

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050874.D
 Acq On : 21 Sep 2022 11:36
 Operator : JC/MD
 Sample : N4650-20DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ37DL

Quant Time: Sep 22 02:12:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	123332	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	121520	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	42994	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76894	60.177	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 120.360%			
7) Chloroethane-d5	1.909	69	63091	69.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 138.660%#			
11) 1,1-Dichloroethene-d2	2.568	63	118742	59.721	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 119.440%			
21) 2-Butanone-d5	4.626	46	118720	143.912	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 143.910%#			
24) Chloroform-d	5.063	84	134545	67.189	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 134.380%#			
26) 1,2-Dichloroethane-d4	5.703	65	87452	70.864	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 141.720%#			
32) Benzene-d6	5.726	84	256819	64.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 128.320%#			
36) 1,2-Dichloropropane-d6	6.690	67	89686	66.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 132.760%#			
41) Toluene-d8	7.899	98	194202	55.506	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.020%			
43) trans-1,3-Dichloroprop...	8.179	79	35496	60.393	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 120.780%			
47) 2-Hexanone-d5	8.632	63	58277	104.669	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.670%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	127907	62.096	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 124.200%#			
66) 1,2-Dichlorobenzene-d4	12.192	152	61833	68.689	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 137.380%#			
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.141	101	1182	0.750	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	946	0.937	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	44908	47.363	ug/L #	83
14) Carbon disulfide	2.793	76	1781	0.594	ug/L #	89
17) trans-1,2-Dichloroethene	3.353	96	2235	2.300	ug/L #	88
19) 1,1-Dichloroethane	3.867	63	138987	70.781	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	36878	34.225	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	286325	177.107	ug/L	99
31) Carbon tetrachloride	5.314	117	37368	27.824	ug/L	97
34) Trichloroethene	6.542	95	25715	24.754	ug/L	98
35) Methylcyclohexane	6.690	83	19817	11.839	ug/L #	17
37) 1,2-Dichloropropane	6.687	63	9207	7.524	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	2342	1.430	ug/L #	75
44) trans-1,3-Dichloropropene	8.179	75	1447	0.929	ug/L	84
45) 1,1,2-Trichloroethane	8.401	97	1071	0.950	ug/L	95
46) Tetrachloroethene	8.555	164	24939	33.407	ug/L	96

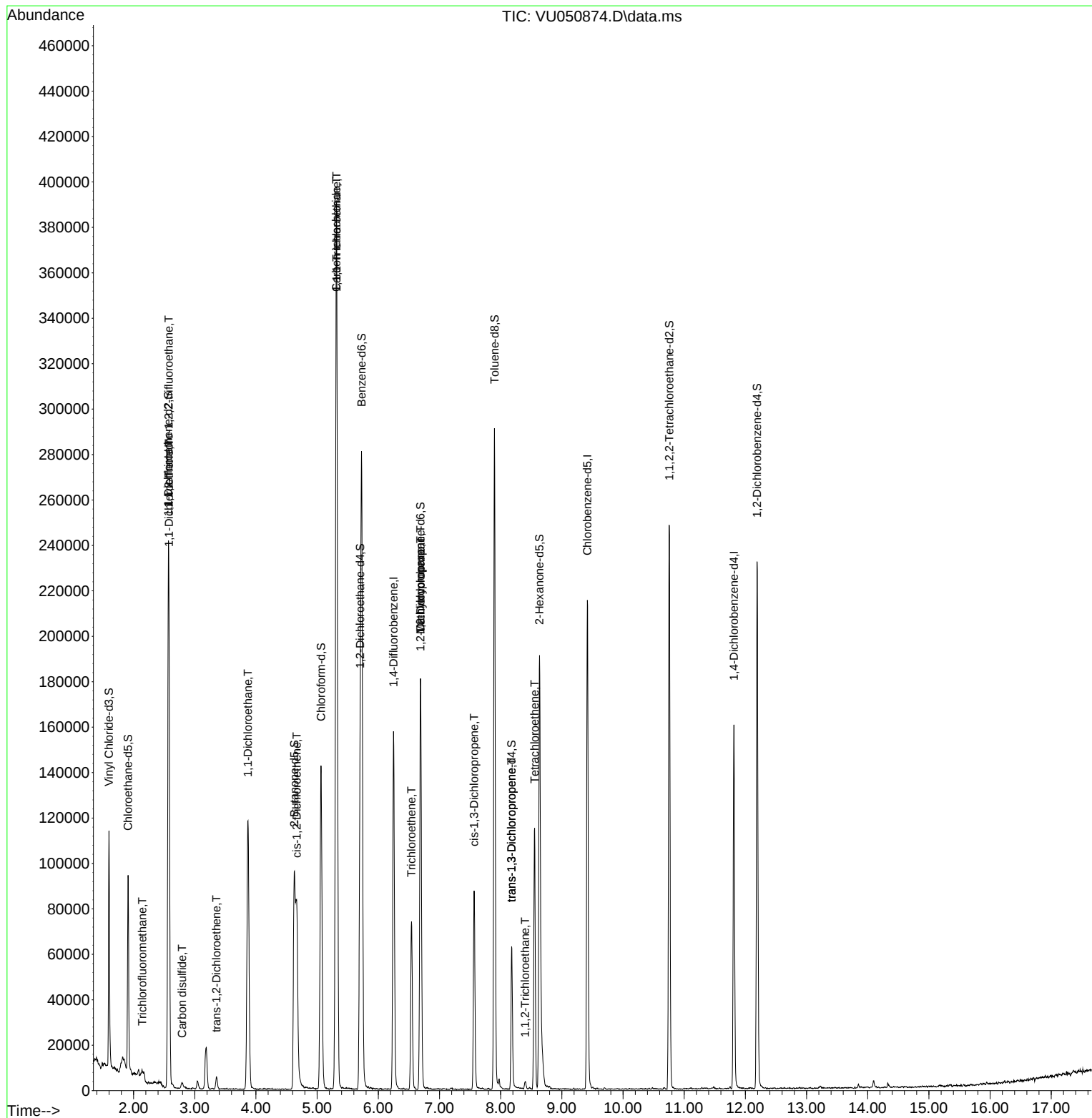
(#) = qualifier out of range (m) = manual integration (+) = signals summed

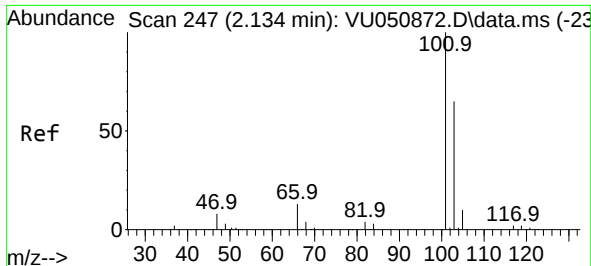
Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
Data File : VU050874.D
Acq On : 21 Sep 2022 11:36
Operator : JC/MD
Sample : N4650-20DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

Quant Time: Sep 22 02:12:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 22 02:11:06 2022
Response via : Initial Calibration

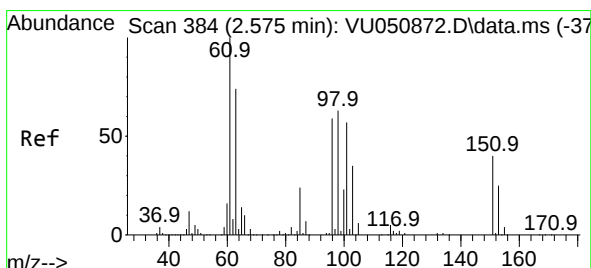
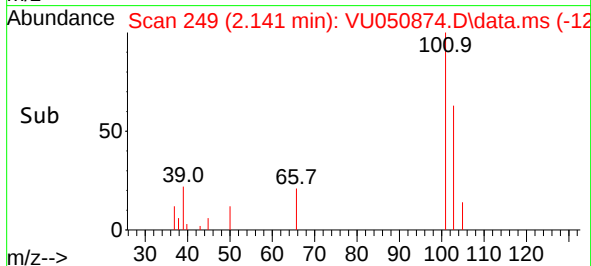
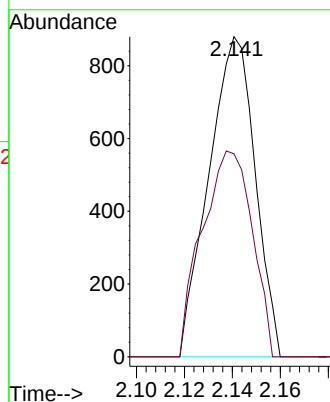
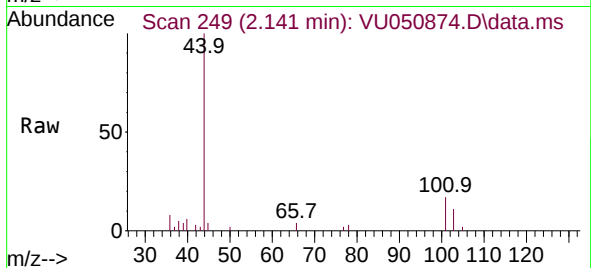




#9
 Trichlorofluoromethane
 Concen: 0.750 ug/L
 RT: 2.141 min Scan# 247
 Delta R.T. 0.006 min
 Lab File: VU050874.D
 Acq: 21 Sep 2022 11:36

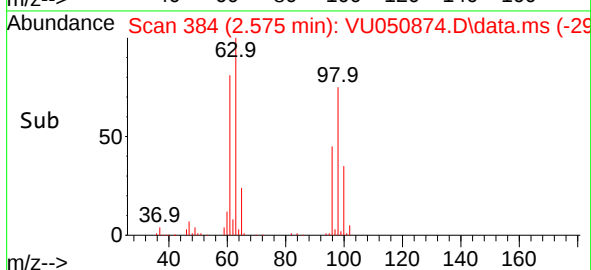
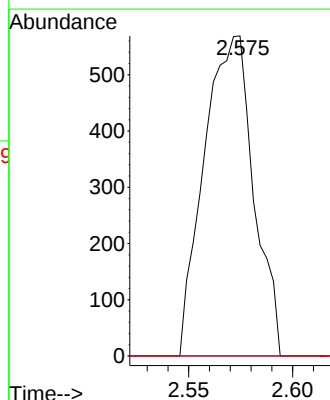
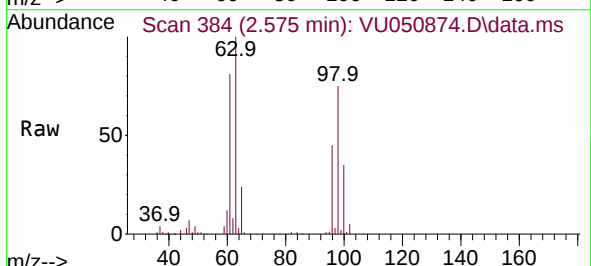
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ37DL

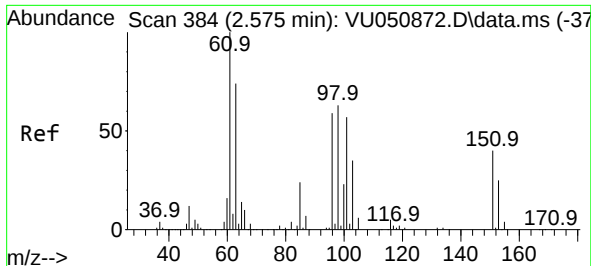
Tgt Ion:101 Resp: 1182
 Ion Ratio Lower Upper
 101 100
 103 69.5 50.9 76.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.937 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050874.D
 Acq: 21 Sep 2022 11:36

Tgt Ion:101 Resp: 946
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#





#12

1,1-Dichloroethene

Concen: 47.363 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU050874.D

Acq: 21 Sep 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

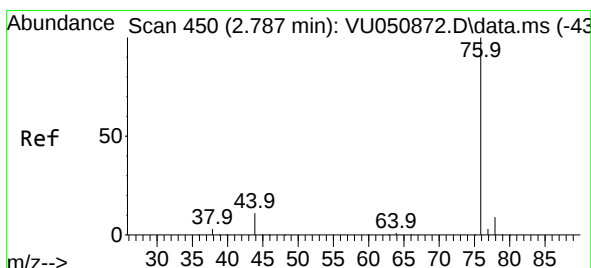
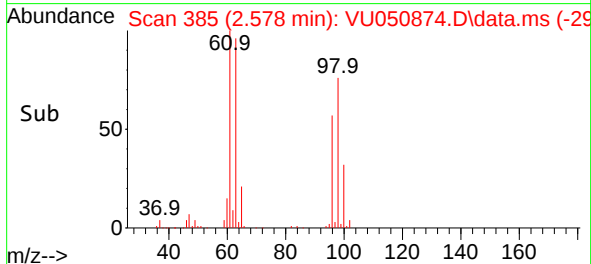
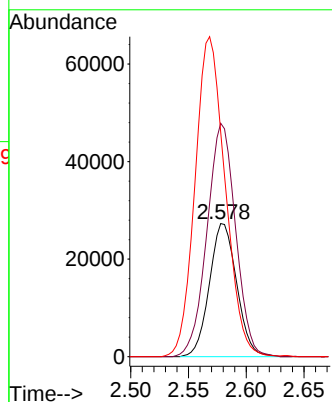
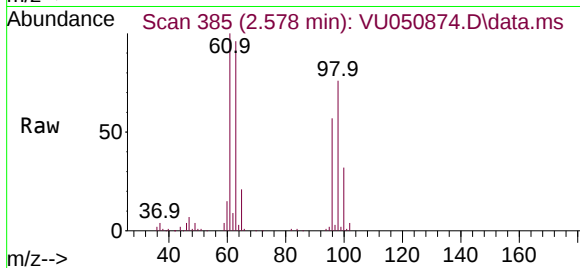
Tgt Ion: 96 Resp: 44908

Ion Ratio Lower Upper

96 100

61 175.3 118.6 220.2

63 168.9 90.4 168.0#



#14

Carbon disulfide

Concen: 0.594 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU050874.D

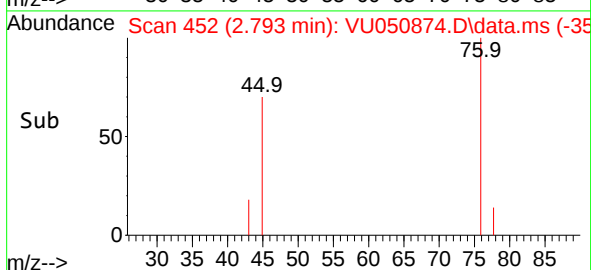
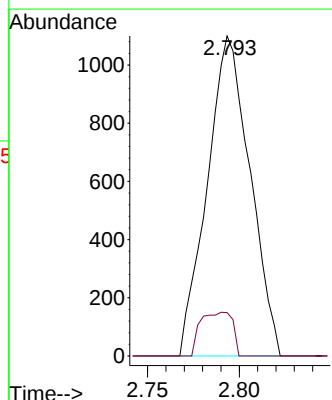
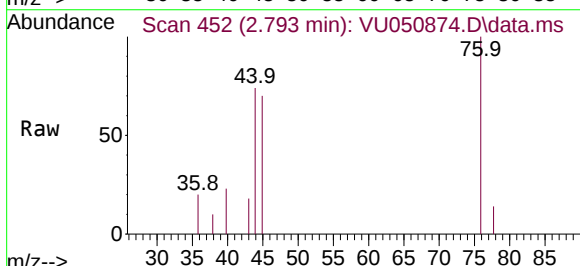
Acq: 21 Sep 2022 11:36

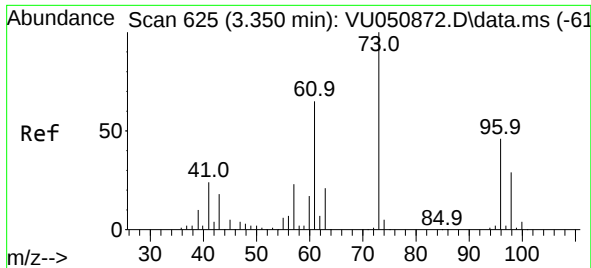
Tgt Ion: 76 Resp: 1781

Ion Ratio Lower Upper

76 100

78 13.5 7.5 11.3#

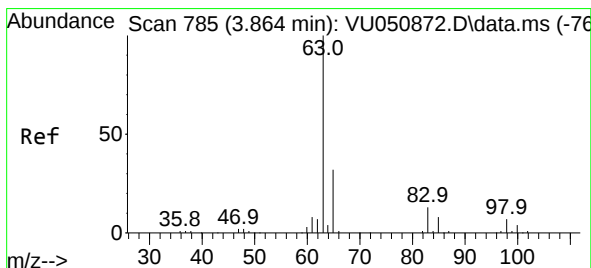
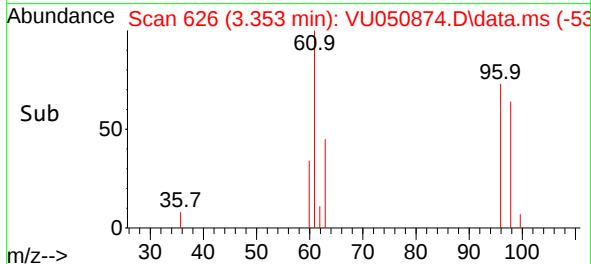
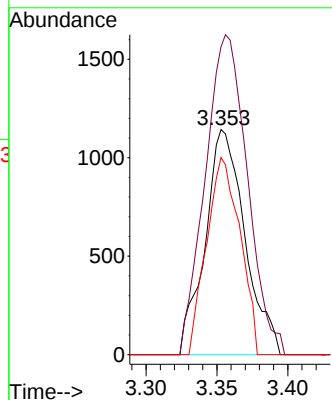
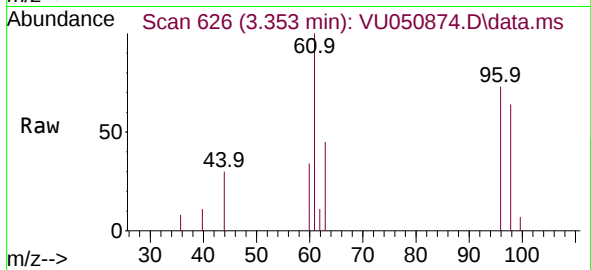




#17
trans-1,2-Dichloroethene
Concen: 2.300 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

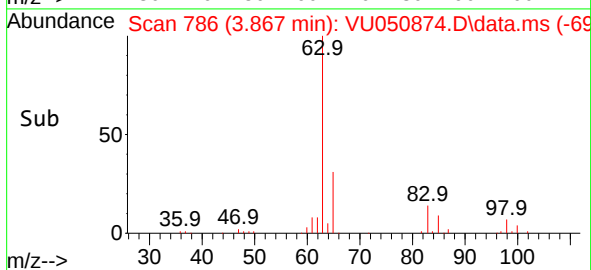
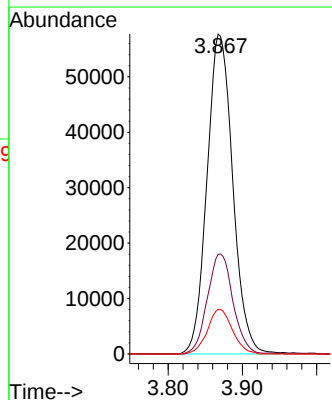
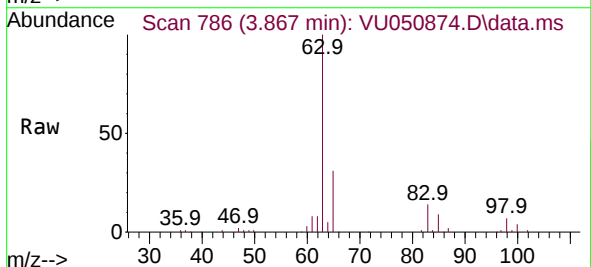
Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

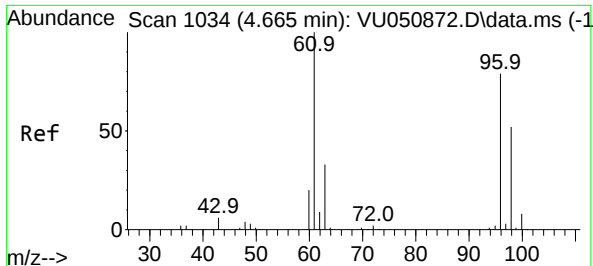
Tgt Ion: 96 Resp: 2235
Ion Ratio Lower Upper
96 100
61 136.7 98.0 182.0
98 87.6 44.3 82.3#



#19
1,1-Dichloroethane
Concen: 70.781 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

Tgt Ion: 63 Resp: 138987
Ion Ratio Lower Upper
63 100
65 31.1 21.5 39.9
83 13.9 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 34.225 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU050874.D

Acq: 21 Sep 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

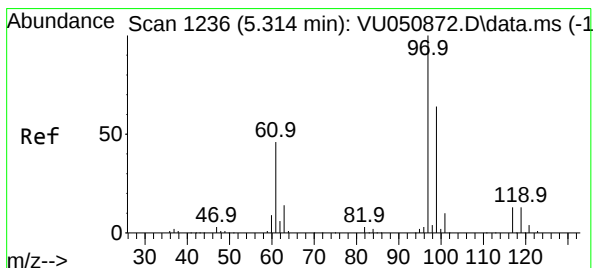
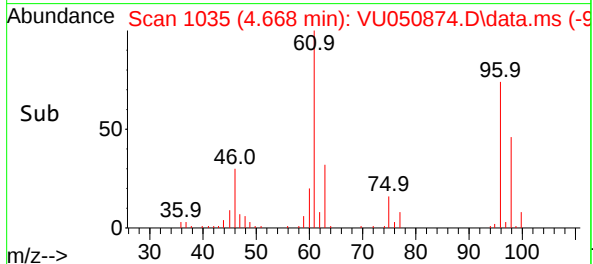
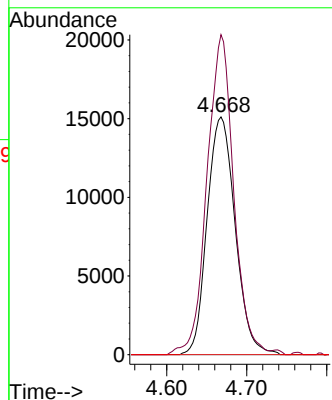
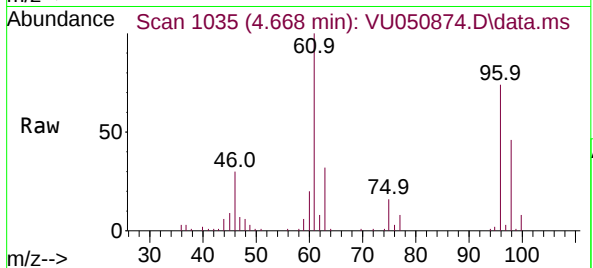
Tgt Ion: 96 Resp: 36878

Ion Ratio Lower Upper

96 100

61 134.5 90.1 167.3

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 177.107 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050874.D

Acq: 21 Sep 2022 11:36

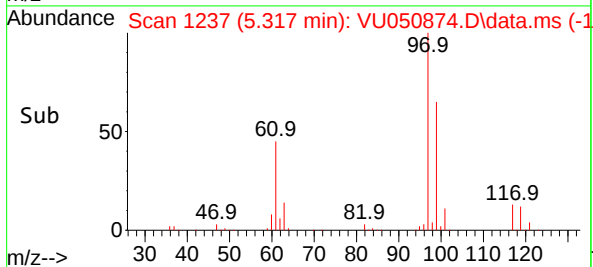
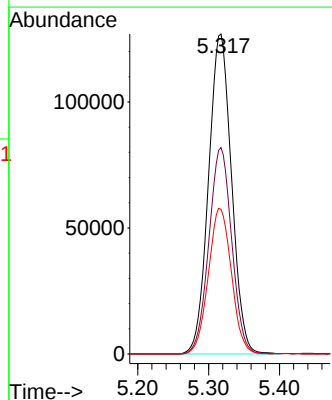
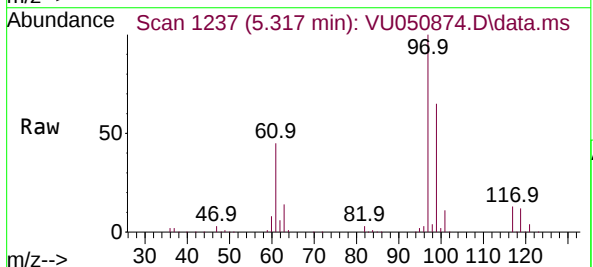
Tgt Ion: 97 Resp: 286325

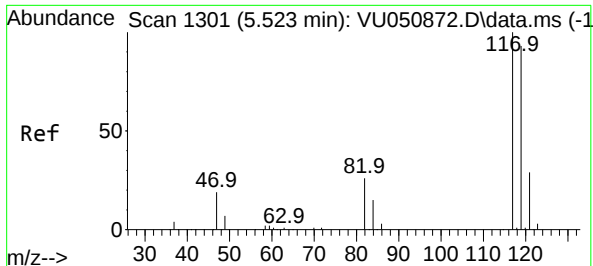
Ion Ratio Lower Upper

97 100

99 64.1 52.2 78.2

61 45.6 37.1 55.7

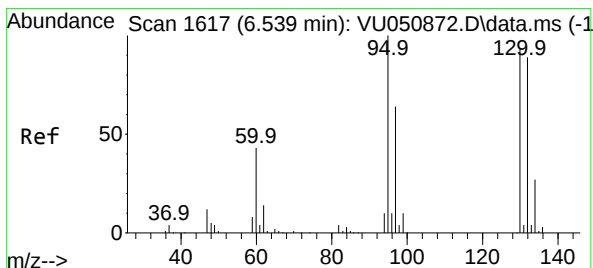
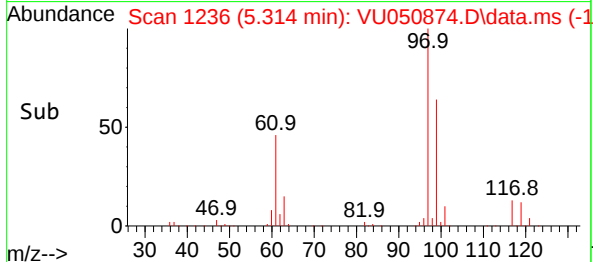
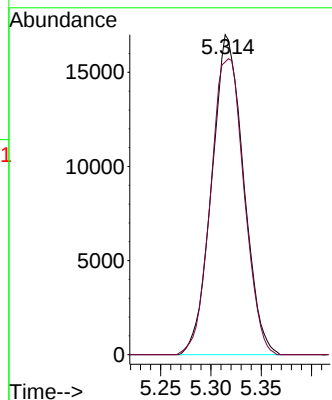
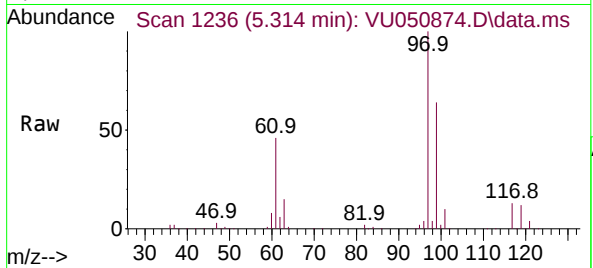




#31
Carbon tetrachloride
Concen: 27.824 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

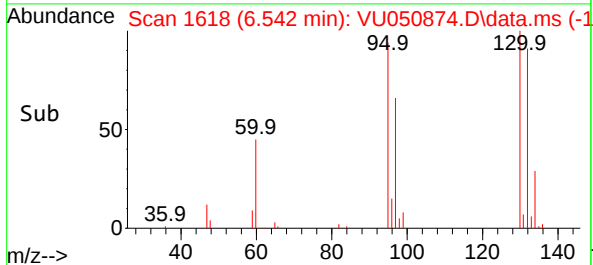
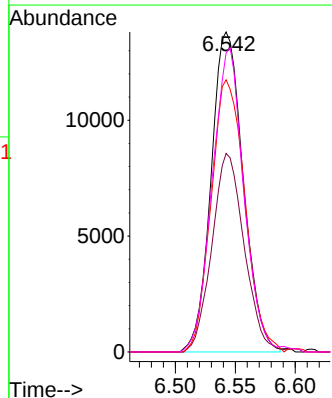
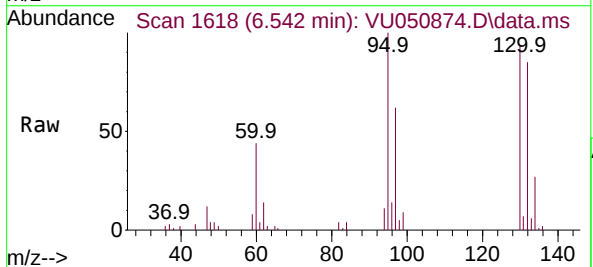
Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

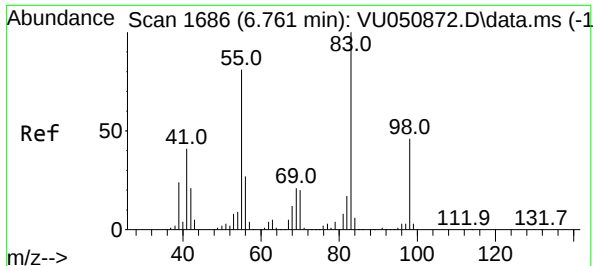
Tgt Ion:117 Resp: 37368
Ion Ratio Lower Upper
117 100
119 97.4 76.0 114.0



#34
Trichloroethene
Concen: 24.754 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

Tgt Ion: 95 Resp: 25715
Ion Ratio Lower Upper
95 100
97 62.1 43.9 81.5
132 85.1 63.1 117.1
130 93.4 65.9 122.3





#35

Methylcyclohexane

Concen: 11.839 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU050874.D

Acq: 21 Sep 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

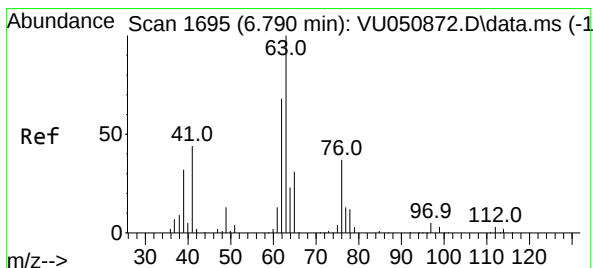
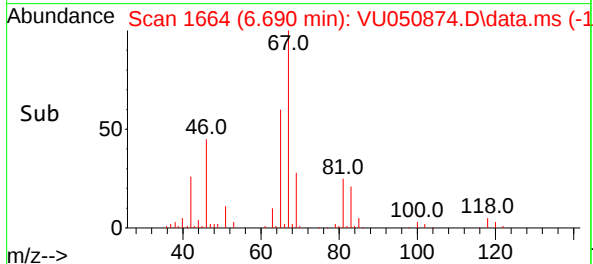
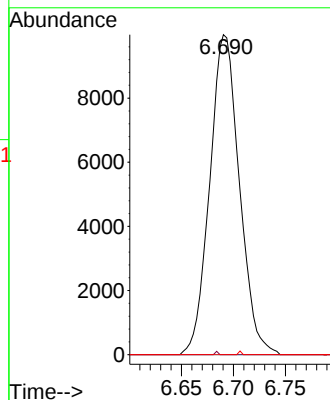
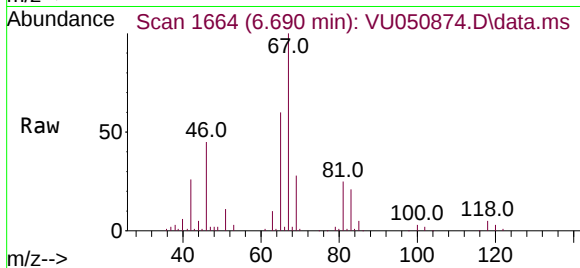
Tgt Ion: 83 Resp: 19817

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 0.8 35.2 52.8#



#37

1,2-Dichloropropane

Concen: 7.524 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.103 min

Lab File: VU050874.D

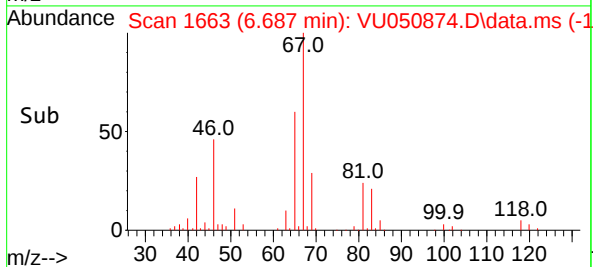
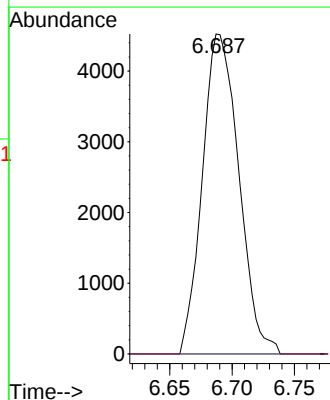
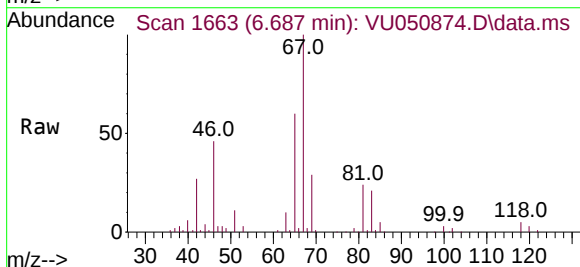
Acq: 21 Sep 2022 11:36

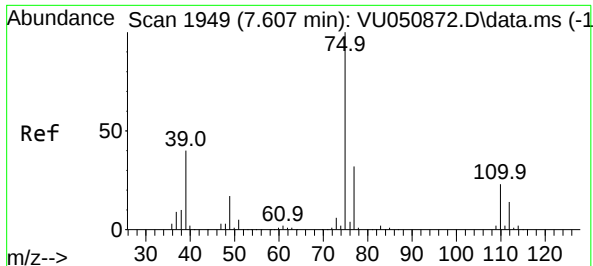
Tgt Ion: 63 Resp: 9207

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 1.430 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050874.D

Acq: 21 Sep 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

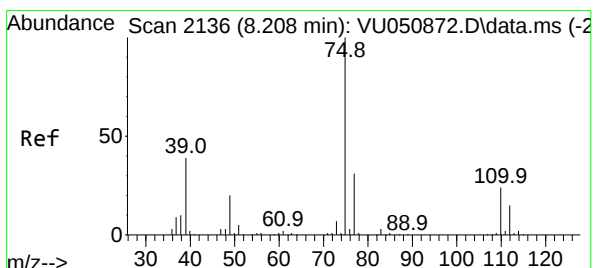
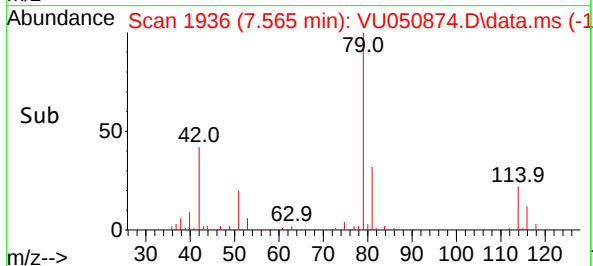
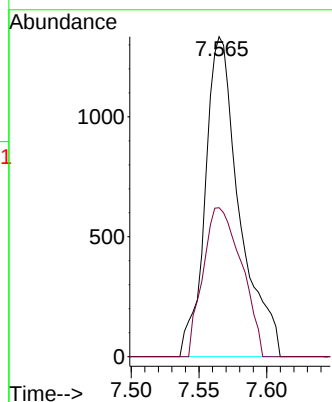
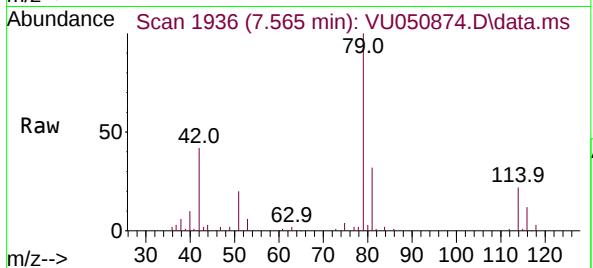
EXZ37DL

Tgt Ion: 75 Resp: 2342

Ion Ratio Lower Upper

75 100

77 46.6 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.929 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050874.D

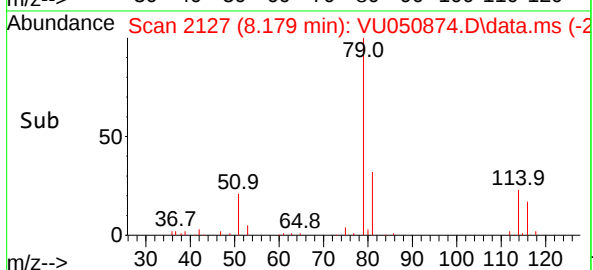
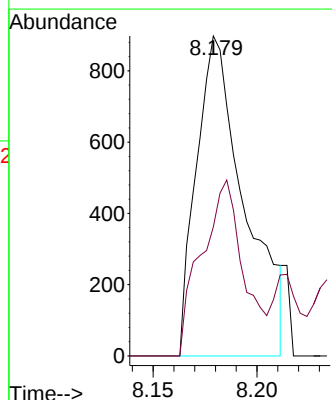
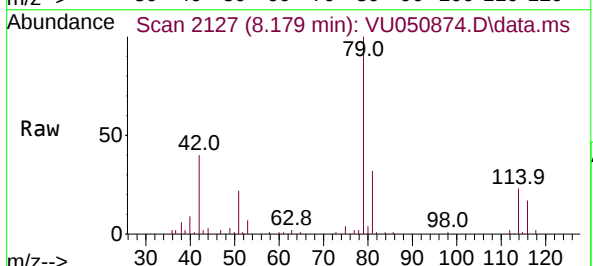
Acq: 21 Sep 2022 11:36

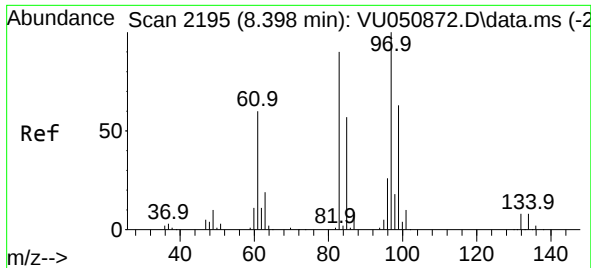
Tgt Ion: 75 Resp: 1447

Ion Ratio Lower Upper

75 100

77 40.3 21.9 40.7

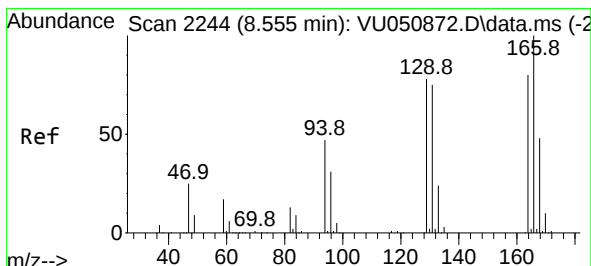
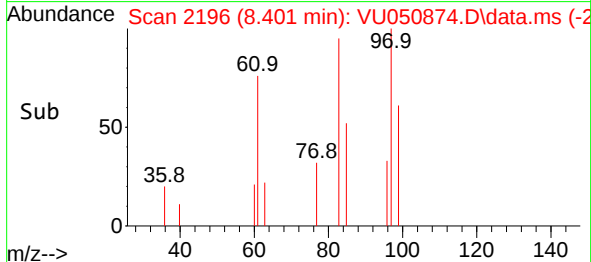
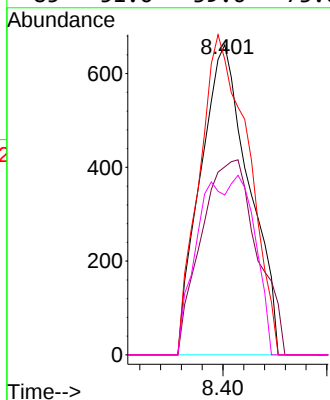
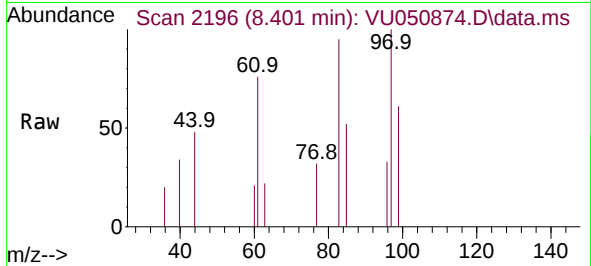




#45
1,1,2-Trichloroethane
Concen: 0.950 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

Tgt Ion: 97	Resp:	1071	
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.8	81.4
83	95.3	62.6	116.3
85	51.6	39.6	73.6



#46
Tetrachloroethene
Concen: 33.407 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU050874.D
Acq: 21 Sep 2022 11:36

Tgt	Ion:164	Resp:	24939
Ion	Ratio	Lower	Upper
164	100		
129	103.0	68.5	127.3
131	101.0	66.1	122.7
166	124.3	88.8	164.8

