

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
 Data File : VU051065.D
 Acq On : 01 Oct 2022 03:49
 Operator : JC/MD
 Sample : N4869-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 01 04:32:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 03:04:59 2022
 Response via : Initial Calibration

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

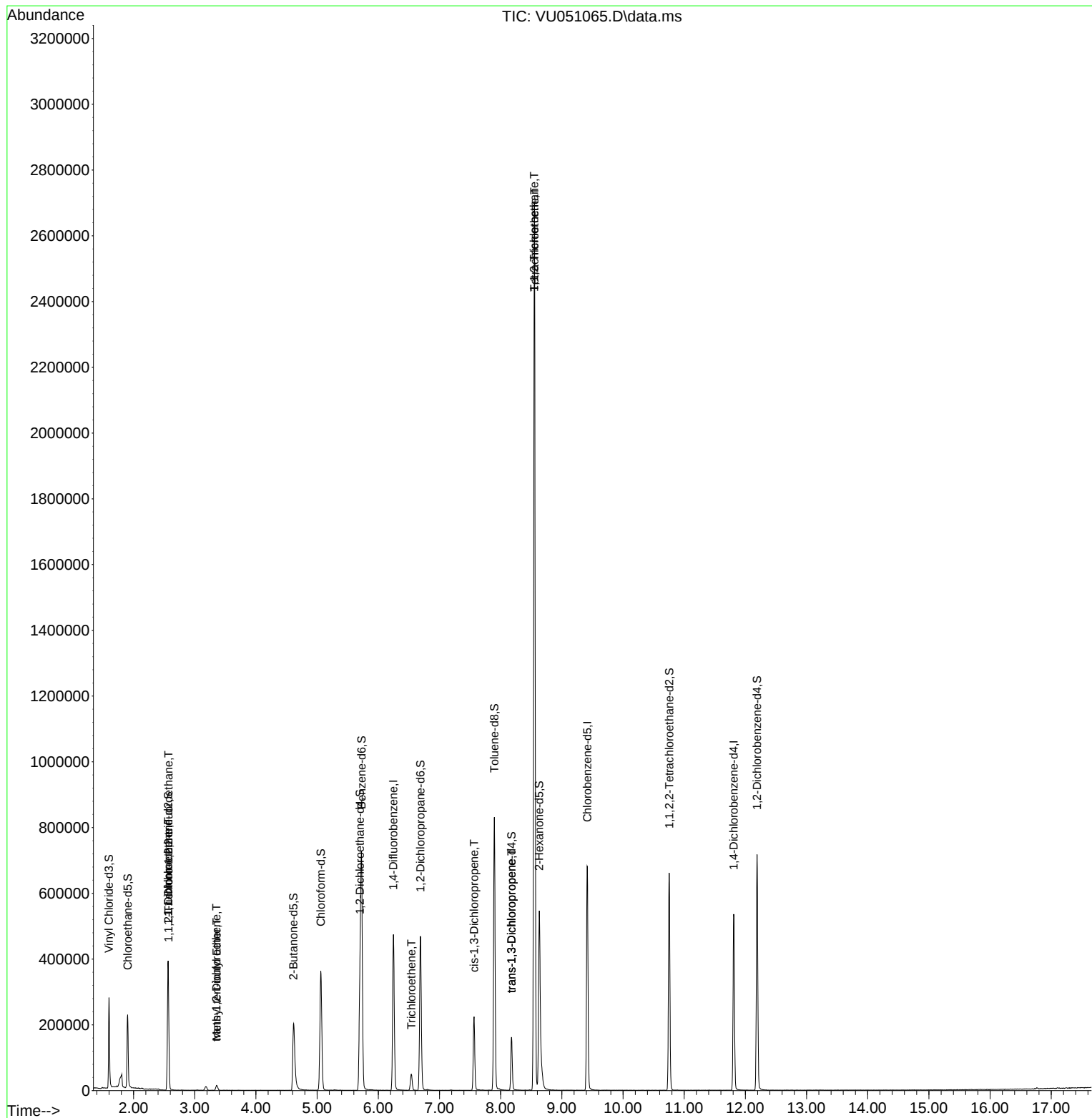
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	373015	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	376181	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	141381	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	198231	52.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.880%			
7) Chloroethane-d5	1.903	69	171011	48.699	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.400%			
11) 1,1-Dichloroethene-d2	2.565	63	232135	41.571	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.140%			
21) 2-Butanone-d5	4.613	46	282288	115.132	ug/L	-0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.130%			
24) Chloroform-d	5.060	84	332055	54.520	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.040%			
26) 1,2-Dichloroethane-d4	5.700	65	217766	57.765	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.540%			
32) Benzene-d6	5.726	84	677236	61.478	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 122.960%			
36) 1,2-Dichloropropane-d6	6.687	67	228568	63.942	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 127.880%#			
41) Toluene-d8	7.896	98	550099	54.048	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.100%			
43) trans-1,3-Dichloroprop...	8.176	79	90492	53.075	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.160%			
47) 2-Hexanone-d5	8.629	63	163827	113.504	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.500%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	339074	54.275	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.560%			
66) 1,2-Dichlorobenzene-d4	12.192	152	184415	61.059	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 122.120%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	2531	0.889	ug/L #	22
12) 1,1-Dichloroethene	2.568	96	1709	0.642	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	1679	0.593	ug/L	83
18) Methyl tert-butyl Ether	3.359	73	12853	1.495	ug/L #	90
34) Trichloroethene	6.539	95	15970	5.376	ug/L	95
39) cis-1,3-Dichloropropene	7.565	75	5495	1.256	ug/L #	65
44) trans-1,3-Dichloropropene	8.179	75	3683	0.833	ug/L #	69
45) 1,1,2-Trichloroethane	8.549	97	5178	1.548	ug/L #	1
46) Tetrachloroethene	8.552	164	571430	253.843	ug/L	98

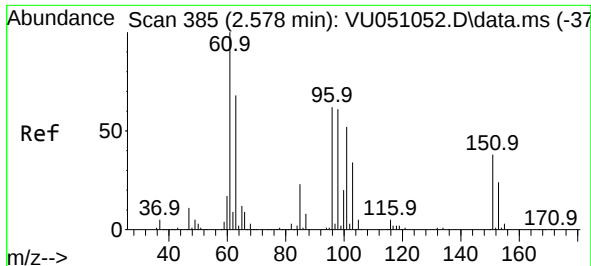
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

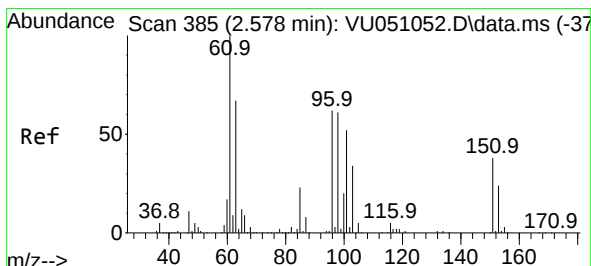
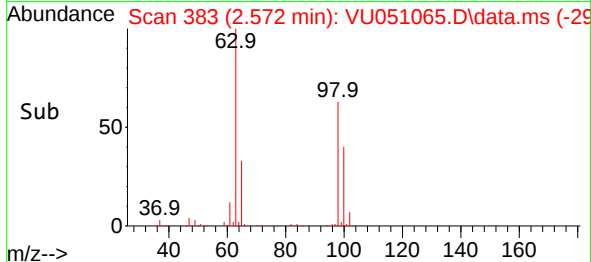
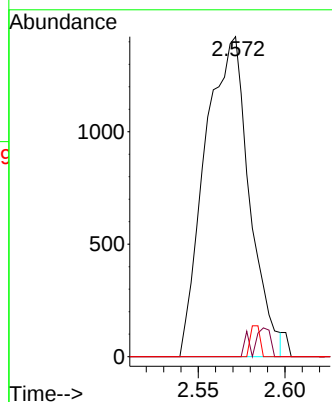
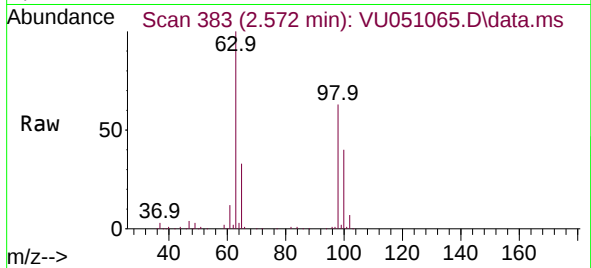




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.889 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU051065.D
 Acq: 01 Oct 2022 03:49

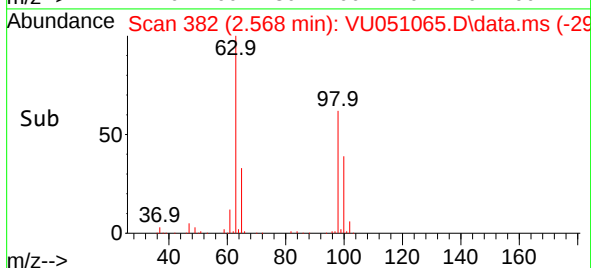
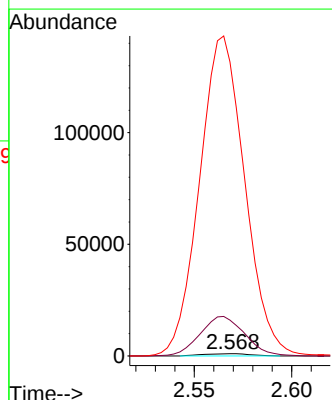
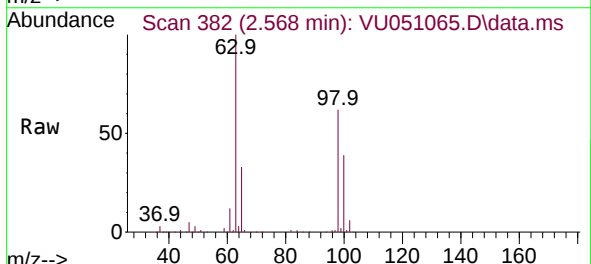
Instrument :
 MSVOA_U
 ClientSampleId :

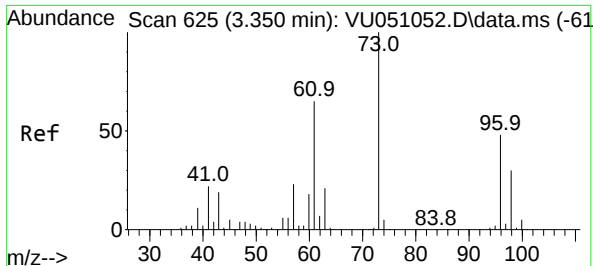
Tgt Ion:101 Resp: 2531
 Ion Ratio Lower Upper
 101 100
 85 0.9 34.6 52.0#
 151 2.1 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.642 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU051065.D
 Acq: 01 Oct 2022 03:49

Tgt Ion: 96 Resp: 1709
 Ion Ratio Lower Upper
 96 100
 61 1594.3 113.0 209.9#
 63 13079.6 91.7 170.3#





#17

trans-1,2-Dichloroethene

Concen: 0.593 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051065.D

Acq: 01 Oct 2022 03:49

Instrument :

MSVOA_U

ClientSampleId :

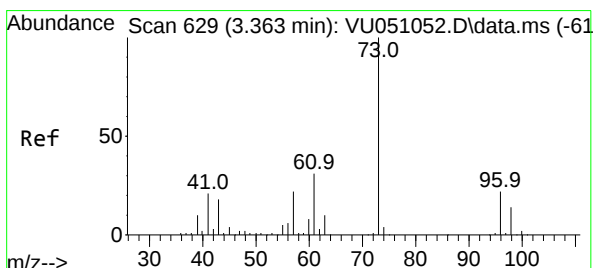
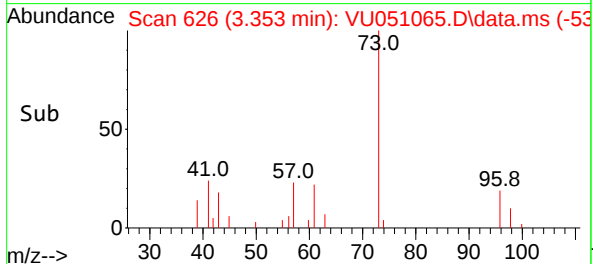
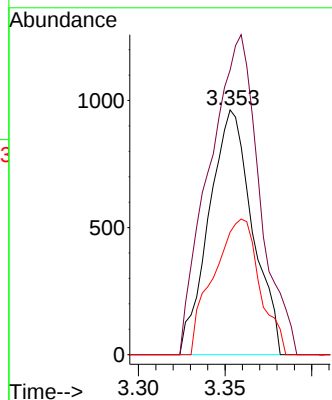
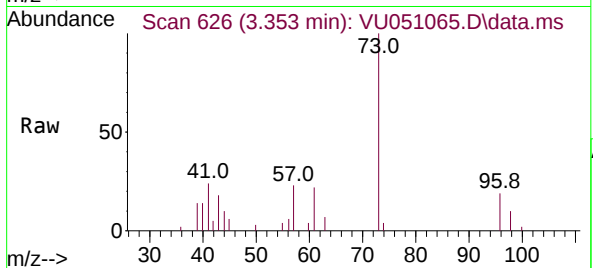
Tgt Ion: 96 Resp: 1679

Ion Ratio Lower Upper

96 100

61 116.3 95.1 176.5

98 50.1 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 1.495 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU051065.D

Acq: 01 Oct 2022 03:49

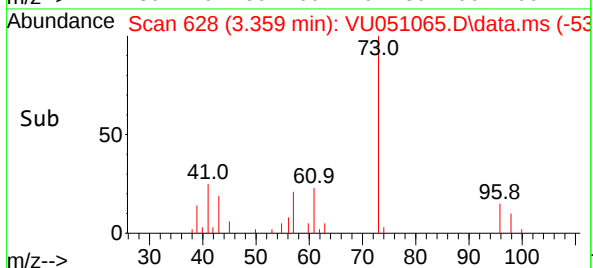
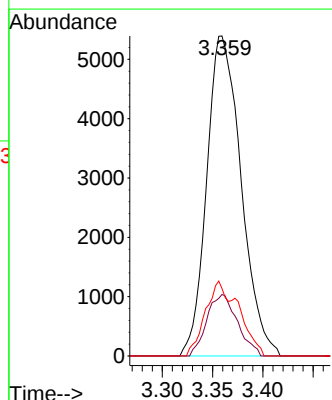
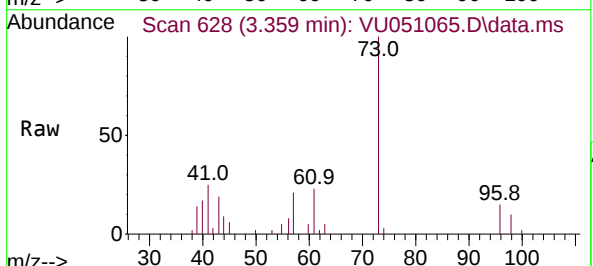
Tgt Ion: 73 Resp: 12853

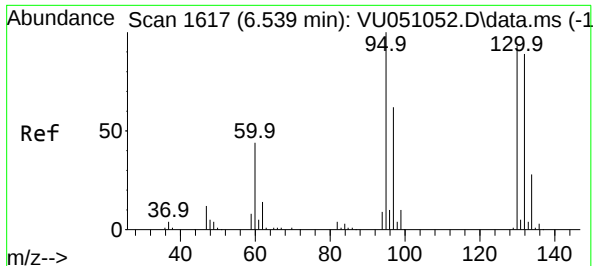
Ion Ratio Lower Upper

73 100

43 17.1 14.7 22.1

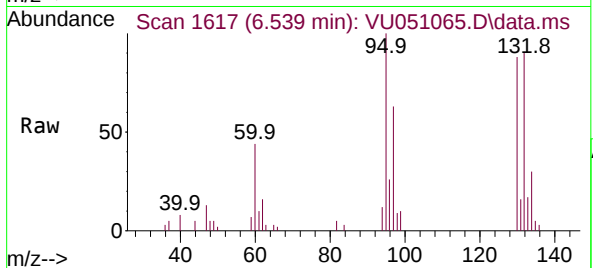
57 14.6 17.5 26.3#



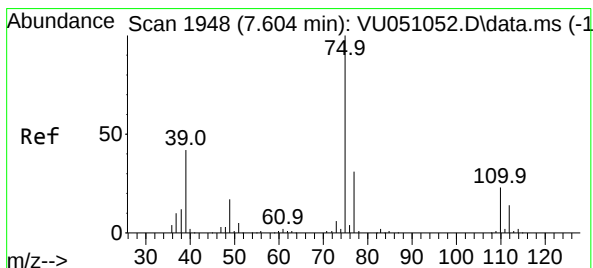
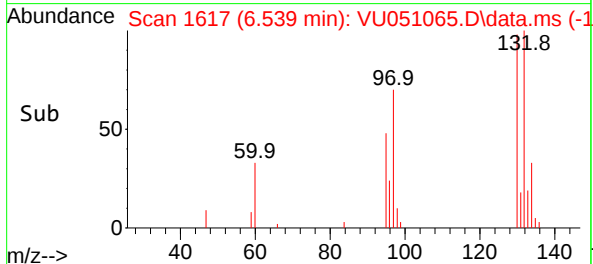
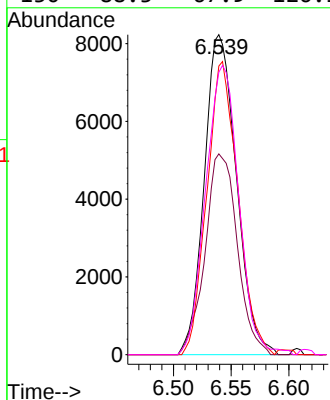


#34
Trichloroethene
Concen: 5.376 ug/L
RT: 6.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051065.D
Acq: 01 Oct 2022 03:49

Instrument :
MSVOA_U
ClientSampleId :

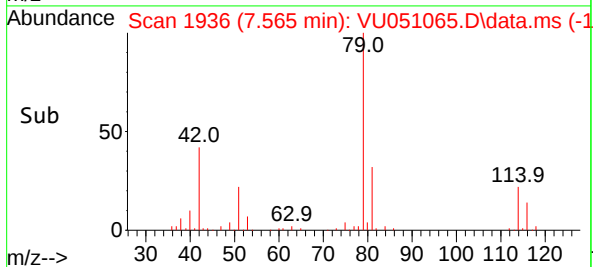
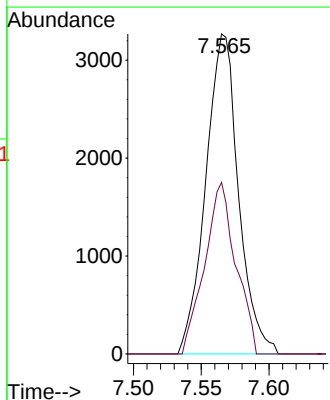
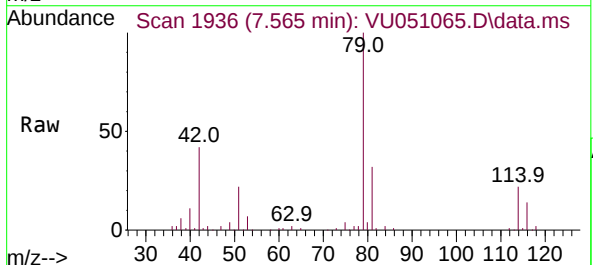


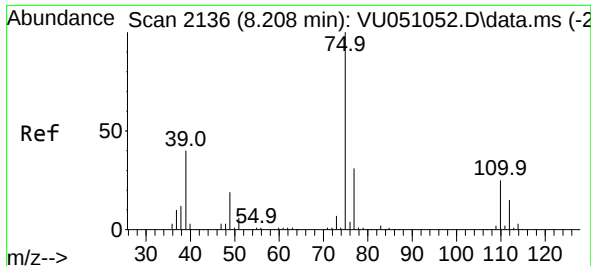
Tgt Ion:	95	Resp:	15970
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.9	85.3
132	90.2	64.0	119.0
130	88.3	67.9	126.1



#39
cis-1,3-Dichloropropene
Concen: 1.256 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.039 min
Lab File: VU051065.D
Acq: 01 Oct 2022 03:49

Tgt Ion:	75	Resp:	5495
Ion	Ratio	Lower	Upper
75	100		
77	50.8	22.0	41.0#

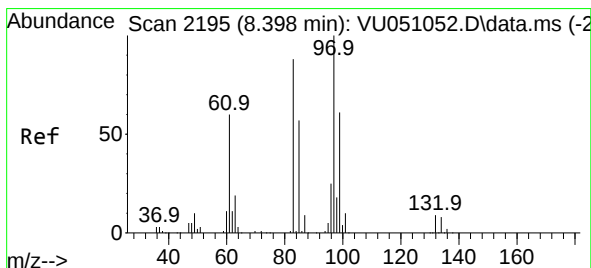
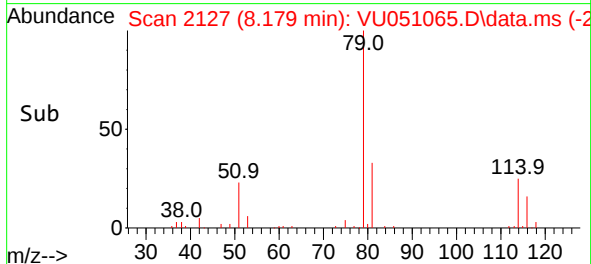
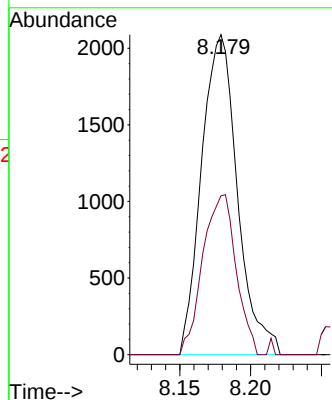
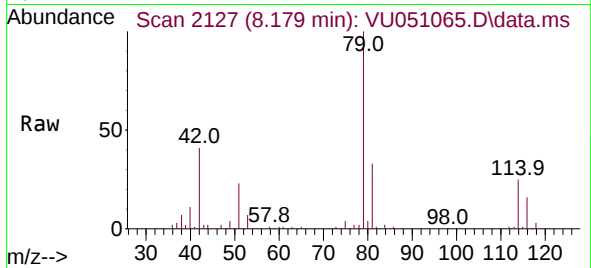




#44
trans-1,3-Dichloropropene
Concen: 0.833 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU051065.D
Acq: 01 Oct 2022 03:49

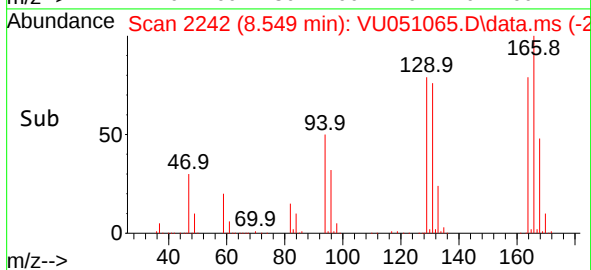
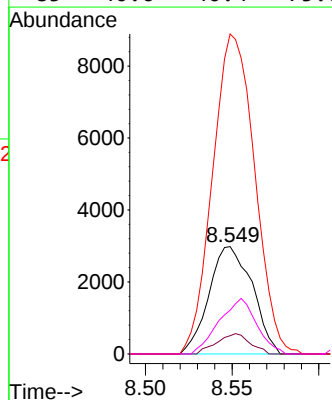
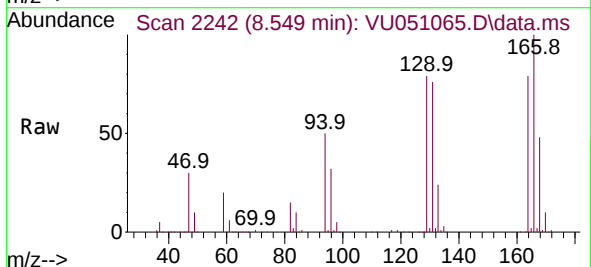
Instrument :
MSVOA_U
ClientSampleId :

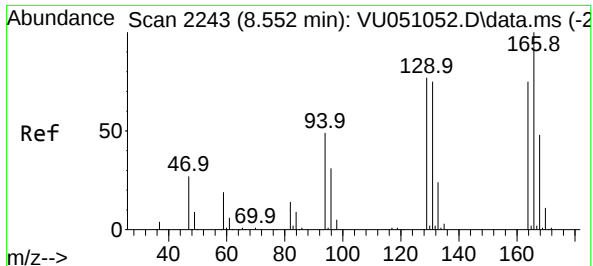
Tgt Ion: 75 Resp: 3683
Ion Ratio Lower Upper
75 100
77 49.6 22.7 42.3#



#45
1,1,2-Trichloroethane
Concen: 1.548 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.151 min
Lab File: VU051065.D
Acq: 01 Oct 2022 03:49

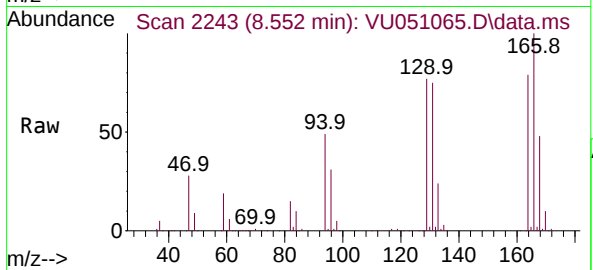
Tgt Ion: 97 Resp: 5178
Ion Ratio Lower Upper
97 100
99 17.0 44.4 82.4#
83 297.9 61.7 114.5#
85 40.6 40.4 75.0





#46
Tetrachloroethene
Concen: 253.843 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051065.D
Acq: 01 Oct 2022 03:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	164	Resp:	571430
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.1	126.5
131	95.2	67.8	126.0
166	127.1	90.5	168.1

