

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050204.D
 Acq On : 10 Aug 2022 01:37
 Operator : SY/MD
 Sample : N4076-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 06:36:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 10 05:49:54 2022
 Response via : Initial Calibration

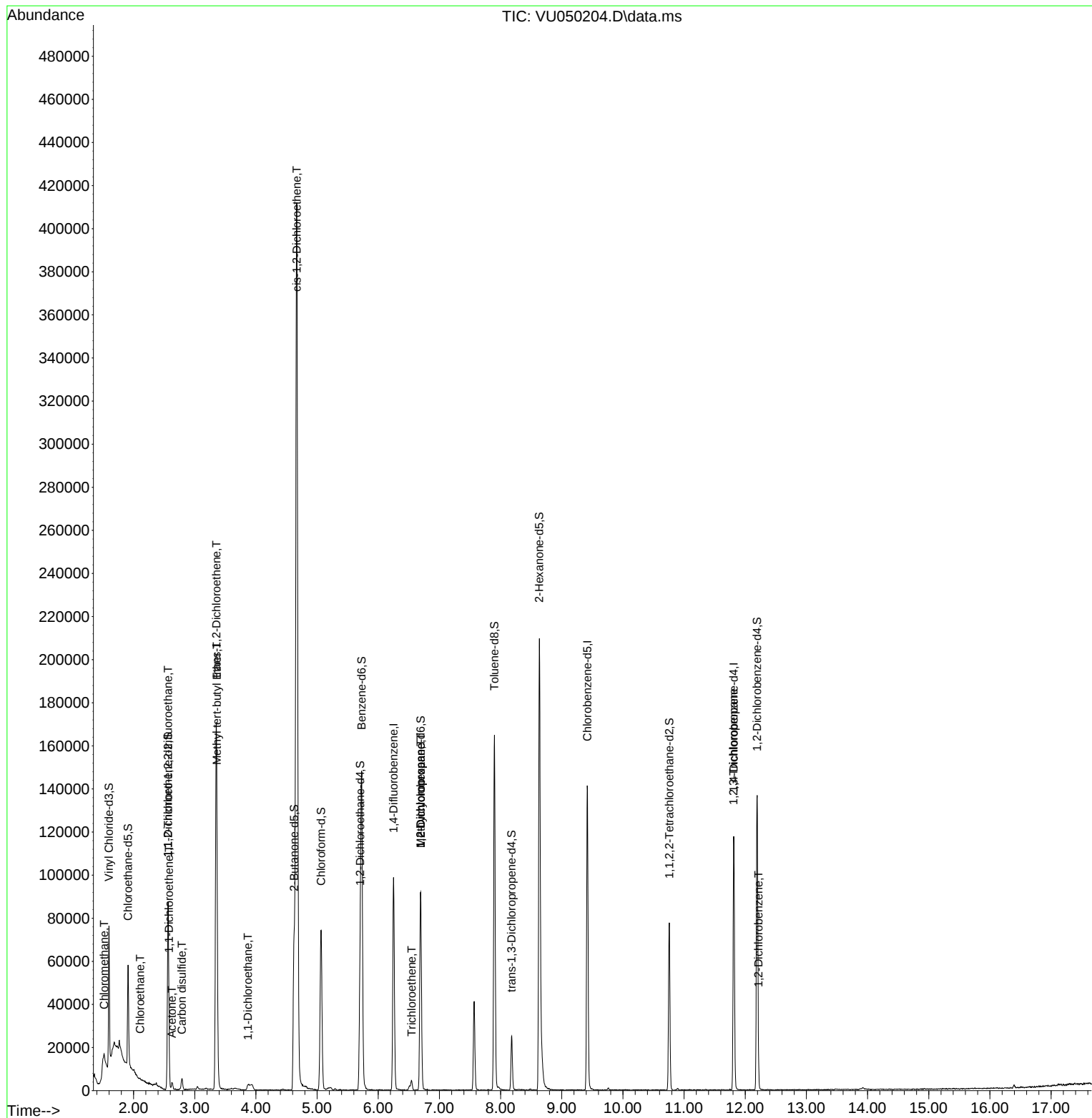
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	80257	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	81162	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32209	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45028	6.742	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 134.800%#		
7) Chloroethane-d5	1.909	69	34936	6.483	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 129.600%		
11) 1,1-Dichloroethene-d2	2.565	65	15693	6.012	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 120.200%		
20) 2-Butanone-d5	4.623	46	99597	61.149	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 122.300%		
24) Chloroform-d	5.067	84	71240	5.734	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 114.600%		
26) 1,2-Dichloroethane-d4	5.703	65	37167	5.827	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 116.600%		
32) Benzene-d6	5.729	84	141556	5.589	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 111.800%		
36) 1,2-Dichloropropane-d6	6.693	67	47531	5.699	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 114.000%		
41) Toluene-d8	7.899	98	111811	4.998	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 100.000%		
43) trans-1,3-Dichloroprop...	8.179	79	15048	5.035	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 100.600%		
46) 2-Hexanone-d5	8.632	63	67384	63.577	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 127.160%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40773	5.567	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 111.400%		
66) 1,2-Dichlorobenzene-d4	12.195	152	37845	5.997	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 120.000%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2787	0.290	ug/L	87
8) Chloroethane	2.105	64	3063	0.603	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	435	0.083	ug/L #	35
12) 1,1-Dichloroethene	2.578	96	2660	0.479	ug/L #	1
13) Acetone	2.626	43	3586	3.953	ug/L	92
14) Carbon disulfide	2.790	76	7241	0.365	ug/L	100
17) Methyl tert-butyl Ether	3.362	73	9484	0.655	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	70362	11.328	ug/L	95
19) 1,1-Dichloroethane	3.870	63	2076	0.176	ug/L #	87
22) cis-1,2-Dichloroethene	4.668	96	219258	31.803	ug/L	98
34) Trichloroethene	6.546	95	1611	0.234	ug/L	87
35) Methylcyclohexane	6.693	83	10511	1.184	ug/L #	18
37) 1,2-Dichloropropane	6.693	63	4780	0.631	ug/L #	91
61) 1,2,3-Trichloropropane	11.809	75	3942	0.898	ug/L #	68
67) 1,2-Dichlorobenzene	12.214	146	1112	0.106	ug/L #	88

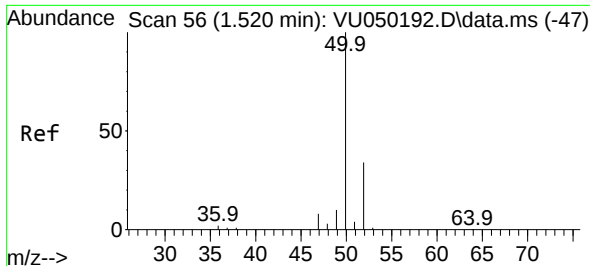
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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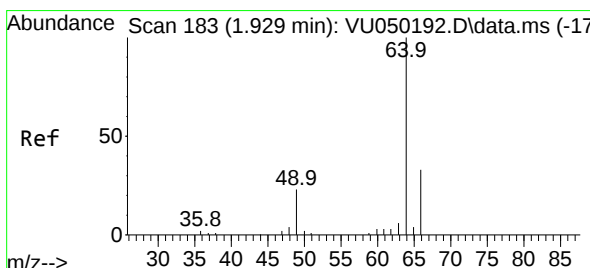
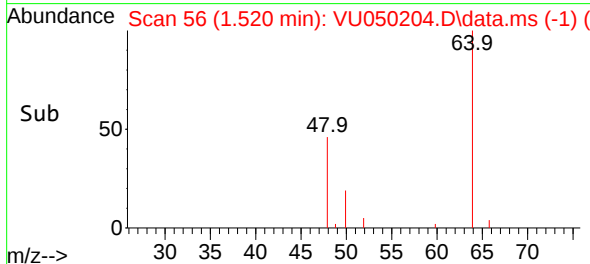
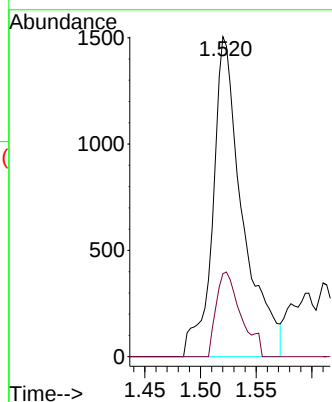
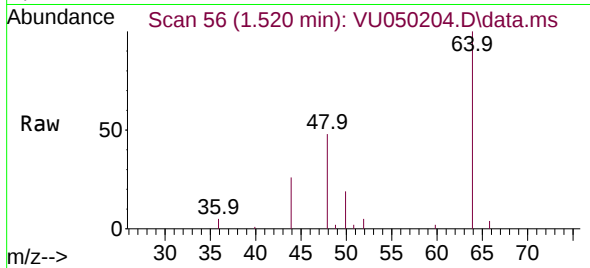




#3
Chloromethane
Concen: 0.290 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU050204.D
Acq: 10 Aug 2022 01:37

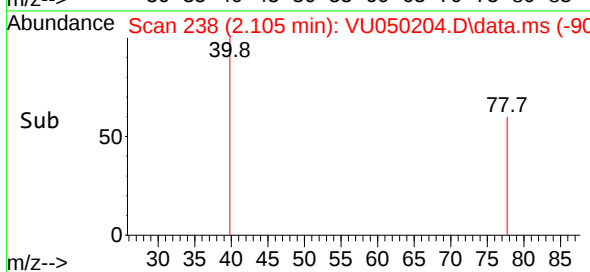
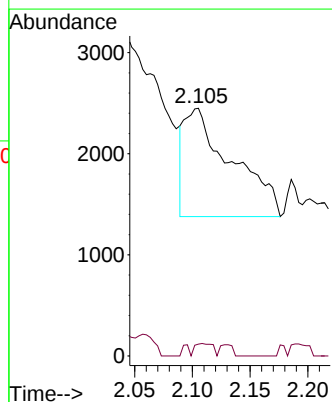
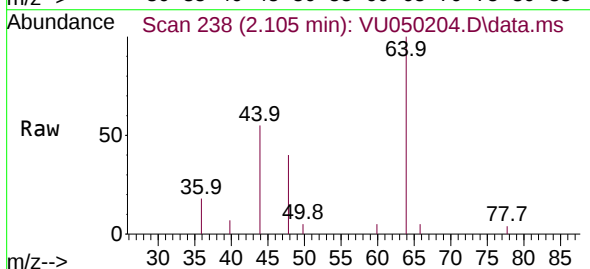
Instrument :
MSVOA_U
ClientSampleId :

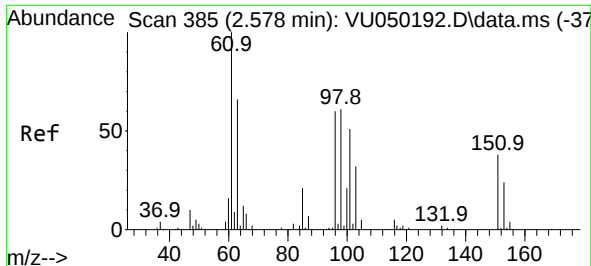
Tgt Ion: 50 Resp: 2787
Ion Ratio Lower Upper
50 100
52 26.0 23.2 43.2



#8
Chloroethane
Concen: 0.603 ug/L
RT: 2.105 min Scan# 238
Delta R.T. 0.177 min
Lab File: VU050204.D
Acq: 10 Aug 2022 01:37

Tgt Ion: 64 Resp: 3063
Ion Ratio Lower Upper
64 100
66 4.8 22.8 42.4#

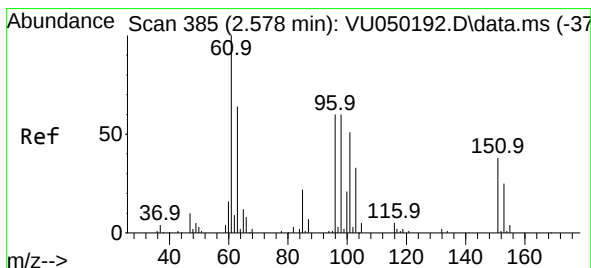
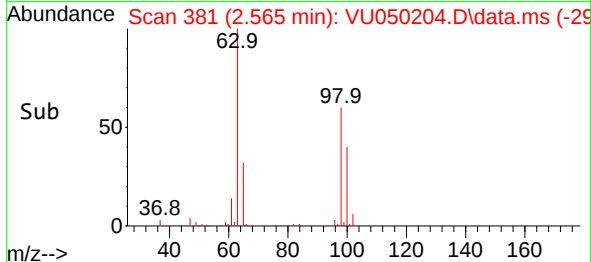
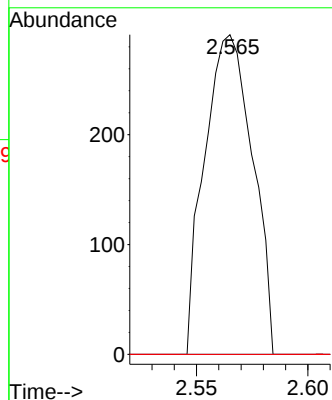
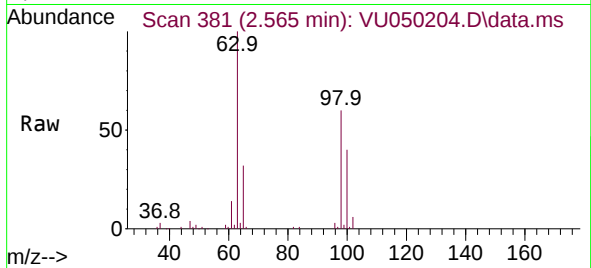




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.083 ug/L
 RT: 2.565 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU050204.D
 Acq: 10 Aug 2022 01:37

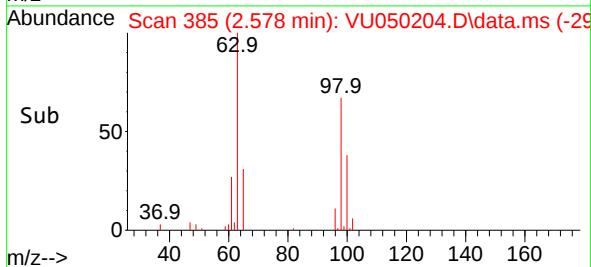
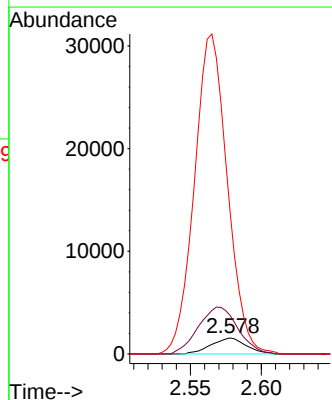
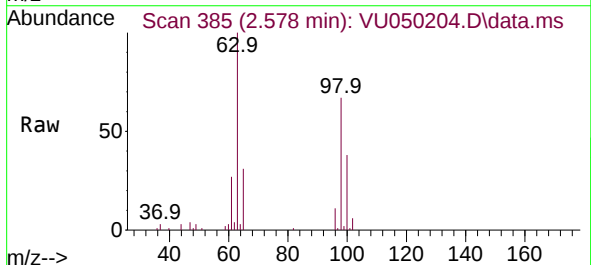
Instrument :
 MSVOA_U
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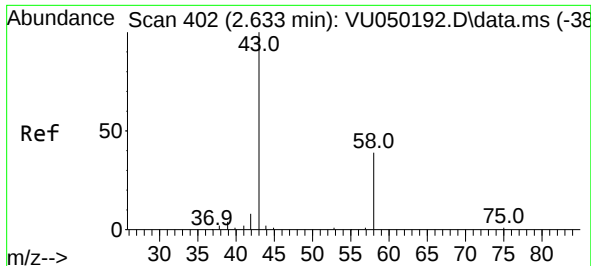
Tgt Ion:101 Resp: 435
 Ion Ratio Lower Upper
 101 100
 85 22.8 35.6 53.4#
 151 0.0 55.2 82.8#



#12
 1,1-Dichloroethene
 Concen: 0.479 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU050204.D
 Acq: 10 Aug 2022 01:37

Tgt Ion: 96 Resp: 2660
 Ion Ratio Lower Upper
 96 100
 61 241.0 122.7 227.9#
 63 888.2 85.1 158.1#





#13

Acetone

Concen: 3.953 ug/L

RT: 2.626 min Scan# 402

Delta R.T. -0.007 min

Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

Instrument :

MSVOA_U

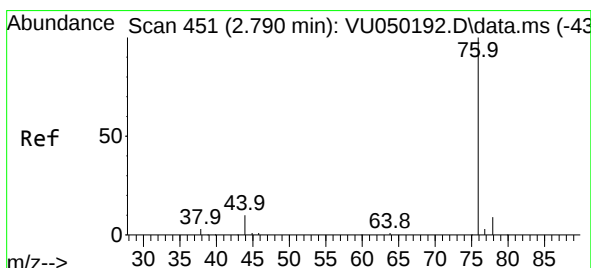
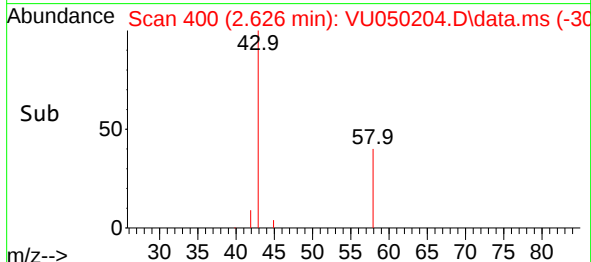
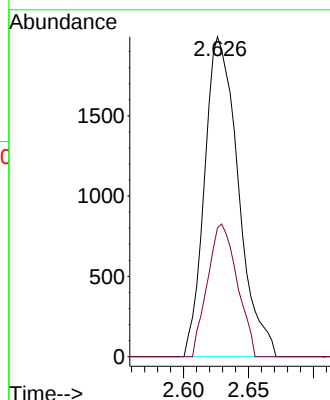
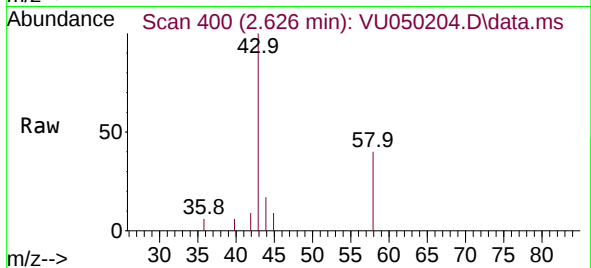
ClientSampleId :

Tgt Ion: 43 Resp: 3586

Ion Ratio Lower Upper

43 100

58 36.4 0.0 64.0



#14

Carbon disulfide

Concen: 0.365 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU050204.D

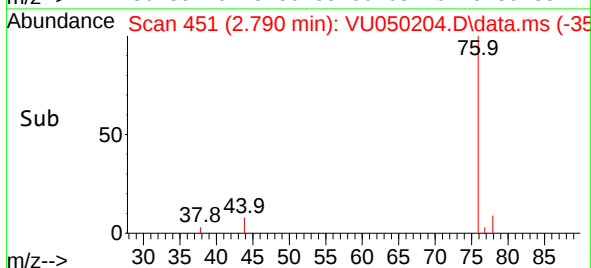
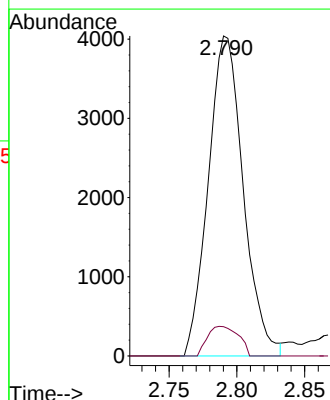
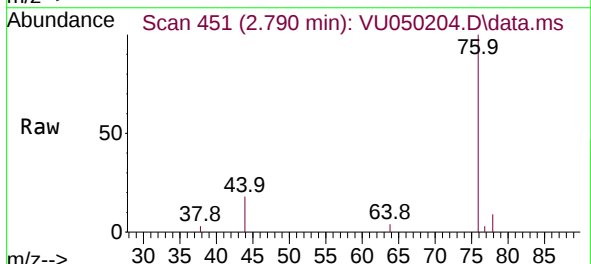
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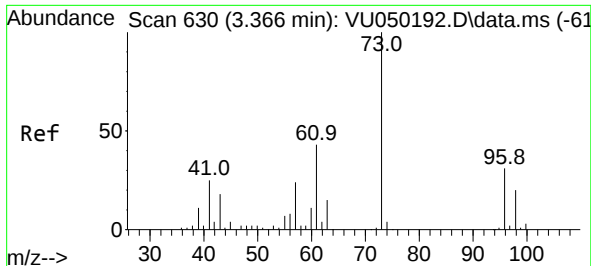
Tgt Ion: 76 Resp: 7241

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#17

Methyl tert-butyl Ether

Concen: 0.655 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050204.D

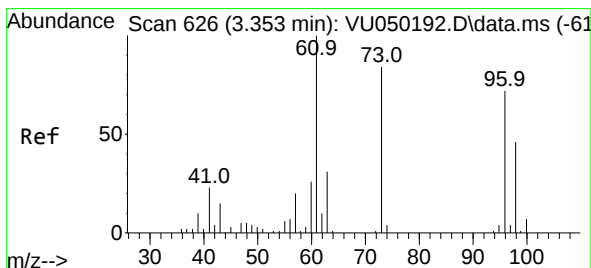
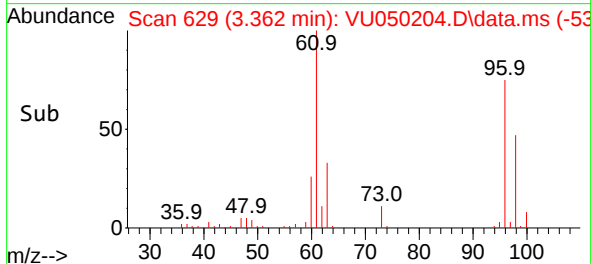
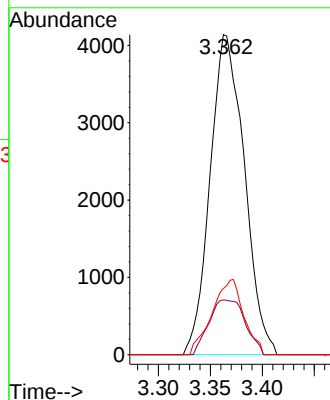
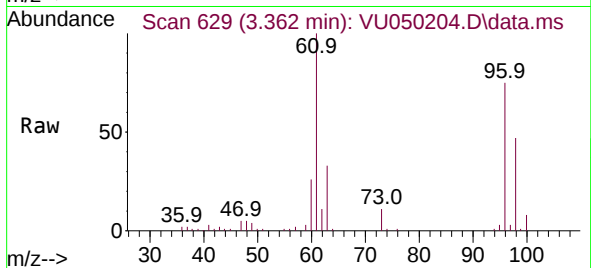
Acq: 10 Aug 2022 01:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp: 9484
Ion Ratio	Lower Upper
73 100	
43 18.1	13.5 20.3
57 21.8	17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 11.328 ug/L

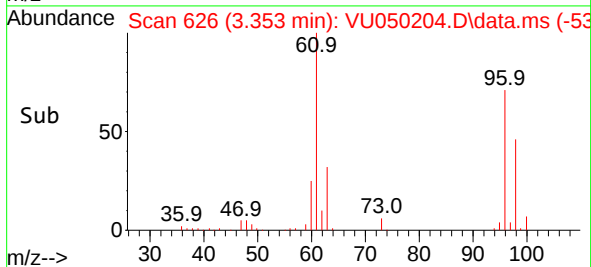
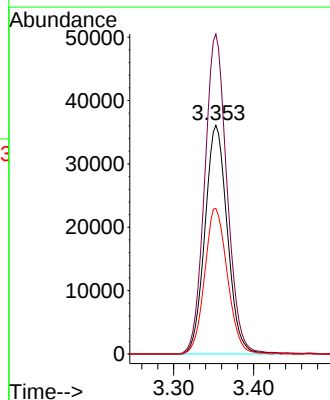
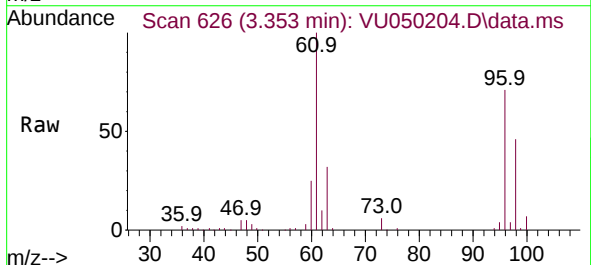
RT: 3.353 min Scan# 626

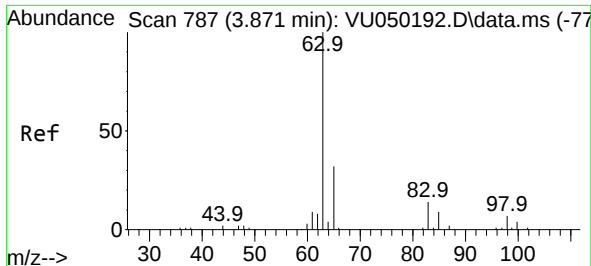
Delta R.T. -0.000 min

Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

Tgt Ion: 96	Resp: 70362
Ion Ratio	Lower Upper
96 100	
61 139.9	92.3 171.5
98 63.7	43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.176 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

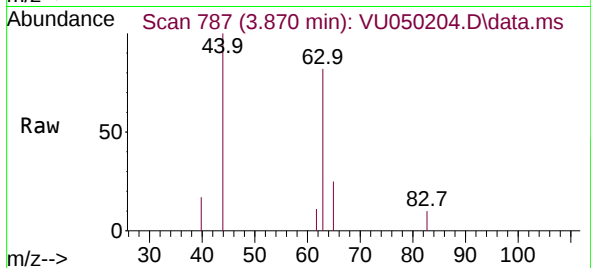
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Acq: 10 Aug 2022 01:37

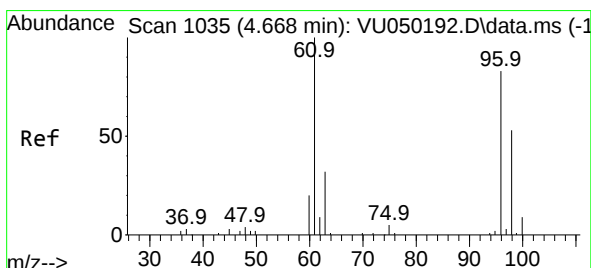
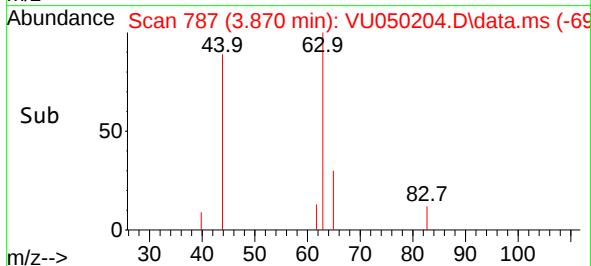
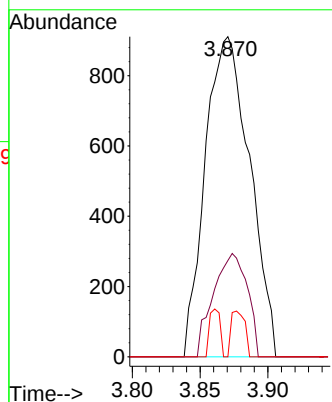
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	63	Resp:	2076
Ion	Ratio	Lower	Upper
63	100		
65	30.1	22.7	42.3
83	0.0	9.8	18.2



#22

cis-1,2-Dichloroethene

Concen: 31.803 ug/L

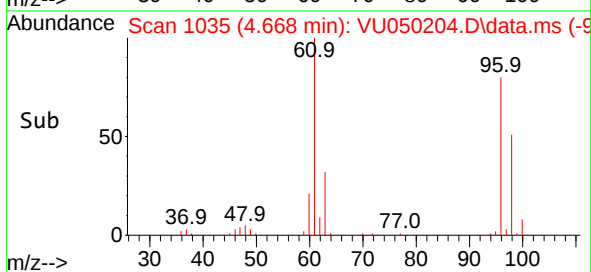
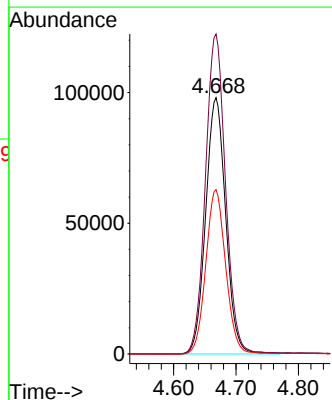
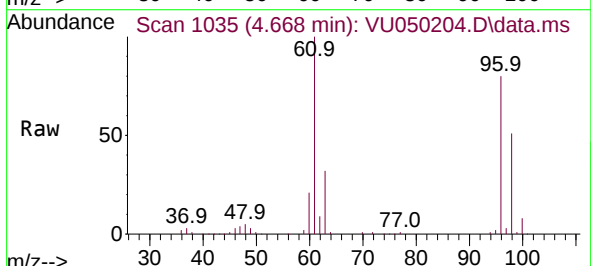
RT: 4.668 min Scan# 1035

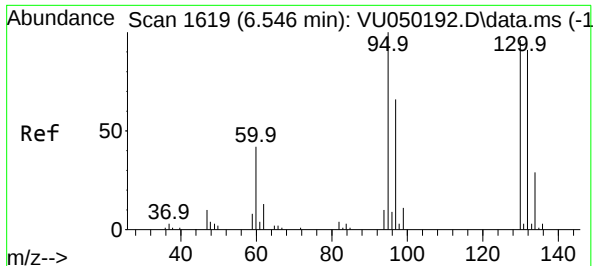
Delta R.T. -0.000 min

Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

Tgt Ion:	96	Resp:	219258
Ion	Ratio	Lower	Upper
96	100		
61	124.9	89.0	165.4
98	64.1	45.2	84.0



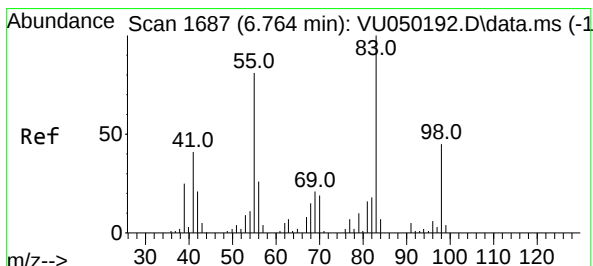
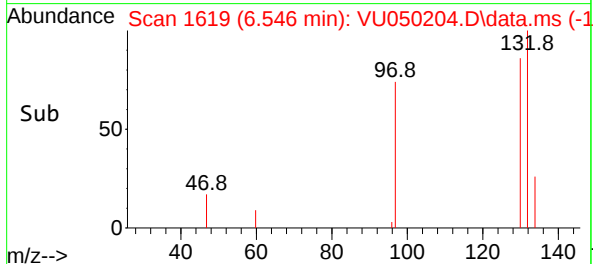
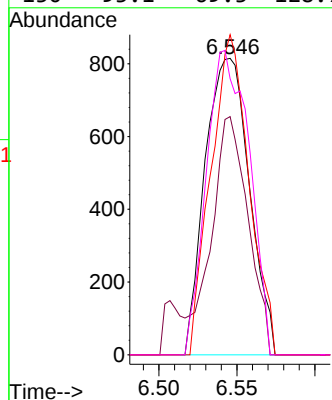
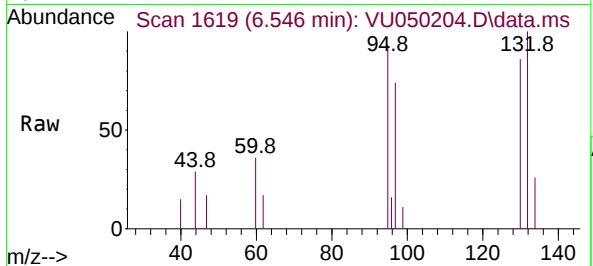


#34
Trichloroethene
Concen: 0.234 ug/L
RT: 6.546 min Scan# 1611
Delta R.T. -0.000 min
Lab File: VU050204.D
Acq: 10 Aug 2022 01:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 1611

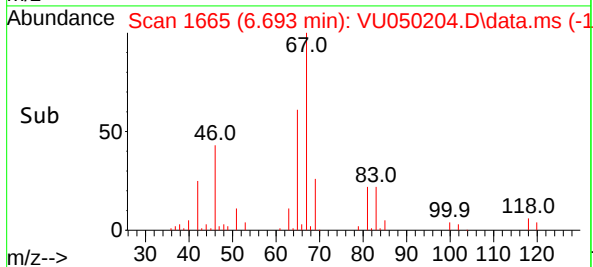
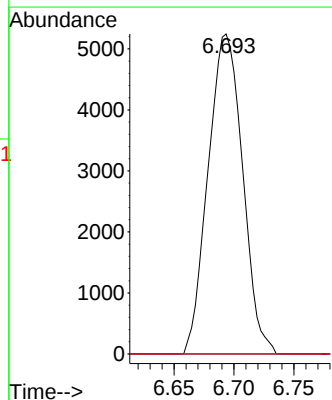
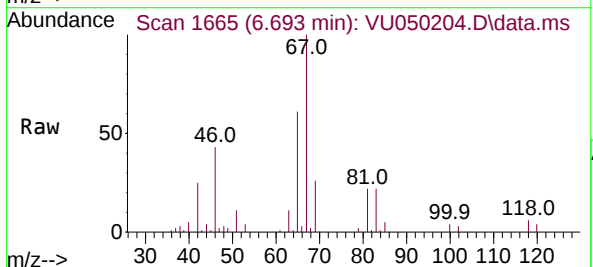
Ion	Ratio	Lower	Upper
95	100		
97	80.4	45.6	84.8
132	108.0	65.0	120.6
130	93.1	69.3	128.7

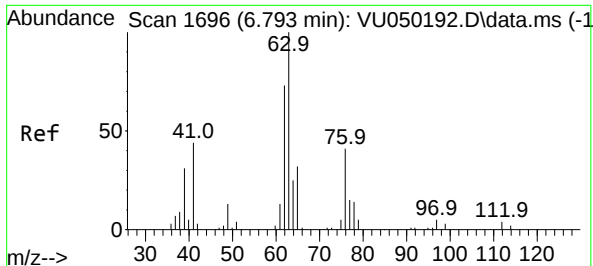


#35
Methylcyclohexane
Concen: 1.184 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU050204.D
Acq: 10 Aug 2022 01:37

Tgt Ion: 83 Resp: 10511

Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.7	94.1#
98	0.0	36.2	54.2#





#37

1,2-Dichloropropane

Concen: 0.631 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

Instrument :

MSVOA_U

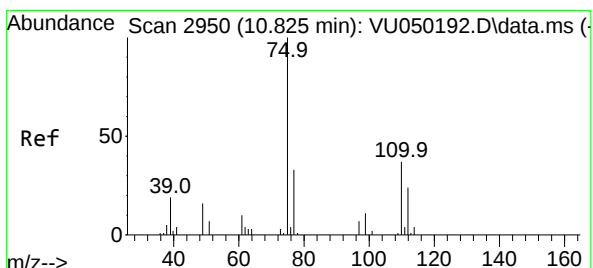
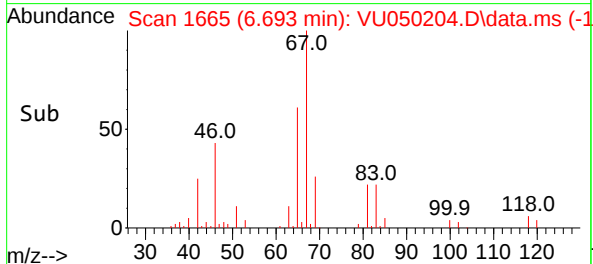
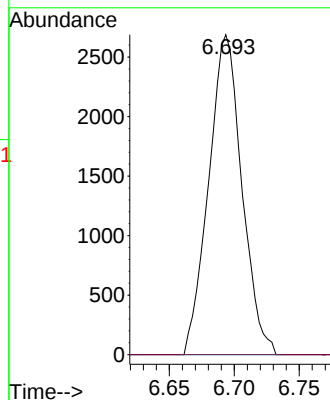
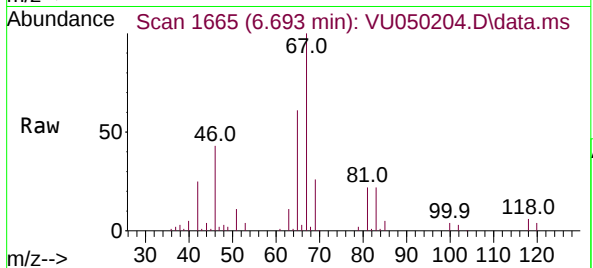
ClientSampleId :

Tgt Ion: 63 Resp: 4780

Ion Ratio Lower Upper

63 100

112 0.9 3.0 4.4#



#61

1,2,3-Trichloropropane

Concen: 0.898 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.984 min

Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

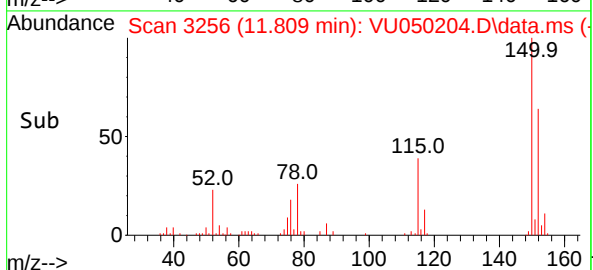
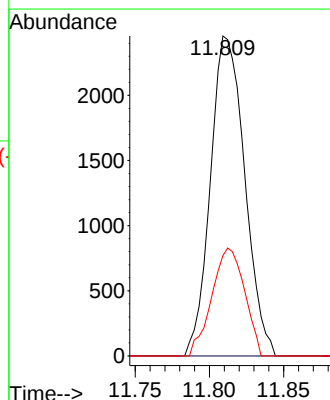
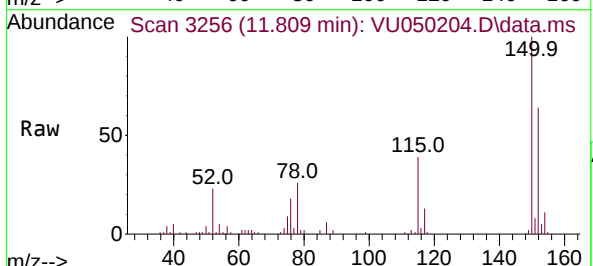
Tgt Ion: 75 Resp: 3942

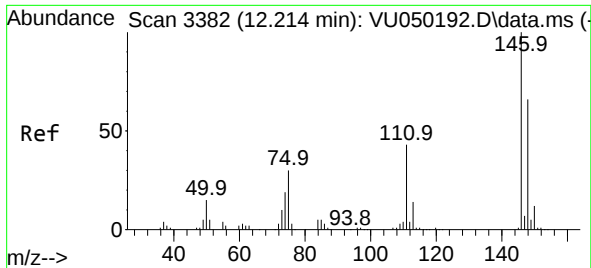
Ion Ratio Lower Upper

75 100

110 0.0 28.5 42.7#

77 32.1 25.8 38.6





#67

1,2-Dichlorobenzene

Concen: 0.106 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

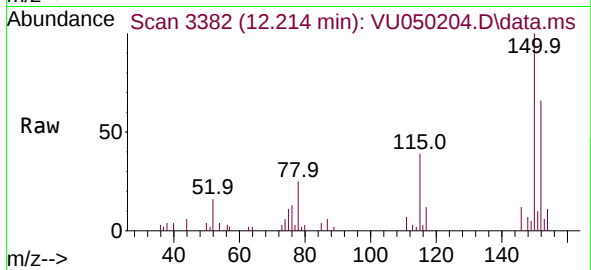
Lab File: VU050204.D

Acq: 10 Aug 2022 01:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 1112

Ion Ratio Lower Upper

146 100

111 56.1 32.9 49.3#

148 59.7 50.4 75.6

