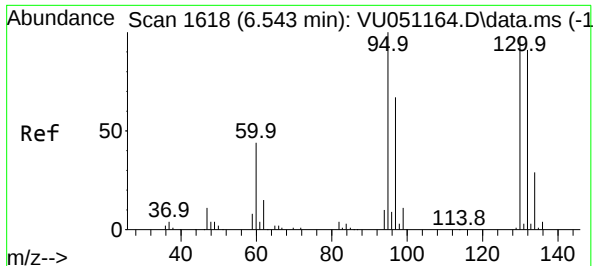
Ion Ratio Lower Upper

73 100

43 22.2 14.7 22.1#

57 11.6 17.5 26.3#





#34

Trichloroethene

Concen: 5.405 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

F5J53

Tgt Ion: 95 Resp: 16305

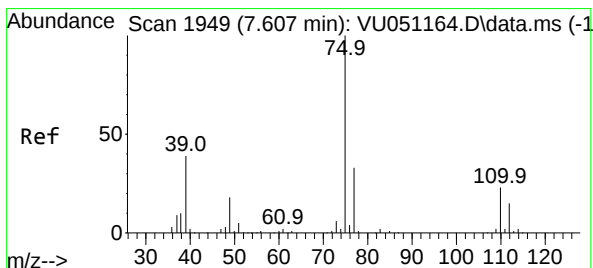
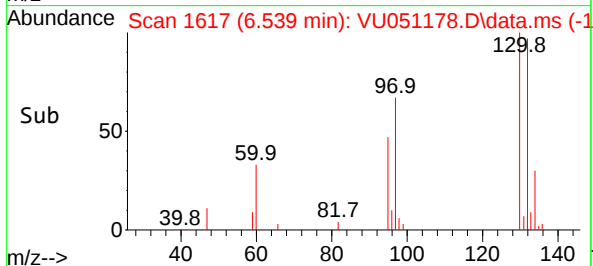
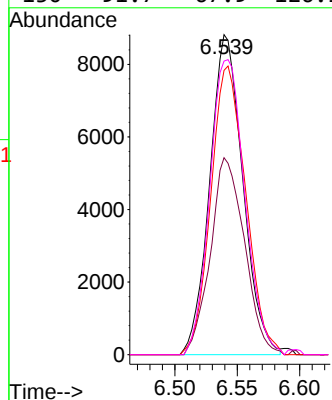
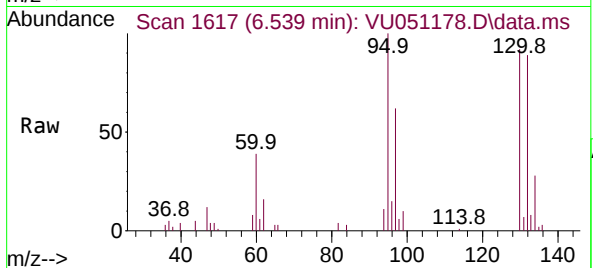
Ion Ratio Lower Upper

95 100

97 61.5 45.9 85.3

132 88.8 64.0 119.0

130 91.7 67.9 126.1



#39

cis-1,3-Dichloropropene

Concen: 0.992 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU051178.D

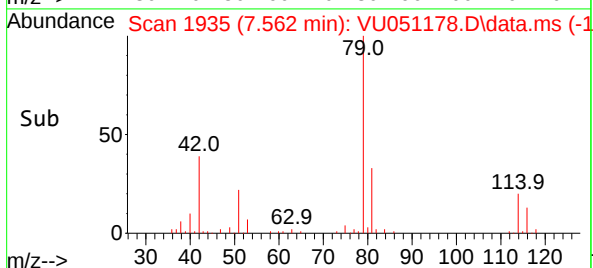
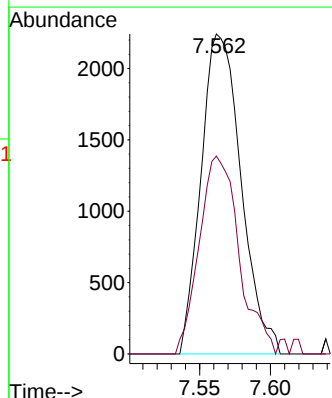
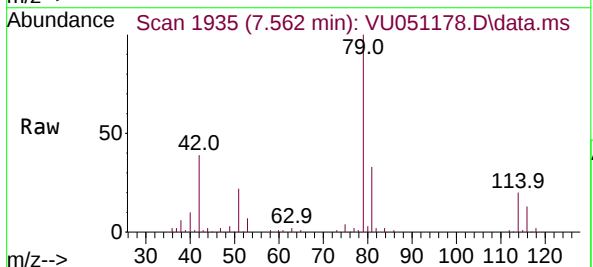
Acq: 06 Oct 2022 17:44

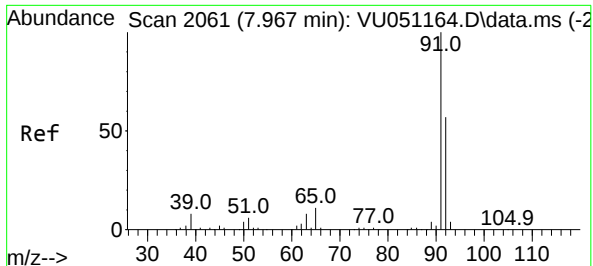
Tgt Ion: 75 Resp: 4405

Ion Ratio Lower Upper

75 100

77 61.9 22.0 41.0#





#42

Toluene

Concen: 1.477 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051178.D

Acq: 06 Oct 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

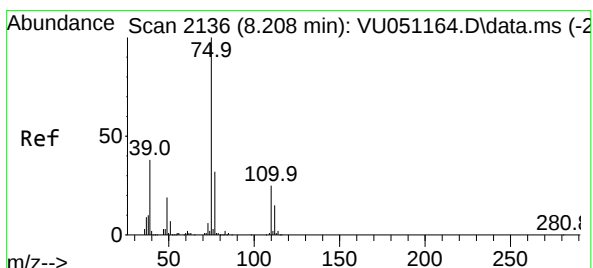
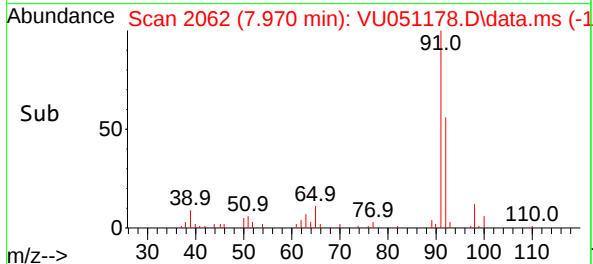
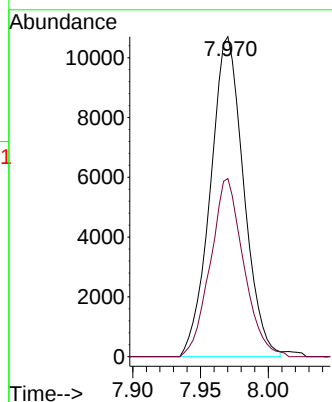
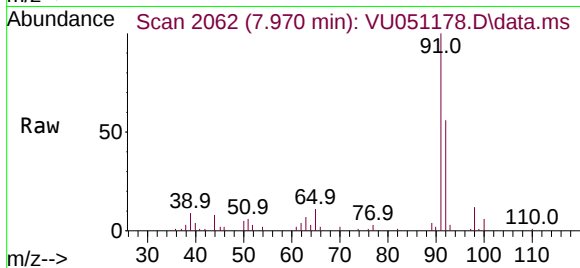
F5J53

Tgt Ion: 91 Resp: 18291

Ion Ratio Lower Upper

91 100

92 55.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.657 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU051178.D

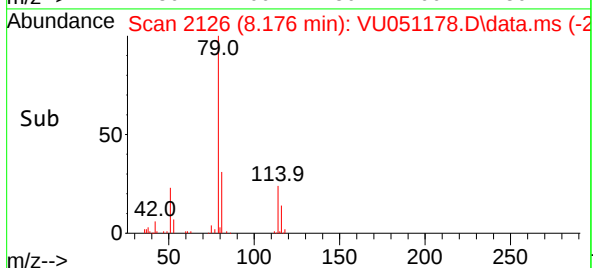
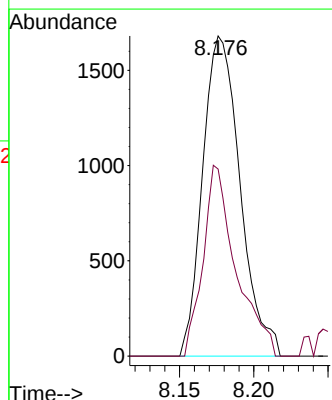
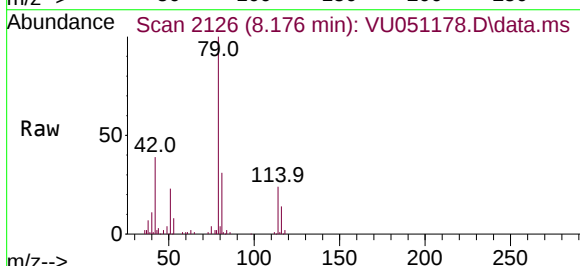
Acq: 06 Oct 2022 17:44

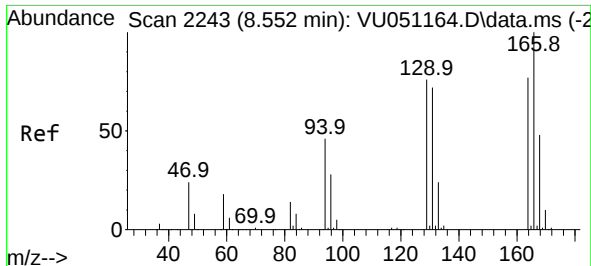
Tgt Ion: 75 Resp: 2951

Ion Ratio Lower Upper

75 100

77 58.4 22.7 42.3#

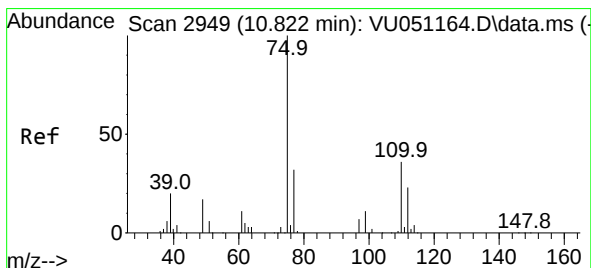
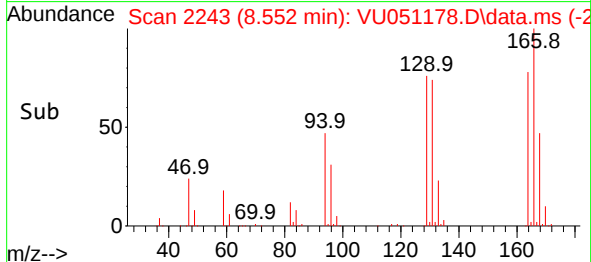
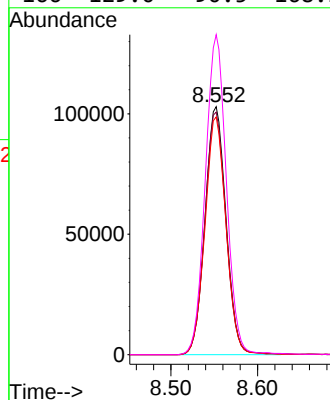
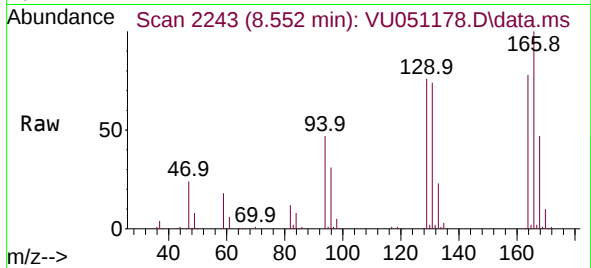




#46
Tetrachloroethene
Concen: 76.214 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051178.D
Acq: 06 Oct 2022 17:44

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:164 Resp: 174222
Ion Ratio Lower Upper
164 100
129 97.8 68.1 126.5
131 95.9 67.8 126.0
166 129.0 90.5 168.1



#60
1,2,3-Trichloropropane
Concen: 4.683 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051178.D
Acq: 06 Oct 2022 17:44

Tgt Ion: 75 Resp: 16325
Ion Ratio Lower Upper
75 100
77 31.7 26.1 39.1
110 1.7 30.0 45.0#

