

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023711.D
 Acq On : 24 Nov 2021 19:27
 Operator : SY/MD
 Sample : M4821-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:56:52 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	133681	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	129127	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59741	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	38631	3.520	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.568	69	33493	3.883	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.108	63	55356	2.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.200%#
20) 2-Butanone-d5	3.896	46	56058	42.492	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.980%
24) Chloroform-d	4.352	84	80162	4.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	5.034	65	39239	4.395	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.050	84	146372	4.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.069	67	44636	4.526	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.317	98	125573	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	7.625	79	16134	4.059	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.092	63	64647	48.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.900%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31269	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	50700	4.800	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%

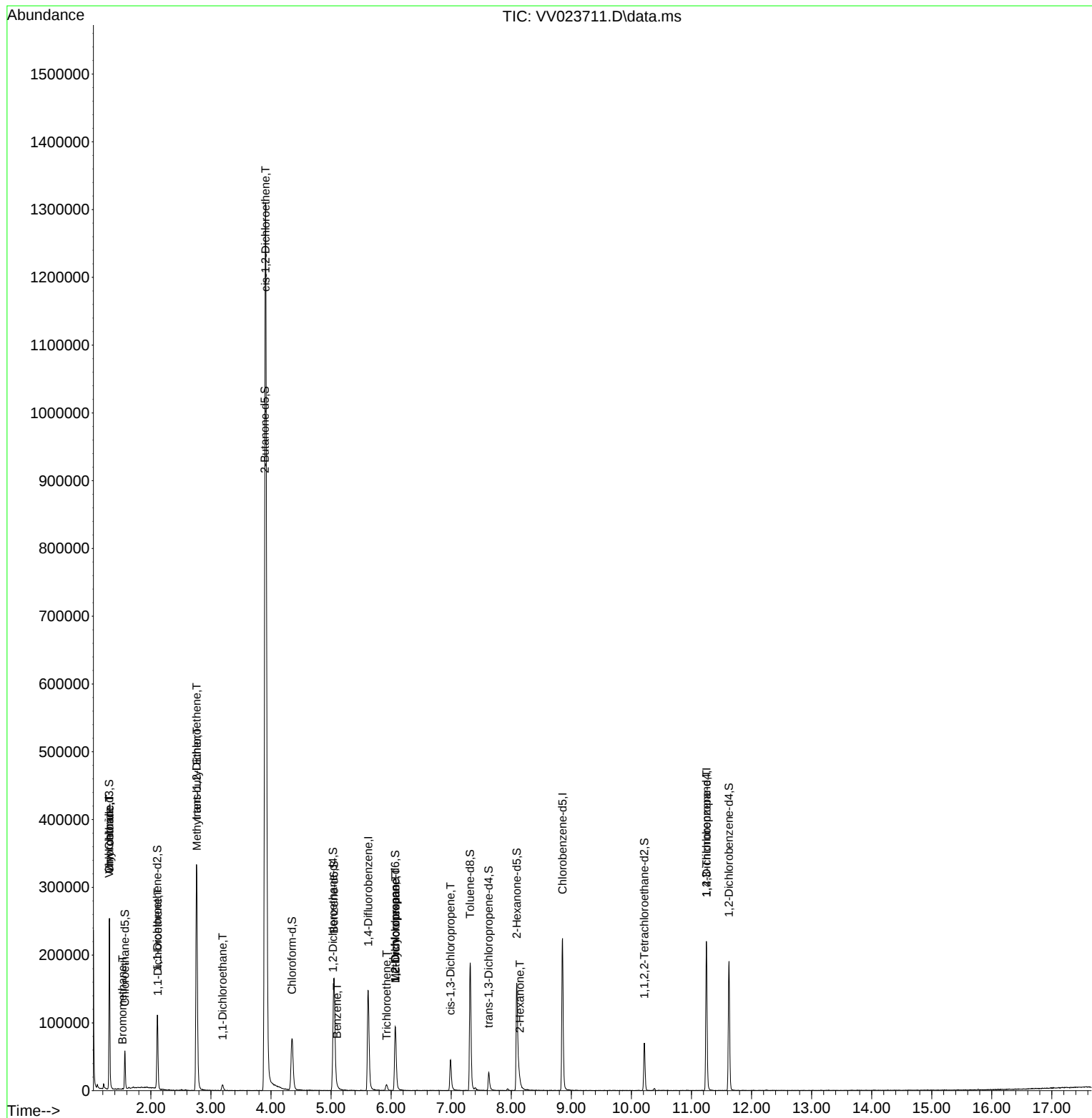
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	119995	10.363	ug/L	98
6) Bromomethane	1.526	94	343	0.052	ug/L	90
8) Chloroethane	1.311	64	38864	5.296	ug/L #	48
12) 1,1-Dichloroethene	2.118	96	2224	0.248	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	29878	1.628	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	118056	11.572	ug/L	98
19) 1,1-Dichloroethane	3.195	63	7970	0.465	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	725237	74.129	ug/L	99
33) Benzene	5.098	78	2700	0.073	ug/L	100
34) Trichloroethene	5.928	95	2809	0.285	ug/L	92
35) Methylcyclohexane	6.072	83	11984	0.779	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5395	0.617	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1336	0.107	ug/L #	56
48) 2-Hexanone	8.143	43	3246	1.051	ug/L #	55
61) 1,2,3-Trichloropropane	11.249	75	6319	1.491	ug/L #	65

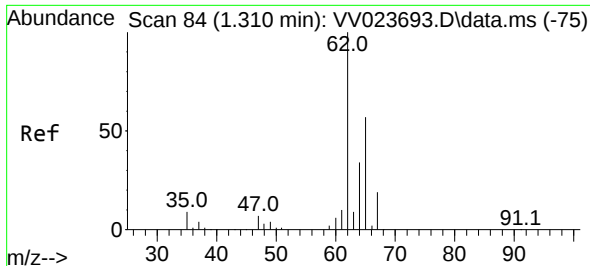
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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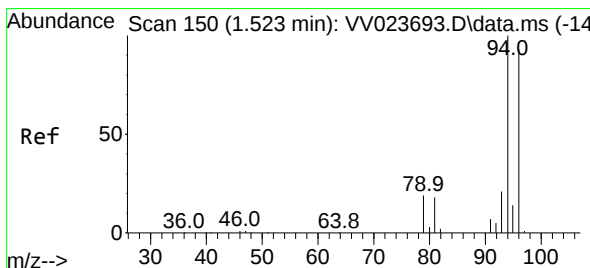
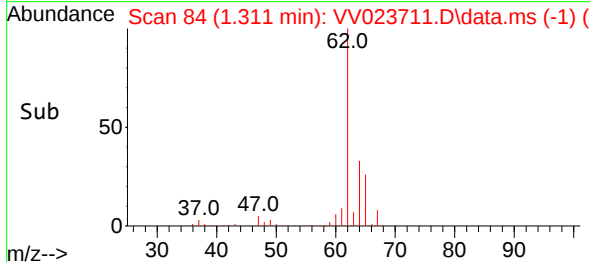
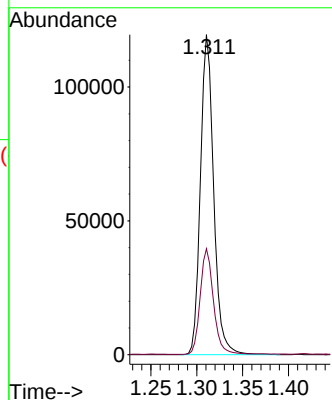
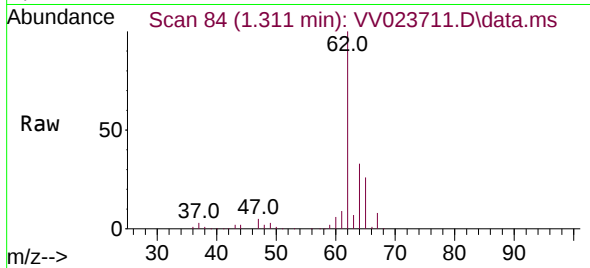




#5
 Vinyl chloride
 Concen: 10.363 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023711.D
 Acq: 24 Nov 2021 19:27

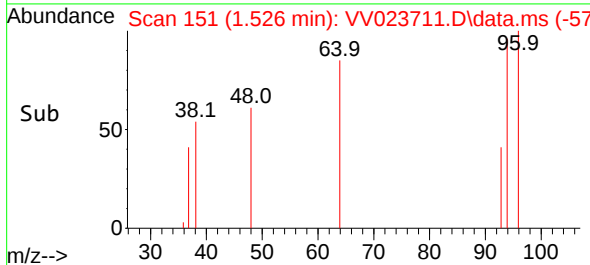
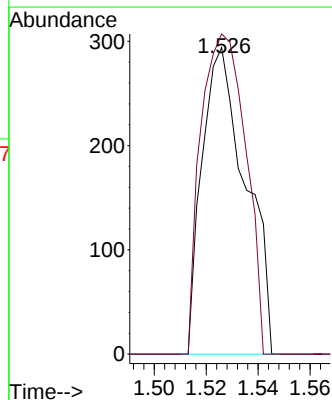
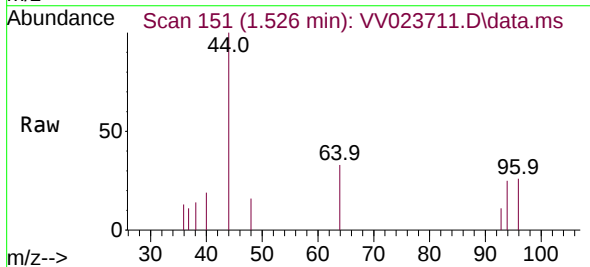
Instrument :
 MSVOA_V
 ClientSampleId :

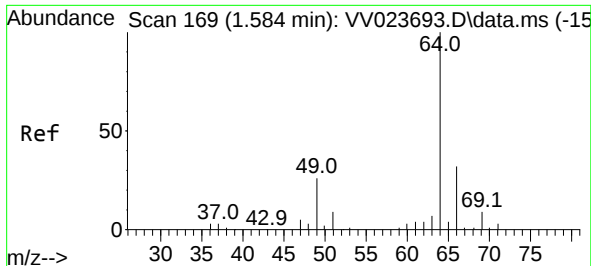
Tgt Ion: 62 Resp: 119995
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.4 41.6



#6
 Bromomethane
 Concen: 0.052 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023711.D
 Acq: 24 Nov 2021 19:27

Tgt Ion: 94 Resp: 343
 Ion Ratio Lower Upper
 94 100
 96 104.4 66.2 123.0

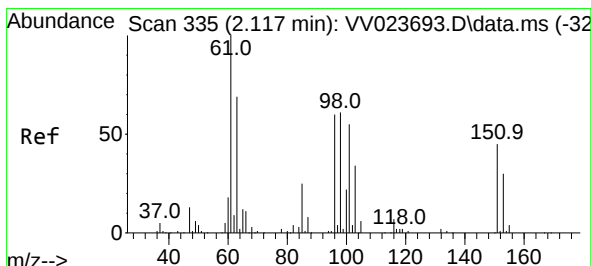
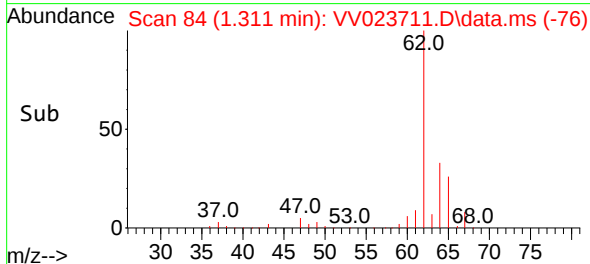
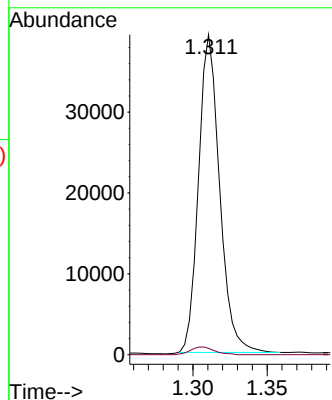
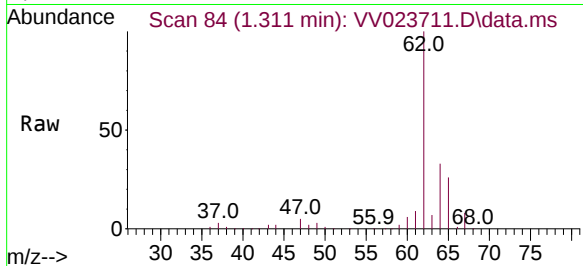




#8
Chloroethane
Concen: 5.296 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

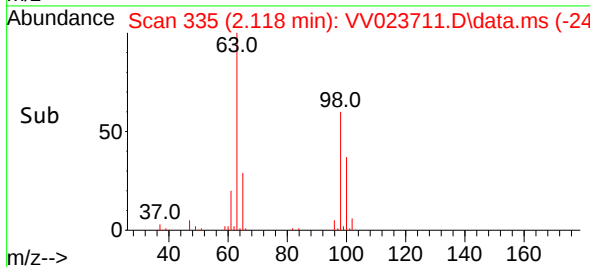
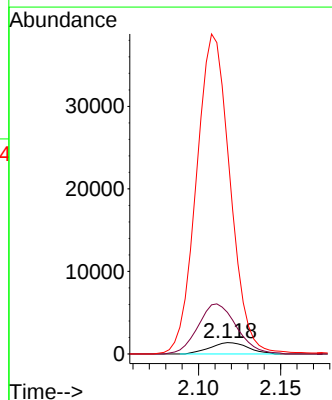
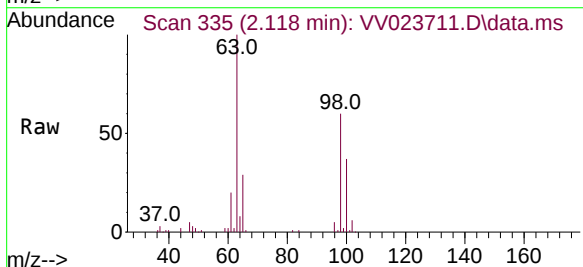
Instrument :
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ClientSampleId :

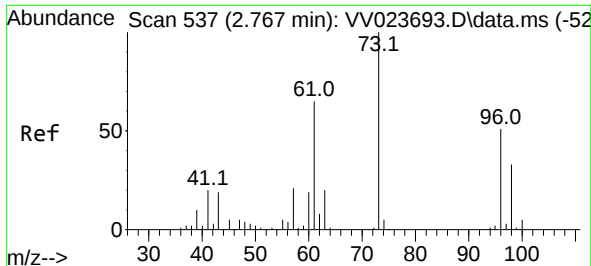
Tgt Ion: 64 Resp: 38864
Ion Ratio Lower Upper
64 100
66 2.0 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.248 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

Tgt Ion: 96 Resp: 2224
Ion Ratio Lower Upper
96 100
61 366.9 116.1 215.5#
63 1822.5 79.4 147.4#

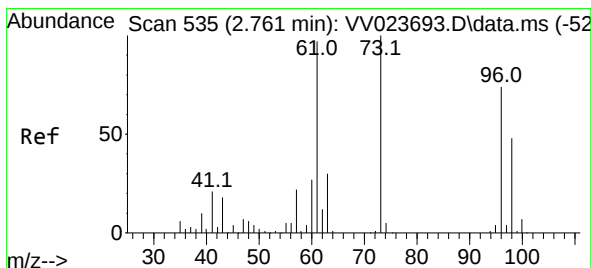
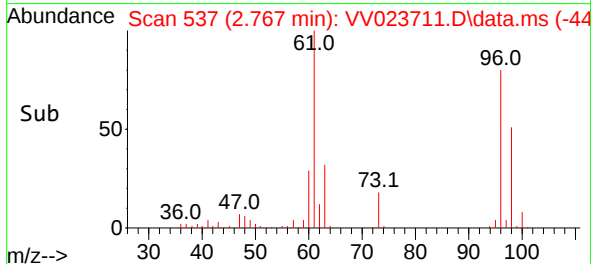
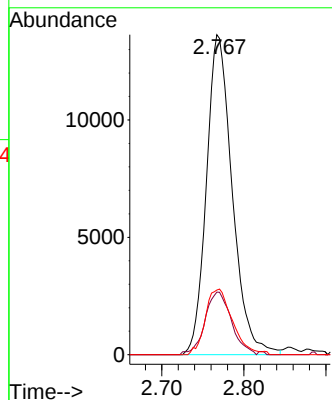
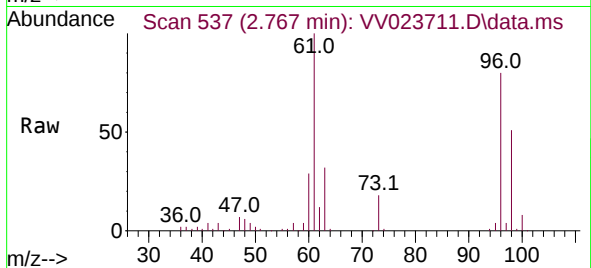




#17
Methyl tert-butyl Ether
Concen: 1.628 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

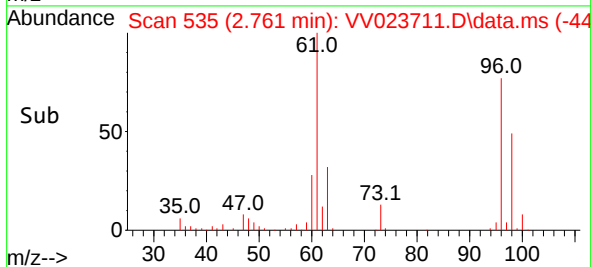
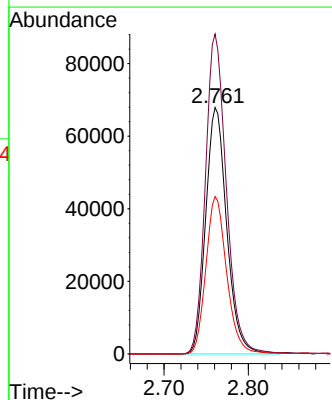
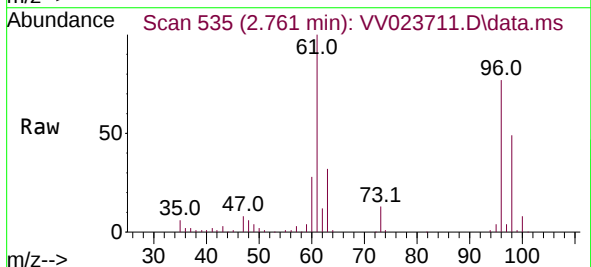
Instrument :
MSVOA_V
ClientSampleId :

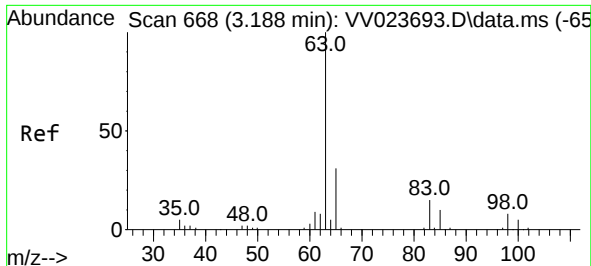
Tgt Ion: 73 Resp: 29878
Ion Ratio Lower Upper
73 100
43 20.0 15.5 23.3
57 21.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 11.572 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

Tgt Ion: 96 Resp: 118056
Ion Ratio Lower Upper
96 100
61 129.9 88.2 163.8
98 63.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.465 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :

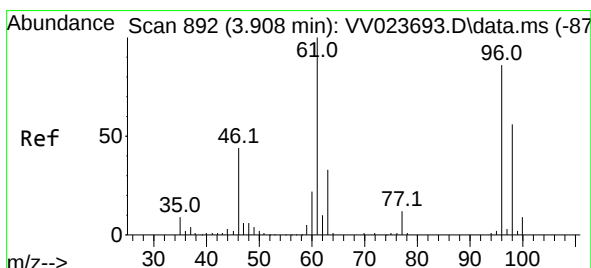
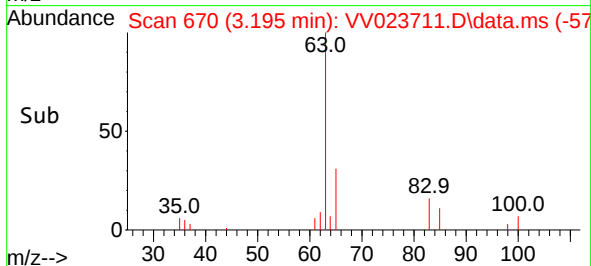
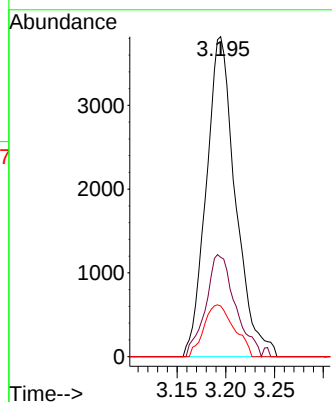
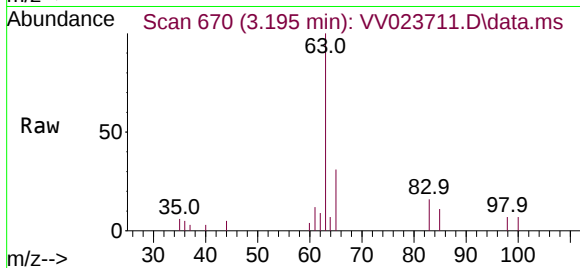
Tgt Ion: 63 Resp: 7970

Ion Ratio Lower Upper

63 100

65 31.0 22.3 41.3

83 15.9 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 74.129 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

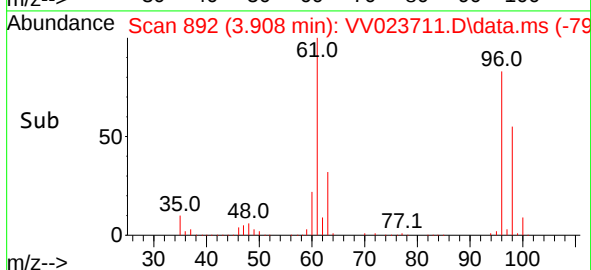
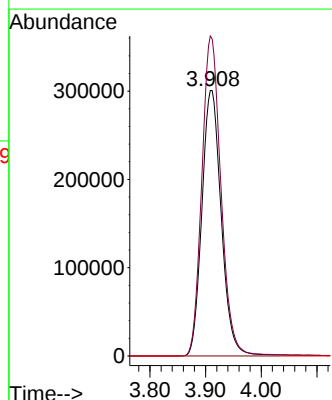
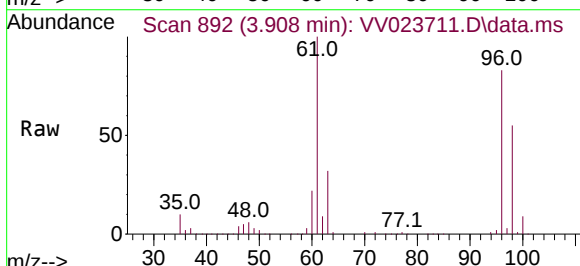
Tgt Ion: 96 Resp: 725237

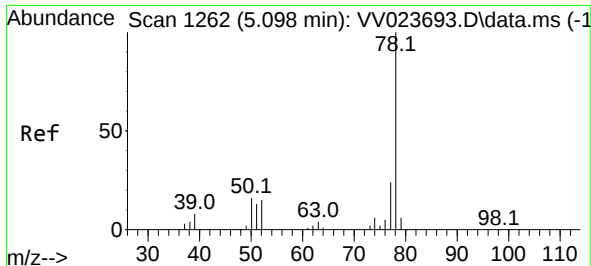
Ion Ratio Lower Upper

96 100

61 120.6 83.4 154.8

68 0.0 0.0 0.0

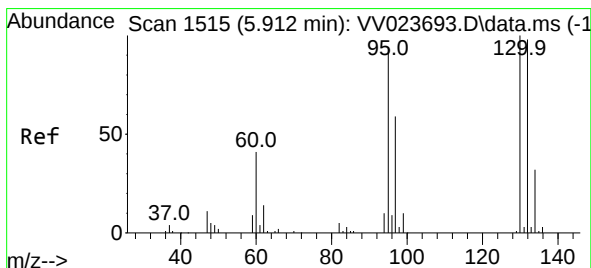
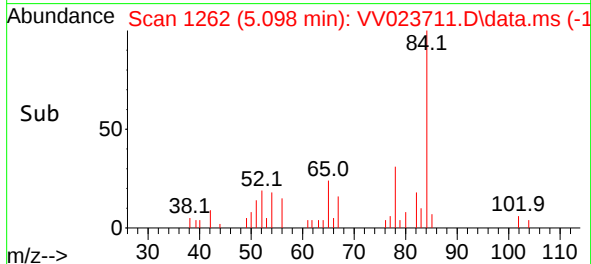
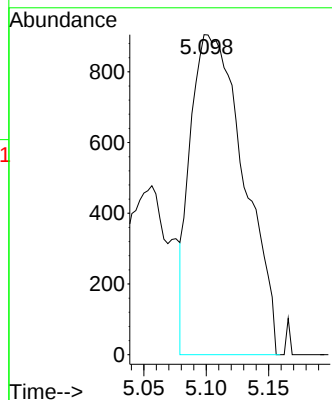
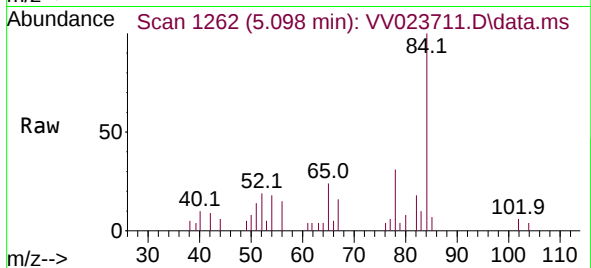




#33
Benzene
Concen: 0.073 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :

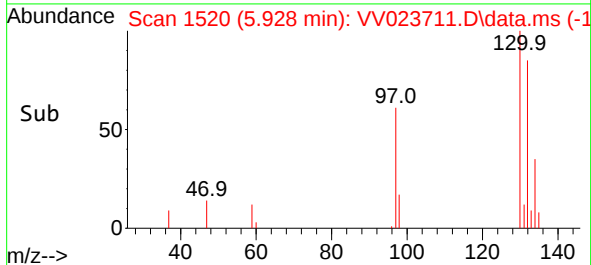
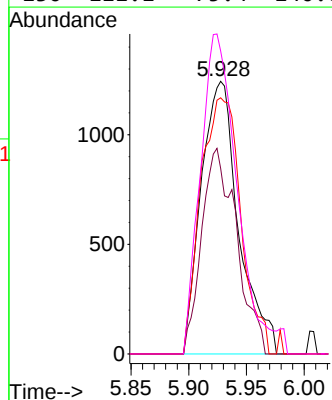
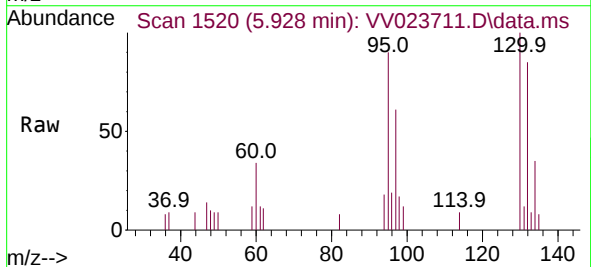
Tgt Ion: 78 Resp: 2700

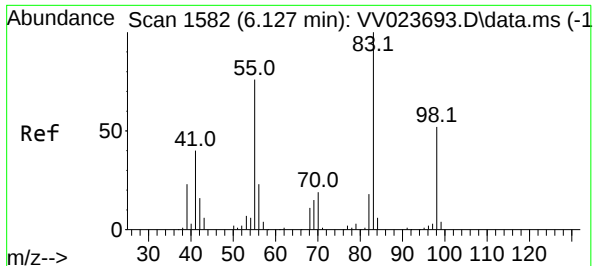


#34
Trichloroethene
Concen: 0.285 ug/L
RT: 5.928 min Scan# 1520
Delta R.T. 0.016 min
Lab File: VV023711.D
Acq: 24 Nov 2021 19:27

Tgt Ion: 95 Resp: 2809

Ion	Ratio	Lower	Upper
95	100		
97	68.0	45.2	84.0
132	94.0	76.1	141.3
130	111.1	75.4	140.0





#35

Methylcyclohexane

Concen: 0.779 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023711.D

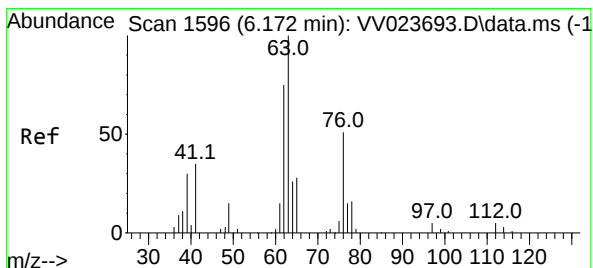
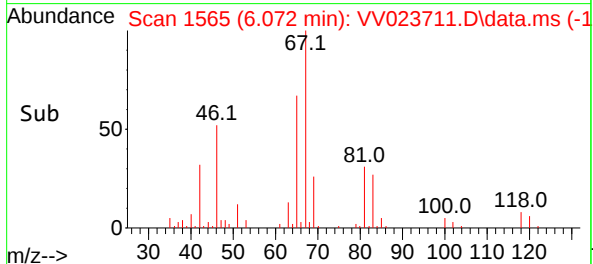
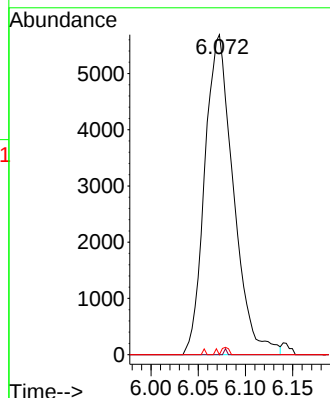
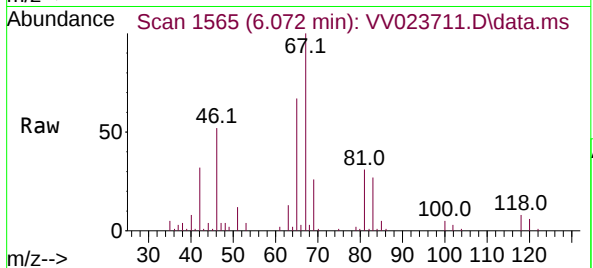
Acq: 24 Nov 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 11984
Ion Ratio	Lower Upper
83 100	
55 0.2	60.2 90.2#
98 0.7	41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.617 ug/L

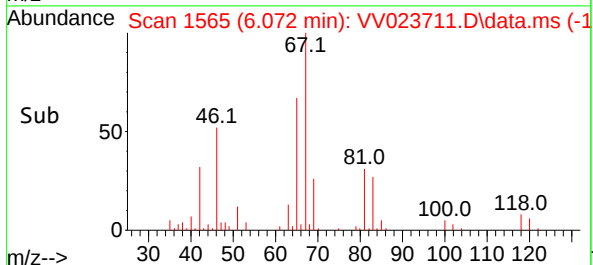
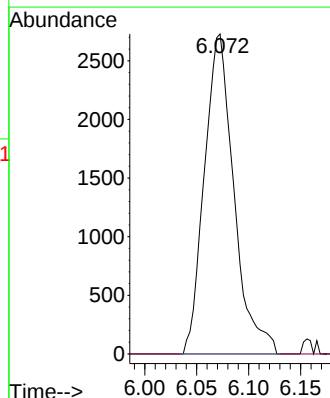
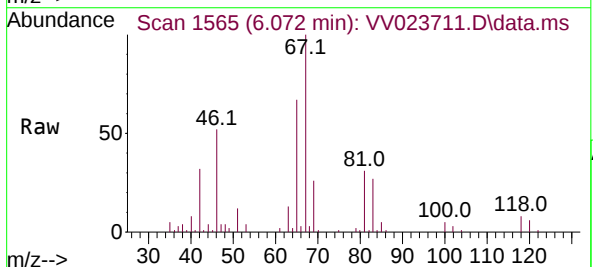
RT: 6.072 min Scan# 1565

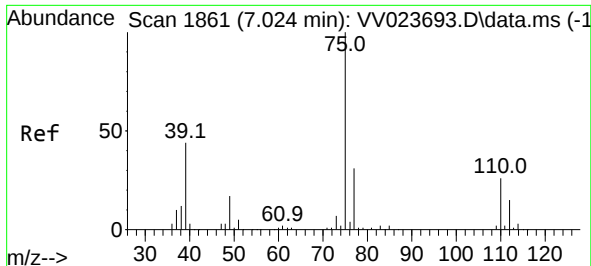
Delta R.T. -0.100 min

Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

Tgt Ion: 63	Resp: 5395
Ion Ratio	Lower Upper
63 100	
112 0.0	4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

Instrument :

MSVOA_V

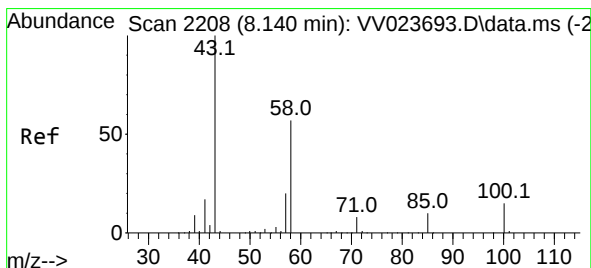
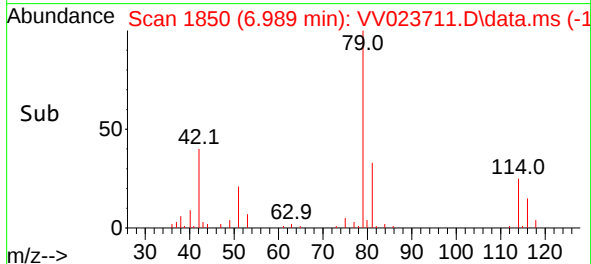
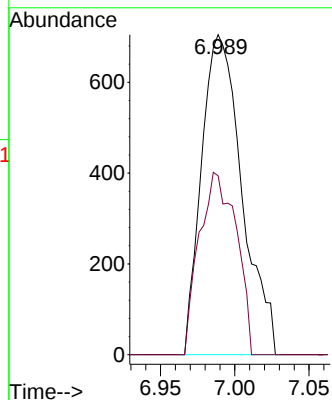
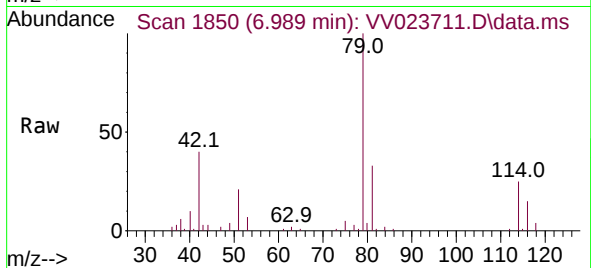
ClientSampleId :

Tgt Ion: 75 Resp: 1336

Ion Ratio Lower Upper

75 100

77 55.9 22.0 41.0#



#48

2-Hexanone

Concen: 1.051 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

Tgt Ion: 43 Resp: 3246

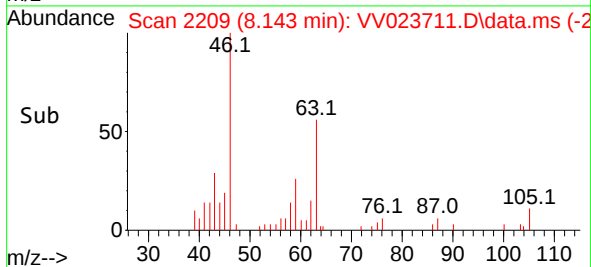
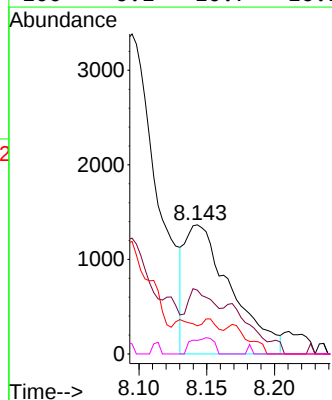
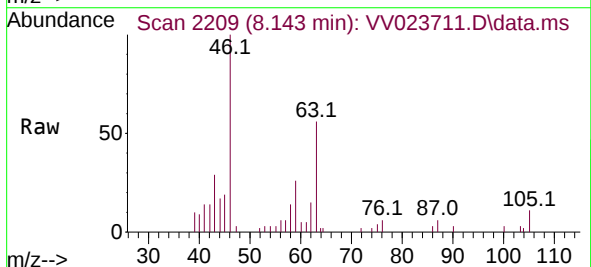
Ion Ratio Lower Upper

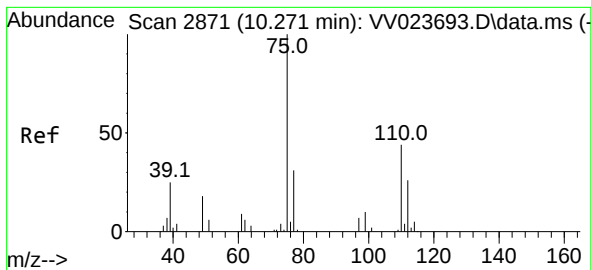
43 100

58 10.9 44.5 66.7#

57 11.2 15.1 22.7#

100 6.1 10.7 16.1#





#61

1,2,3-Trichloropropane

Concen: 1.491 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.978 min

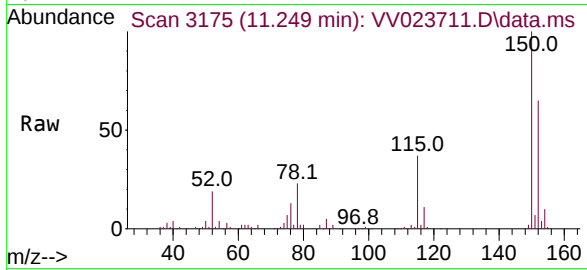
Lab File: VV023711.D

Acq: 24 Nov 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6319

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6

110 3.4 34.2 51.2#

