

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051180.D
 Acq On : 06 Oct 2022 18:31
 Operator : JC/MD
 Sample : N4893-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J09

Quant Time: Oct 07 01:33:48 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)

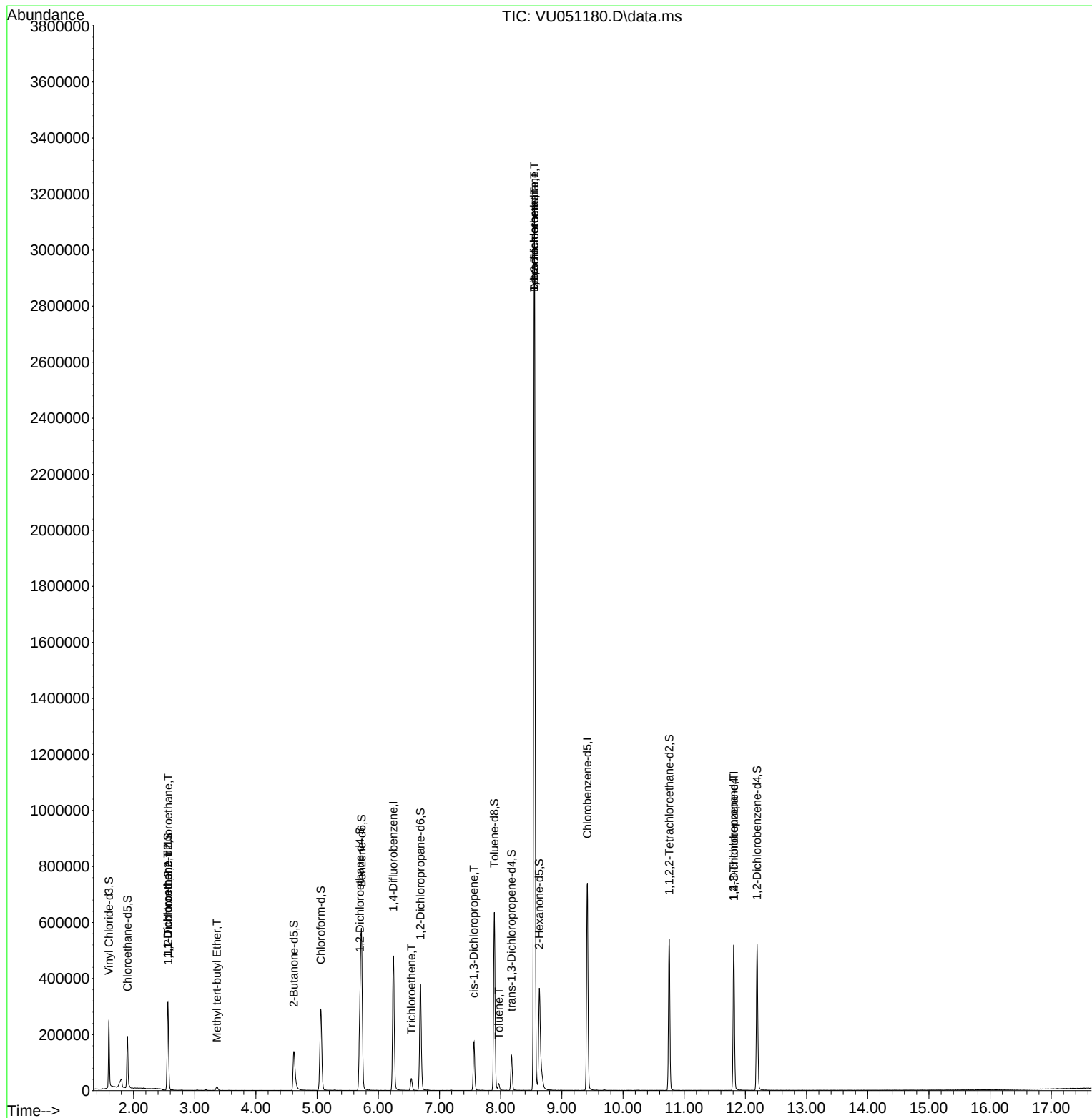
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	387431	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	405574	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	138779	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	165453	42.138	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.280%		
7) Chloroethane-d5	1.899	69	141081	38.681	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.360%		
11) 1,1-Dichloroethene-d2	2.562	63	188987	32.584	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.160%		
21) 2-Butanone-d5	4.620	46	196897	77.317	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.320%		
24) Chloroform-d	5.060	84	275751	43.591	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.180%		
26) 1,2-Dichloroethane-d4	5.700	65	178448	45.574	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.140%		
32) Benzene-d6	5.726	84	538685	45.356	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.720%		
36) 1,2-Dichloropropane-d6	6.690	67	185207	48.057	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.120%		
41) Toluene-d8	7.896	98	426397	38.858	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.720%#		
43) trans-1,3-Dichloroprop...	8.179	79	68217	37.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.220%		
47) 2-Hexanone-d5	8.629	63	103327	66.399	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	66.400%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	275595	40.917	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.840%		
66) 1,2-Dichlorobenzene-d4	12.192	152	137757	46.466	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.940%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2063	0.697	ug/L #	24
12) 1,1-Dichloroethene	2.559	96	1420	0.514	ug/L #	1
18) Methyl tert-butyl Ether	3.362	73	12427	1.391	ug/L	98
34) Trichloroethene	6.539	95	14077	4.396	ug/L	96
39) cis-1,3-Dichloropropene	7.562	75	3729	0.791	ug/L #	37
42) Toluene	7.970	91	15745	1.197	ug/L	95
45) 1,1,2-Trichloroethane	8.552	97	5872	1.628	ug/L #	1
46) Tetrachloroethene	8.552	164	692193	285.205	ug/L	99
49) Dibromochloromethane	8.552	129	674935	177.991	ug/L #	12
60) 1,2,3-Trichloropropane	11.809	75	16776	4.594	ug/L #	66

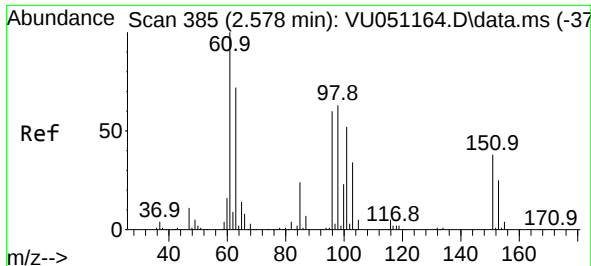
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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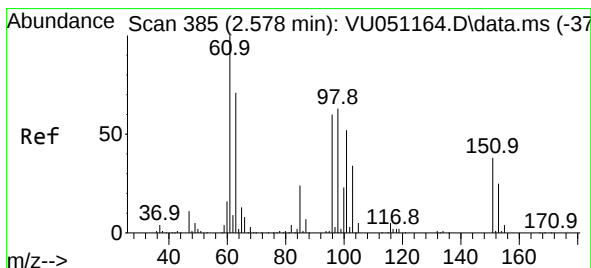
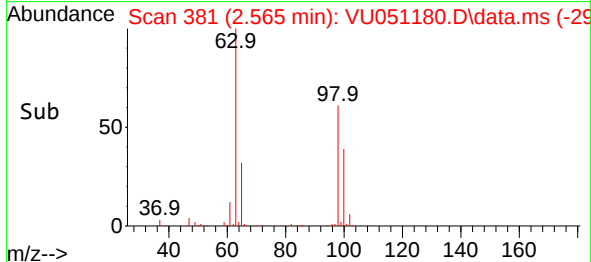
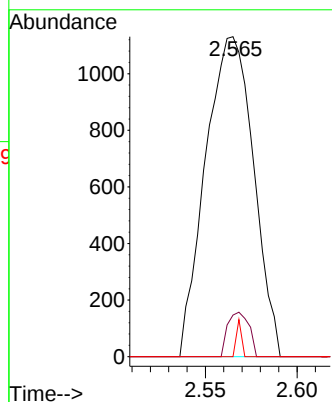
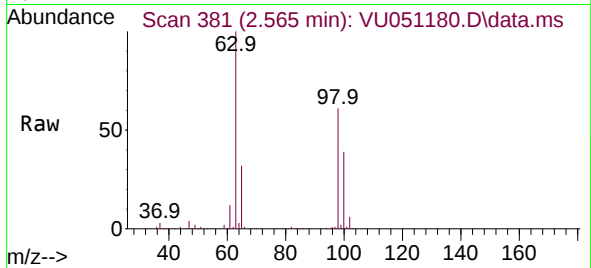




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.697 ug/L
 RT: 2.565 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU051180.D
 Acq: 06 Oct 2022 18:31

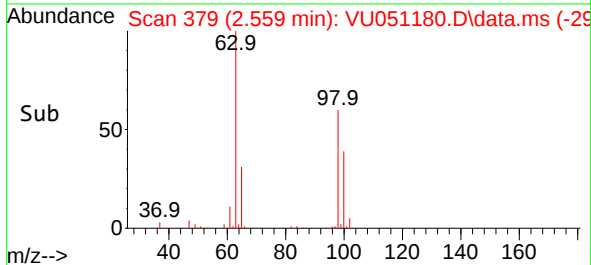
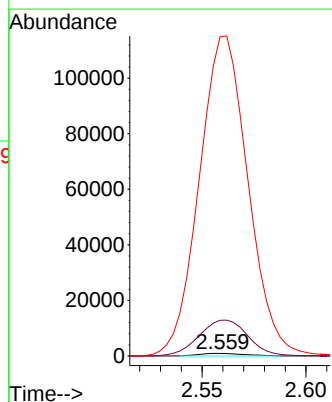
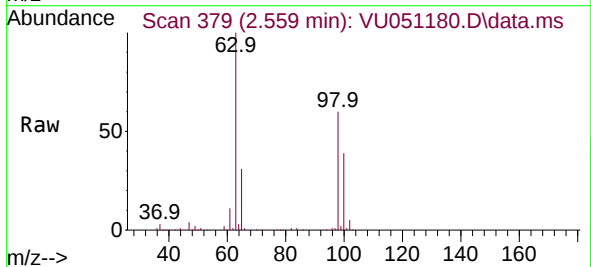
Instrument :
 MSVOA_U
 ClientSampleId :
 F5J09

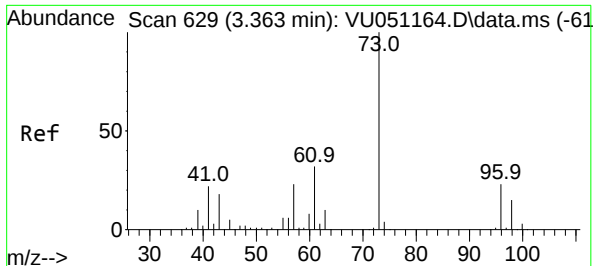
Tgt Ion:101 Resp: 2063
 Ion Ratio Lower Upper
 101 100
 85 6.1 34.6 52.0#
 151 0.0 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.514 ug/L
 RT: 2.559 min Scan# 379
 Delta R.T. -0.020 min
 Lab File: VU051180.D
 Acq: 06 Oct 2022 18:31

Tgt Ion: 96 Resp: 1420
 Ion Ratio Lower Upper
 96 100
 61 1403.8 113.0 209.9#
 63 12548.5 91.7 170.3#





#18

Methyl tert-butyl Ether

Concen: 1.391 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051180.D

Acq: 06 Oct 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

F5J09

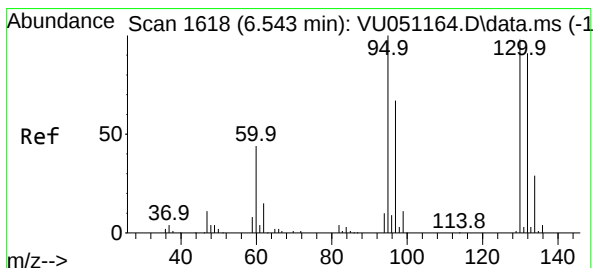
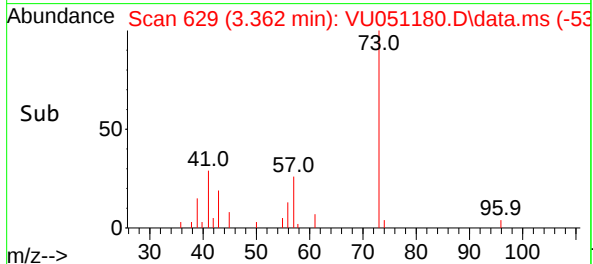
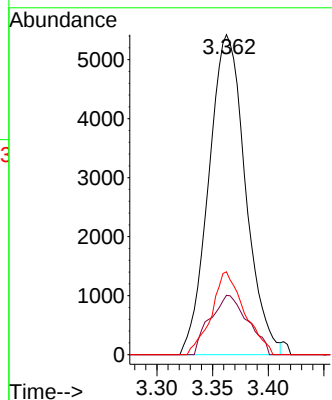
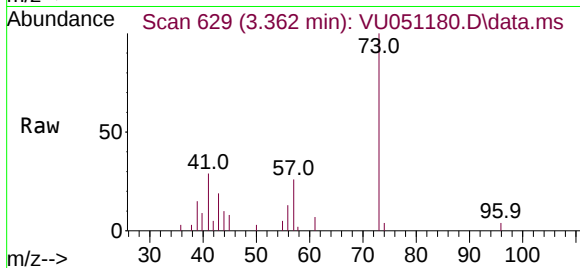
Tgt Ion: 73 Resp: 12427

Ion Ratio Lower Upper

73 100

43 19.0 14.7 22.1

57 23.3 17.5 26.3



#34

Trichloroethene

Concen: 4.396 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU051180.D

Acq: 06 Oct 2022 18:31

Tgt Ion: 95 Resp: 14077

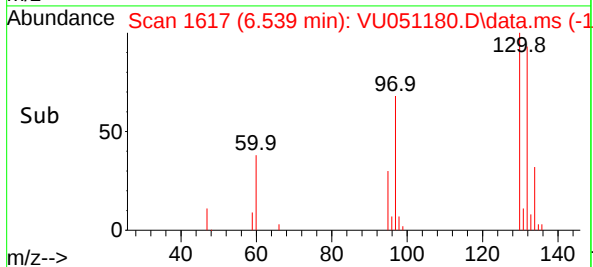
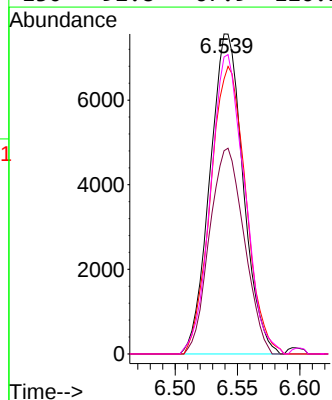
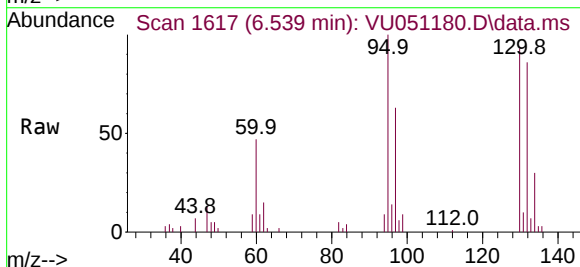
Ion Ratio Lower Upper

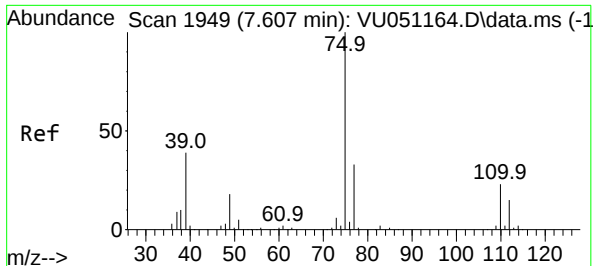
95 100

97 63.5 45.9 85.3

132 85.9 64.0 119.0

130 92.8 67.9 126.1





#39

cis-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 7.562 min Scan# 1949

Delta R.T. -0.045 min

Lab File: VU051180.D

Acq: 06 Oct 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

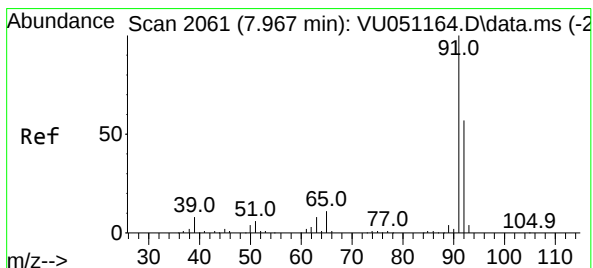
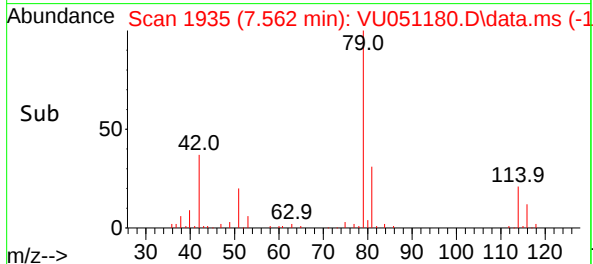
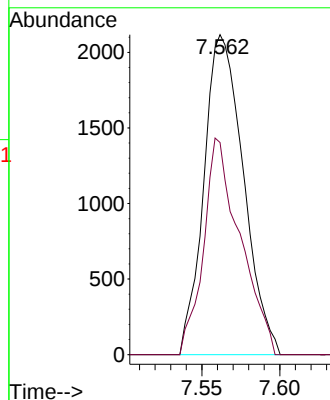
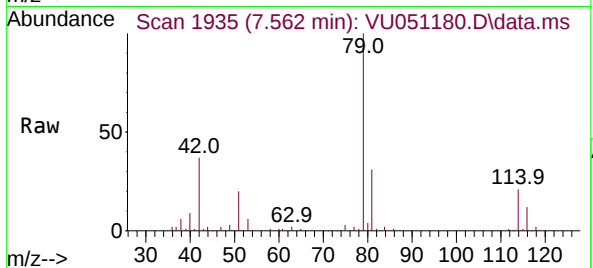
F5J09

Tgt Ion: 75 Resp: 3729

Ion Ratio Lower Upper

75 100

77 66.3 22.0 41.0#



#42

Toluene

Concen: 1.197 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU051180.D

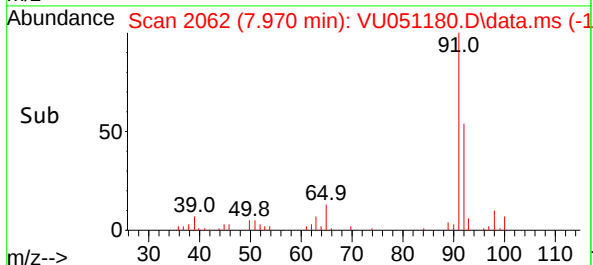
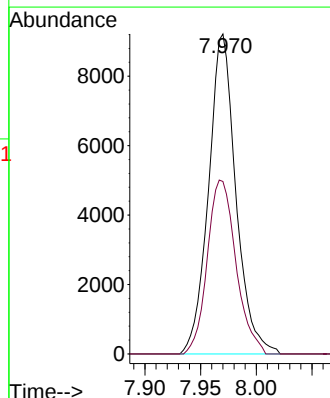
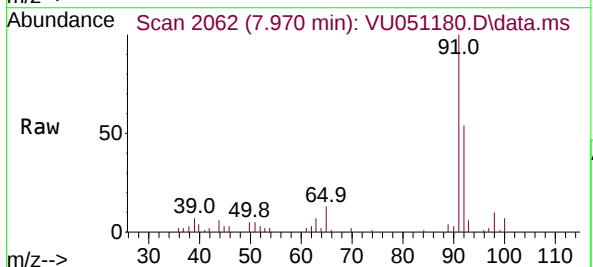
Acq: 06 Oct 2022 18:31

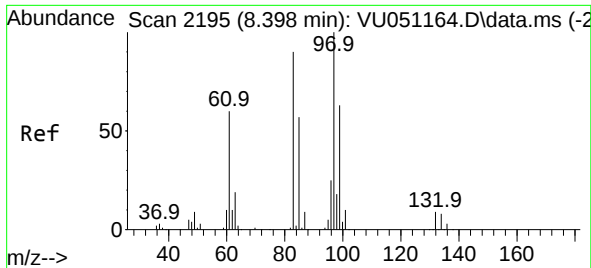
Tgt Ion: 91 Resp: 15745

Ion Ratio Lower Upper

91 100

92 53.9 40.1 74.5



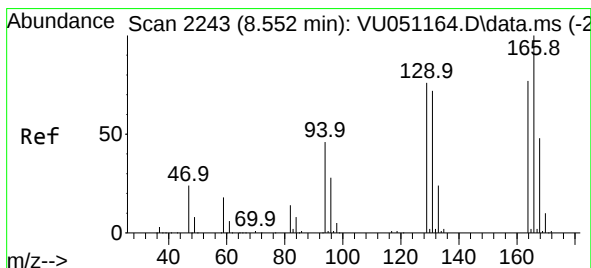
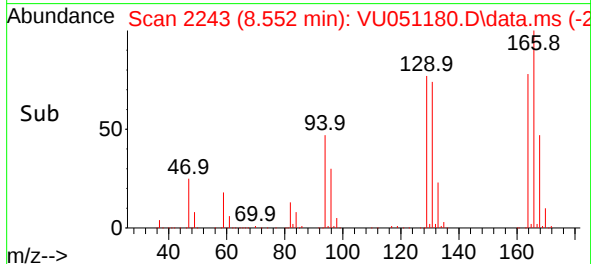
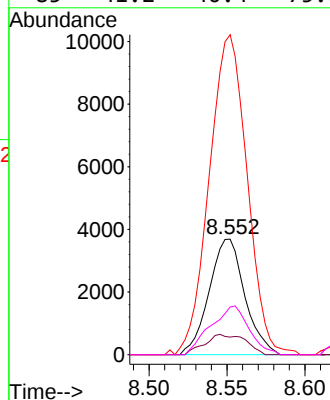
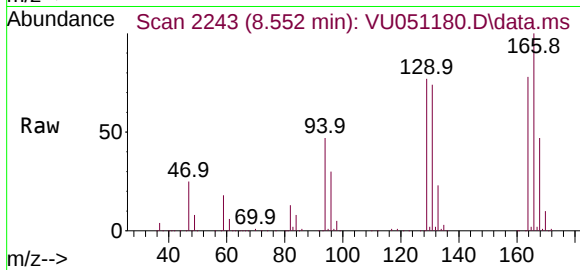


#45
1,1,2-Trichloroethane
Concen: 1.628 ug/L
RT: 8.552 min Scan# 2195
Delta R.T. 0.154 min
Lab File: VU051180.D
Acq: 06 Oct 2022 18:31

Instrument :
MSVOA_U
ClientSampleId :
F5J09

Tgt Ion: 97 Resp: 5872

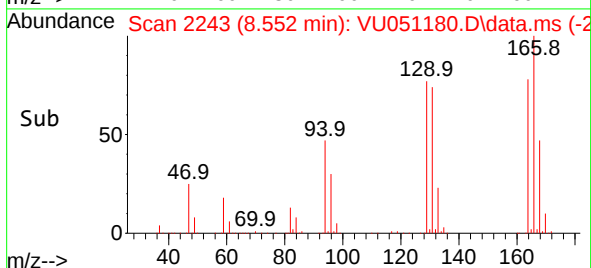
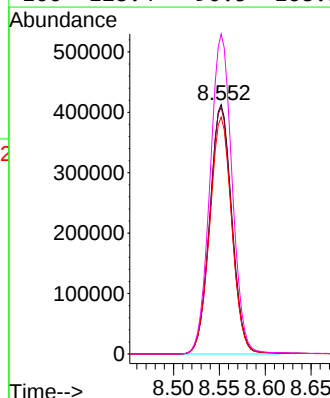
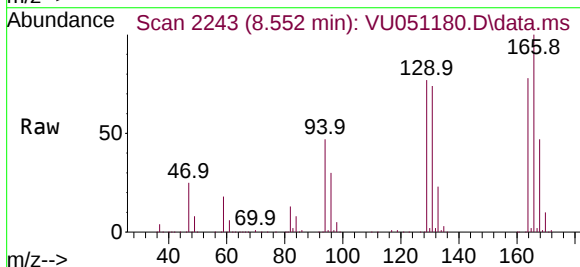
Ion	Ratio	Lower	Upper
97	100		
99	15.2	44.4	82.4#
83	276.8	61.7	114.5#
85	41.2	40.4	75.0

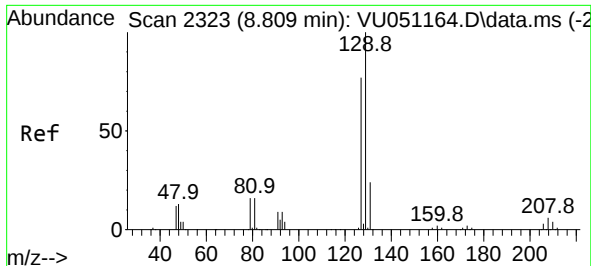


#46
Tetrachloroethene
Concen: 285.205 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051180.D
Acq: 06 Oct 2022 18:31

Tgt Ion: 164 Resp: 692193

Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.1	126.5
131	95.0	67.8	126.0
166	128.4	90.5	168.1

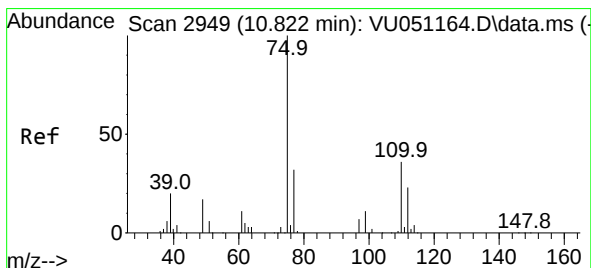
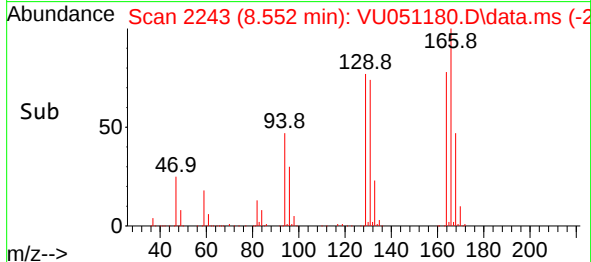
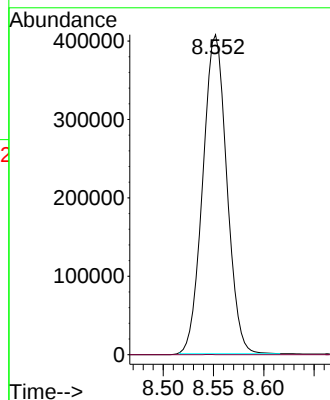
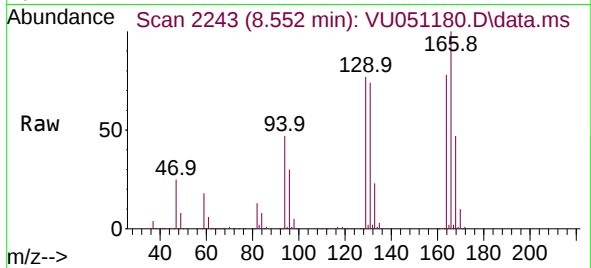




#49
Dibromochloromethane
Concen: 177.991 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU051180.D
Acq: 06 Oct 2022 18:31

Instrument :
MSVOA_U
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Tgt Ion:129 Resp: 674935
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.0#



#60
1,2,3-Trichloropropane
Concen: 4.594 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051180.D
Acq: 06 Oct 2022 18:31

Tgt Ion: 75 Resp: 16776
Ion Ratio Lower Upper
75 100
77 35.6 26.1 39.1
110 2.4 30.0 45.0#

