

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051203.D
 Acq On : 07 Oct 2022 04:00
 Operator : JC/MD
 Sample : N4893-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J21

Quant Time: Oct 07 06:31:53 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)

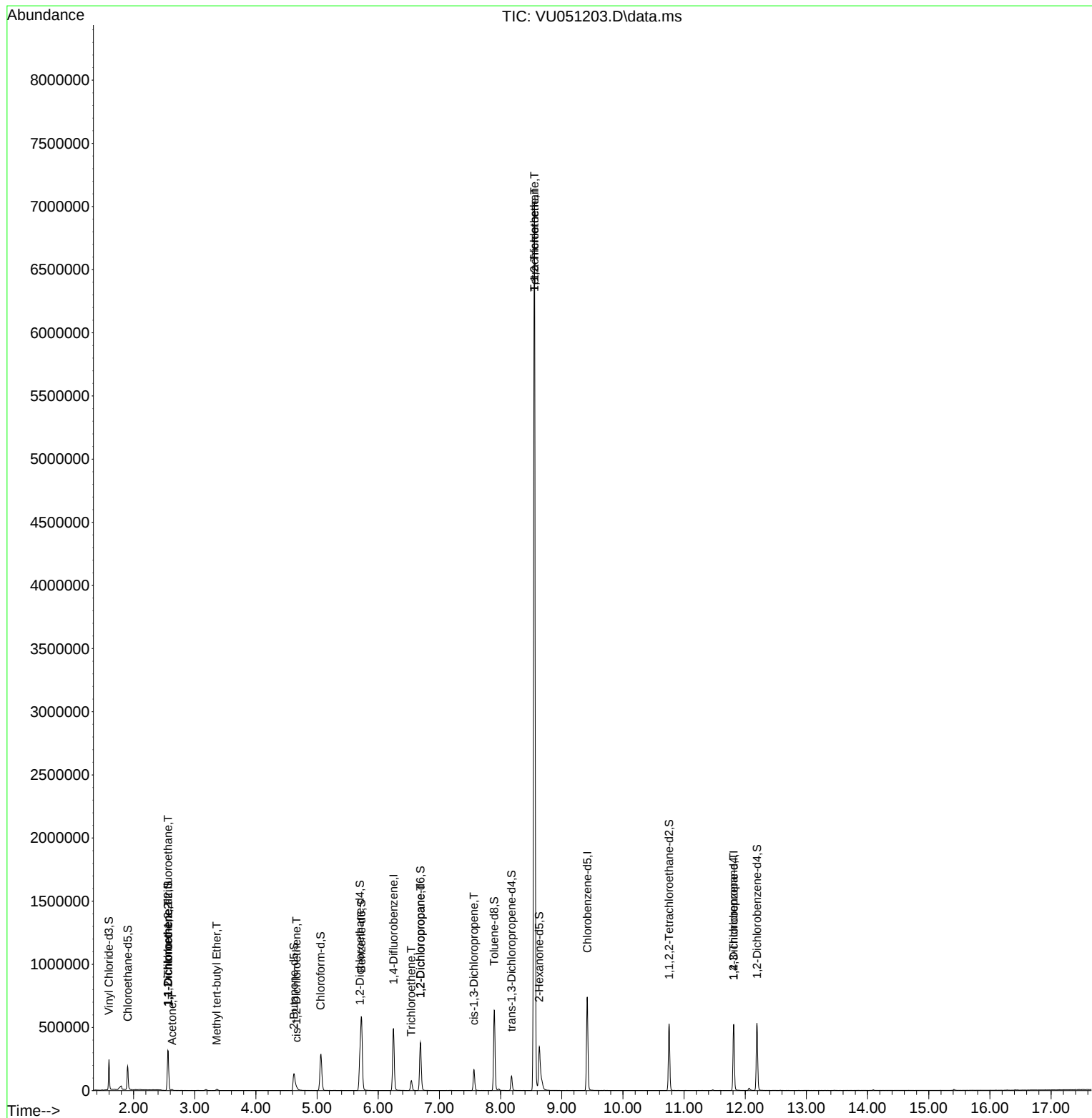
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	393332	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	413651	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	141850	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	158758	39.827	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.660%		
7) Chloroethane-d5	1.903	69	139393	37.644	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.280%		
11) 1,1-Dichloroethene-d2	2.562	63	187185	31.789	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.580%		
21) 2-Butanone-d5	4.620	46	189647	73.353	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	73.350%		
24) Chloroform-d	5.060	84	271619	42.293	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.580%		
26) 1,2-Dichloroethane-d4	5.700	65	175408	44.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.260%		
32) Benzene-d6	5.726	84	538780	44.479	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.960%		
36) 1,2-Dichloropropane-d6	6.690	67	185695	47.243	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.480%		
41) Toluene-d8	7.896	98	425977	38.062	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.120%#		
43) trans-1,3-Dichloroprop...	8.179	79	64381	34.340	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.680%		
47) 2-Hexanone-d5	8.632	63	93251	58.754	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	58.750%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	267054	38.875	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	77.760%		
66) 1,2-Dichlorobenzene-d4	12.192	152	140567	46.387	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.780%		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1779	0.592	ug/L #	20
12) 1,1-Dichloroethene	2.565	96	1459	0.520	ug/L #	1
13) Acetone	2.629	43	8449	4.092	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	9032	0.996	ug/L #	81
20) cis-1,2-Dichloroethene	4.665	96	6102	1.831	ug/L	97
34) Trichloroethene	6.539	95	26048	7.975	ug/L	98
37) 1,2-Dichloropropane	6.690	63	19350	5.698	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	3754	0.781	ug/L #	39
45) 1,1,2-Trichloroethane	8.552	97	13599	3.697	ug/L #	1
46) Tetrachloroethene	8.552	164	1536773	620.834	ug/L	99
60) 1,2,3-Trichloropropane	11.809	75	18100	4.849	ug/L #	66

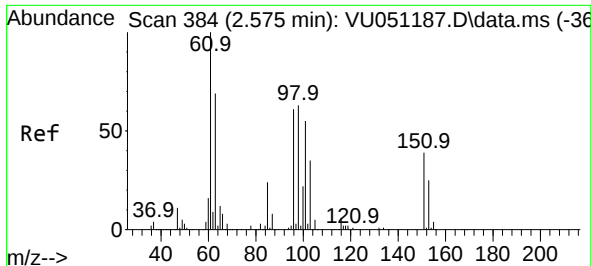
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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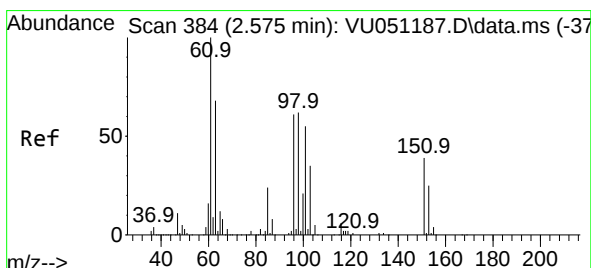
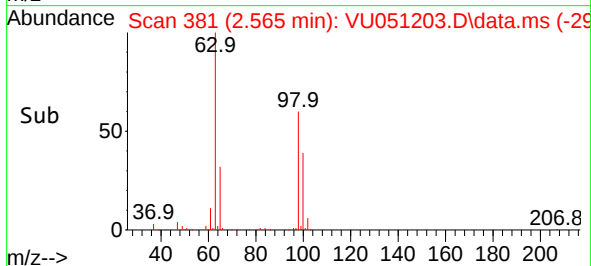
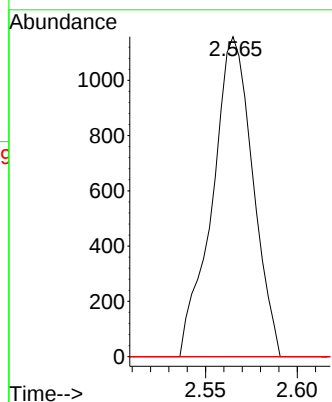
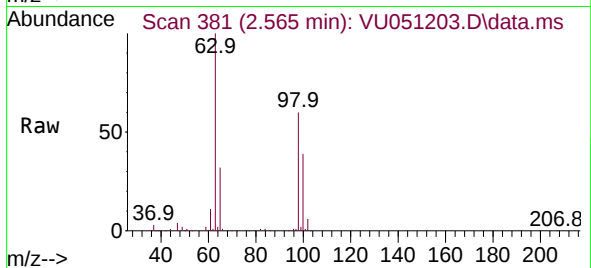




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.592 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU051203.D
 Acq: 07 Oct 2022 04:00

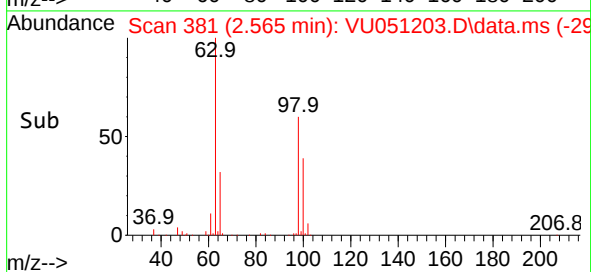
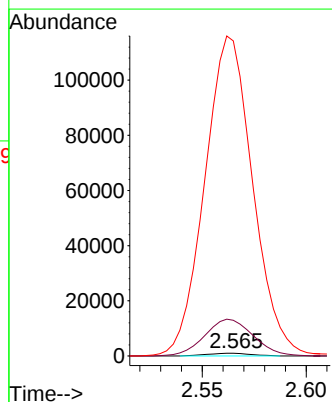
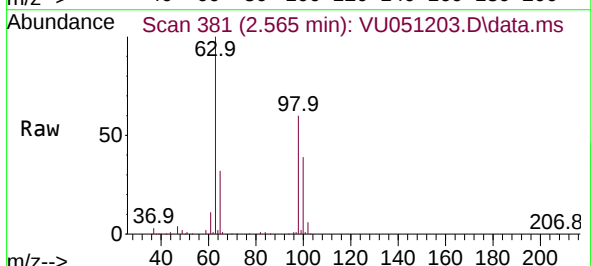
Instrument :
 MSVOA_U
 ClientSampleId :
 F5J21

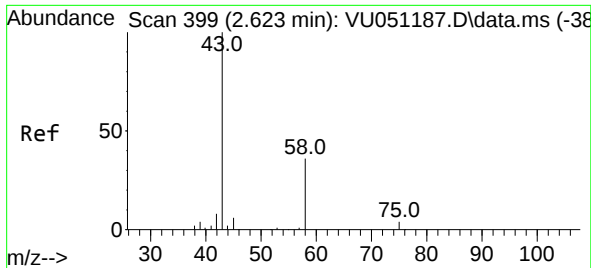
Tgt Ion:101 Resp: 1779
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 0.0 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.520 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU051203.D
 Acq: 07 Oct 2022 04:00

Tgt Ion: 96 Resp: 1459
 Ion Ratio Lower Upper
 96 100
 61 1289.7 113.0 209.9#
 63 11375.3 91.7 170.3#





#13

Acetone

Concen: 4.092 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU051203.D

Acq: 07 Oct 2022 04:00

Instrument :

MSVOA_U

ClientSampleId :

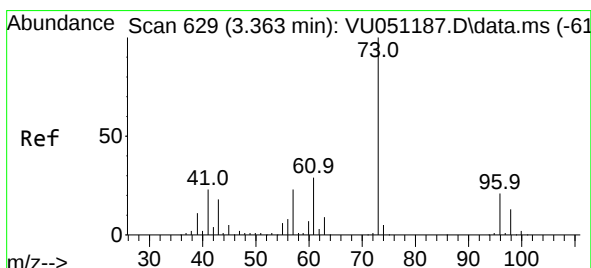
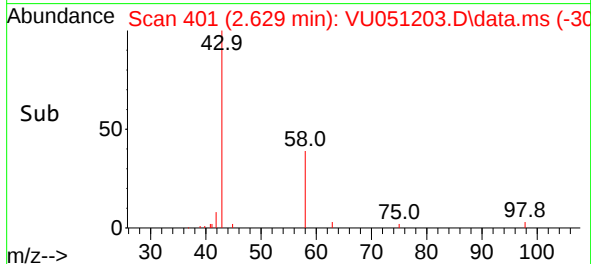
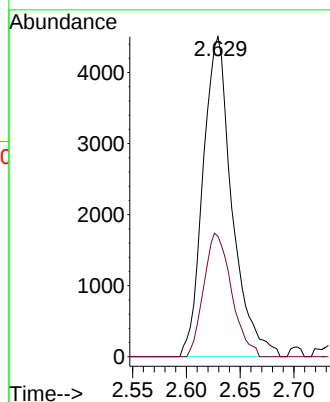
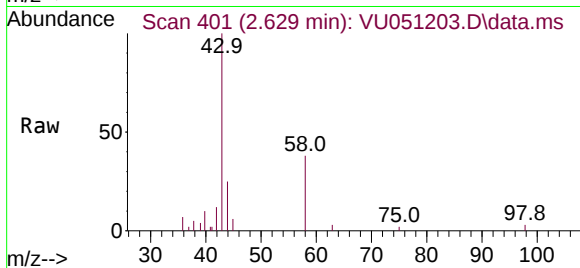
F5J21

Tgt Ion: 43 Resp: 8449

Ion Ratio Lower Upper

43 100

58 36.9 0.0 73.6



#18

Methyl tert-butyl Ether

Concen: 0.996 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU051203.D

Acq: 07 Oct 2022 04:00

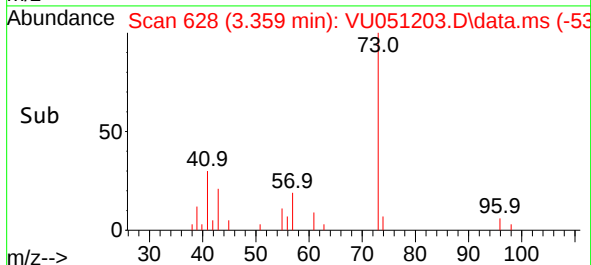
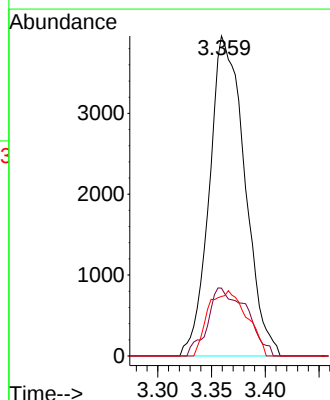
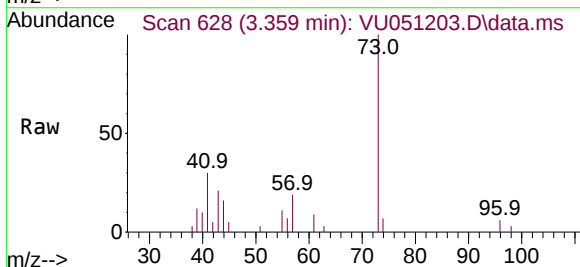
Tgt Ion: 73 Resp: 9032

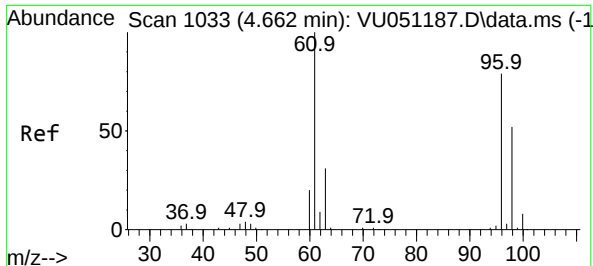
Ion Ratio Lower Upper

73 100

43 18.1 14.7 22.1

57 5.8 17.5 26.3#

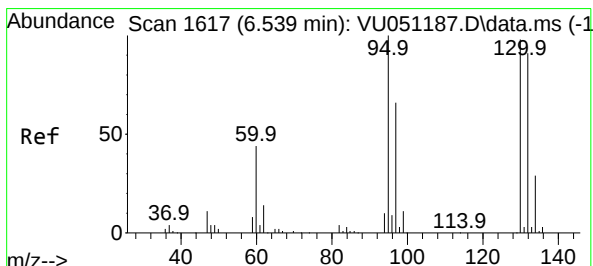
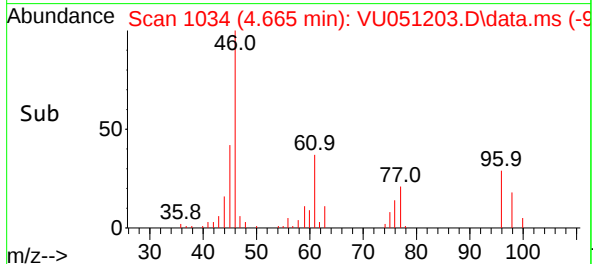
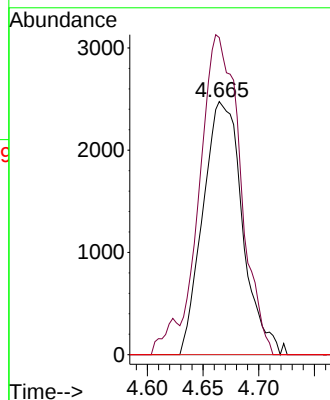
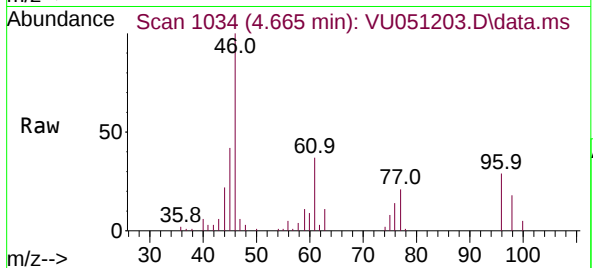




#20
cis-1,2-Dichloroethene
Concen: 1.831 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU051203.D
Acq: 07 Oct 2022 04:00

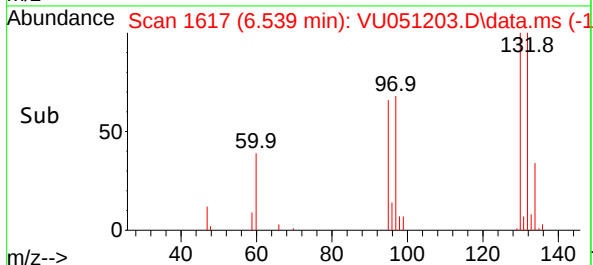
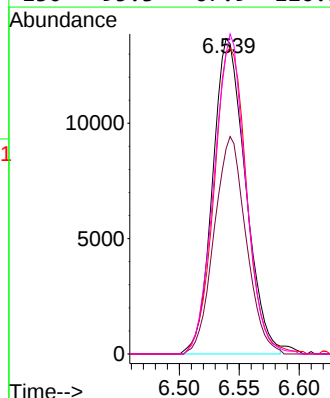
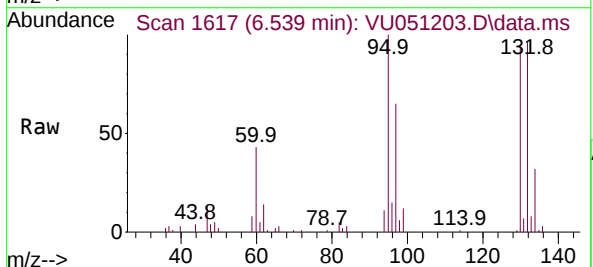
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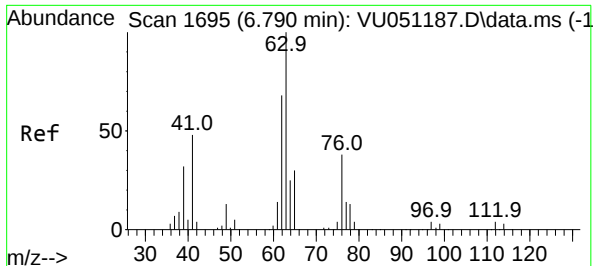
Tgt Ion: 96 Resp: 6102
Ion Ratio Lower Upper
96 100
61 125.3 85.4 158.6
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 7.975 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051203.D
Acq: 07 Oct 2022 04:00

Tgt Ion: 95 Resp: 26048
Ion Ratio Lower Upper
95 100
97 65.2 45.9 85.3
132 95.5 64.0 119.0
130 95.3 67.9 126.1





#37

1,2-Dichloropropane

Concen: 5.698 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051203.D

Acq: 07 Oct 2022 04:00

Instrument :

MSVOA_U

ClientSampleId :

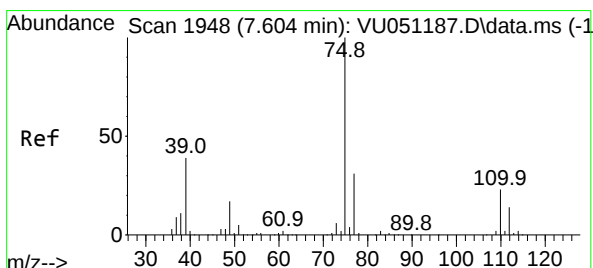
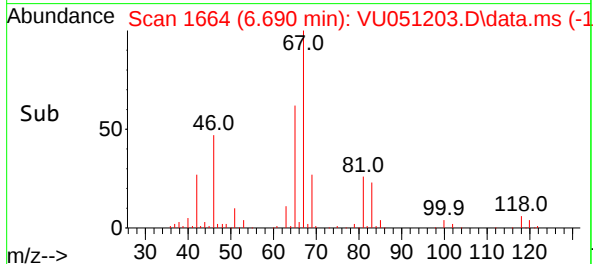
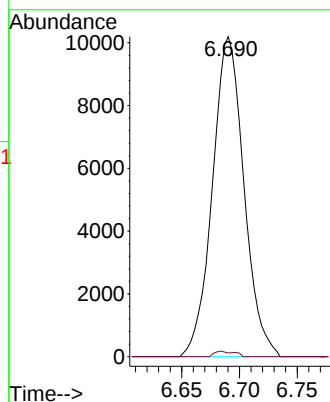
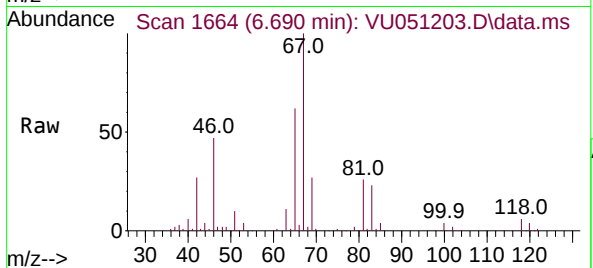
F5J21

Tgt Ion: 63 Resp: 19350

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.781 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.039 min

Lab File: VU051203.D

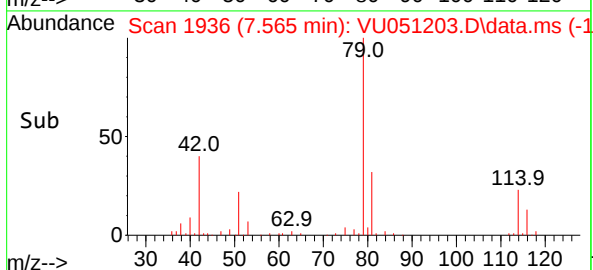
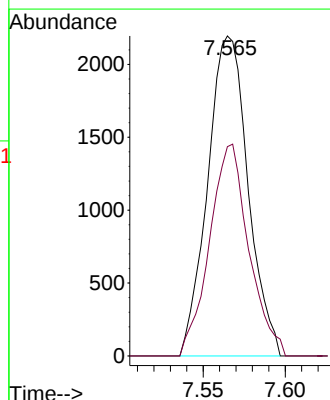
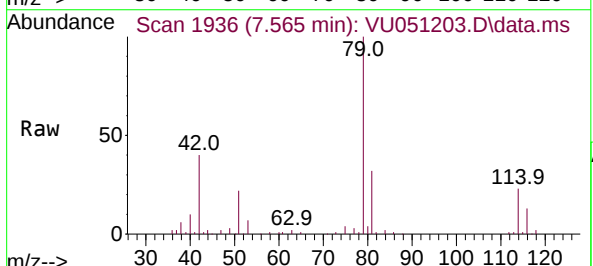
Acq: 07 Oct 2022 04:00

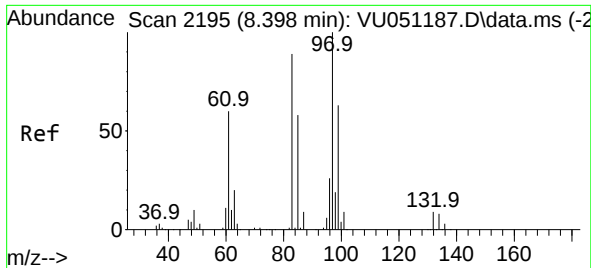
Tgt Ion: 75 Resp: 3754

Ion Ratio Lower Upper

75 100

77 65.4 22.0 41.0#



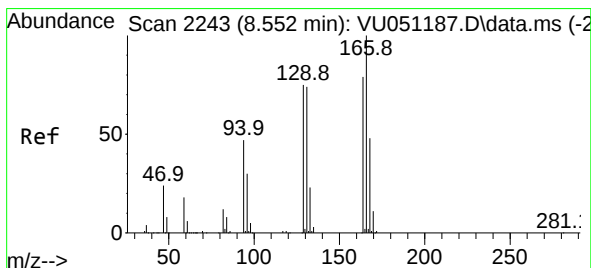
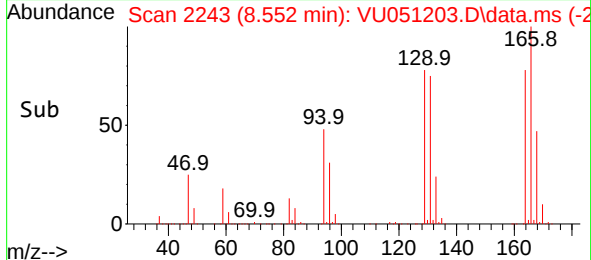
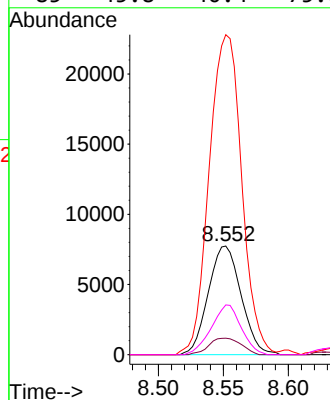
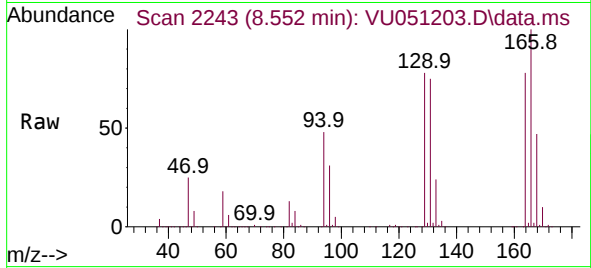


#45
1,1,2-Trichloroethane
Concen: 3.697 ug/L
RT: 8.552 min Scan# 2195
Delta R.T. 0.154 min
Lab File: VU051203.D
Acq: 07 Oct 2022 04:00

Instrument :
MSVOA_U
ClientSampleId :
F5J21

Tgt Ion: 97 Resp: 13599

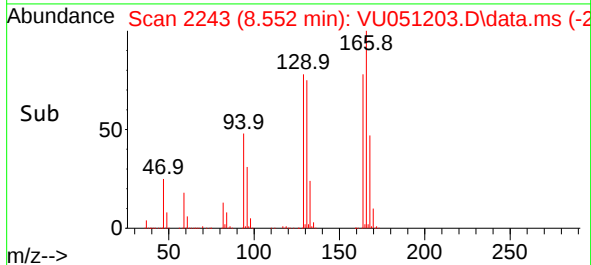
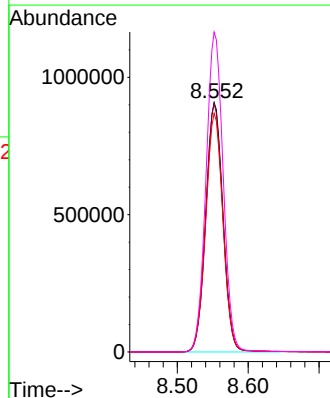
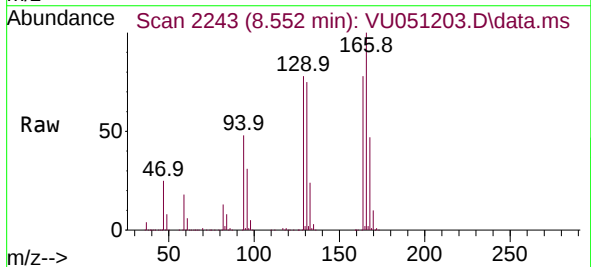
Ion	Ratio	Lower	Upper
97	100		
99	15.1	44.4	82.4#
83	294.4	61.7	114.5#
85	45.8	40.4	75.0

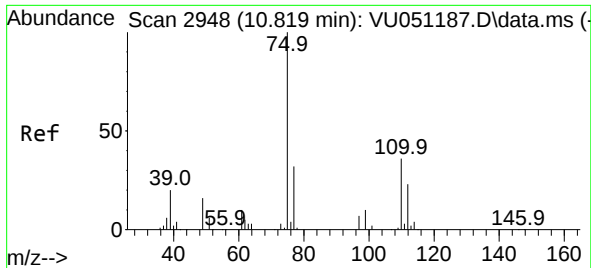


#46
Tetrachloroethene
Concen: 620.834 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051203.D
Acq: 07 Oct 2022 04:00

Tgt Ion: 164 Resp: 1536773

Ion	Ratio	Lower	Upper
164	100		
129	99.6	68.1	126.5
131	95.6	67.8	126.0
166	128.3	90.5	168.1





#60
 1,2,3-Trichloropropane
 Concen: 4.849 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU051203.D
 Acq: 07 Oct 2022 04:00

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 18100
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.1 39.1
 110 1.6 30.0 45.0#

