

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051179.D
 Acq On : 06 Oct 2022 18:07
 Operator : JC/MD
 Sample : N4893-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J06

Quant Time: Oct 07 01:33:34 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)

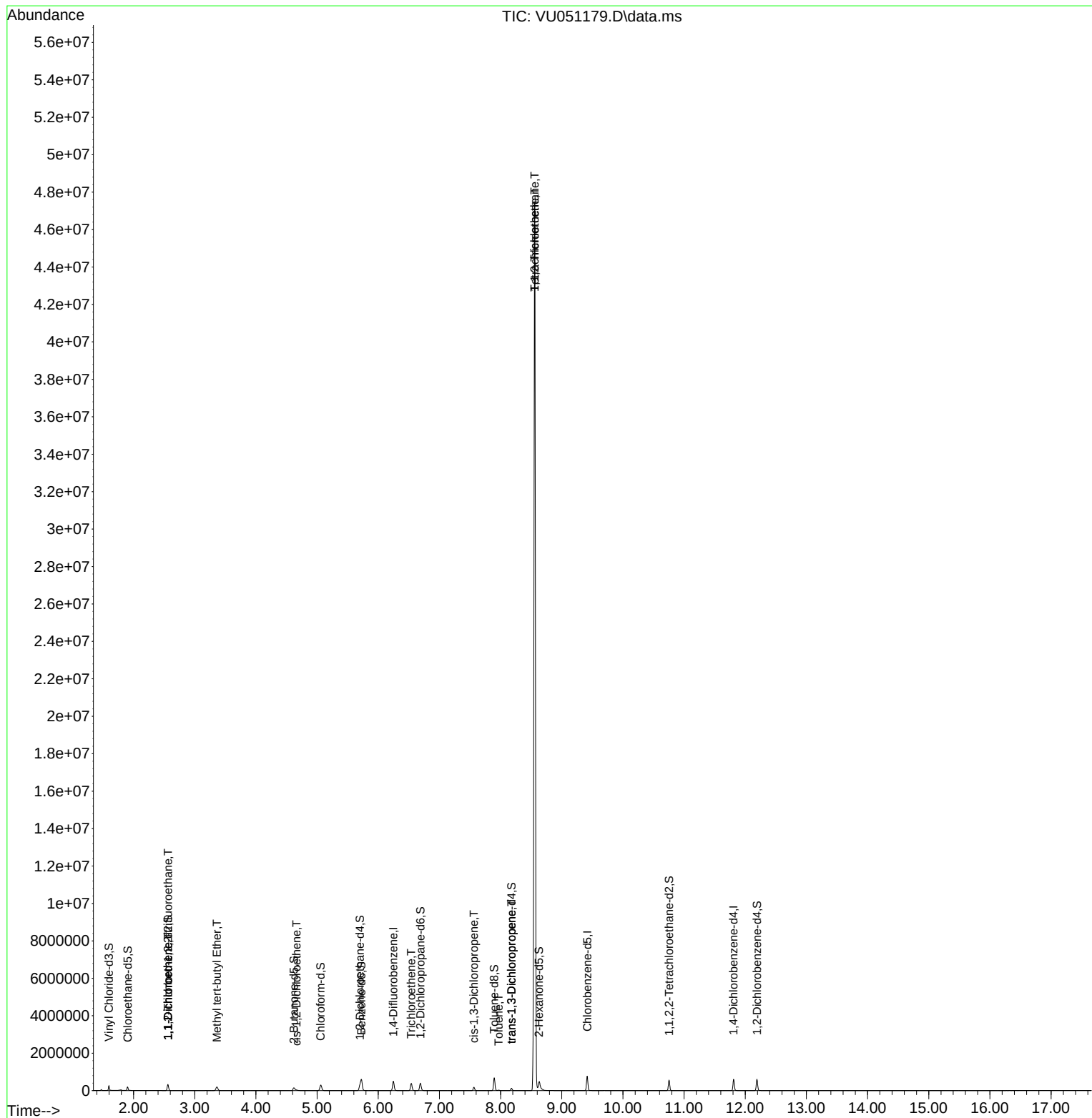
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	398066	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	424137	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	157149	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	171236	42.446	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.900%		
7) Chloroethane-d5	1.903	69	146215	39.017	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.040%		
11) 1,1-Dichloroethene-d2	2.562	63	195411	32.792	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.580%		
21) 2-Butanone-d5	4.620	46	213112	81.449	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.450%		
24) Chloroform-d	5.060	84	280588	43.170	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.340%		
26) 1,2-Dichloroethane-d4	5.700	65	179401	44.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.180%		
32) Benzene-d6	5.726	84	560373	45.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.240%		
36) 1,2-Dichloropropane-d6	6.690	67	192621	47.793	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.580%		
41) Toluene-d8	7.896	98	457401	39.859	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.720%#		
43) trans-1,3-Dichloroprop...	8.179	79	71753	37.326	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.660%		
47) 2-Hexanone-d5	8.629	63	125488	77.111	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.110%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	283118	40.195	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.380%		
66) 1,2-Dichlorobenzene-d4	12.192	152	156604	46.648	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.300%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2018	0.664	ug/L #	20
12) 1,1-Dichloroethene	2.562	96	1601	0.564	ug/L #	1
18) Methyl tert-butyl Ether	3.362	73	203827	22.209	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	9067	2.689	ug/L	95
34) Trichloroethene	6.539	95	138516	41.359	ug/L	96
39) cis-1,3-Dichloropropene	7.562	75	4258	0.863	ug/L #	68
42) Toluene	7.970	91	18036	1.311	ug/L	92
44) trans-1,3-Dichloropropene	8.179	75	3414	0.685	ug/L	84
45) 1,1,2-Trichloroethane	8.555	97	91686	24.309	ug/L #	1
46) Tetrachloroethene	8.558	164	10048566	3959.110	ug/L	94

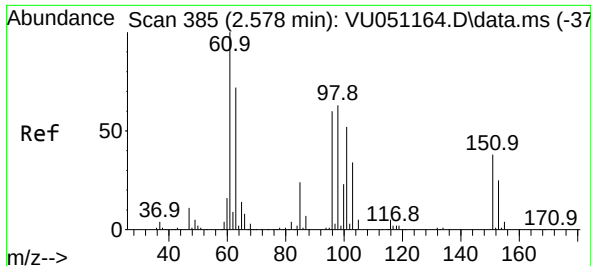
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 07 01:29:24 2022
Response via : Initial Calibration





#10

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

Concen: 0.664 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU051179.D

Acq: 06 Oct 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

F5J06

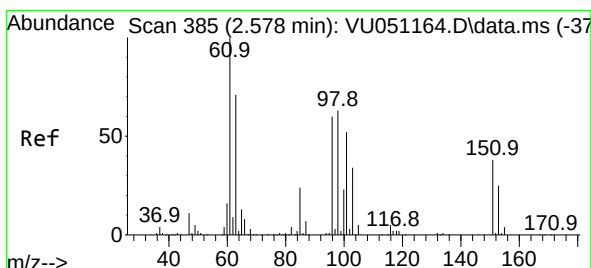
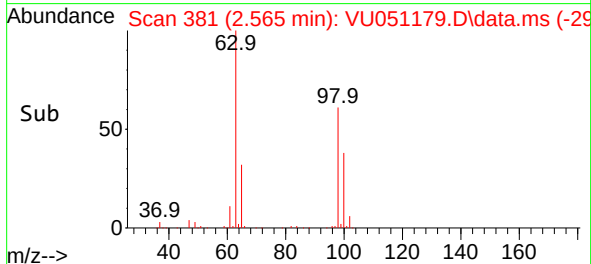
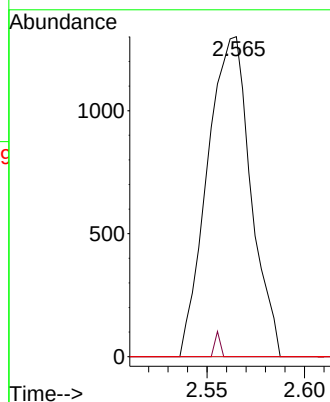
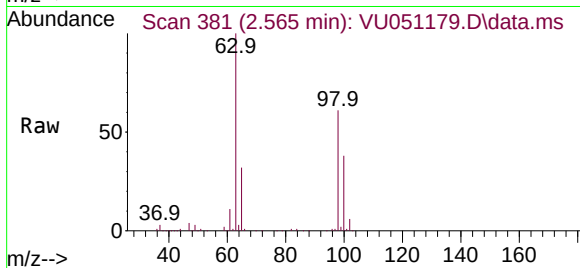
Tgt Ion:101 Resp: 2018

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: 0.564 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU051179.D

Acq: 06 Oct 2022 18:07

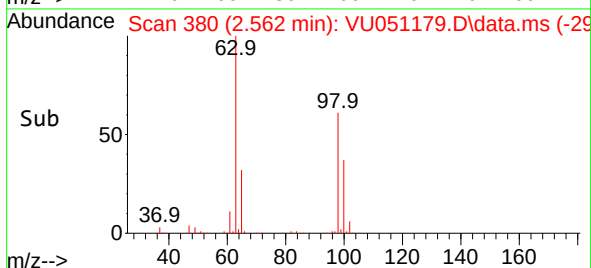
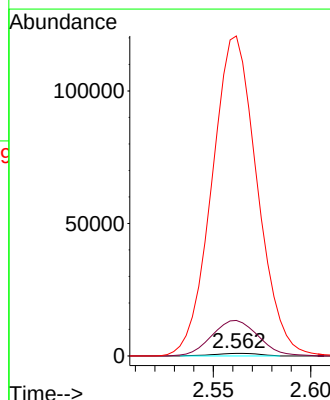
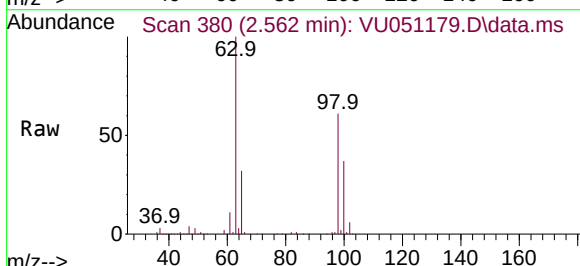
Tgt Ion: 96 Resp: 1601

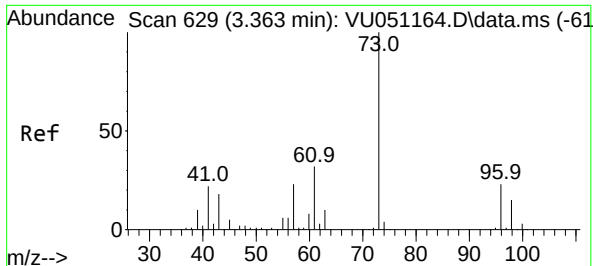
Ion Ratio Lower Upper

96 100

61 1373.2 113.0 209.9#

63 12358.6 91.7 170.3#

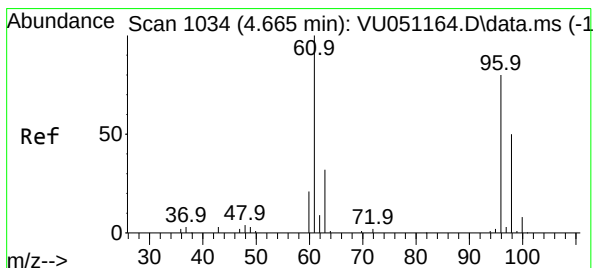
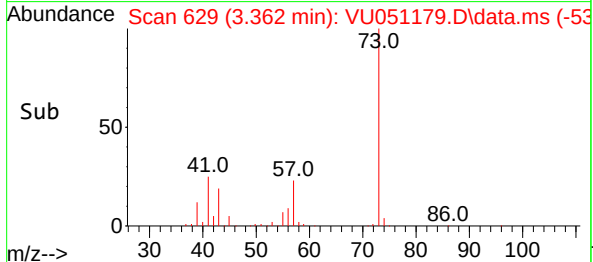
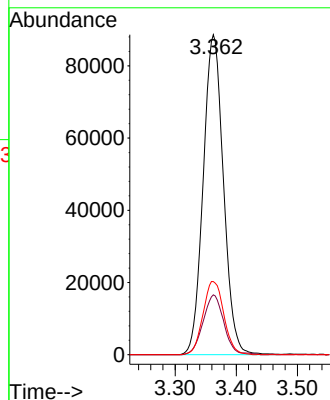
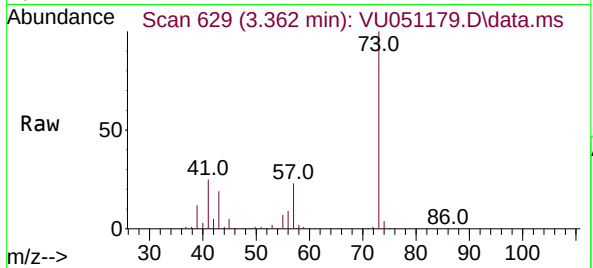




#18
Methyl tert-butyl Ether
Concen: 22.209 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

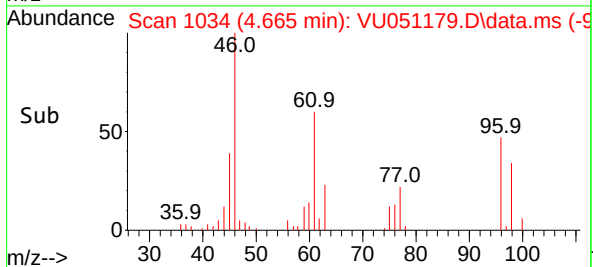
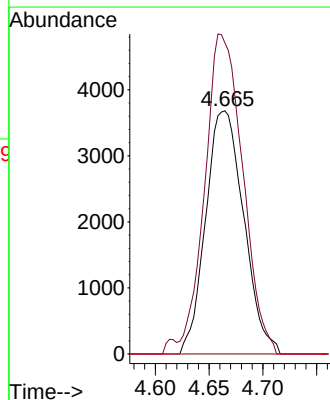
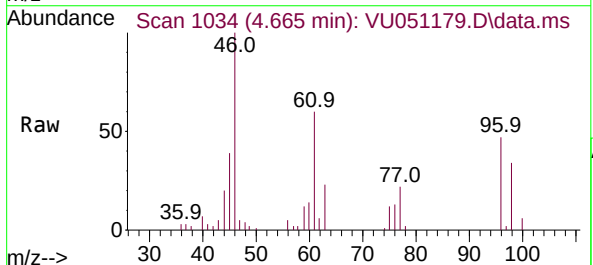
Instrument :
MSVOA_U
ClientSampleId :
F5J06

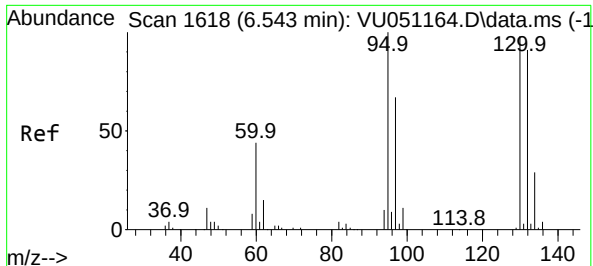
Tgt Ion: 73 Resp: 203827
Ion Ratio Lower Upper
73 100
43 18.9 14.7 22.1
57 23.5 17.5 26.3



#20
cis-1,2-Dichloroethene
Concen: 2.689 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

Tgt Ion: 96 Resp: 9067
Ion Ratio Lower Upper
96 100
61 128.0 85.4 158.6
68 0.0 0.0 0.0

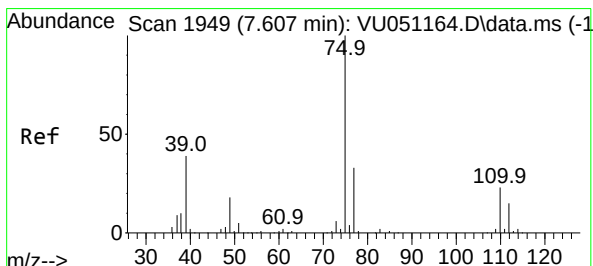
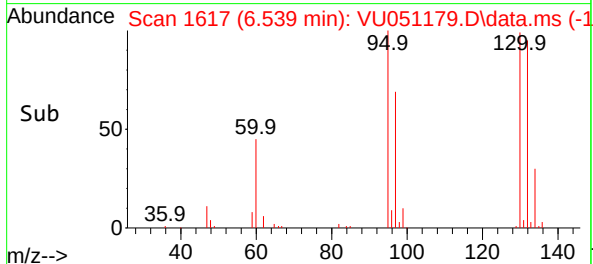
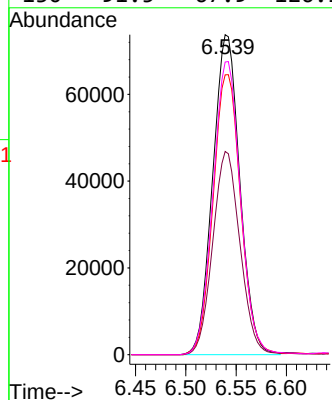
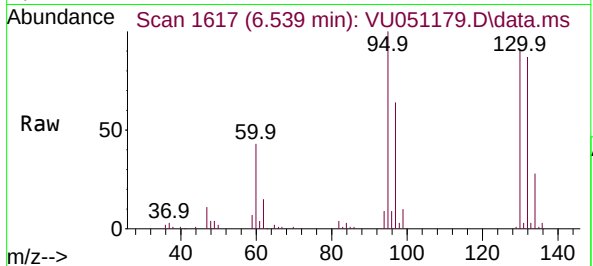




#34
Trichloroethene
Concen: 41.359 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

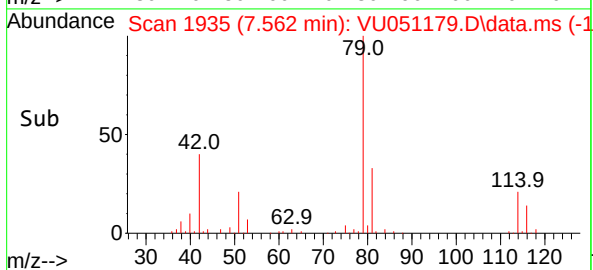
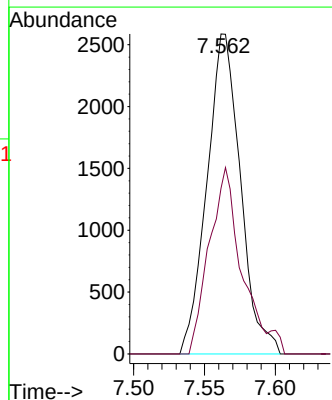
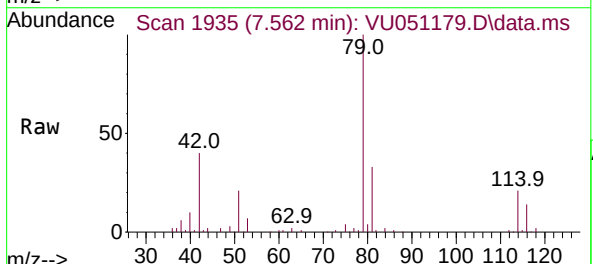
Instrument :
MSVOA_U
ClientSampleId :
F5J06

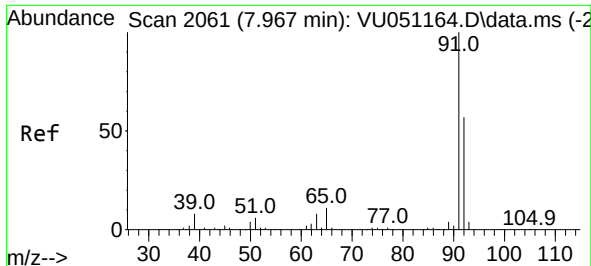
Tgt Ion: 95 Resp: 138516
Ion Ratio Lower Upper
95 100
97 63.5 45.9 85.3
132 87.5 64.0 119.0
130 91.5 67.9 126.1



#39
cis-1,3-Dichloropropene
Concen: 0.863 ug/L
RT: 7.562 min Scan# 1935
Delta R.T. -0.045 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

Tgt Ion: 75 Resp: 4258
Ion Ratio Lower Upper
75 100
77 49.0 22.0 41.0#





#42

Toluene

Concen: 1.311 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051179.D

Acq: 06 Oct 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

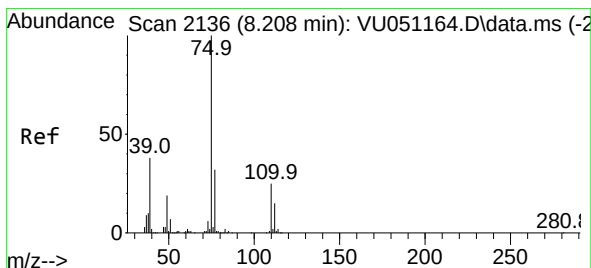
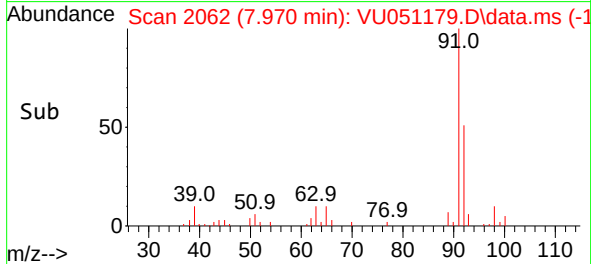
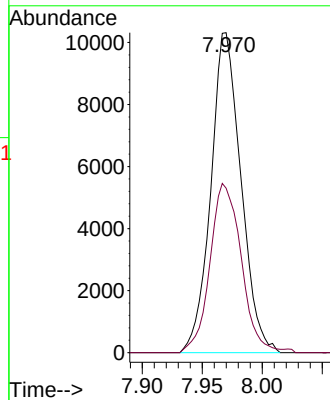
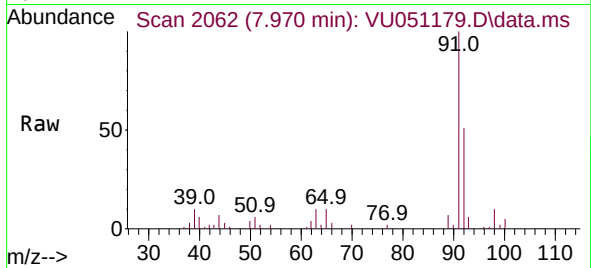
F5J06

Tgt Ion: 91 Resp: 18036

Ion Ratio Lower Upper

91 100

92 51.4 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.685 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU051179.D

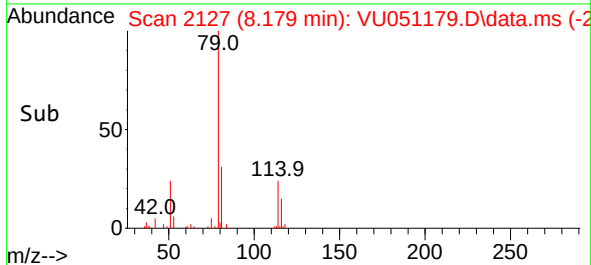
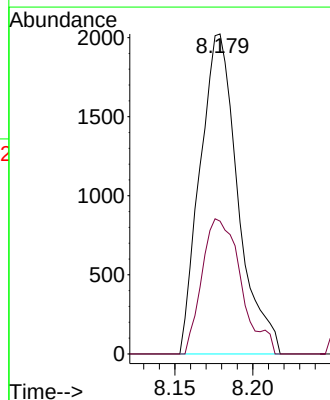
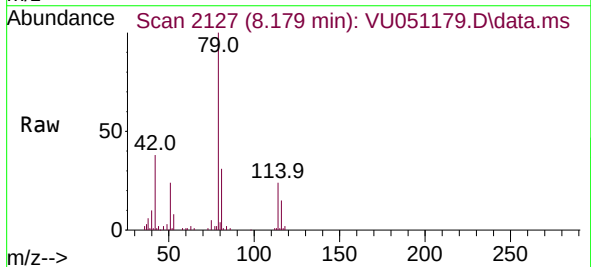
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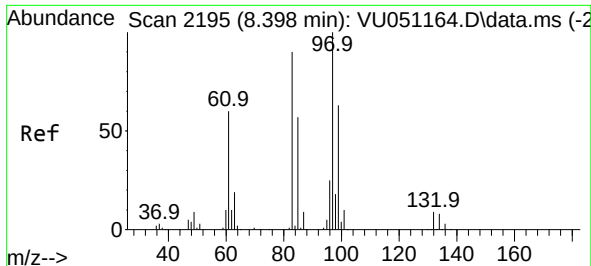
Tgt Ion: 75 Resp: 3414

Ion Ratio Lower Upper

75 100

77 41.5 22.7 42.3



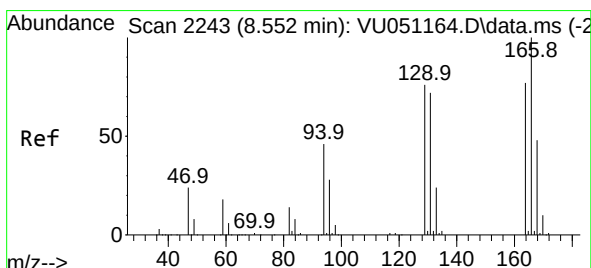
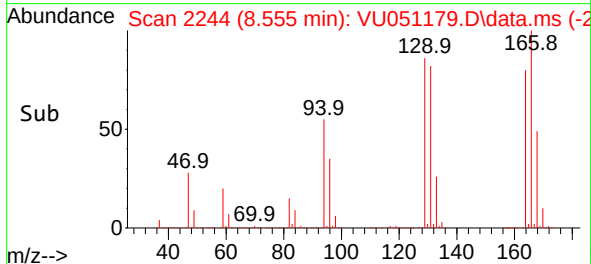
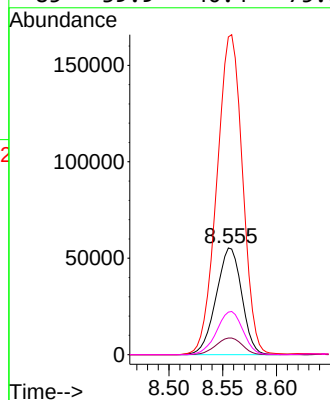
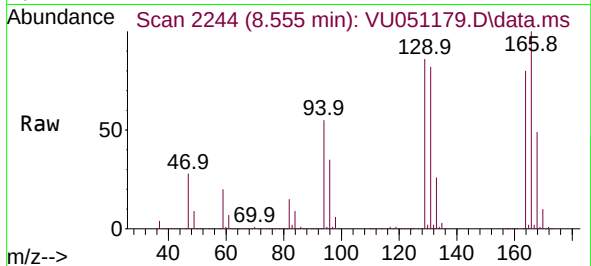


#45
1,1,2-Trichloroethane
Concen: 24.309 ug/L
RT: 8.555 min Scan# 2195
Delta R.T. 0.157 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

Instrument :
MSVOA_U
ClientSampleId :
F5J06

Tgt Ion: 97 Resp: 91686

Ion	Ratio	Lower	Upper
97	100		
99	15.6	44.4	82.4#
83	297.7	61.7	114.5#
85	39.9	40.4	75.0#



#46
Tetrachloroethene
Concen: 3959.110 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.006 min
Lab File: VU051179.D
Acq: 06 Oct 2022 18:07

Tgt Ion: 164 Resp: 10048566

Ion	Ratio	Lower	Upper
164	100		
129	105.8	68.1	126.5
131	101.2	67.8	126.0
166	124.6	90.5	168.1

