

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023701.D
 Acq On : 24 Nov 2021 15:29
 Operator : SY/MD
 Sample : M4821-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:54:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 01:51:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	137068	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	132841	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62328	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45190	4.016	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	80.400%	
7) Chloroethane-d5	1.568	69	38035	4.300	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	86.000%	
11) 1,1-Dichloroethene-d2	2.108	63	62118	3.132	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	62.600%	
20) 2-Butanone-d5	3.889	46	92669	68.508	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	137.020%#	
24) Chloroform-d	4.349	84	85038	4.340	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.800%	
26) 1,2-Dichloroethane-d4	5.034	65	42544	4.648	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
32) Benzene-d6	5.050	84	168194	4.648	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.000%	
36) 1,2-Dichloropropane-d6	6.069	67	49057	4.836	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	96.800%	
41) Toluene-d8	7.317	98	145029	4.289	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.800%	
43) trans-1,3-Dichloroprop...	7.625	79	17845	4.364	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.200%	
46) 2-Hexanone-d5	8.088	63	70647	51.998	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.000%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35138	4.813	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	56807	5.155	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.200%	
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	49531	4.172	ug/L	94
6) Bromomethane	1.523	94	395	0.059	ug/L	93
8) Chloroethane	1.484	64	63322	8.416	ug/L #	55
12) 1,1-Dichloroethene	2.114	96	1452	0.158	ug/L #	1
13) Acetone	2.185	43	4441	3.649	ug/L	80
17) Methyl tert-butyl Ether	2.767	73	614037	32.627	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	84550	8.083	ug/L	98
19) 1,1-Dichloroethane	3.191	63	18988	1.080	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	458153	45.672	ug/L	100
33) Benzene	5.108	78	10092	0.266	ug/L	100
34) Trichloroethene	5.915	95	119469	11.776	ug/L	98
35) Methylcyclohexane	6.069	83	12806	0.810	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	6421	0.713	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1517	0.118	ug/L #	61
42) Toluene	7.397	91	3218	0.078	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	6476	1.465	ug/L #	59

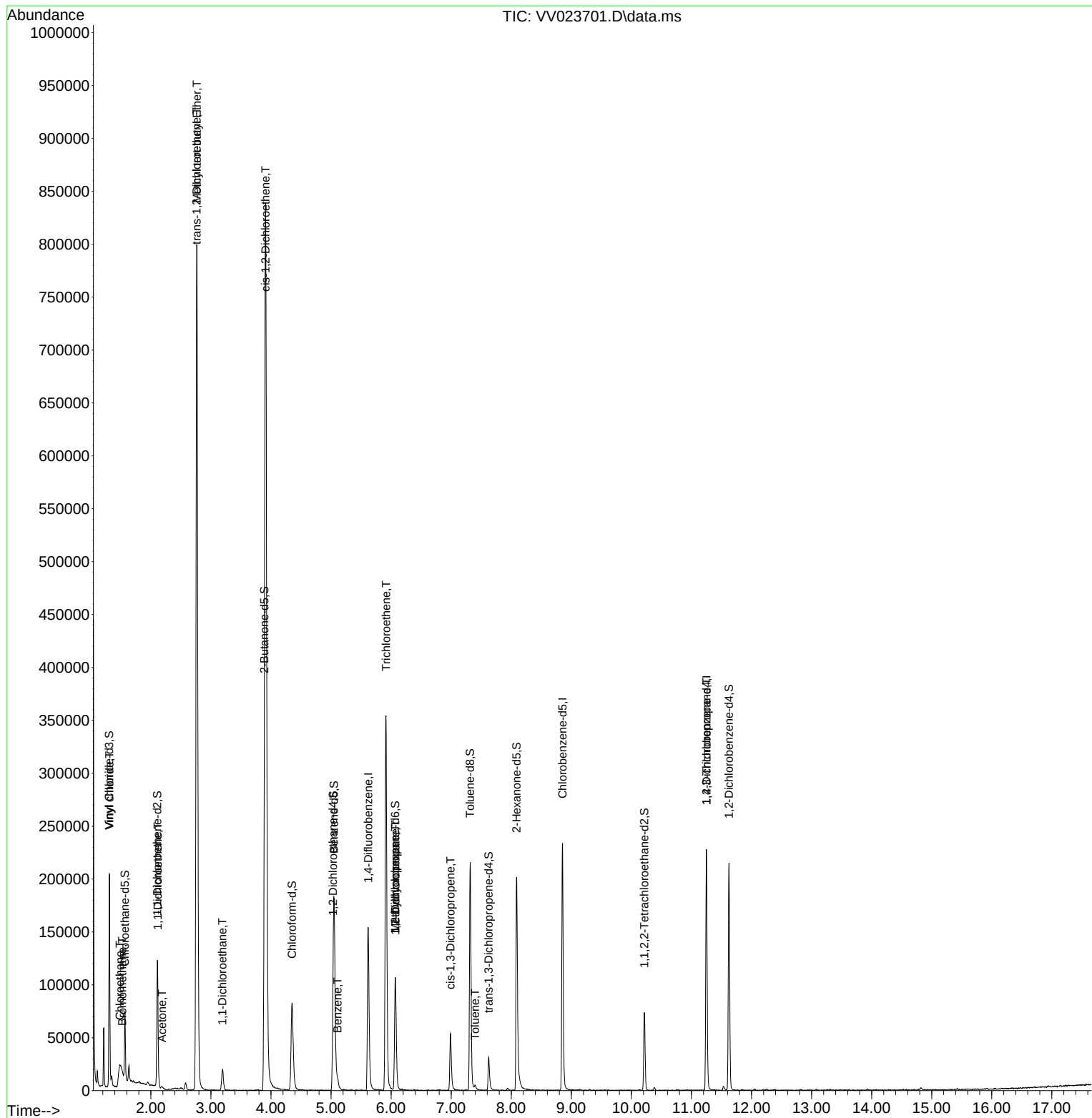
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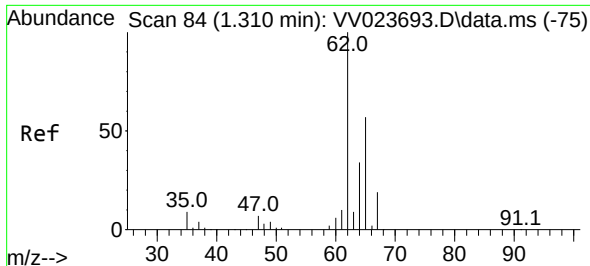
Instrument :
MSVOA_V
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 01:51:50 2021
Response via : Initial Calibration

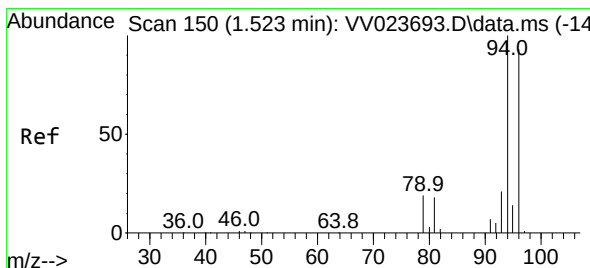
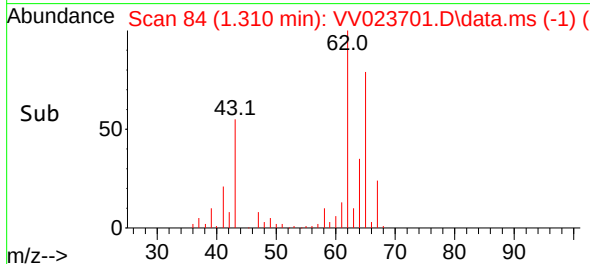
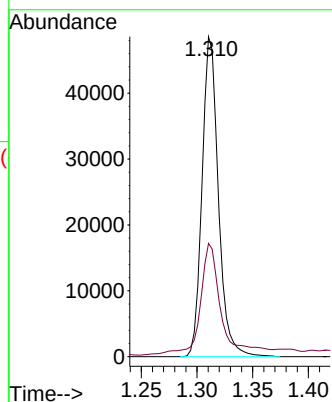
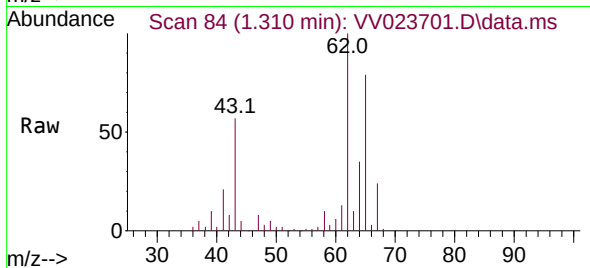




#5
 Vinyl chloride
 Concen: 4.172 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29

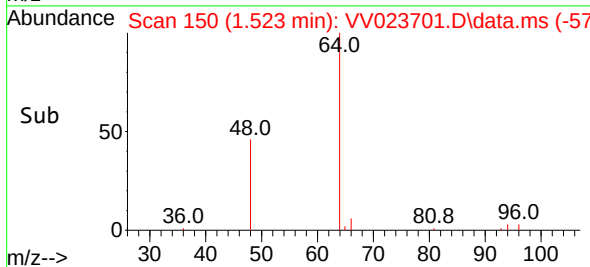
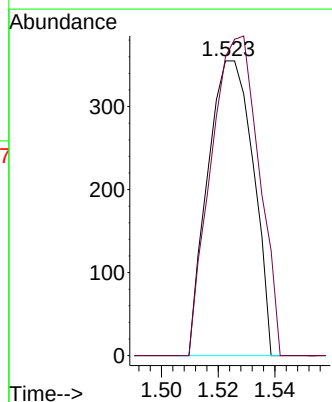
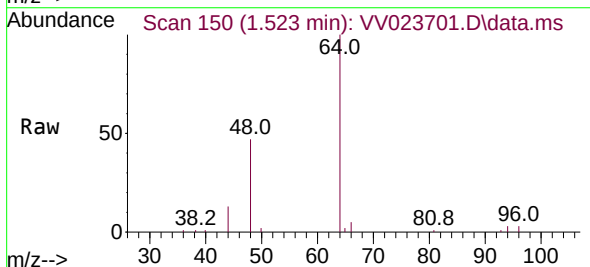
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 MSVOA_V
 ClientSampleId :

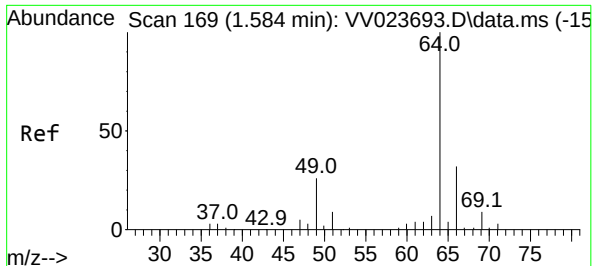
Tgt Ion: 62 Resp: 49531
 Ion Ratio Lower Upper
 62 100
 64 35.4 22.4 41.6



#6
 Bromomethane
 Concen: 0.059 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29

Tgt Ion: 94 Resp: 395
 Ion Ratio Lower Upper
 94 100
 96 101.4 66.2 123.0

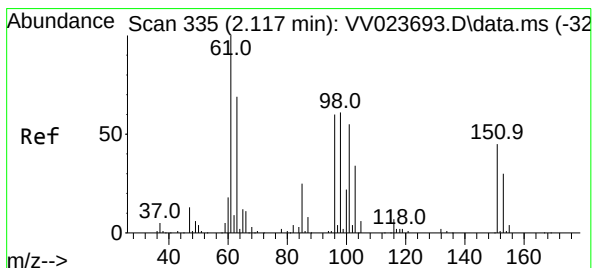
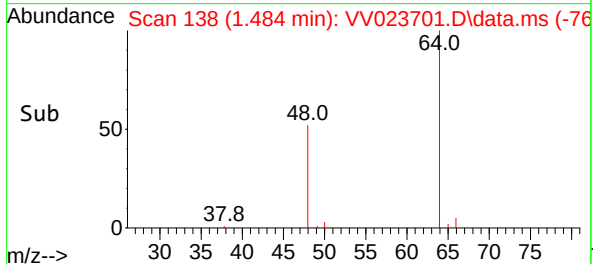
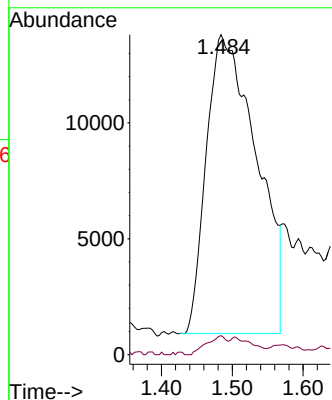
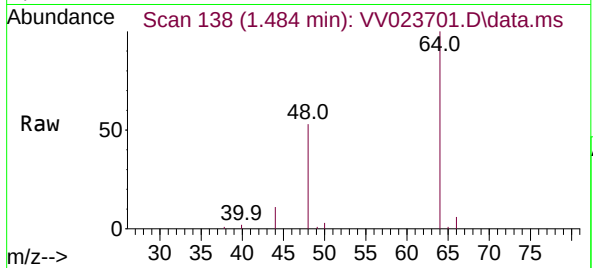




#8
Chloroethane
Concen: 8.416 ug/L
RT: 1.484 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

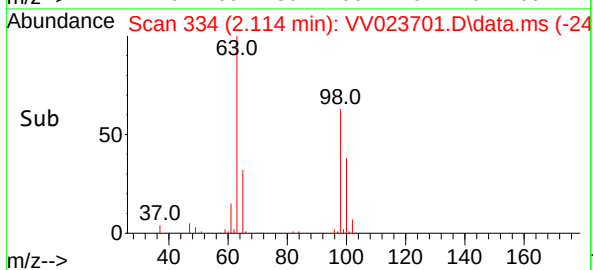
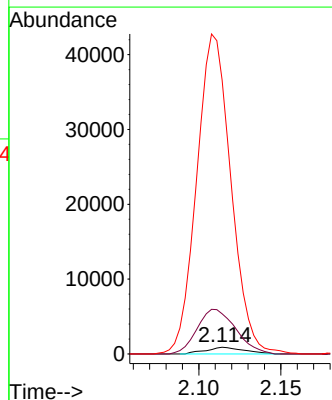
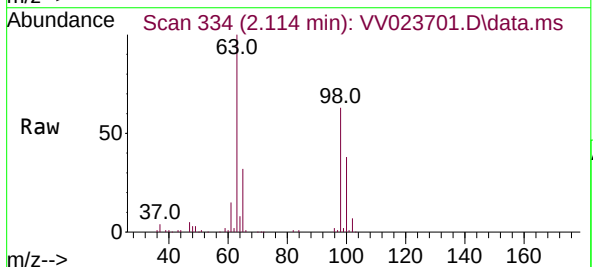
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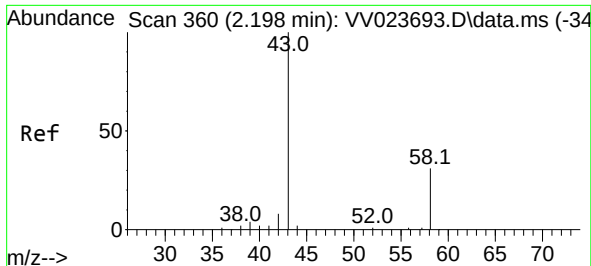
Tgt Ion: 64 Resp: 63322
Ion Ratio Lower Upper
64 100
66 6.0 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.158 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

Tgt Ion: 96 Resp: 1452
Ion Ratio Lower Upper
96 100
61 604.0 116.1 215.5#
63 4112.4 79.4 147.4#





#13

Acetone

Concen: 3.649 ug/L

RT: 2.185 min Scan# 3

Delta R.T. -0.013 min

Lab File: VV023701.D

Acq: 24 Nov 2021 15:29

Instrument :

MSVOA_V

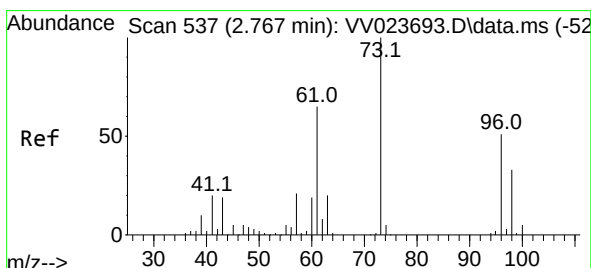
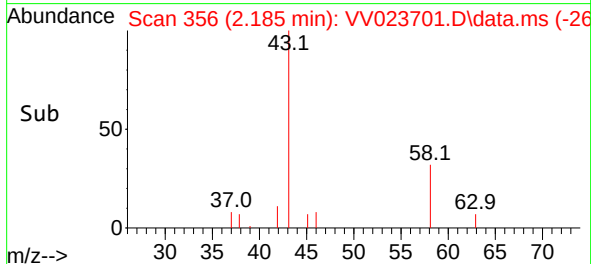
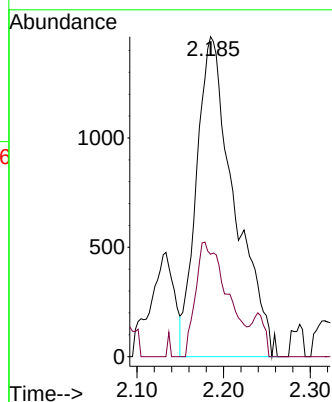
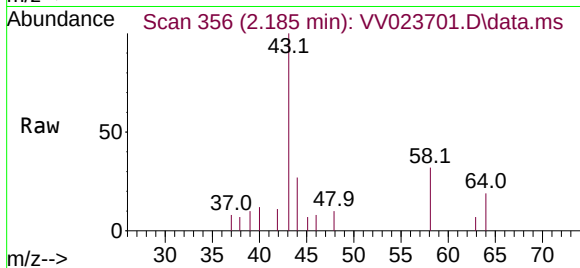
ClientSampleId :

Tgt Ion: 43 Resp: 4441

Ion Ratio Lower Upper

43 100

58 29.9 0.0 41.4



#17

Methyl tert-butyl Ether

Concen: 32.627 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.000 min

Lab File: VV023701.D

Acq: 24 Nov 2021 15:29

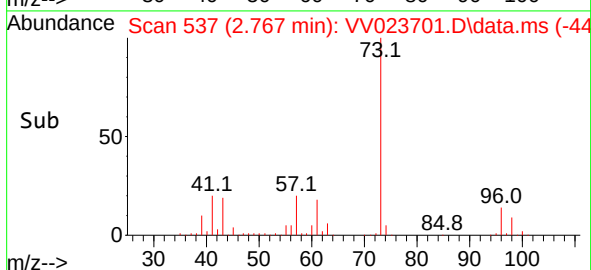
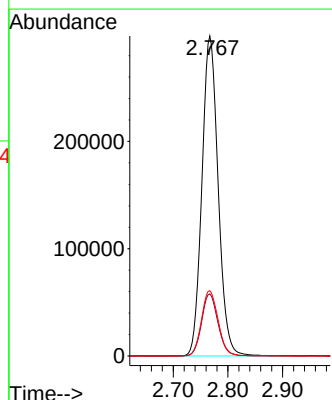
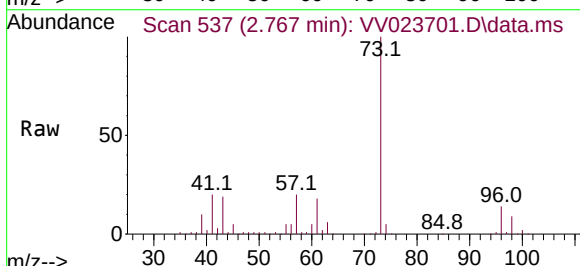
Tgt Ion: 73 Resp: 614037

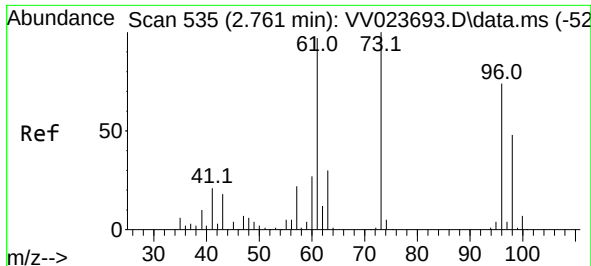
Ion Ratio Lower Upper

73 100

43 19.5 15.5 23.3

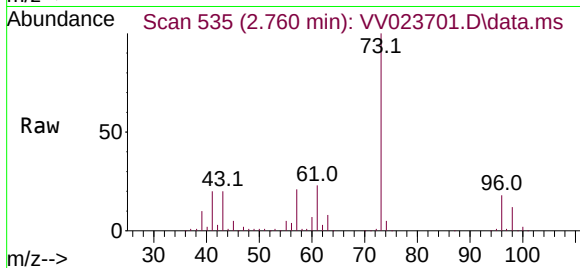
57 21.0 17.1 25.7



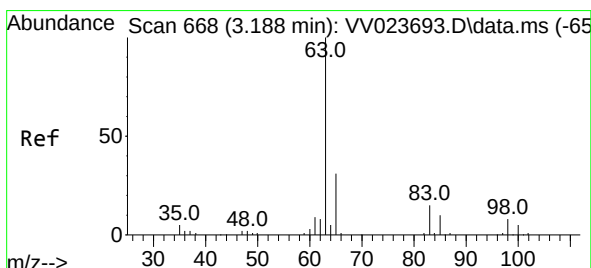
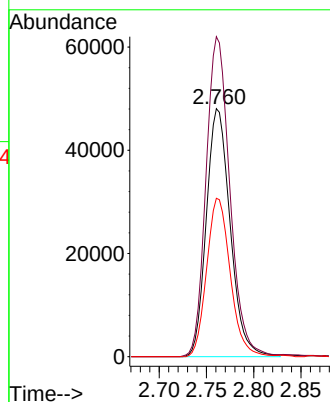
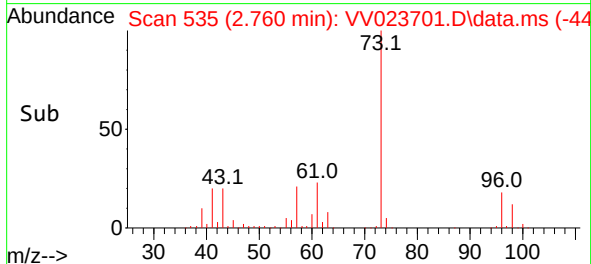


#18
 trans-1,2-Dichloroethene
 Concen: 8.083 ug/L
 RT: 2.760 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29

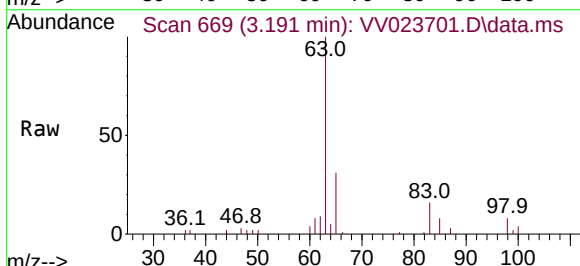
Instrument :
 MSVOA_V
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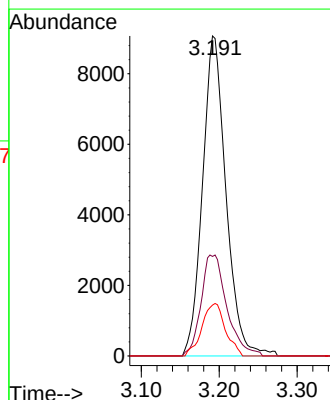
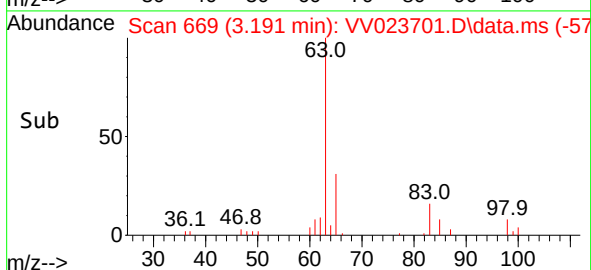
Tgt Ion: 96 Resp: 84550
 Ion Ratio Lower Upper
 96 100
 61 129.1 88.2 163.8
 98 63.9 44.9 83.5

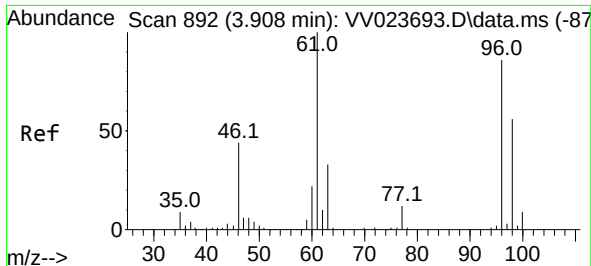


#19
 1,1-Dichloroethane
 Concen: 1.080 ug/L
 RT: 3.191 min Scan# 669
 Delta R.T. 0.003 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29



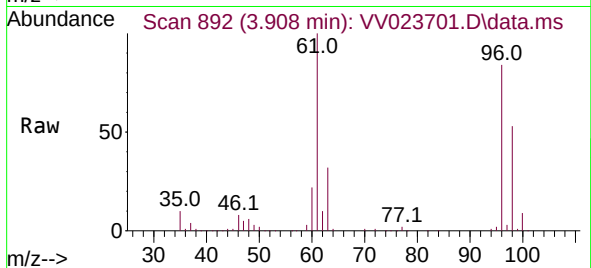
Tgt Ion: 63 Resp: 18988
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.3
 83 15.9 10.7 19.9



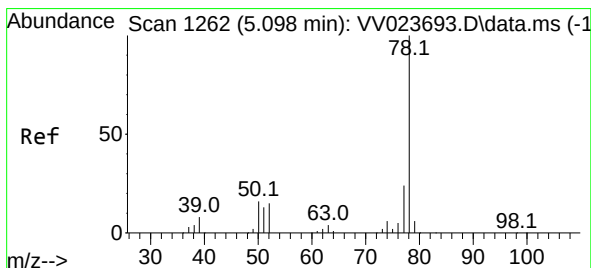
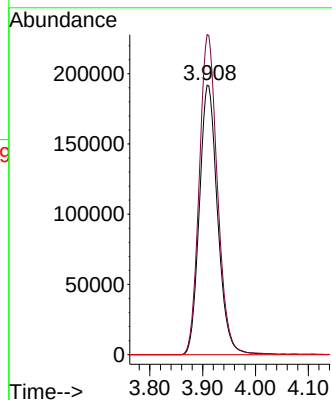
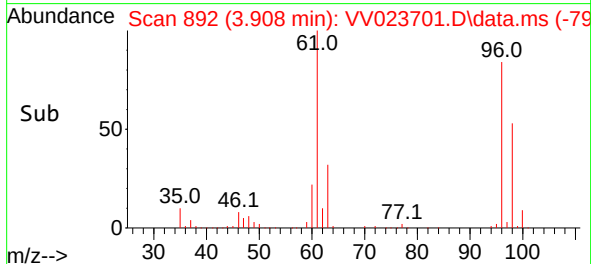


#22
 cis-1,2-Dichloroethene
 Concen: 45.672 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. -0.000 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

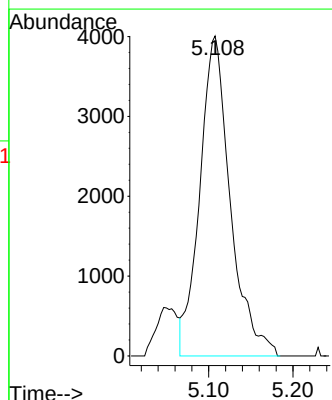
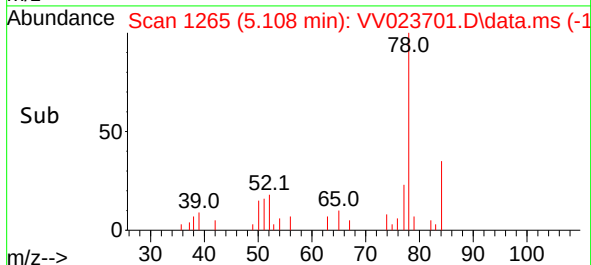
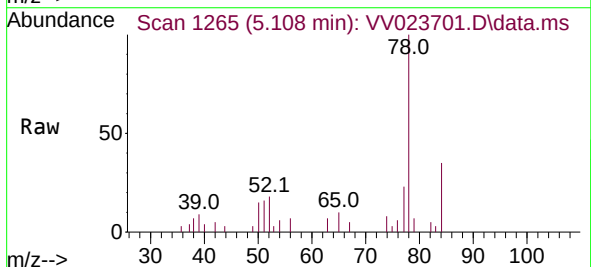


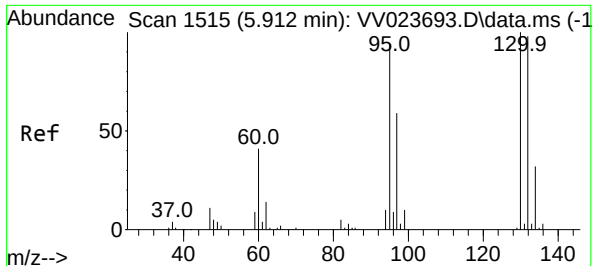
Tgt Ion: 96 Resp: 458153
 Ion Ratio Lower Upper
 96 100
 61 118.7 83.4 154.8
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.266 ug/L
 RT: 5.108 min Scan# 1265
 Delta R.T. 0.010 min
 Lab File: VV023701.D
 Acq: 24 Nov 2021 15:29

Tgt Ion: 78 Resp: 10092

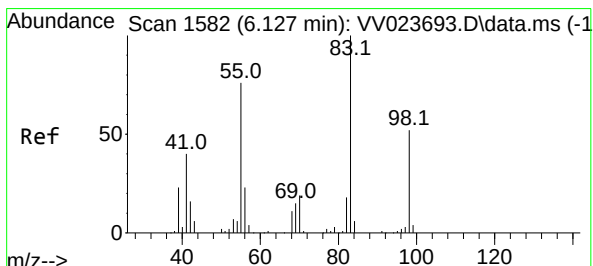
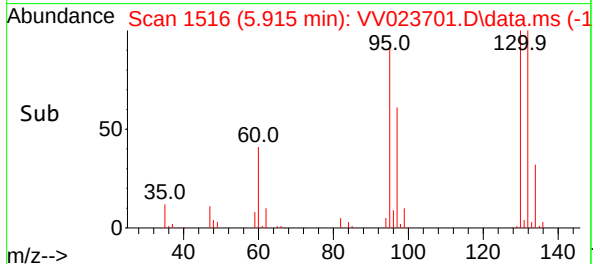
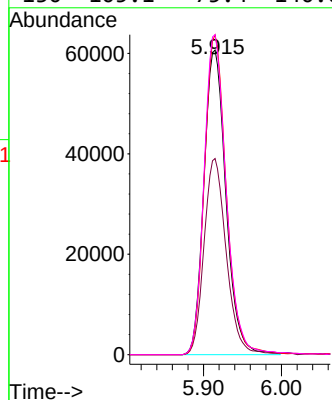
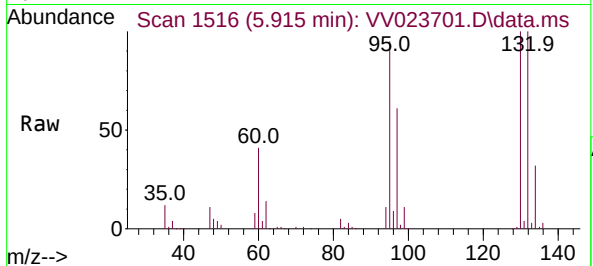




#34
Trichloroethene
Concen: 11.776 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

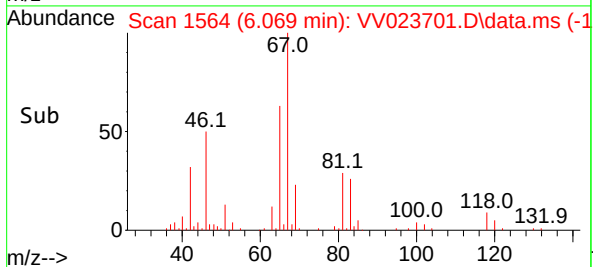
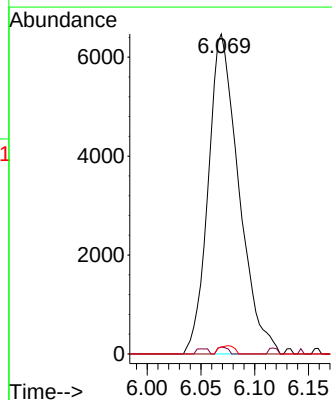
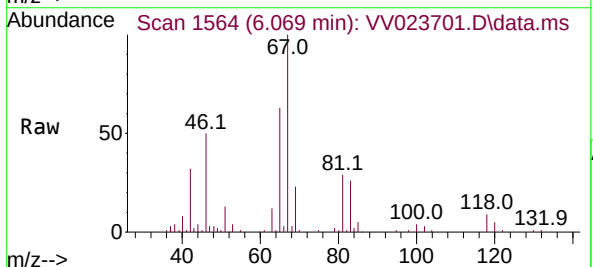
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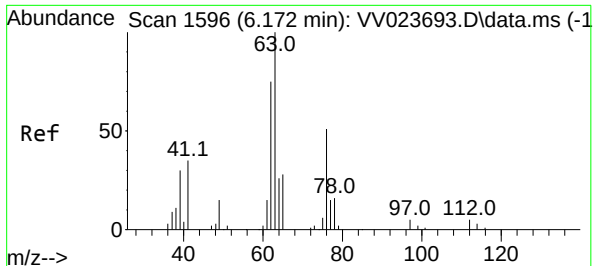
Tgt Ion: 95 Resp: 119469
Ion Ratio Lower Upper
95 100
97 64.4 45.2 84.0
132 105.0 76.1 141.3
130 105.1 75.4 140.0



#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

Tgt Ion: 83 Resp: 12806
Ion Ratio Lower Upper
83 100
55 0.7 60.2 90.2#
98 1.3 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.713 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023701.D

Acq: 24 Nov 2021 15:29

Instrument :

MSVOA_V

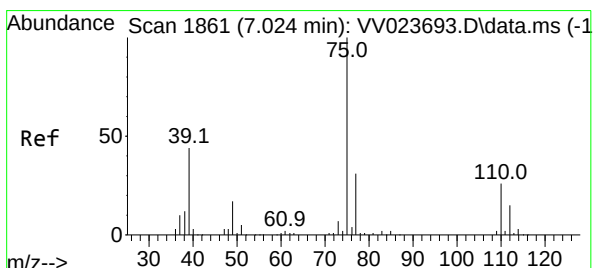
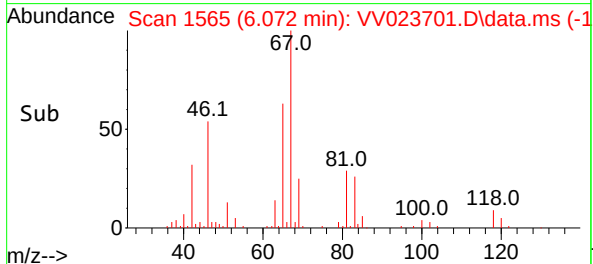
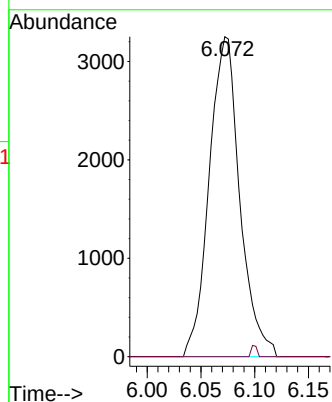
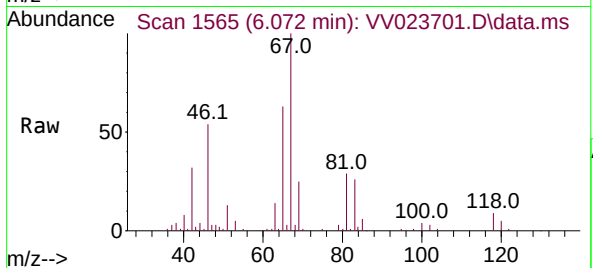
ClientSampleId :

Tgt Ion: 63 Resp: 6421

Ion Ratio Lower Upper

63 100

112 0.7 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV023701.D

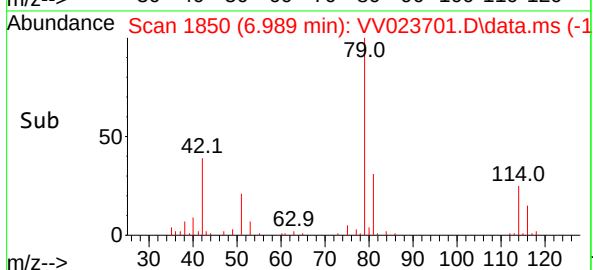
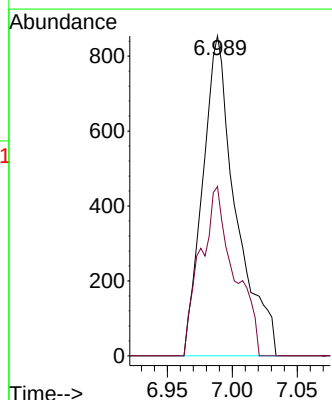
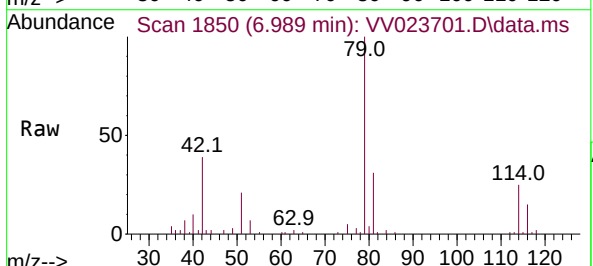
Acq: 24 Nov 2021 15:29

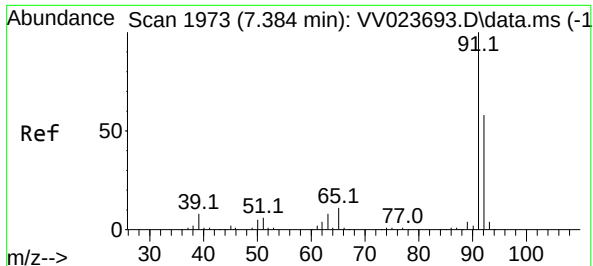
Tgt Ion: 75 Resp: 1517

Ion Ratio Lower Upper

75 100

77 52.9 22.0 41.0#

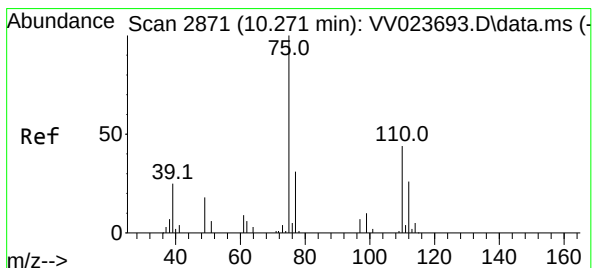
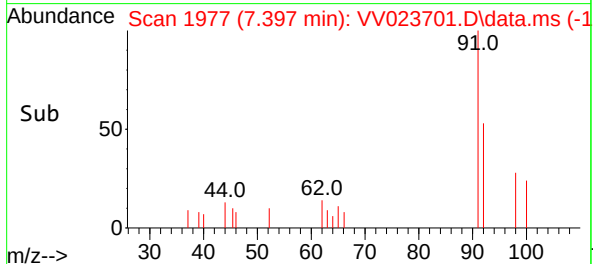
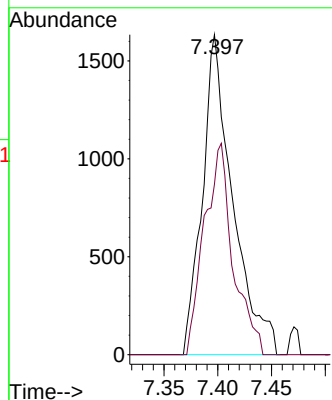
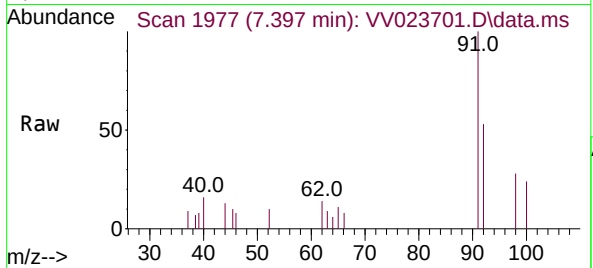




#42
Toluene
Concen: 0.078 ug/L
RT: 7.397 min Scan# 1973
Delta R.T. 0.013 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 3218
Ion Ratio Lower Upper
91 100
92 53.2 41.5 77.1



#61
1,2,3-Trichloropropane
Concen: 1.465 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023701.D
Acq: 24 Nov 2021 15:29

Tgt Ion: 75 Resp: 6476
Ion Ratio Lower Upper
75 100
77 39.6 26.4 39.6#
110 2.3 34.2 51.2#

