

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051189.D
 Acq On : 06 Oct 2022 22:29
 Operator : JC/MD
 Sample : N4893-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J50

Quant Time: Oct 07 06:28:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 02:51:40 2022
 Response via : Initial Calibration

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

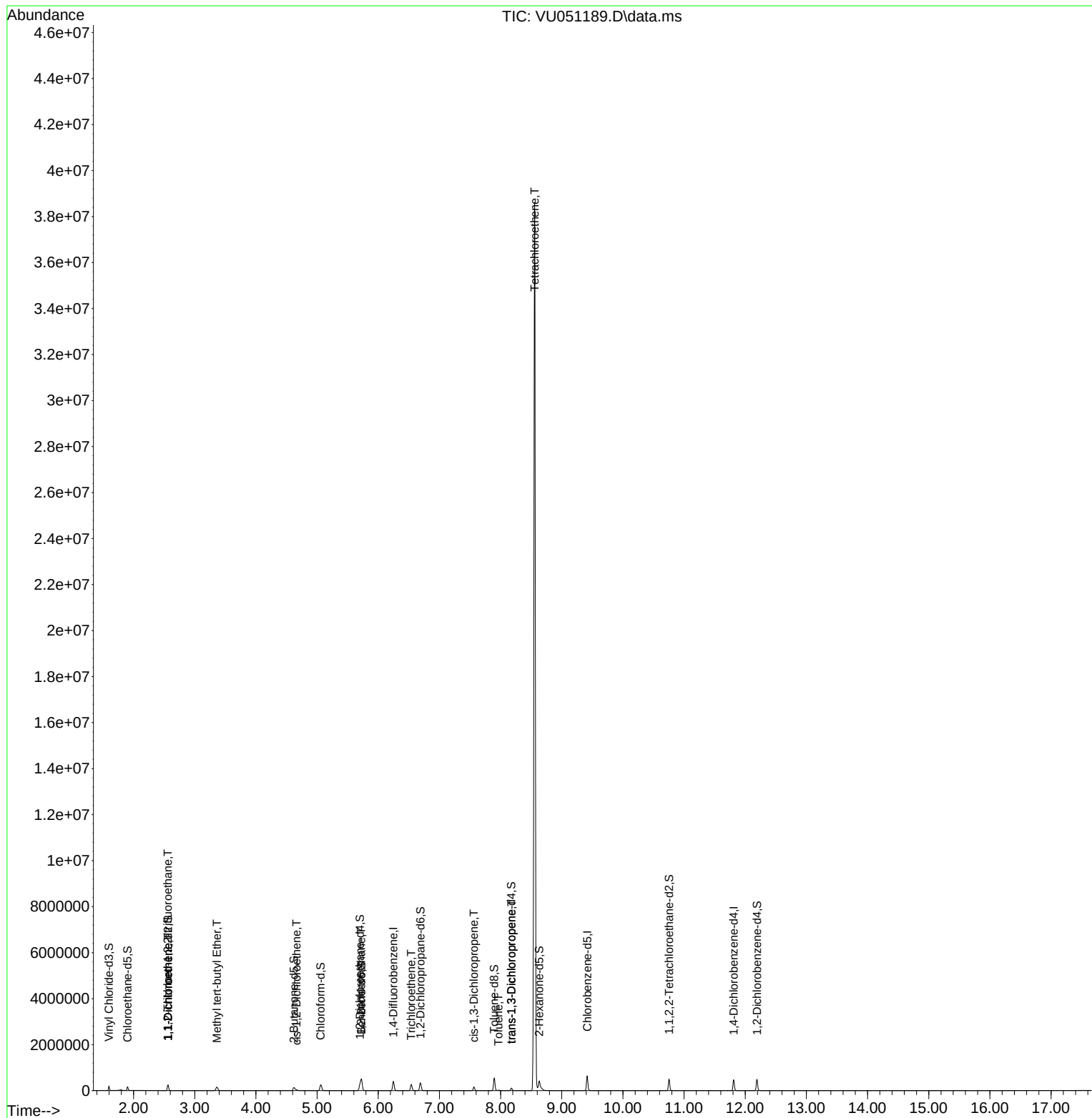
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	321217	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	354942	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126144	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	125457	38.539	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.080%		
7) Chloroethane-d5	1.903	69	116263	38.447	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.900%		
11) 1,1-Dichloroethene-d2	2.562	63	147151	30.601	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.200%		
21) 2-Butanone-d5	4.620	46	187222	88.673	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.670%		
24) Chloroform-d	5.060	84	238823	45.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.080%		
26) 1,2-Dichloroethane-d4	5.700	65	161887	49.867	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.740%		
32) Benzene-d6	5.726	84	465862	44.820	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.640%		
36) 1,2-Dichloropropane-d6	6.690	67	167139	49.555	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.120%		
41) Toluene-d8	7.896	98	367165	38.233	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.460%#		
43) trans-1,3-Dichloroprop...	8.176	79	61797	38.414	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.820%		
47) 2-Hexanone-d5	8.632	63	104878	77.010	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.010%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	255628	43.367	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.740%		
66) 1,2-Dichlorobenzene-d4	12.192	152	129926	48.214	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.420%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1675	0.683	ug/L #	26
12) 1,1-Dichloroethene	2.565	96	1391	0.607	ug/L #	1
18) Methyl tert-butyl Ether	3.362	73	157725	21.298	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	9640	3.543	ug/L	92
27) 1,2-Dichloroethane	5.719	62	2815	0.730	ug/L	100
34) Trichloroethene	6.539	95	95011	33.899	ug/L	96
39) cis-1,3-Dichloropropene	7.565	75	3982	0.965	ug/L	90
42) Toluene	7.967	91	14007	1.217	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	2750	0.659	ug/L	89
46) Tetrachloroethene	8.555	164	8131843	3828.523	ug/L	95

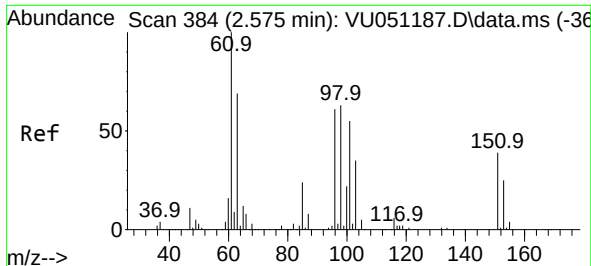
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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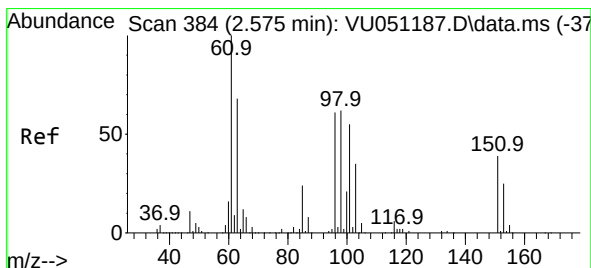
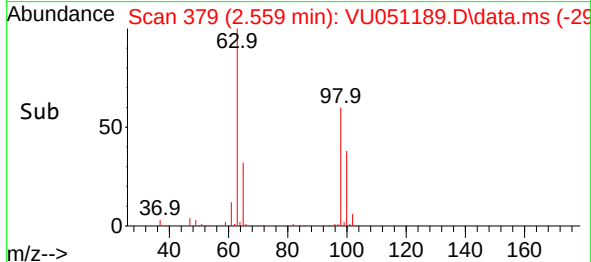
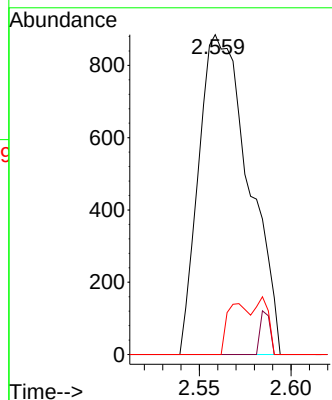
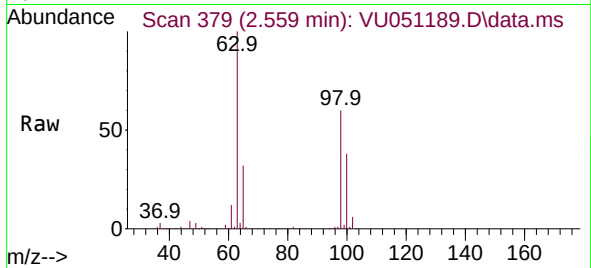




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.683 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

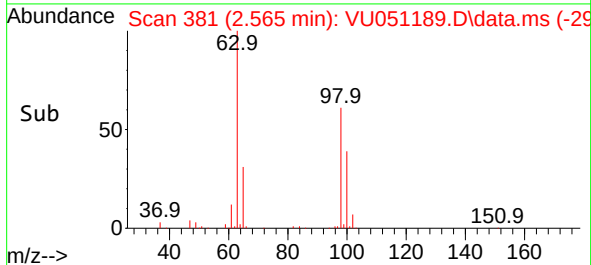
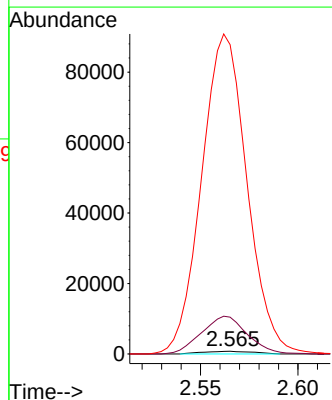
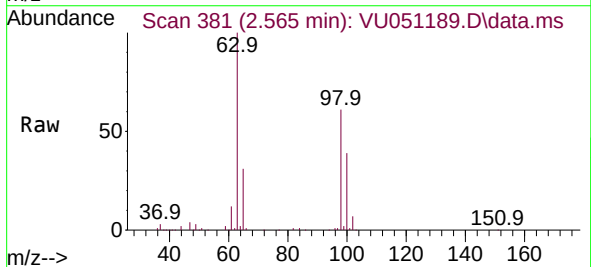
Instrument :
MSVOA_U
ClientSampleId :
F5J50

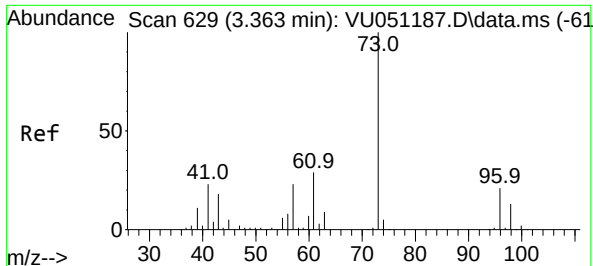
Tgt Ion:101 Resp: 1675
Ion Ratio Lower Upper
101 100
85 0.0 34.6 52.0#
151 7.2 58.6 87.8#



#12
1,1-Dichloroethene
Concen: 0.607 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.010 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

Tgt Ion: 96 Resp: 1391
Ion Ratio Lower Upper
96 100
61 1382.5 113.0 209.9#
63 11627.0 91.7 170.3#

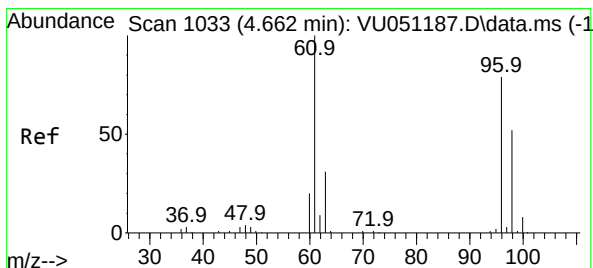
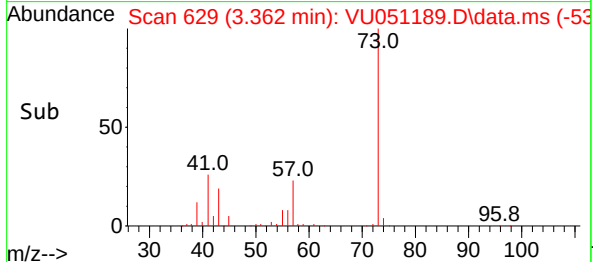
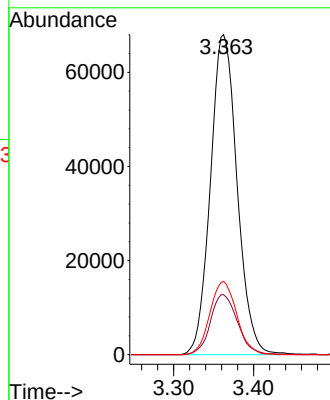
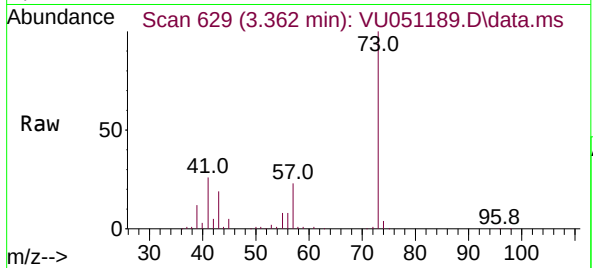




#18
Methyl tert-butyl Ether
Concen: 21.298 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

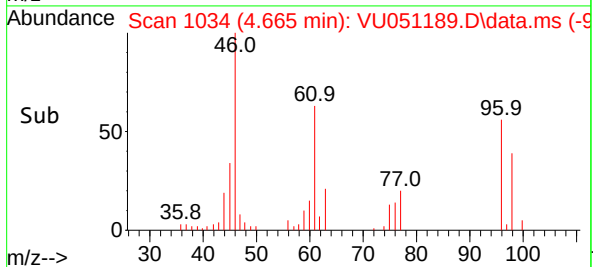
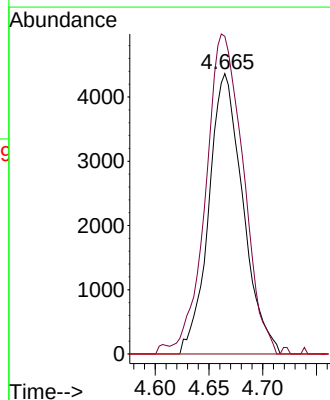
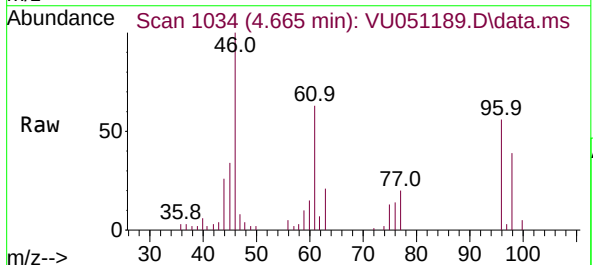
Instrument :
MSVOA_U
ClientSampleId :
F5J50

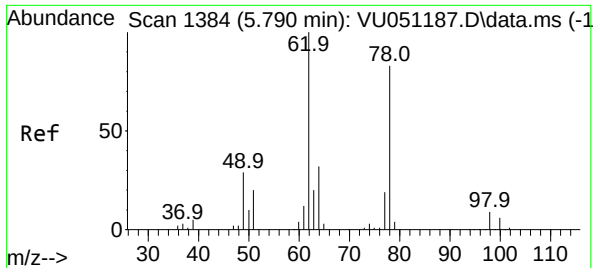
Tgt Ion: 73 Resp: 157725
Ion Ratio Lower Upper
73 100
43 19.0 14.7 22.1
57 22.9 17.5 26.3



#20
cis-1,2-Dichloroethene
Concen: 3.543 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

Tgt Ion: 96 Resp: 9640
Ion Ratio Lower Upper
96 100
61 113.3 85.4 158.6
68 0.0 0.0 0.0

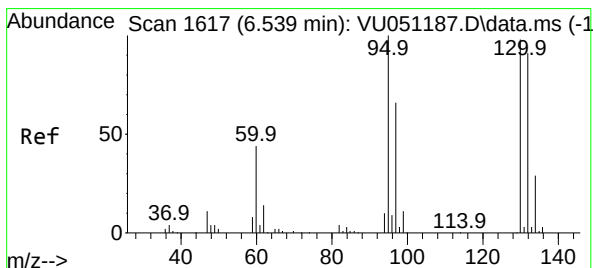
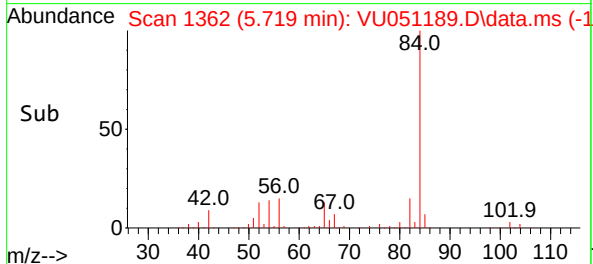
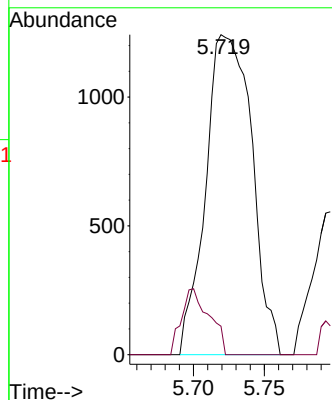
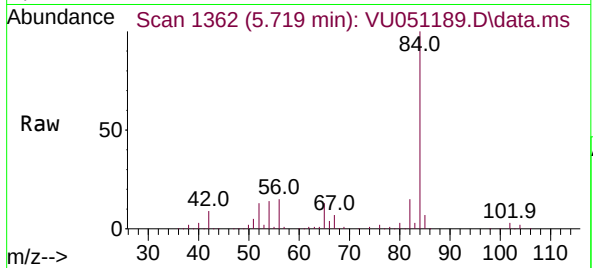




#27
1,2-Dichloroethane
Concen: 0.730 ug/L
RT: 5.719 min Scan# 11
Delta R.T. -0.071 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

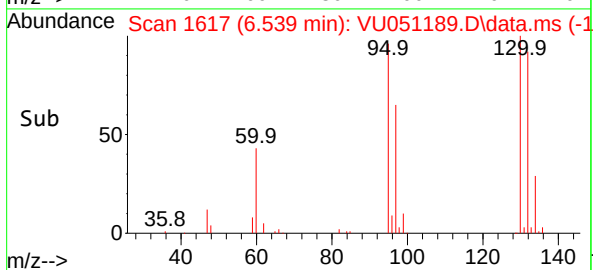
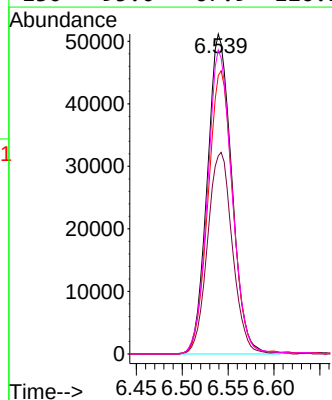
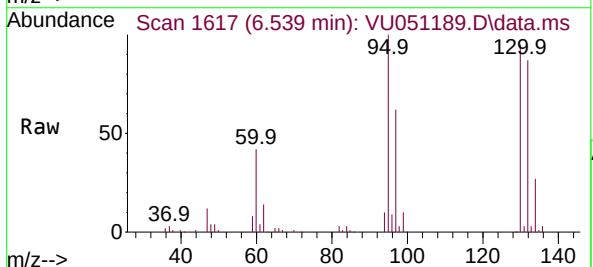
Instrument :
MSVOA_U
ClientSampleId :
F5J50

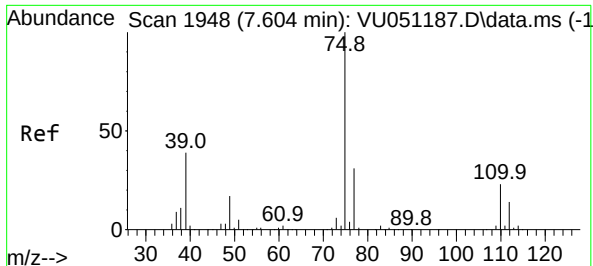
Tgt Ion: 62 Resp: 2815
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9



#34
Trichloroethene
Concen: 33.899 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

Tgt Ion: 95 Resp: 95011
Ion Ratio Lower Upper
95 100
97 61.9 45.9 85.3
132 87.0 64.0 119.0
130 95.0 67.9 126.1





#39

cis-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 7.565 min Scan# 1948

Delta R.T. -0.039 min

Lab File: VU051189.D

Acq: 06 Oct 2022 22:29

Instrument :

MSVOA_U

ClientSampleId :

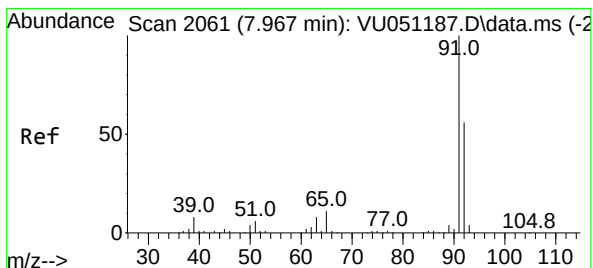
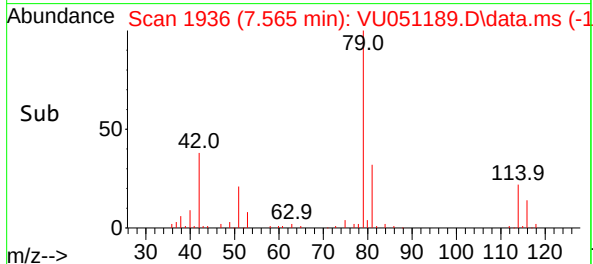
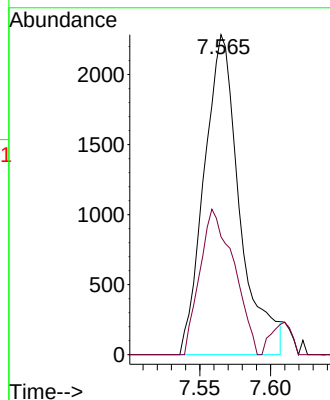
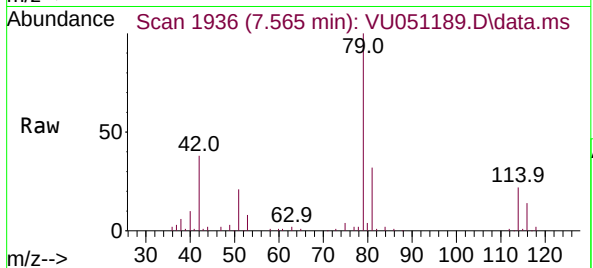
F5J50

Tgt Ion: 75 Resp: 3982

Ion Ratio Lower Upper

75 100

77 36.8 22.0 41.0



#42

Toluene

Concen: 1.217 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051189.D

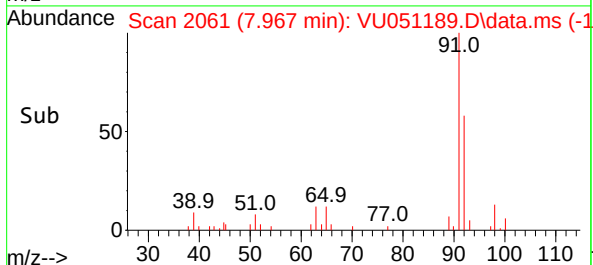
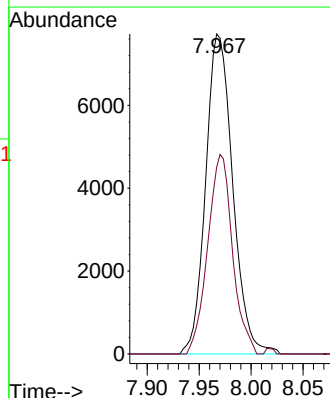
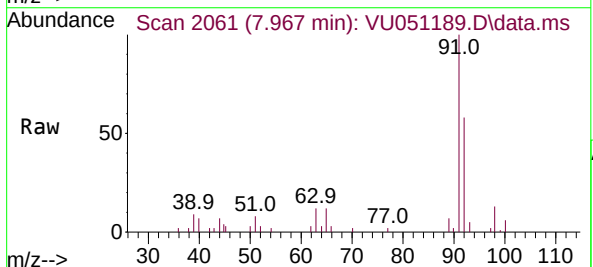
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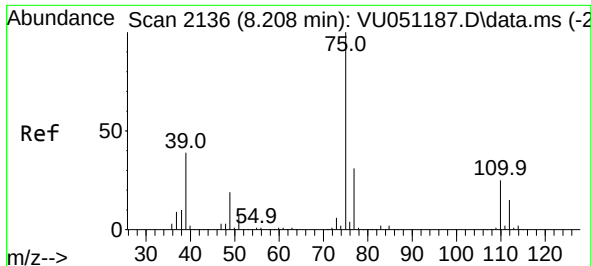
Tgt Ion: 91 Resp: 14007

Ion Ratio Lower Upper

91 100

92 58.4 40.1 74.5

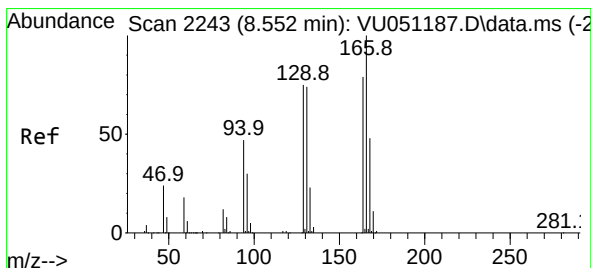
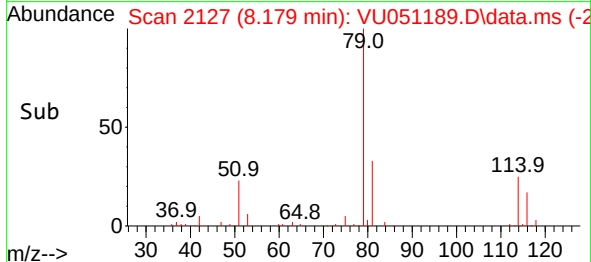
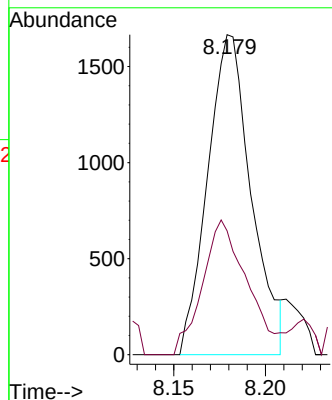
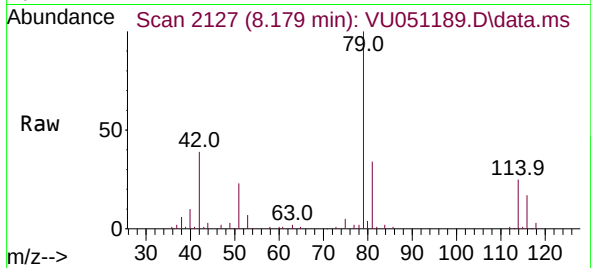




#44
trans-1,3-Dichloropropene
Concen: 0.659 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU051189.D
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Instrument :
MSVOA_U
ClientSampleId :
F5J50

Tgt Ion: 75 Resp: 2750
Ion Ratio Lower Upper
75 100
77 38.7 22.7 42.3



#46
Tetrachloroethene
Concen: 3828.523 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU051189.D
Acq: 06 Oct 2022 22:29

Tgt Ion:164 Resp: 8131843
Ion Ratio Lower Upper
164 100
129 106.6 68.1 126.5
131 101.0 67.8 126.0
166 126.0 90.5 168.1

