

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092322\
 Data File : VU050917.D
 Acq On : 23 Sep 2022 14:08
 Operator : JC/MD
 Sample : N4650-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 00:23:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 24 00:22:43 2022
 Response via : Initial Calibration

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

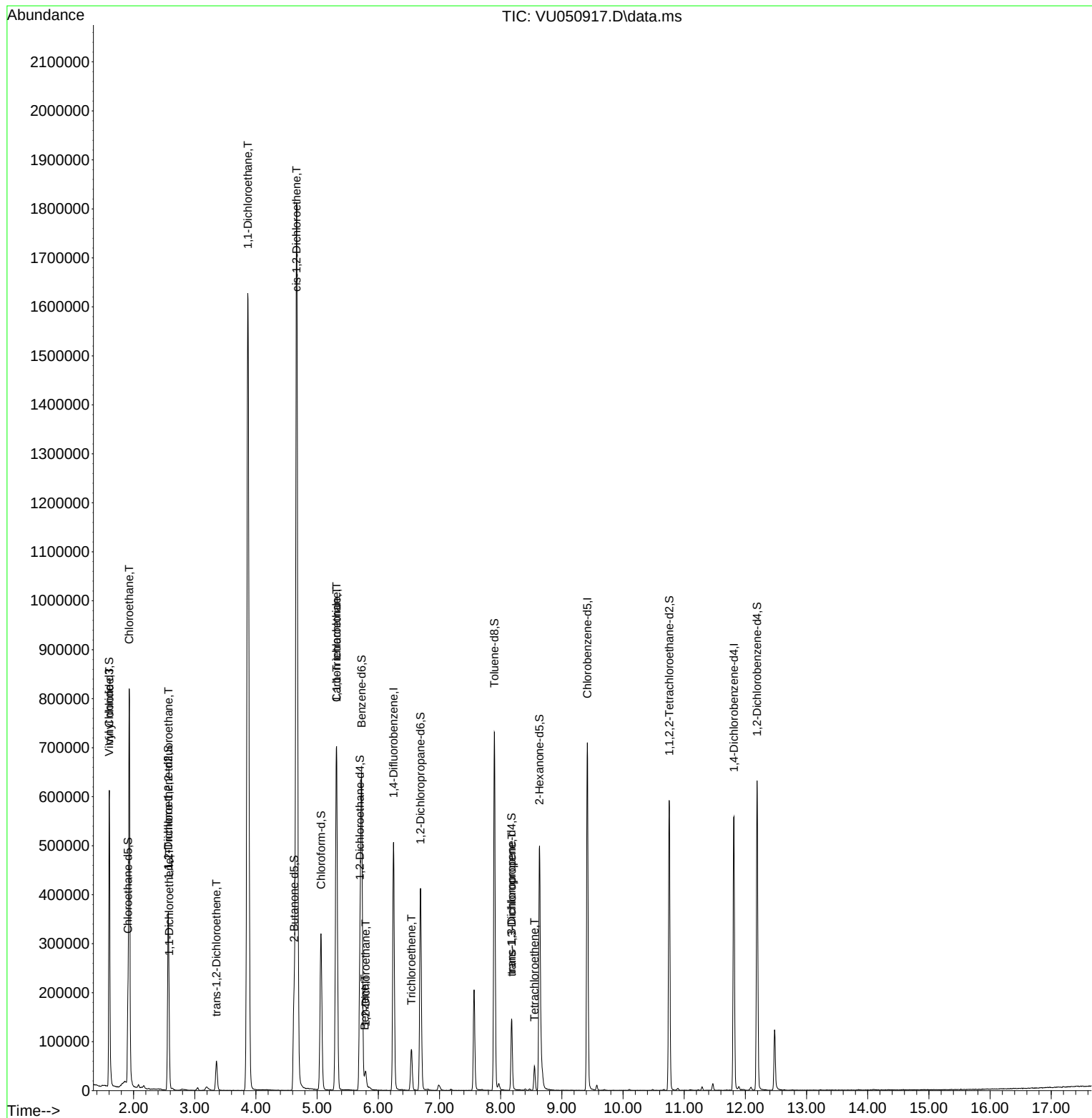
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	403525	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	388833	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	145990	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	163235	39.044	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.080%
7) Chloroethane-d5	1.909	69	138597	46.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.100%
11) 1,1-Dichloroethene-d2	2.565	63	211029	32.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.880%
21) 2-Butanone-d5	4.623	46	282544	104.680	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.680%
24) Chloroform-d	5.063	84	296823	45.304	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.700	65	194412	48.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
32) Benzene-d6	5.726	84	592278	46.245	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.480%
36) 1,2-Dichloropropane-d6	6.690	67	205910	47.631	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.260%
41) Toluene-d8	7.896	98	486402	43.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.900%
43) trans-1,3-Dichloroprop...	8.179	79	83956	44.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.280%
47) 2-Hexanone-d5	8.632	63	152647	85.683	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.680%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	303877	46.105	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.220%
66) 1,2-Dichlorobenzene-d4	12.192	152	163218	53.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	311541	65.511	ug/L	98
8) Chloroethane	1.928	64	531979	202.044	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1853	0.561	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	15516	5.002	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	25207	7.928	ug/L	97
19) 1,1-Dichloroethane	3.867	63	1876839	292.127	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	946919	268.591	ug/L	100
27) 1,2-Dichloroethane	5.793	62	24489	5.033	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	506395	97.893	ug/L	99
31) Carbon tetrachloride	5.317	117	65449	15.230	ug/L	98
33) Benzene	5.777	78	13487	0.943	ug/L	100
34) Trichloroethene	6.542	95	26775	8.055	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	3729	0.748	ug/L	97
46) Tetrachloroethene	8.552	164	11121	4.656	ug/L	96

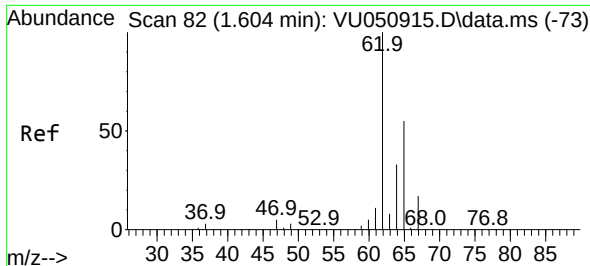
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

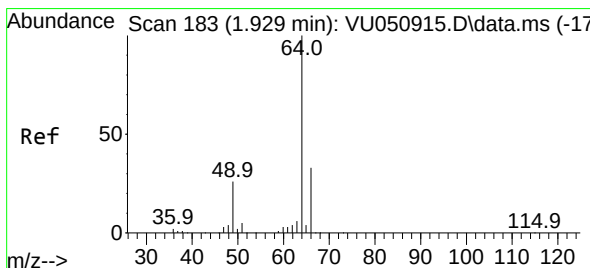
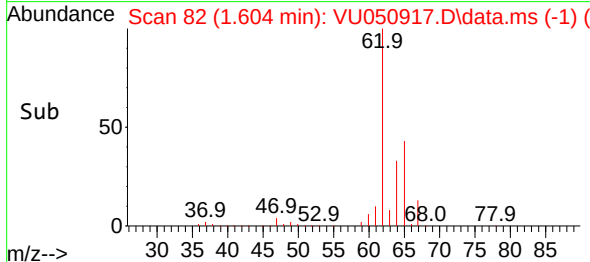
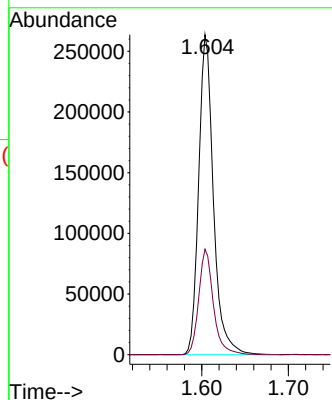
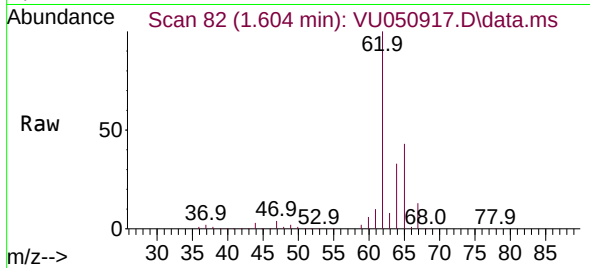




#5
 Vinyl chloride
 Concen: 65.511 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU050917.D
 Acq: 23 Sep 2022 14:08

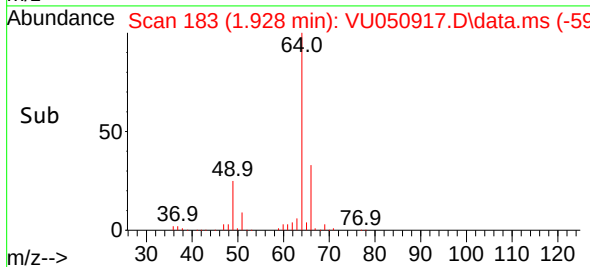
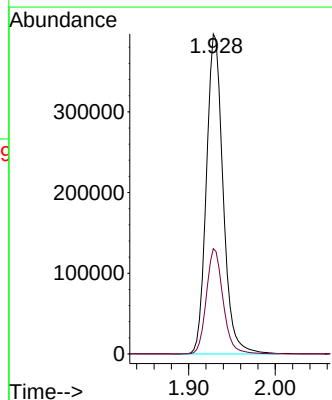
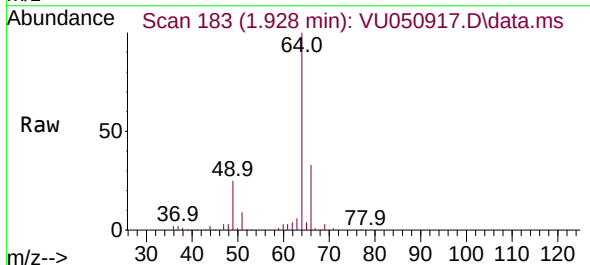
Instrument :
 MSVOA_U
 ClientSampleId :

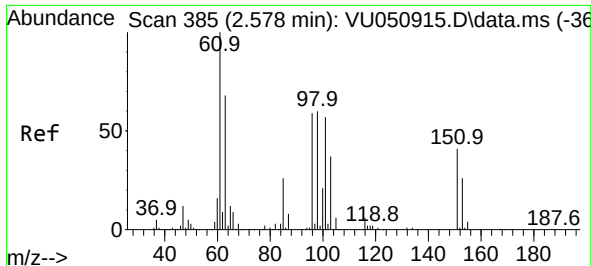
Tgt Ion: 62 Resp: 311541
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.2 41.2



#8
 Chloroethane
 Concen: 202.044 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU050917.D
 Acq: 23 Sep 2022 14:08

Tgt Ion: 64 Resp: 531979
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.9 42.5

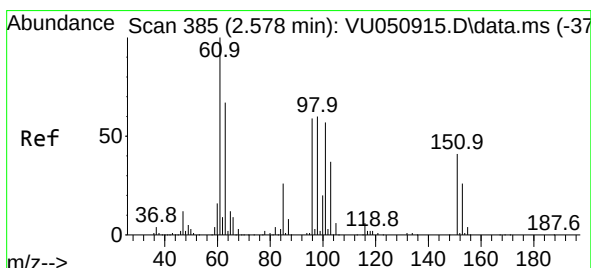
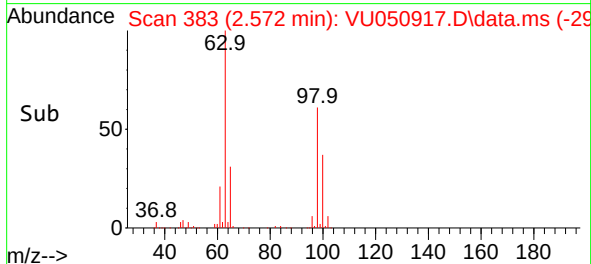
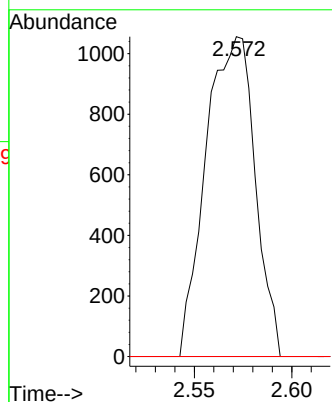
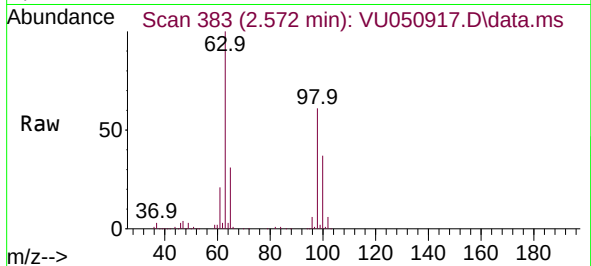




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.561 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.007 min
 Lab File: VU050917.D
 Acq: 23 Sep 2022 14:08

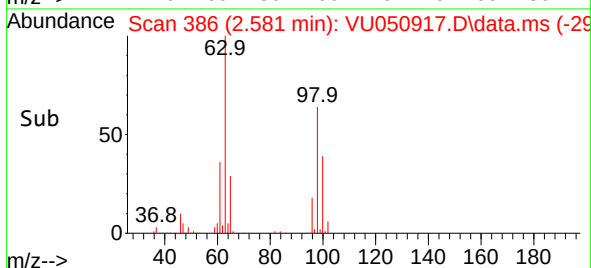
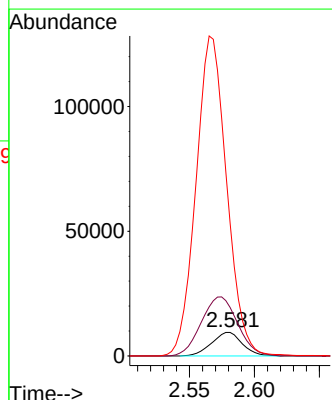
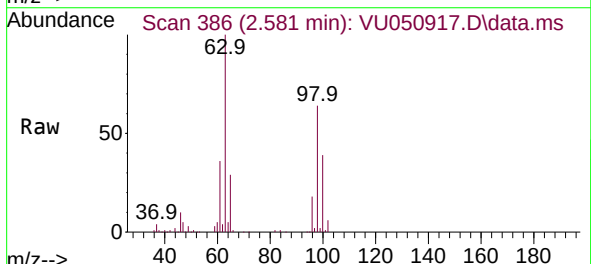
Instrument :
 MSVOA_U
 ClientSampleId :

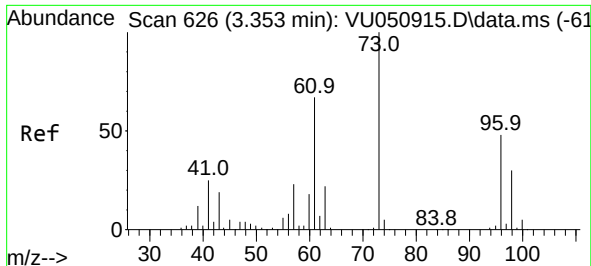
Tgt Ion:101 Resp: 1853
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 5.002 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU050917.D
 Acq: 23 Sep 2022 14:08

Tgt Ion: 96 Resp: 15516
 Ion Ratio Lower Upper
 96 100
 61 205.2 118.6 220.2
 63 562.6 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 7.928 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050917.D

Acq: 23 Sep 2022 14:08

Instrument :

MSVOA_U

ClientSampleId :

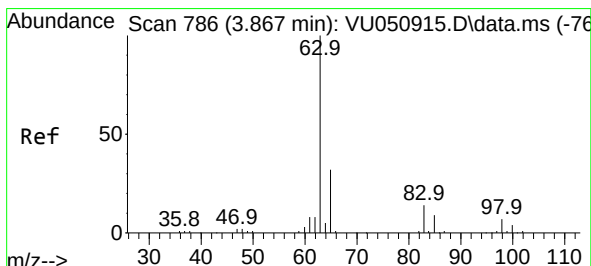
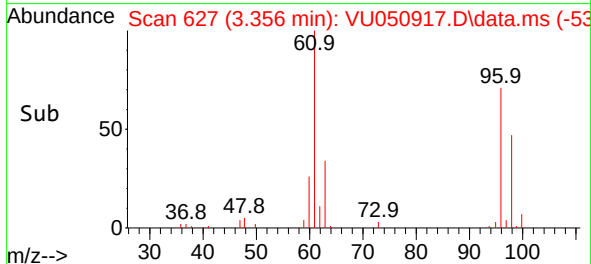
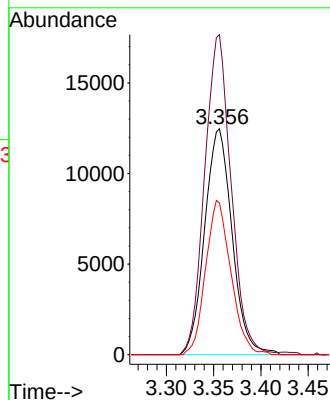
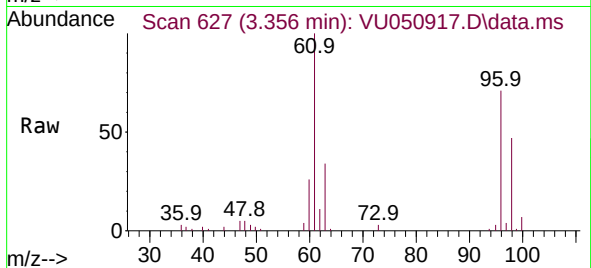
Tgt Ion: 96 Resp: 25207

Ion Ratio Lower Upper

96 100

61 141.7 98.0 182.0

98 67.2 44.3 82.3



#19

1,1-Dichloroethane

Concen: 292.127 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU050917.D

Acq: 23 Sep 2022 14:08

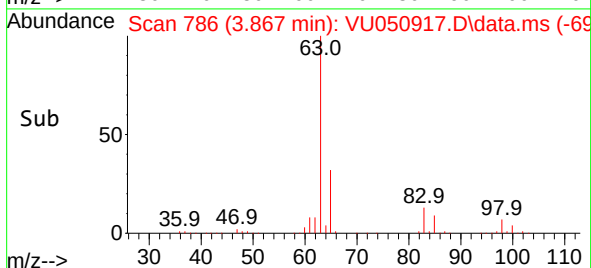
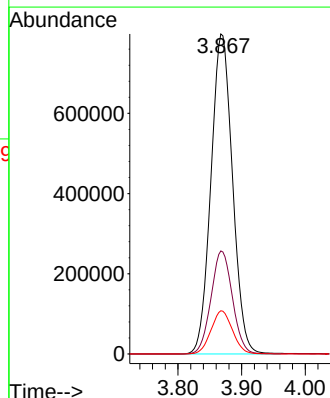
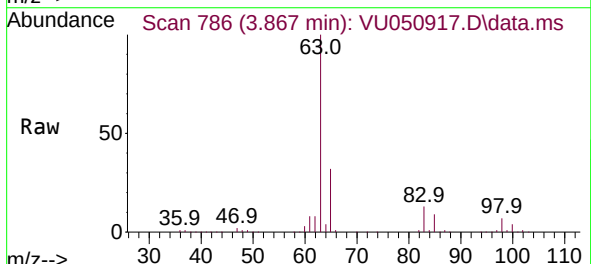
Tgt Ion: 63 Resp: 1876839

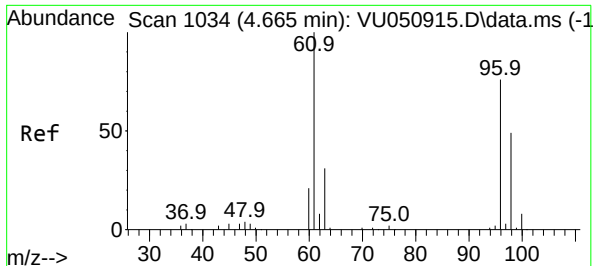
Ion Ratio Lower Upper

63 100

65 32.2 21.5 39.9

83 13.5 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 268.591 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050917.D

Acq: 23 Sep 2022 14:08

Instrument :

MSVOA_U

ClientSampleId :

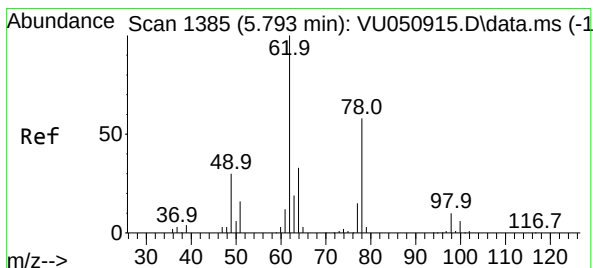
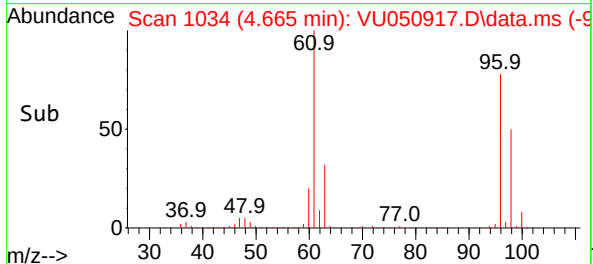
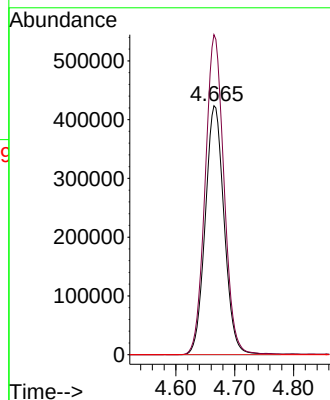
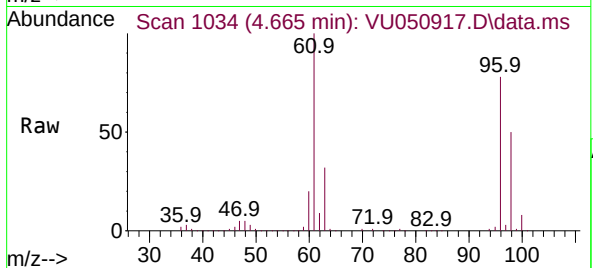
Tgt Ion: 96 Resp: 946919

Ion Ratio Lower Upper

96 100

61 128.5 90.1 167.3

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 5.033 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU050917.D

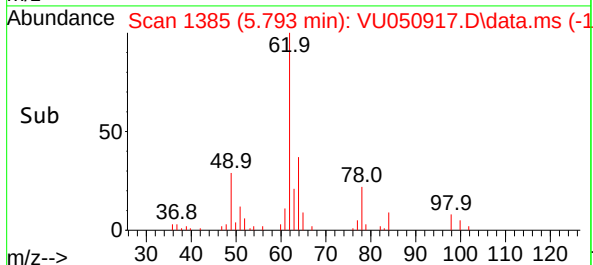
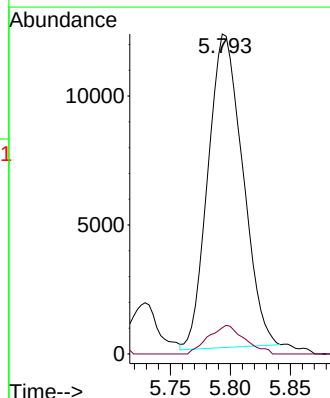
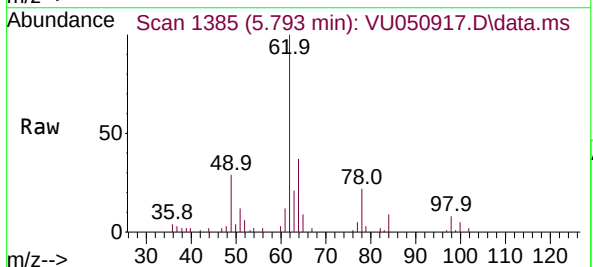
Acq: 23 Sep 2022 14:08

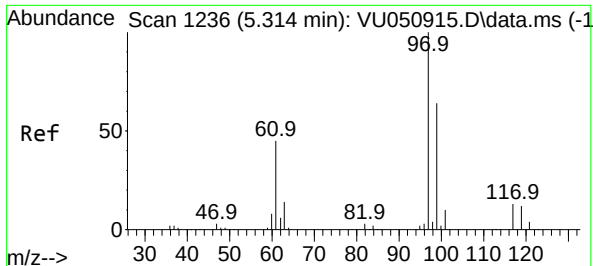
Tgt Ion: 62 Resp: 24489

Ion Ratio Lower Upper

62 100

98 8.2 7.4 11.0





#30

1,1,1-Trichloroethane

Concen: 97.893 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050917.D

Acq: 23 Sep 2022 14:08

Instrument :

MSVOA_U

ClientSampleId :

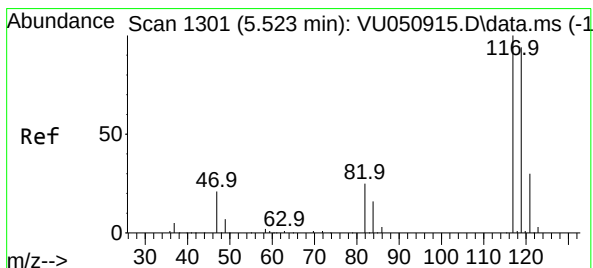
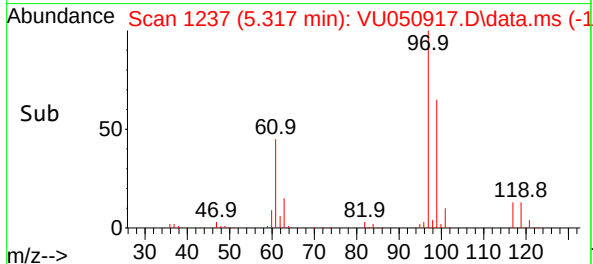
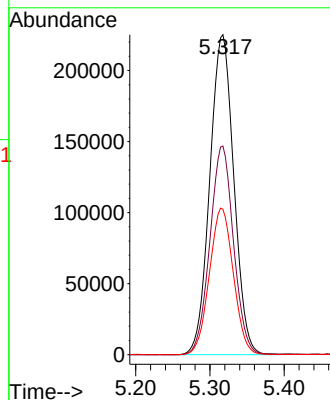
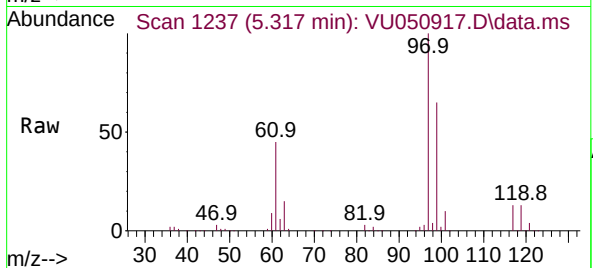
Tgt Ion: 97 Resp: 506395

Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 45.7 37.1 55.7



#31

Carbon tetrachloride

Concen: 15.230 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.206 min

Lab File: VU050917.D

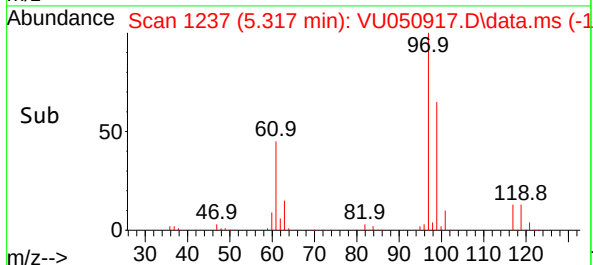
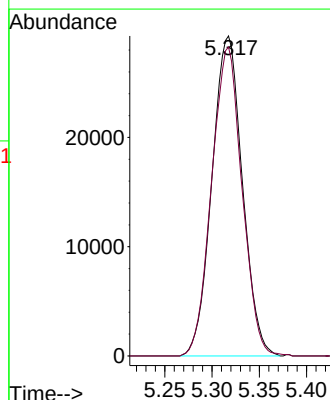
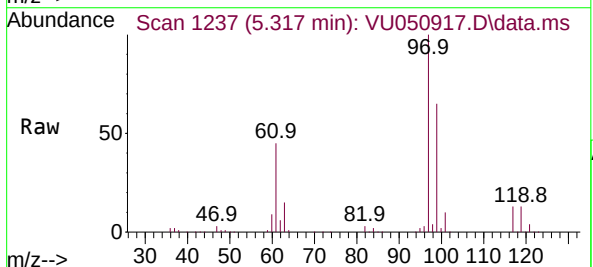
Acq: 23 Sep 2022 14:08

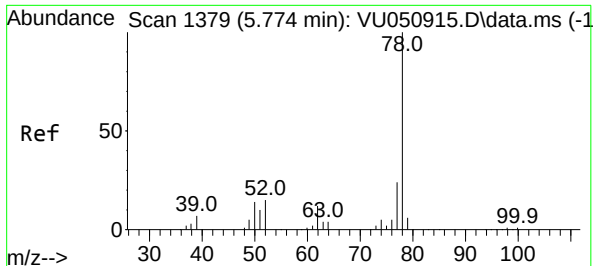
Tgt Ion: 117 Resp: 65449

Ion Ratio Lower Upper

117 100

119 96.6 76.0 114.0

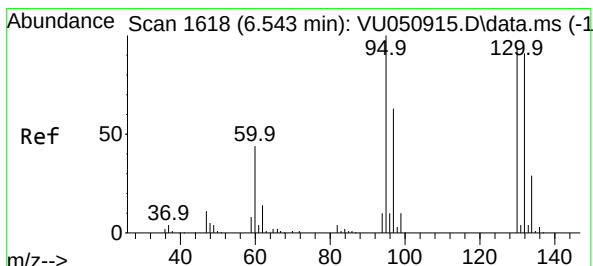
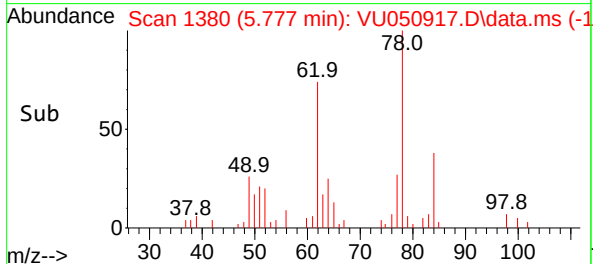
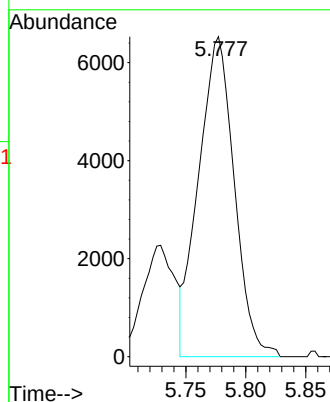
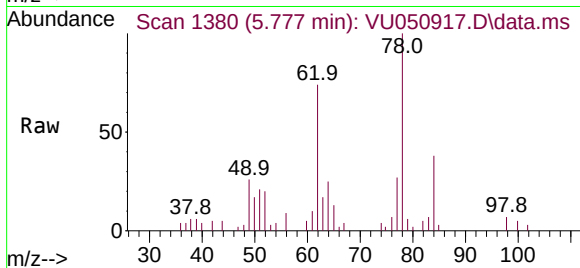




#33
Benzene
Concen: 0.943 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050917.D
Acq: 23 Sep 2022 14:08

Instrument :
MSVOA_U
ClientSampleId :

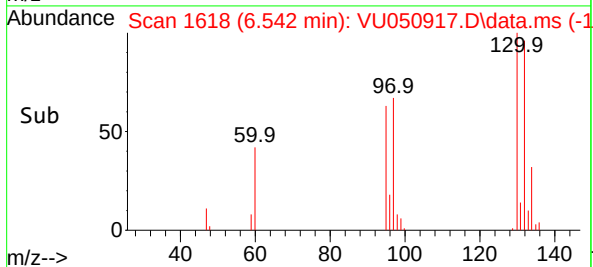
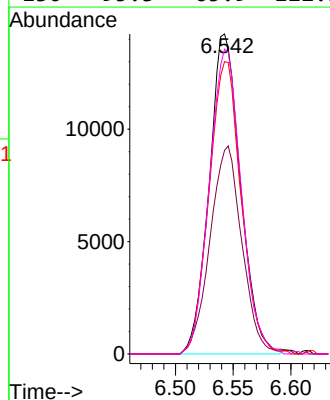
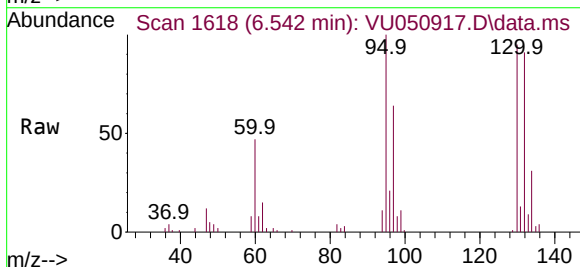
Tgt Ion: 78 Resp: 13487

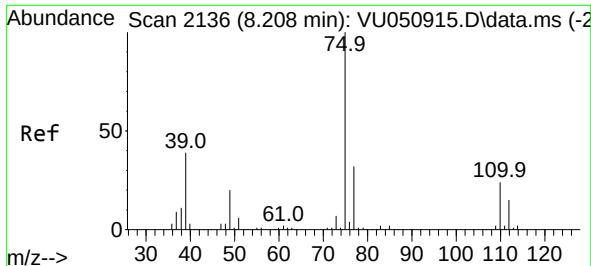


#34
Trichloroethene
Concen: 8.055 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU050917.D
Acq: 23 Sep 2022 14:08

Tgt Ion: 95 Resp: 26775

Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.9	81.5
132	91.4	63.1	117.1
130	95.3	65.9	122.3

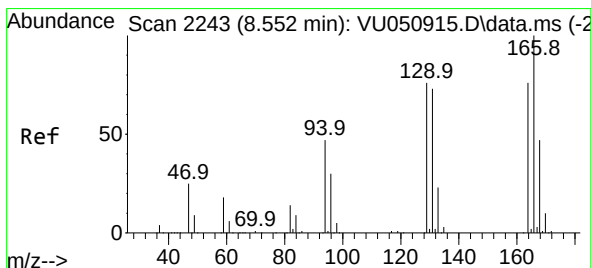
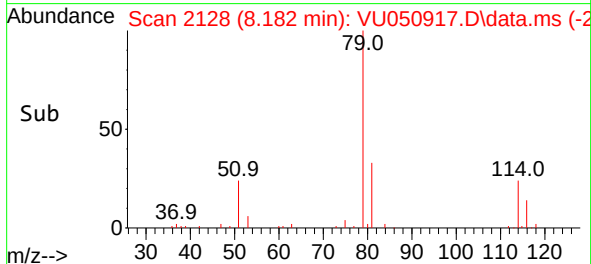
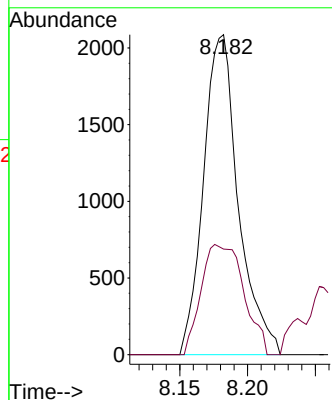
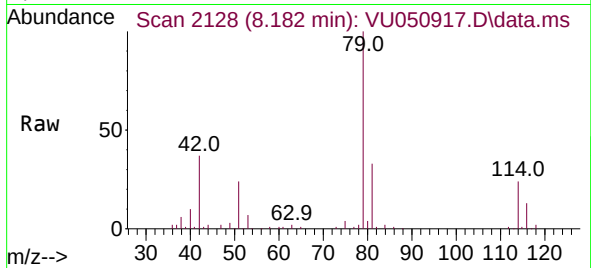




#44
trans-1,3-Dichloropropene
Concen: 0.748 ug/L
RT: 8.182 min Scan# 2136
Delta R.T. -0.026 min
Lab File: VU050917.D
Acq: 23 Sep 2022 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3729
Ion Ratio Lower Upper
75 100
77 33.0 21.9 40.7



#46
Tetrachloroethene
Concen: 4.656 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU050917.D
Acq: 23 Sep 2022 14:08

Tgt Ion: 164 Resp: 11121
Ion Ratio Lower Upper
164 100
129 93.1 68.5 127.3
131 89.5 66.1 122.7
166 124.0 88.8 164.8

