

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092922\
 Data File : VU050996.D
 Acq On : 29 Sep 2022 22:01
 Operator : JC/MD
 Sample : N4869-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 01:52:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:30:03 2022
 Response via : Initial Calibration

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

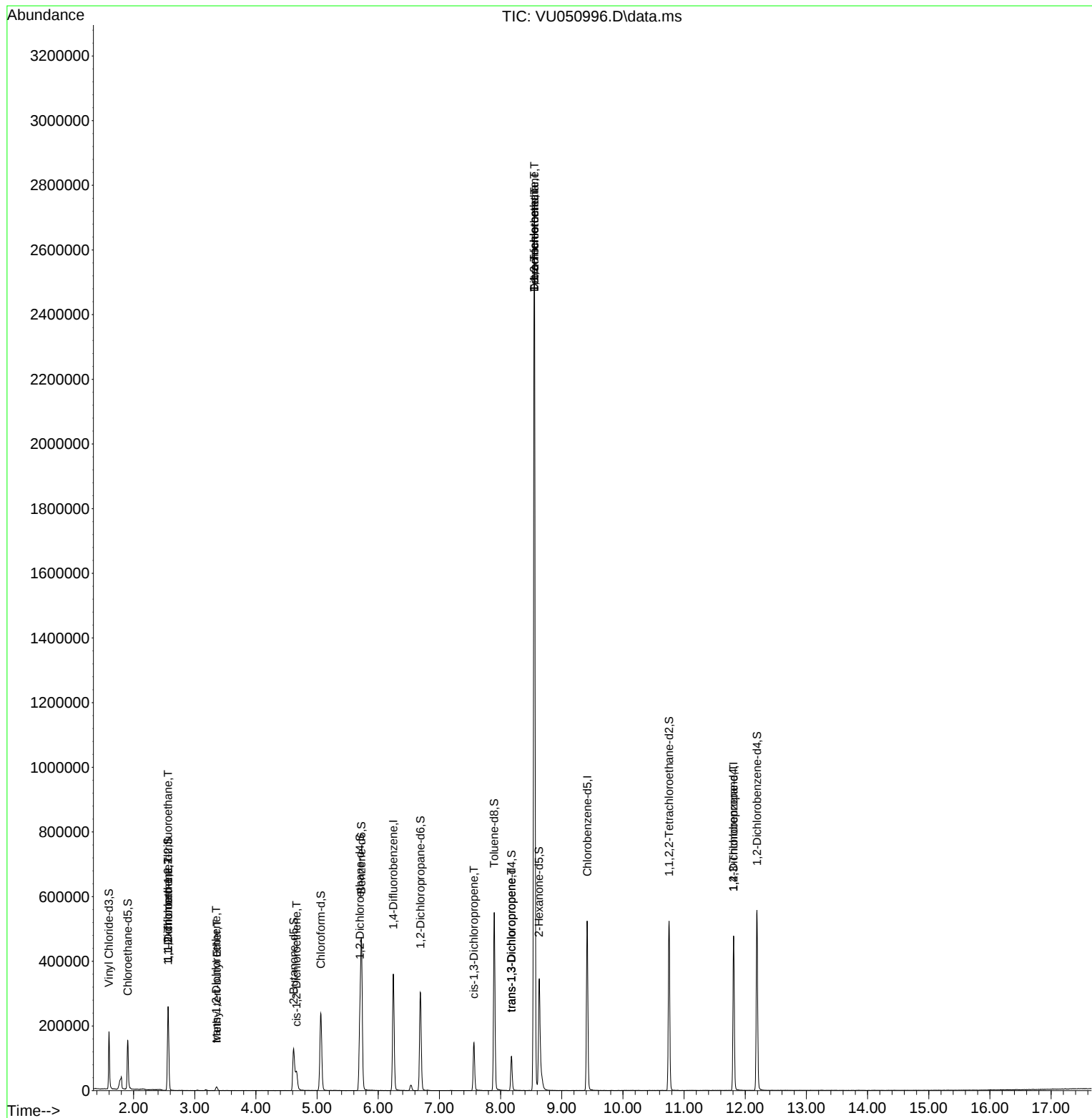
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	290287	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	293857	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124654	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	129722	44.095	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.180%		
7) Chloroethane-d5	1.903	69	116065	42.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.940%		
11) 1,1-Dichloroethene-d2	2.565	63	149344	34.366	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.740%		
21) 2-Butanone-d5	4.616	46	177369	92.957	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.960%		
24) Chloroform-d	5.060	84	220946	46.615	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.240%		
26) 1,2-Dichloroethane-d4	5.700	65	143011	48.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.500%		
32) Benzene-d6	5.726	84	442902	51.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.940%		
36) 1,2-Dichloropropane-d6	6.690	67	147119	52.687	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.380%		
41) Toluene-d8	7.896	98	361094	45.417	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.840%		
43) trans-1,3-Dichloroprop...	8.179	79	58585	43.988	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.980%		
47) 2-Hexanone-d5	8.629	63	102917	91.279	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.280%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	268206	54.959	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.920%		
66) 1,2-Dichlorobenzene-d4	12.192	152	146245	54.918	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.840%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2127	0.960	ug/L #	33
12) 1,1-Dichloroethene	2.562	96	1036	0.500	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	2265	1.028	ug/L	88
18) Methyl tert-butyl Ether	3.363	73	6842	1.022	ug/L #	93
20) cis-1,2-Dichloroethene	4.665	96	25811	10.497	ug/L	98
39) cis-1,3-Dichloropropene	7.565	75	3957	1.158	ug/L #	78
44) trans-1,3-Dichloropropene	8.176	75	2559	0.741	ug/L	91
45) 1,1,2-Trichloroethane	8.549	97	5298	2.027	ug/L #	1
46) Tetrachloroethene	8.552	164	586645	333.610	ug/L	98
49) Dibromochloromethane	8.552	129	555846	202.314	ug/L #	12
60) 1,2,3-Trichloropropane	11.809	75	15480	4.719	ug/L #	68

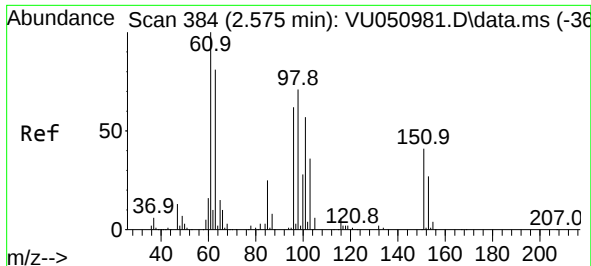
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.960 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.010 min

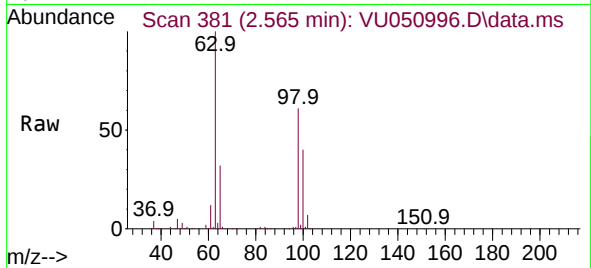
Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

Instrument :

MSVOA_U

ClientSampleId :



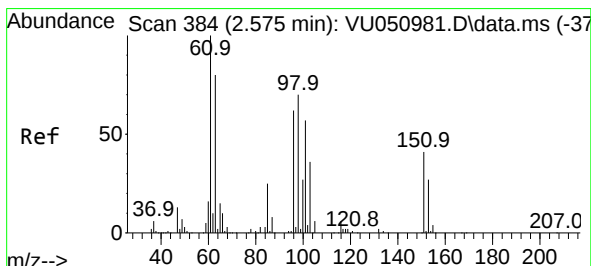
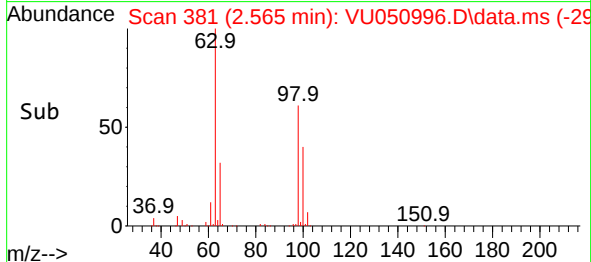
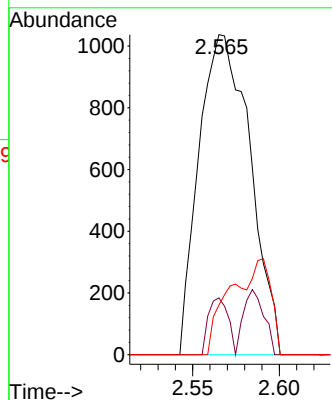
Tgt Ion:101 Resp: 2127

Ion Ratio Lower Upper

101 100

85 6.8 34.6 52.0#

151 12.3 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.500 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

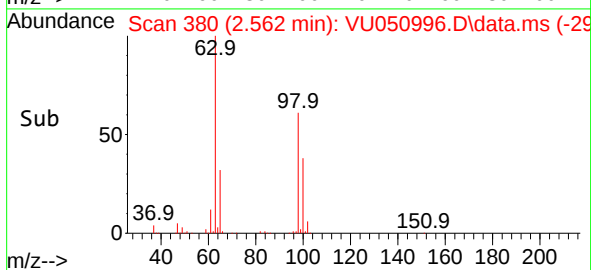
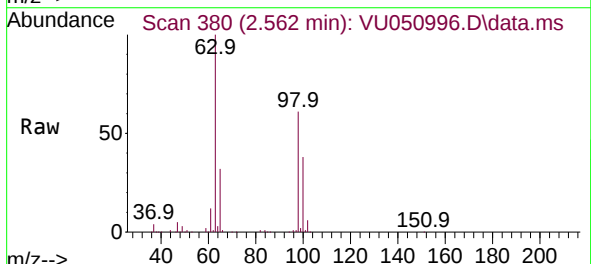
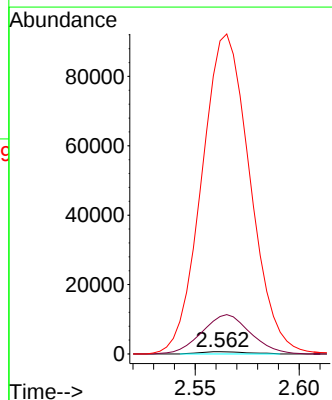
Tgt Ion: 96 Resp: 1036

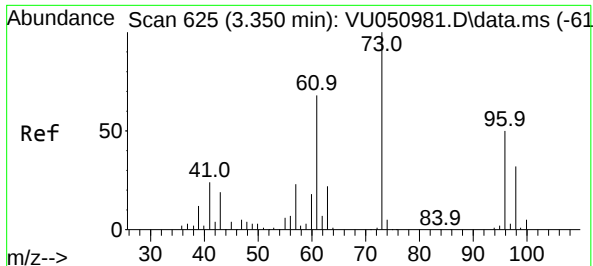
Ion Ratio Lower Upper

96 100

61 1689.8 113.0 209.9#

63 14103.8 91.7 170.3#





#17

trans-1,2-Dichloroethene

Concen: 1.028 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

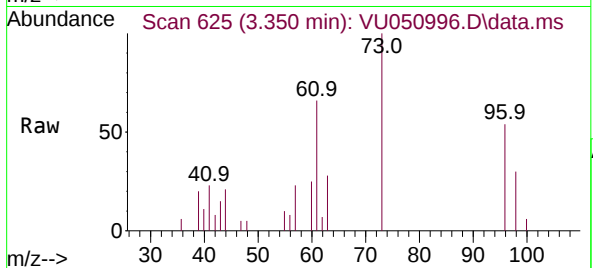
Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

Instrument :

MSVOA_U

ClientSampleId :



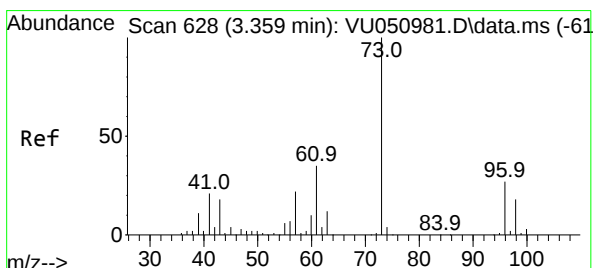
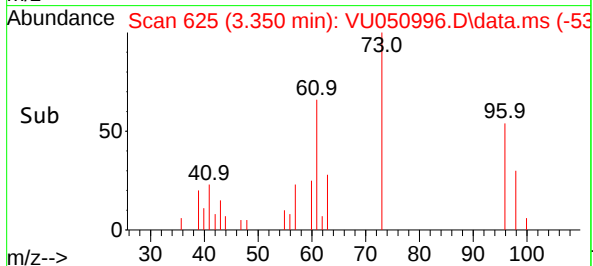
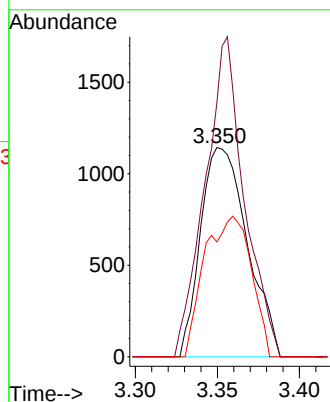
Tgt Ion: 96 Resp: 2265

Ion Ratio Lower Upper

96 100

61 121.3 95.1 176.5

98 54.9 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 1.022 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

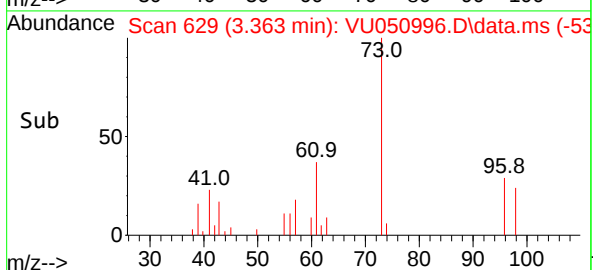
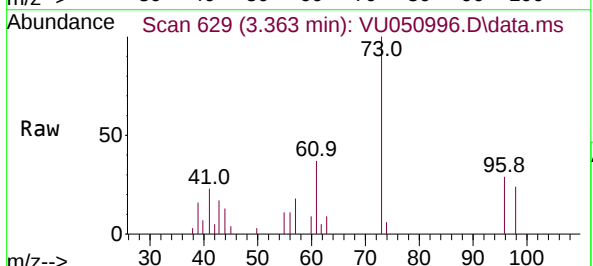
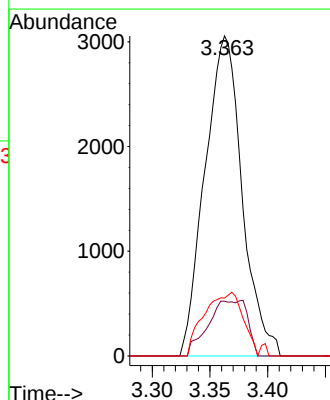
Tgt Ion: 73 Resp: 6842

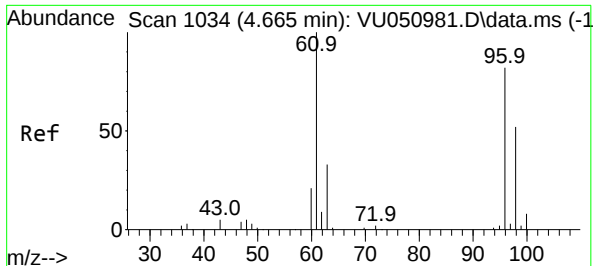
Ion Ratio Lower Upper

73 100

43 13.1 14.7 22.1#

57 20.8 17.5 26.3





#20

cis-1,2-Dichloroethene

Concen: 10.497 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

Instrument :

MSVOA_U

ClientSampleId :

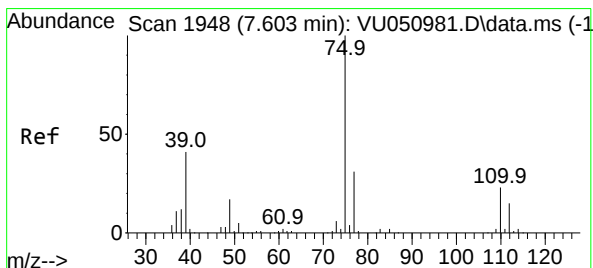
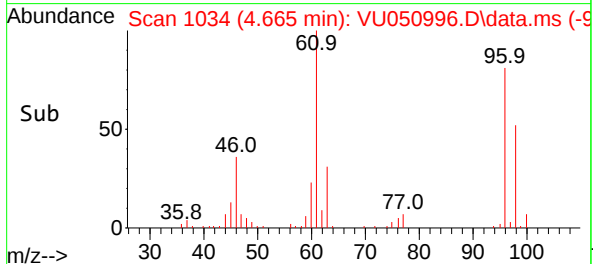
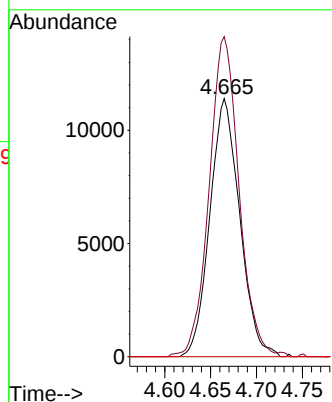
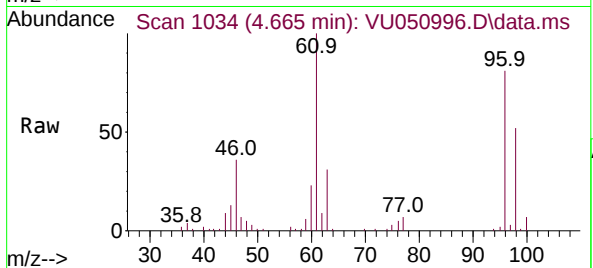
Tgt Ion: 96 Resp: 25811

Ion Ratio Lower Upper

96 100

61 124.0 85.4 158.6

68 0.0 0.0 0.0



#39

cis-1,3-Dichloropropene

Concen: 1.158 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.039 min

Lab File: VU050996.D

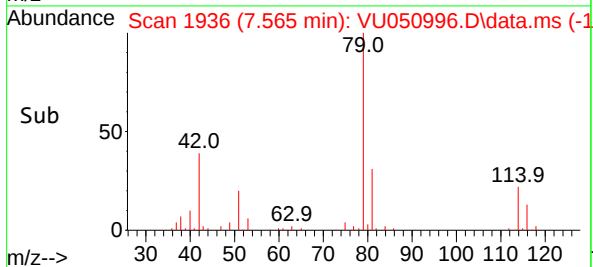
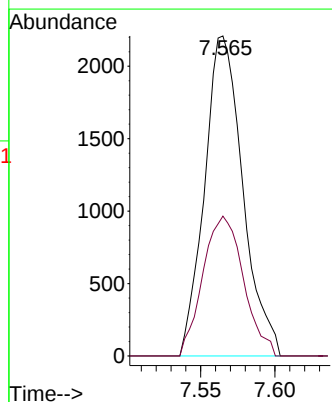
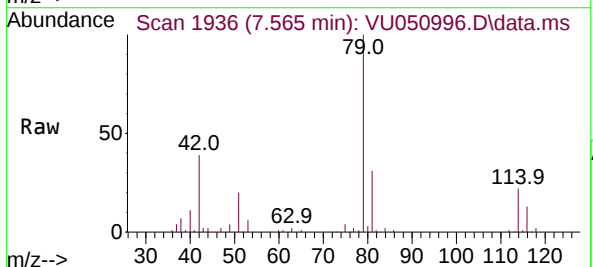
Acq: 29 Sep 2022 22:01

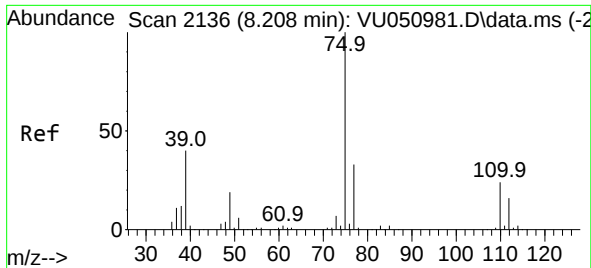
Tgt Ion: 75 Resp: 3957

Ion Ratio Lower Upper

75 100

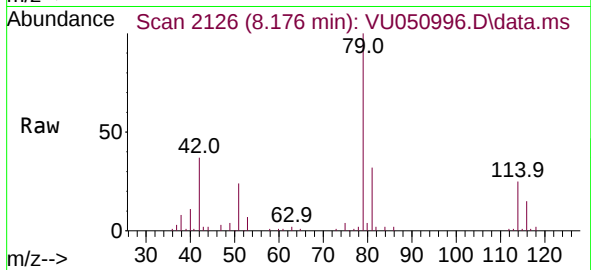
77 43.7 22.0 41.0#



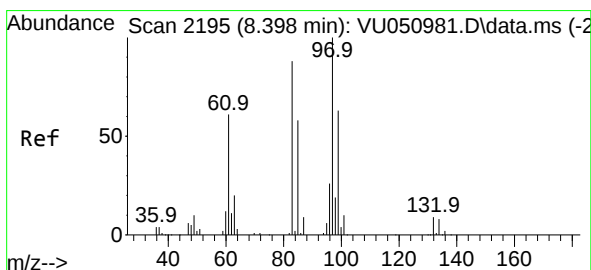
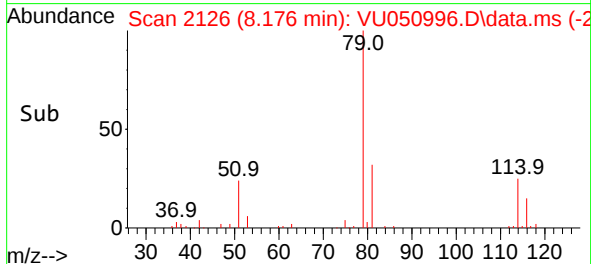
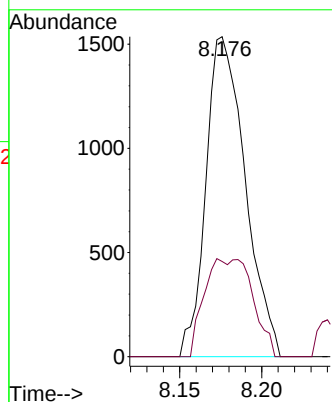


#44
trans-1,3-Dichloropropene
Concen: 0.741 ug/L
RT: 8.176 min Scan# 2136
Delta R.T. -0.032 min
Lab File: VU050996.D
Acq: 29 Sep 2022 22:01

Instrument :
MSVOA_U
ClientSampleId :

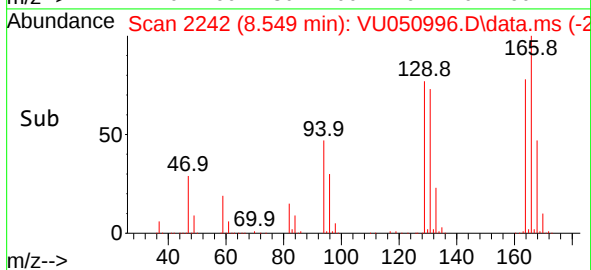
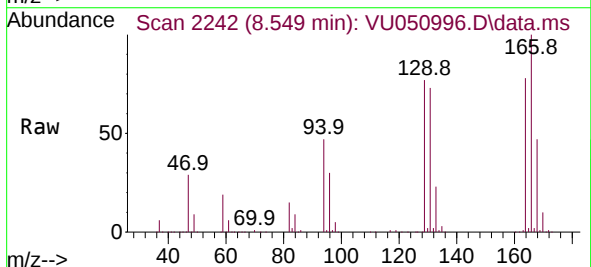
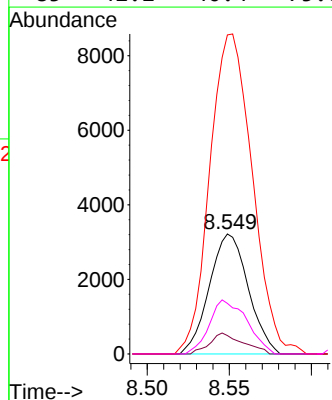


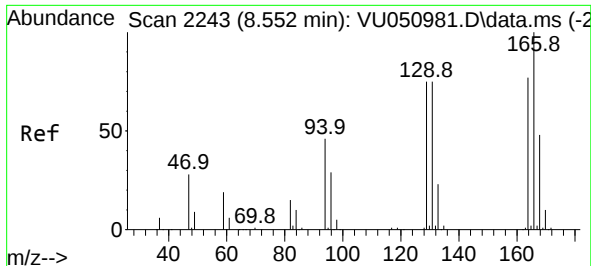
Tgt Ion: 75 Resp: 2559
Ion Ratio Lower Upper
75 100
77 27.6 22.7 42.3



#45
1,1,2-Trichloroethane
Concen: 2.027 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.151 min
Lab File: VU050996.D
Acq: 29 Sep 2022 22:01

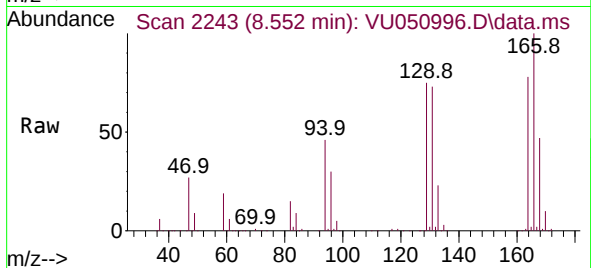
Tgt Ion: 97 Resp: 5298
Ion Ratio Lower Upper
97 100
99 15.3 44.4 82.4#
83 266.1 61.7 114.5#
85 42.2 40.4 75.0



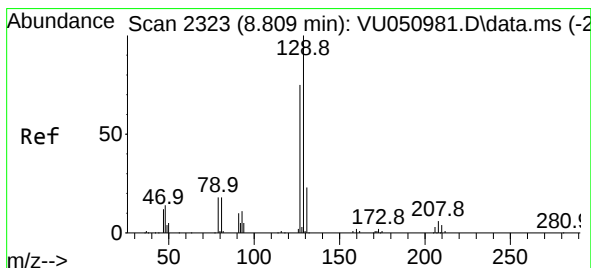
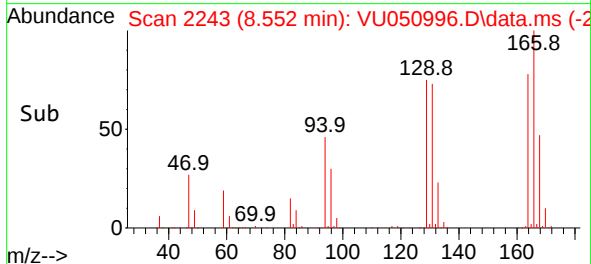
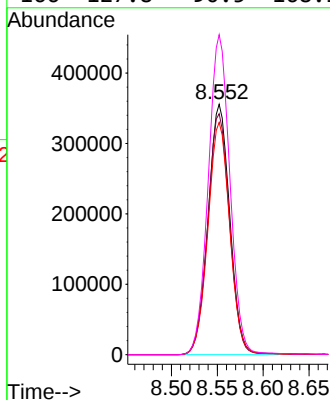


#46
Tetrachloroethene
Concen: 333.610 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050996.D
Acq: 29 Sep 2022 22:01

Instrument :
MSVOA_U
ClientSampleId :

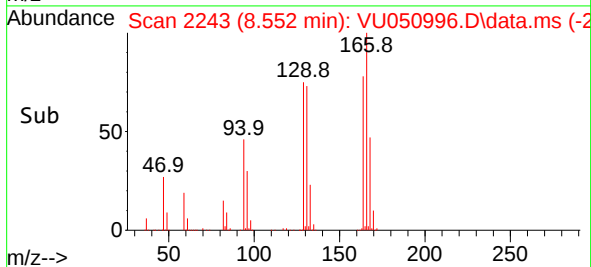
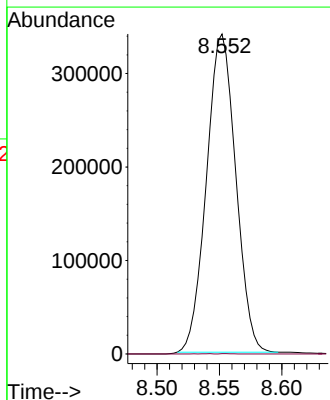
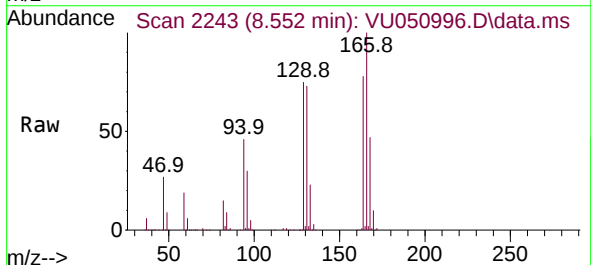


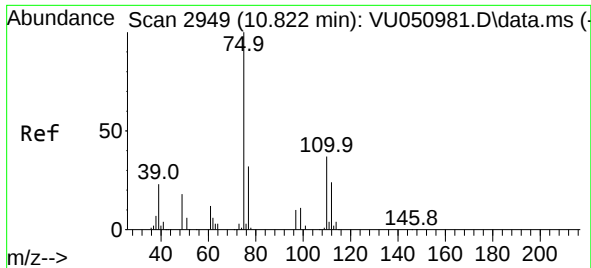
Tgt Ion:164 Resp: 586645
Ion Ratio Lower Upper
164 100
129 96.3 68.1 126.5
131 92.8 67.8 126.0
166 127.8 90.5 168.1



#49
Dibromochloromethane
Concen: 202.314 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU050996.D
Acq: 29 Sep 2022 22:01

Tgt Ion:129 Resp: 555846
Ion Ratio Lower Upper
129 100
127 0.1 52.8 98.0#





#60

1,2,3-Trichloropropane

Concen: 4.719 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.987 min

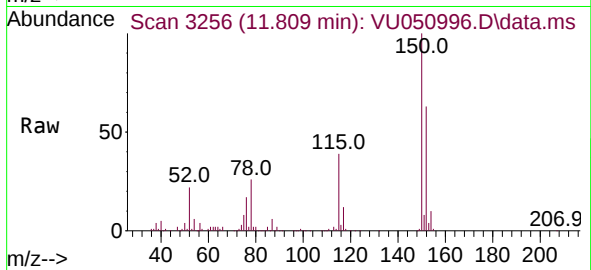
Lab File: VU050996.D

Acq: 29 Sep 2022 22:01

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 15480

Ion Ratio Lower Upper

75 100

77 31.2 26.1 39.1

110 2.5 30.0 45.0#

