

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051183.D
 Acq On : 06 Oct 2022 19:42
 Operator : JC/MD
 Sample : N4893-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J14

Quant Time: Oct 07 01:34:25 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)

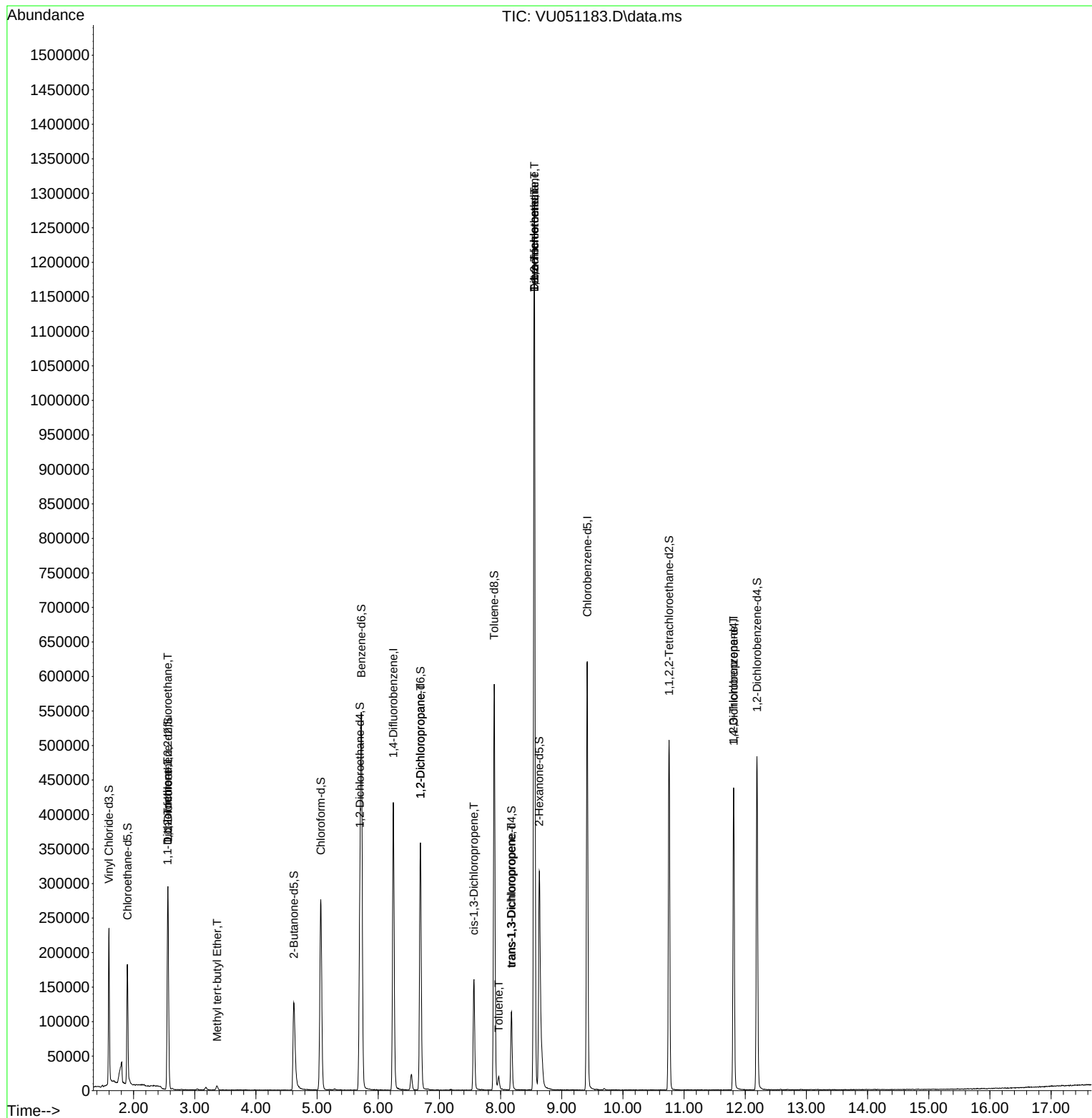
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	329675	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	347524	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	117170	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	154748	46.317	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.640%		
7) Chloroethane-d5	1.900	69	133745	43.093	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.180%		
11) 1,1-Dichloroethene-d2	2.562	63	176359	35.734	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.460%		
21) 2-Butanone-d5	4.620	46	182203	84.082	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.080%		
24) Chloroform-d	5.060	84	259981	48.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.600%		
26) 1,2-Dichloroethane-d4	5.700	65	167786	50.359	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.720%		
32) Benzene-d6	5.726	84	509557	50.070	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.140%		
36) 1,2-Dichloropropane-d6	6.690	67	176480	53.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.880%		
41) Toluene-d8	7.896	98	394187	41.923	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.840%		
43) trans-1,3-Dichloroprop...	8.179	79	62994	39.994	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.980%		
47) 2-Hexanone-d5	8.632	63	89894	67.417	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	67.420%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	259032	44.882	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.760%		
66) 1,2-Dichlorobenzene-d4	12.192	152	128046	51.155	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.320%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1415	0.562	ug/L #	22
12) 1,1-Dichloroethene	2.555	96	1379	0.587	ug/L #	1
18) Methyl tert-butyl Ether	3.366	73	5016	0.660	ug/L	94
37) 1,2-Dichloropropane	6.690	63	17703	6.205	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	3617	0.895	ug/L #	60
42) Toluene	7.970	91	13112	1.164	ug/L	93
44) trans-1,3-Dichloropropene	8.176	75	2609	0.639	ug/L #	82
45) 1,1,2-Trichloroethane	8.552	97	2342	0.758	ug/L #	1
46) Tetrachloroethene	8.552	164	283246	136.200	ug/L	97
49) Dibromochloromethane	8.552	129	272201	83.774	ug/L #	12
60) 1,2,3-Trichloropropane	11.809	75	14780	4.793	ug/L #	68

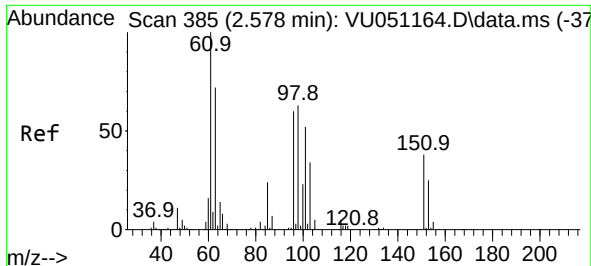
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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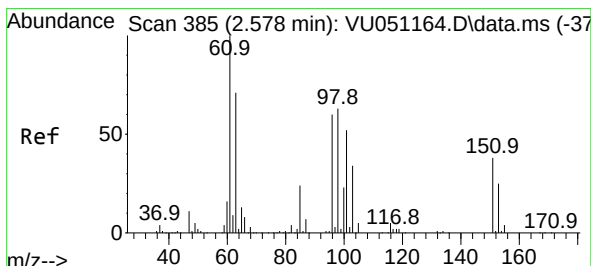
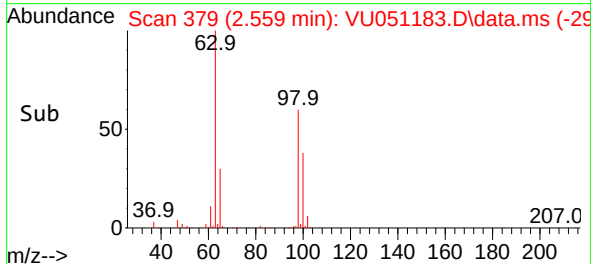
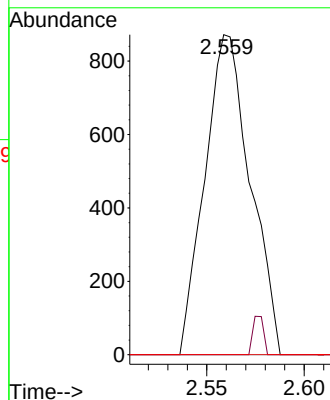
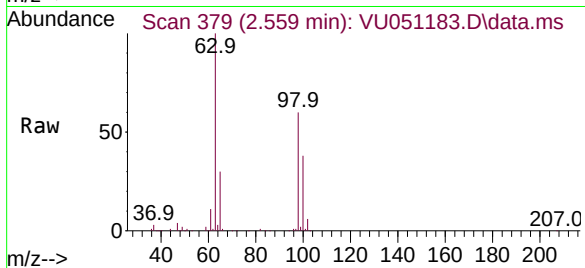




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.562 ug/L
 RT: 2.559 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VU051183.D
 Acq: 06 Oct 2022 19:42

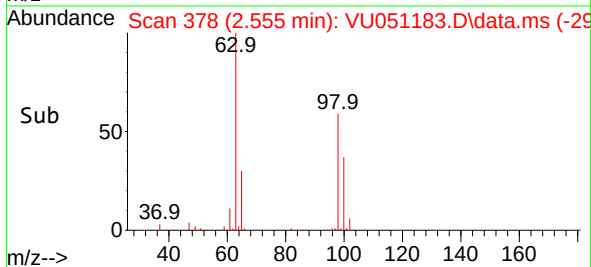
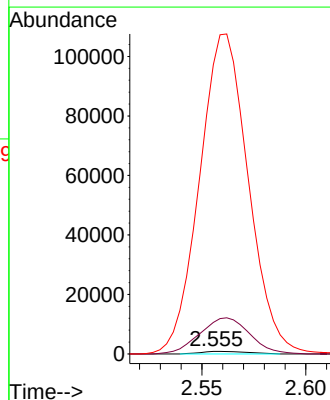
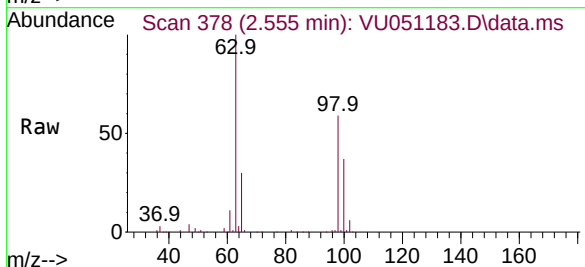
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 MSVOA_U
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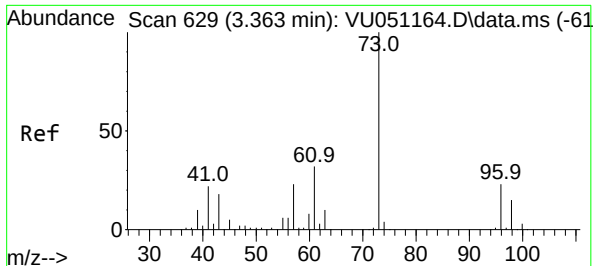
Tgt Ion:101 Resp: 1415
 Ion Ratio Lower Upper
 101 100
 85 2.8 34.6 52.0#
 151 0.0 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.587 ug/L
 RT: 2.555 min Scan# 378
 Delta R.T. -0.023 min
 Lab File: VU051183.D
 Acq: 06 Oct 2022 19:42

Tgt Ion: 96 Resp: 1379
 Ion Ratio Lower Upper
 96 100
 61 1217.2 113.0 209.9#
 63 11155.9 91.7 170.3#

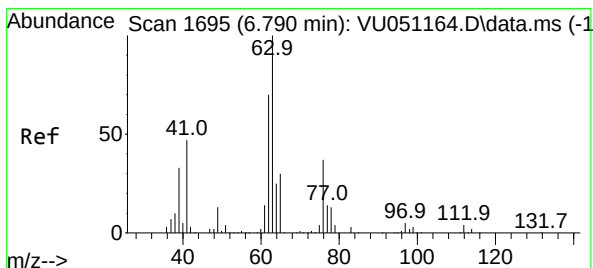
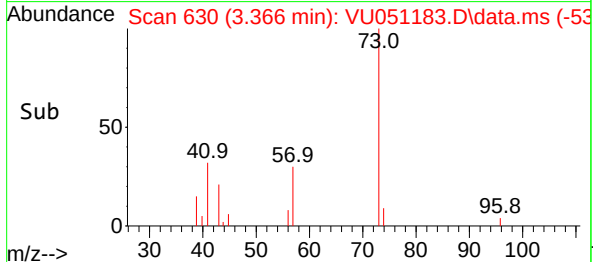
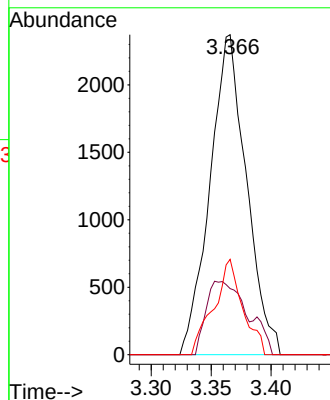
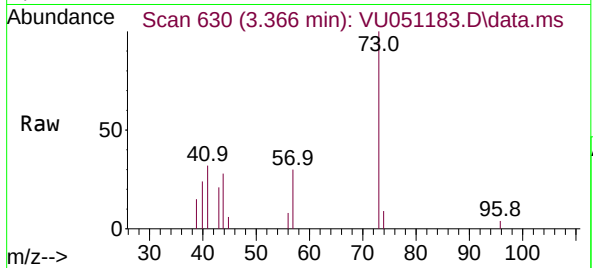




#18
Methyl tert-butyl Ether
Concen: 0.660 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

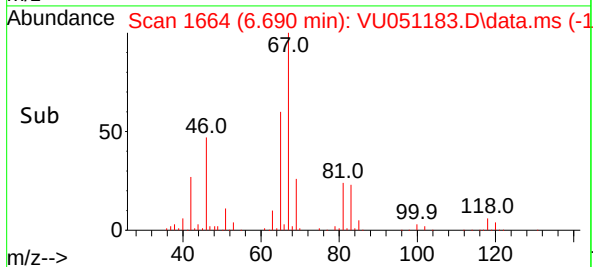
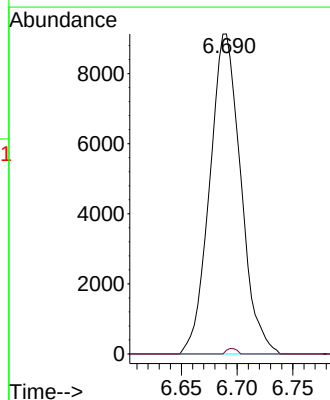
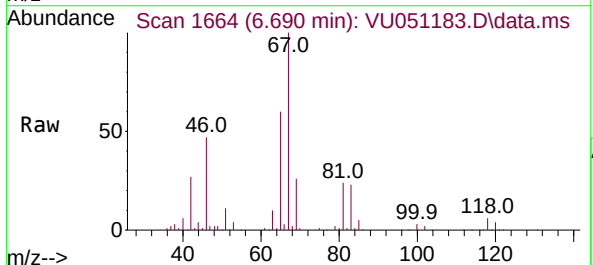
Instrument :
MSVOA_U
ClientSampleId :
F5J14

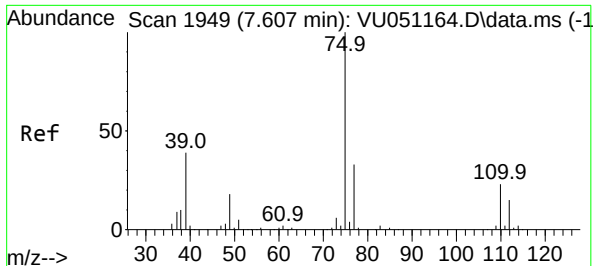
Tgt Ion:	73	Resp:	5016
Ion	Ratio	Lower	Upper
73	100		
43	22.1	14.7	22.1
57	23.6	17.5	26.3



#37
1,2-Dichloropropane
Concen: 6.205 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

Tgt Ion:	63	Resp:	17703
Ion	Ratio	Lower	Upper
63	100		
112	0.6	3.3	4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.895 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU051183.D

Acq: 06 Oct 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

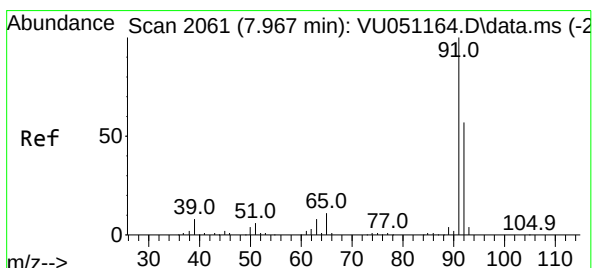
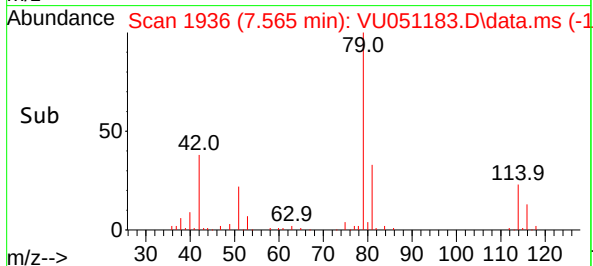
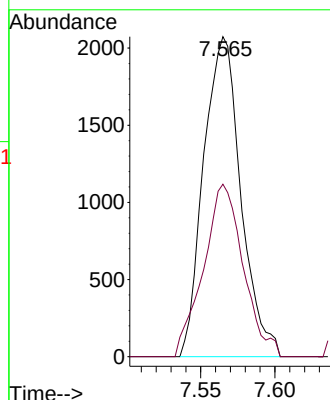
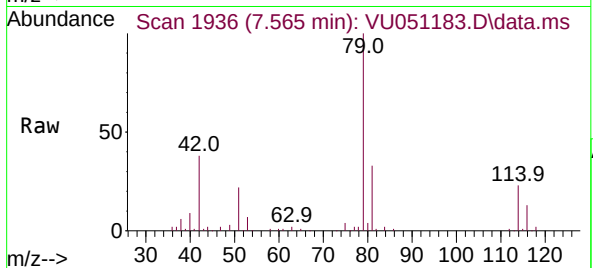
F5J14

Tgt Ion: 75 Resp: 3617

Ion Ratio Lower Upper

75 100

77 53.9 22.0 41.0#



#42

Toluene

Concen: 1.164 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU051183.D

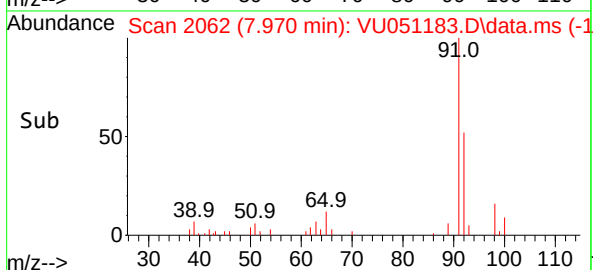
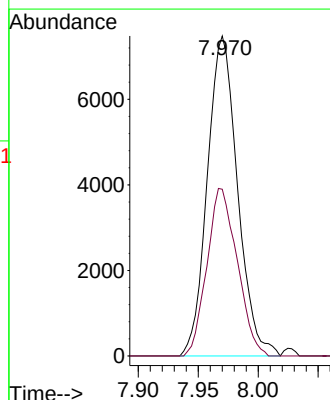
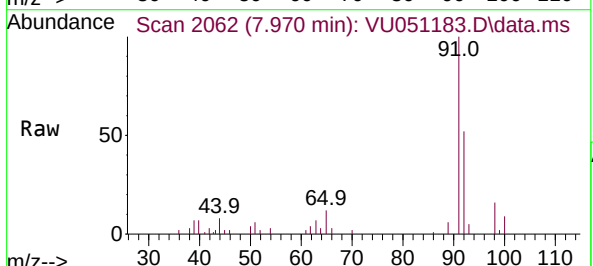
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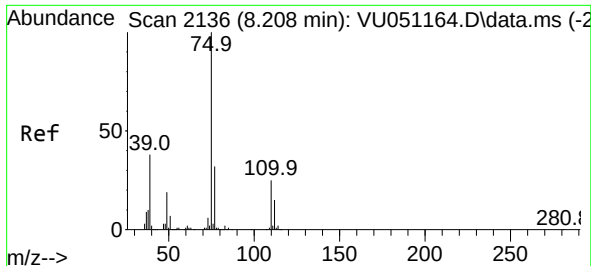
Tgt Ion: 91 Resp: 13112

Ion Ratio Lower Upper

91 100

92 52.1 40.1 74.5

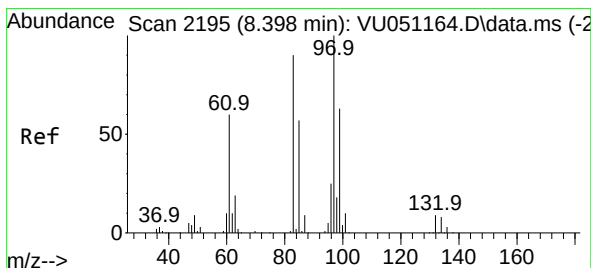
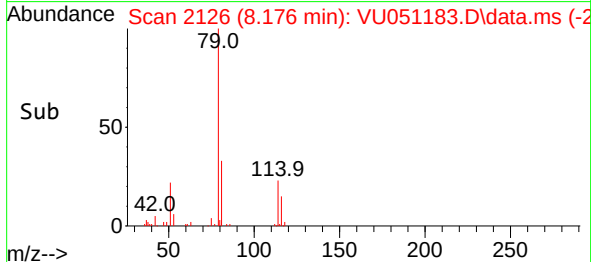
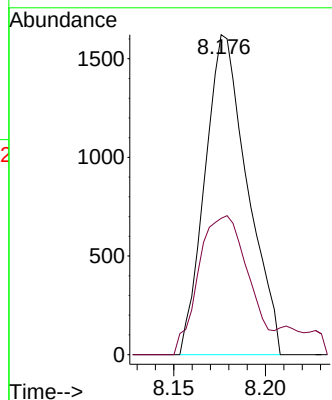
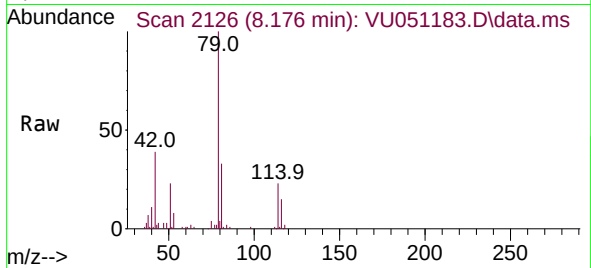




#44
trans-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 8.176 min Scan# 2136
Delta R.T. -0.032 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

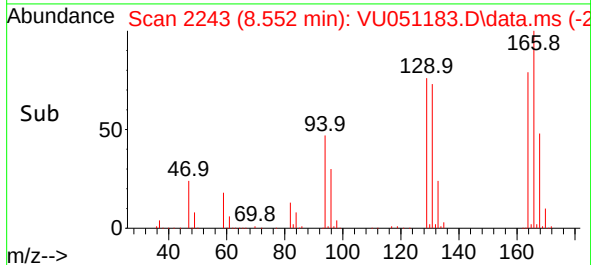
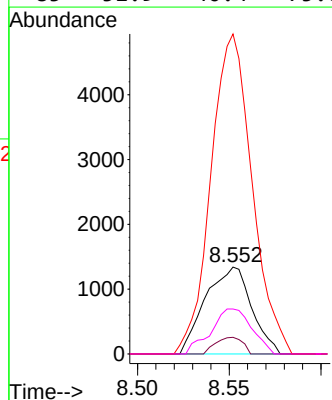
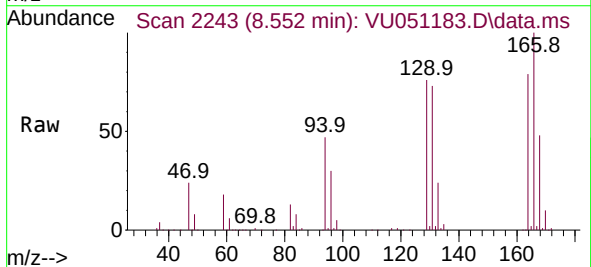
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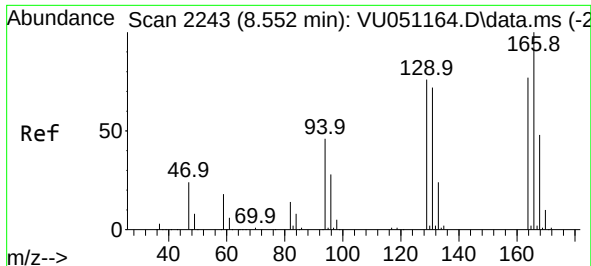
Tgt Ion: 75 Resp: 2609
Ion Ratio Lower Upper
75 100
77 42.6 22.7 42.3#



#45
1,1,2-Trichloroethane
Concen: 0.758 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.154 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 97 Resp: 2342
Ion Ratio Lower Upper
97 100
99 19.1 44.4 82.4#
83 368.4 61.7 114.5#
85 51.9 40.4 75.0

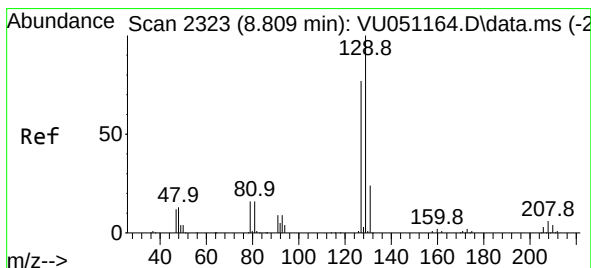
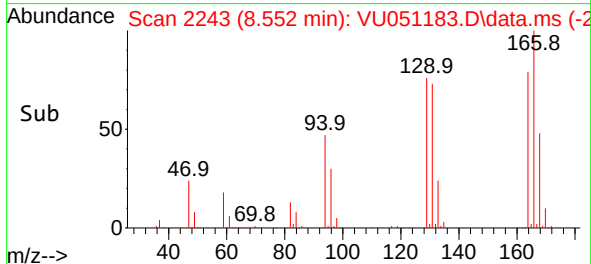
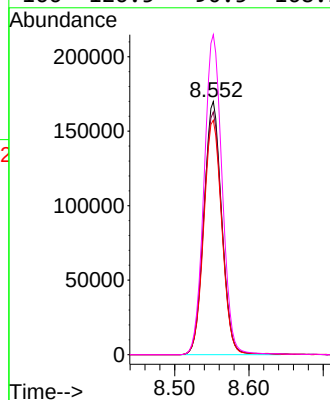
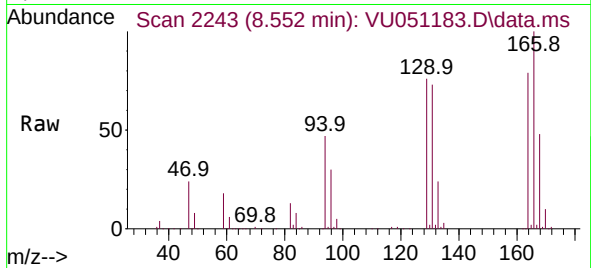




#46
Tetrachloroethene
Concen: 136.200 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

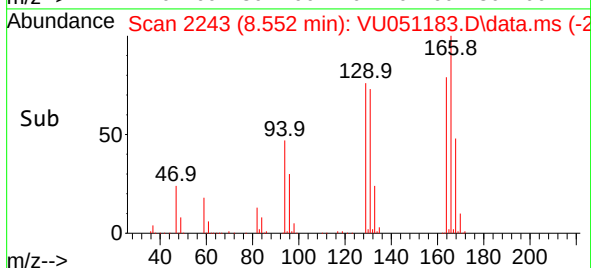
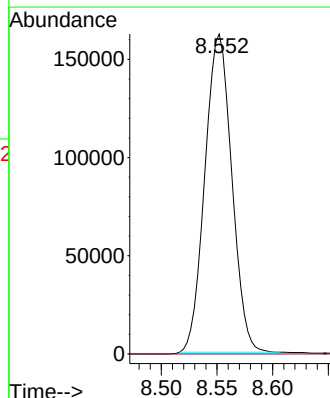
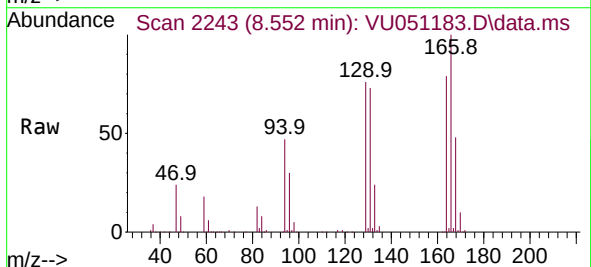
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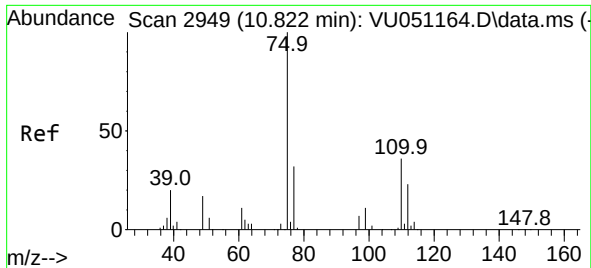
Tgt Ion:164 Resp: 283246
Ion Ratio Lower Upper
164 100
129 95.9 68.1 126.5
131 92.6 67.8 126.0
166 126.5 90.5 168.1



#49
Dibromochloromethane
Concen: 83.774 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU051183.D
Acq: 06 Oct 2022 19:42

Tgt Ion:129 Resp: 272201
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.0#





#60
 1,2,3-Trichloropropane
 Concen: 4.793 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU051183.D
 Acq: 06 Oct 2022 19:42

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J14

Tgt Ion: 75 Resp: 14780
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.1 39.1
 110 2.1 30.0 45.0#

