

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023713.D
 Acq On : 24 Nov 2021 20:14
 Operator : SY/MD
 Sample : M4821-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:57:25 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

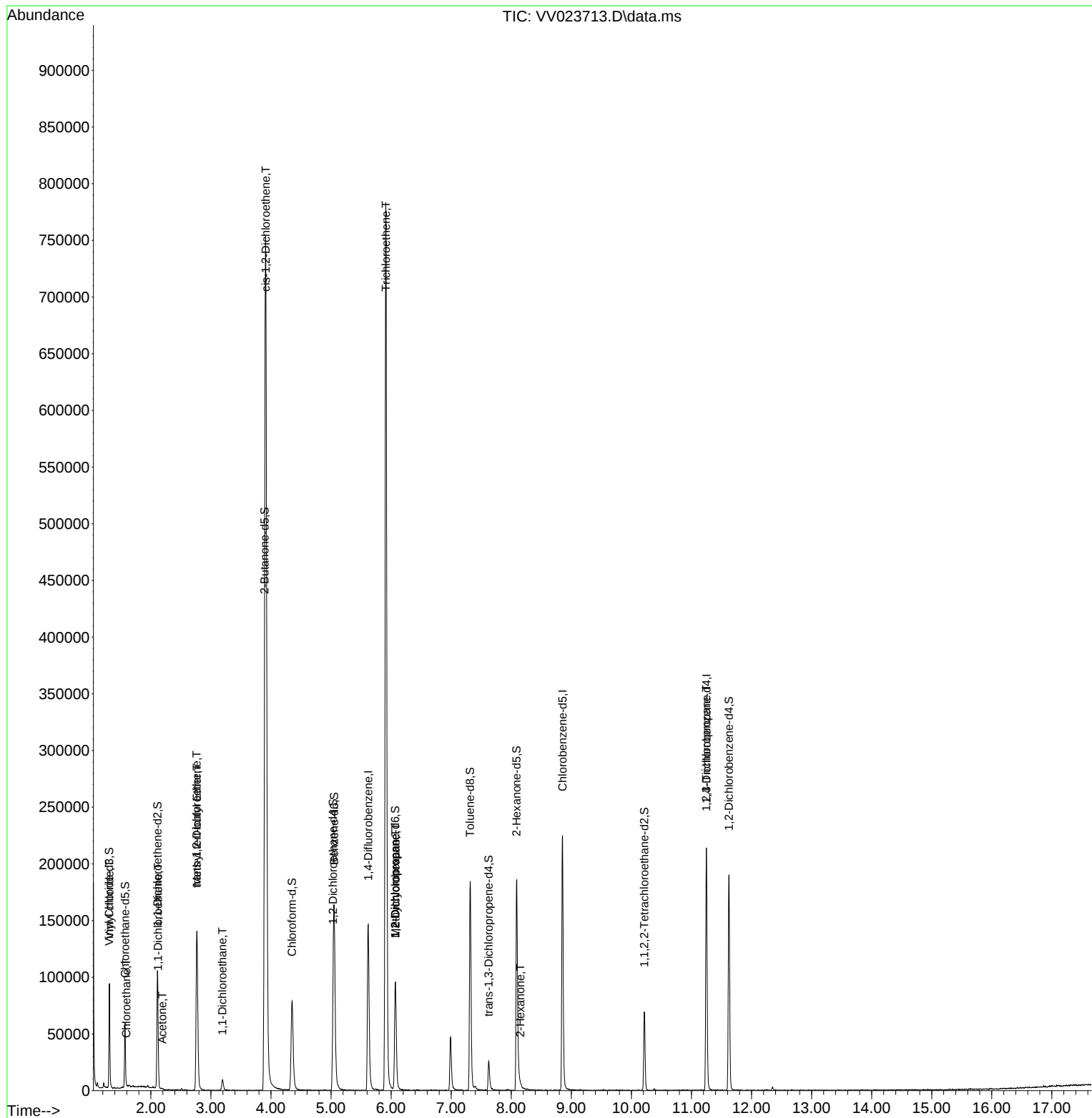
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	132114	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	128712	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59266	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37941	3.498	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	70.000%	
7) Chloroethane-d5	1.571	69	33524	3.932	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.600%	
11) 1,1-Dichloroethene-d2	2.111	63	53605	2.805	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	56.000%#	
20) 2-Butanone-d5	3.892	46	86631	66.445	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	132.900%#	
24) Chloroform-d	4.352	84	78394	4.151	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.000%	
26) 1,2-Dichloroethane-d4	5.034	65	39423	4.468	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.400%	
32) Benzene-d6	5.053	84	149745	4.271	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.400%	
36) 1,2-Dichloropropane-d6	6.069	67	45018	4.580	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.600%	
41) Toluene-d8	7.317	98	123500	3.770	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	75.400%	
43) trans-1,3-Dichloroprop...	7.625	79	15234	3.845	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	76.800%	
46) 2-Hexanone-d5	8.088	63	63739	48.419	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	96.840%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31167	4.406	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	88.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	51077	4.875	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	97.400%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	19564	1.710	ug/L	90
8) Chloroethane	1.590	64	2612	0.360	ug/L #	64
12) 1,1-Dichloroethene	2.121	96	2548	0.288	ug/L #	1
13) Acetone	2.192	43	1413	1.204	ug/L	91
17) Methyl tert-butyl Ether	2.767	73	82475	4.547	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	24350	2.415	ug/L	96
19) 1,1-Dichloroethane	3.191	63	8533	0.503	ug/L	89
22) cis-1,2-Dichloroethene	3.912	96	420538	43.494	ug/L	99
34) Trichloroethene	5.912	95	260616	26.513	ug/L	98
35) Methylcyclohexane	6.072	83	11470	0.748	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5179	0.594	ug/L #	84
48) 2-Hexanone	8.149	43	2276	0.740	ug/L #	47
61) 1,2,3-Trichloropropane	11.246	75	6096	1.450	ug/L #	63

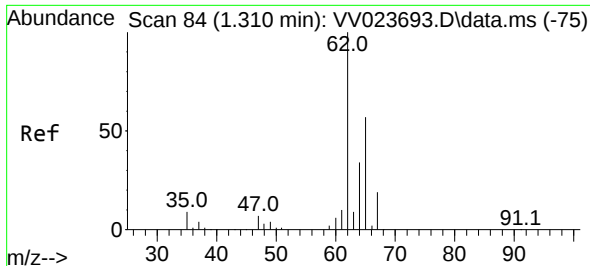
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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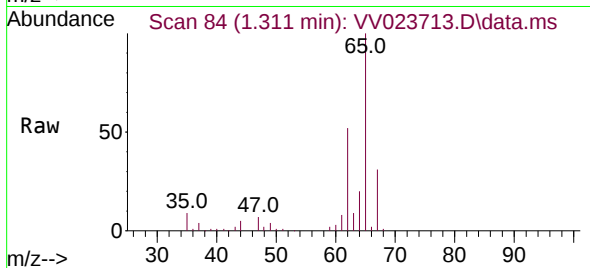
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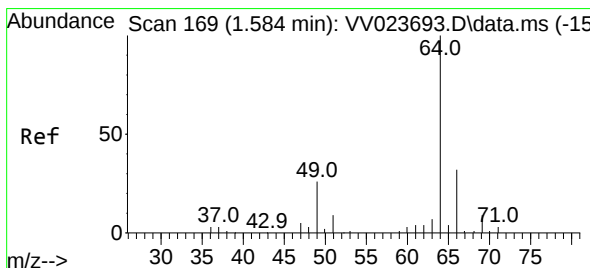
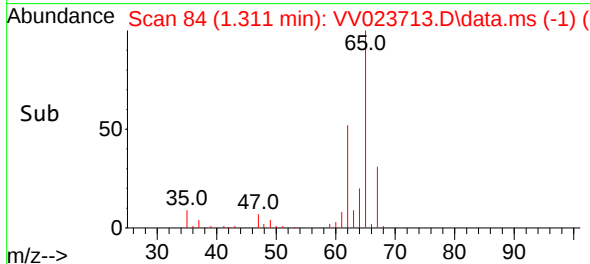
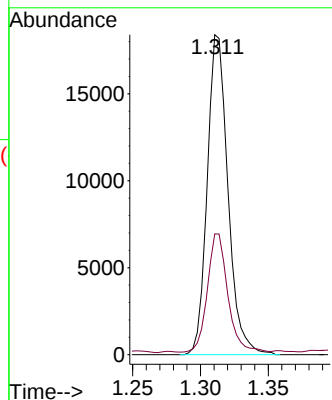


#5
 Vinyl chloride
 Concen: 1.710 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023713.D
 Acq: 24 Nov 2021 20:14

Instrument :
 MSVOA_V
 ClientSampleId :

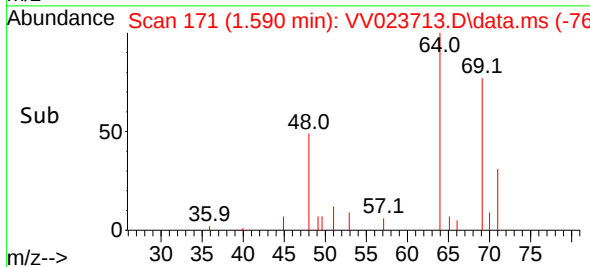
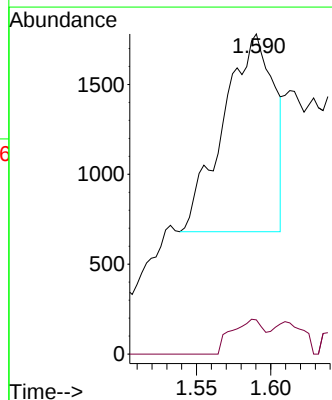
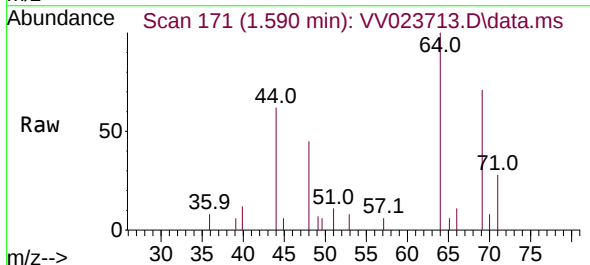


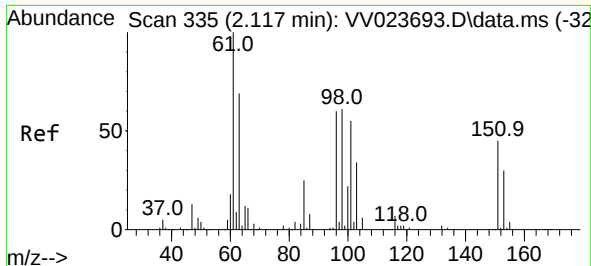
Tgt Ion: 62 Resp: 19564
 Ion Ratio Lower Upper
 62 100
 64 37.7 22.4 41.6



#8
 Chloroethane
 Concen: 0.360 ug/L
 RT: 1.590 min Scan# 171
 Delta R.T. 0.007 min
 Lab File: VV023713.D
 Acq: 24 Nov 2021 20:14

Tgt Ion: 64 Resp: 2612
 Ion Ratio Lower Upper
 64 100
 66 10.7 21.4 39.8#





#12

1,1-Dichloroethene

Concen: 0.288 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

Instrument :

MSVOA_V

ClientSampleId :

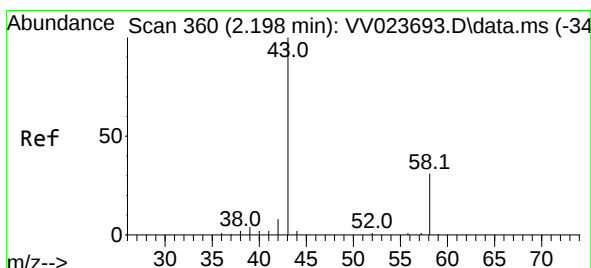
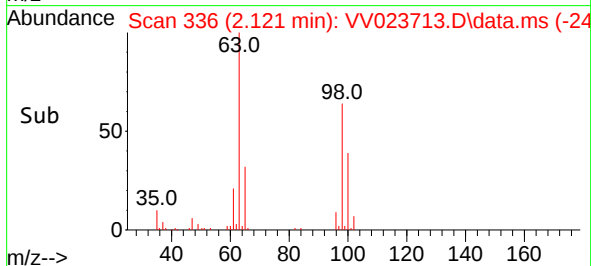
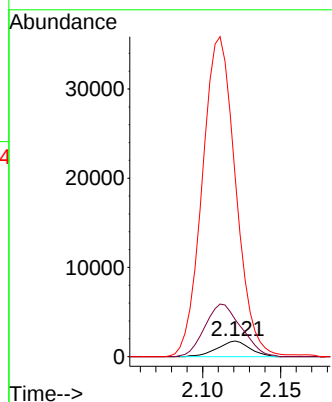
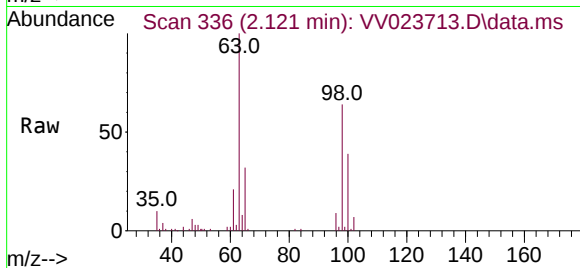
Tgt Ion: 96 Resp: 2548

Ion Ratio Lower Upper

96 100

61 236.5 116.1 215.5#

63 1147.5 79.4 147.4#



#13

Acetone

Concen: 1.204 ug/L

RT: 2.192 min Scan# 358

Delta R.T. -0.006 min

Lab File: VV023713.D

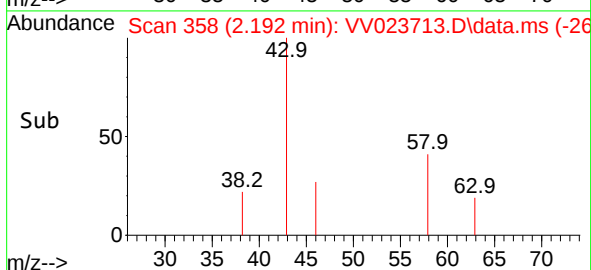
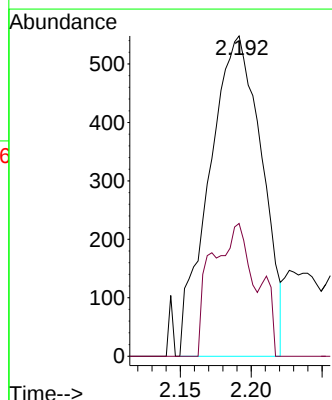
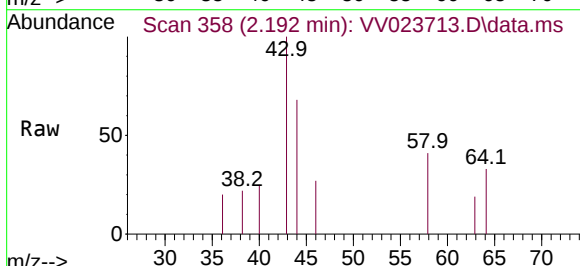
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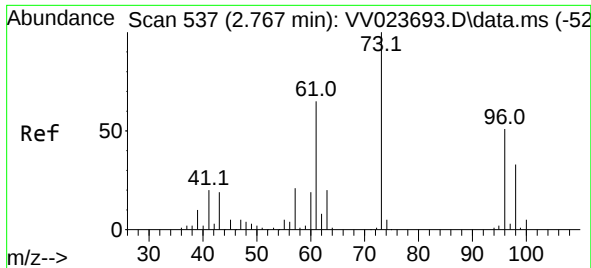
Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

58 16.6 0.0 41.4

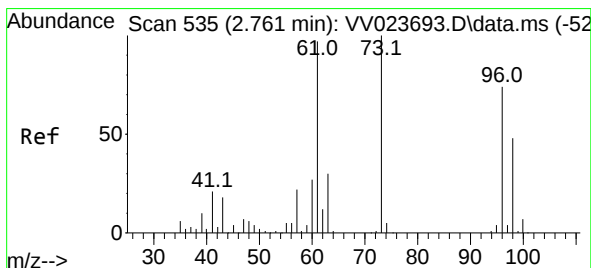
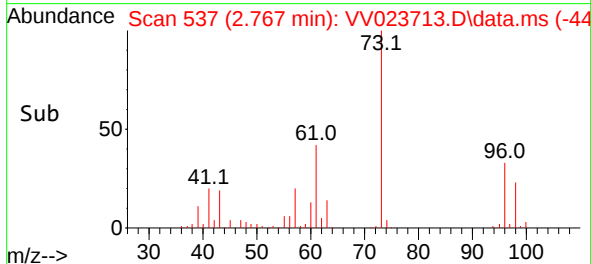
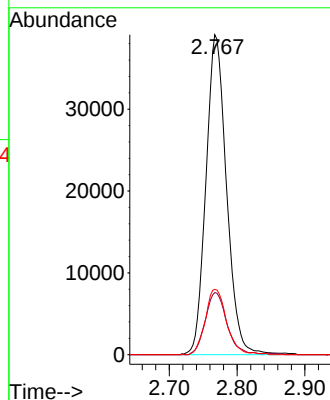
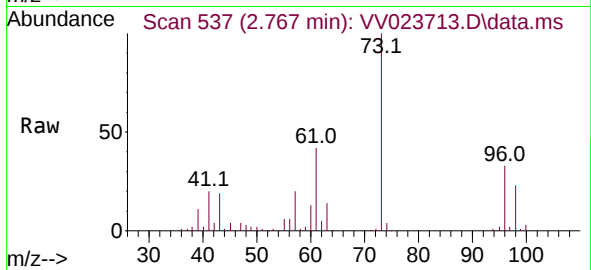




#17
Methyl tert-butyl Ether
Concen: 4.547 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023713.D
Acq: 24 Nov 2021 20:14

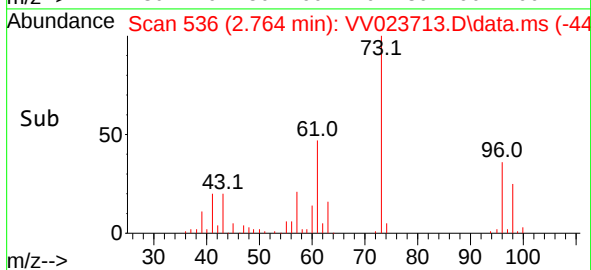
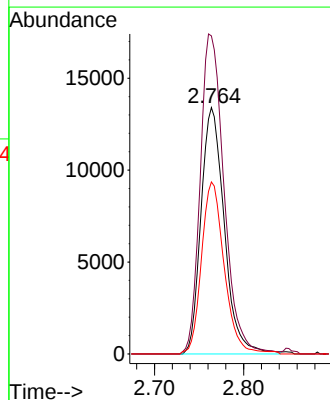
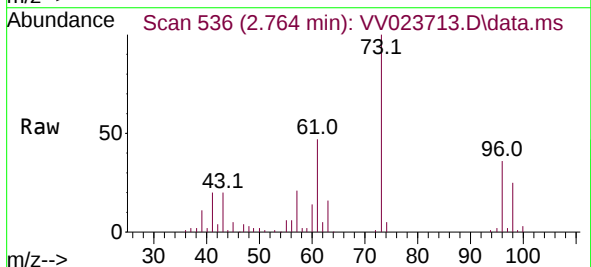
Instrument :
MSVOA_V
ClientSampleId :

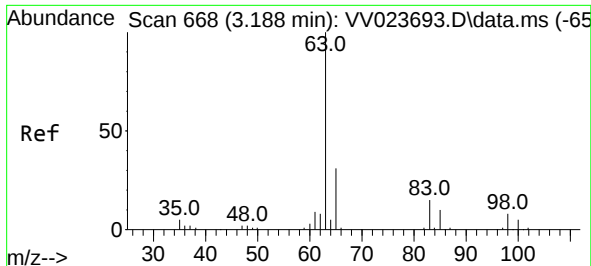
Tgt Ion: 73 Resp: 82475
Ion Ratio Lower Upper
73 100
43 20.4 15.5 23.3
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 2.415 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV023713.D
Acq: 24 Nov 2021 20:14

Tgt Ion: 96 Resp: 24350
Ion Ratio Lower Upper
96 100
61 129.1 88.2 163.8
98 69.8 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.503 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

Instrument :

MSVOA_V

ClientSampleId :

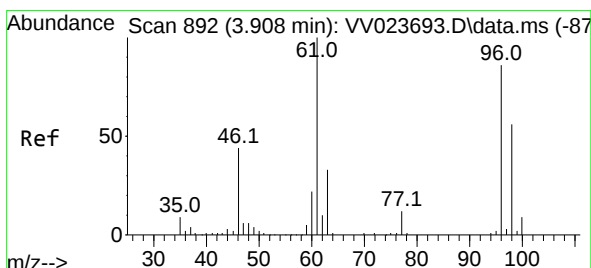
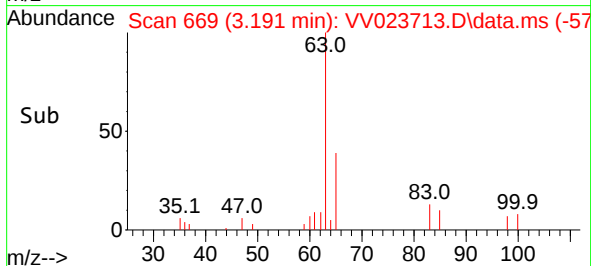
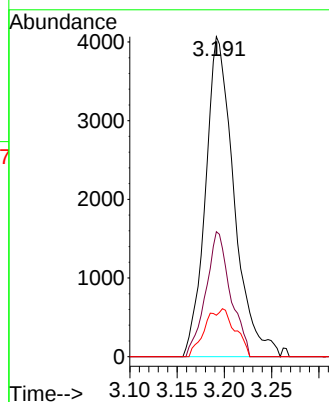
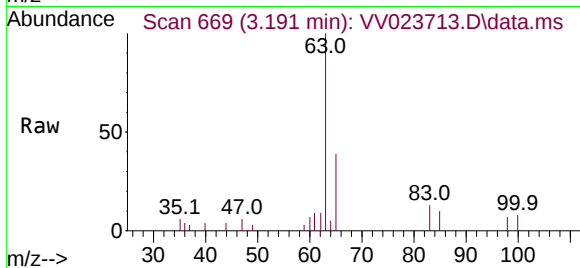
Tgt Ion: 63 Resp: 8533

Ion Ratio Lower Upper

63 100

65 39.0 22.3 41.3

83 12.9 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 43.494 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

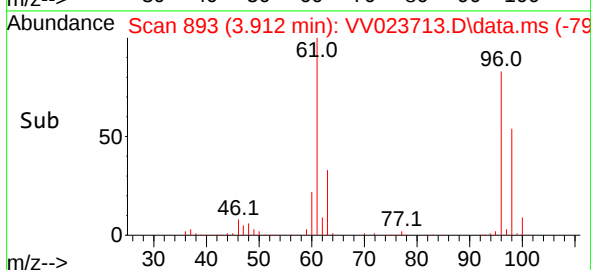
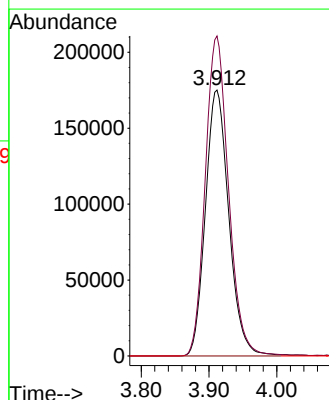
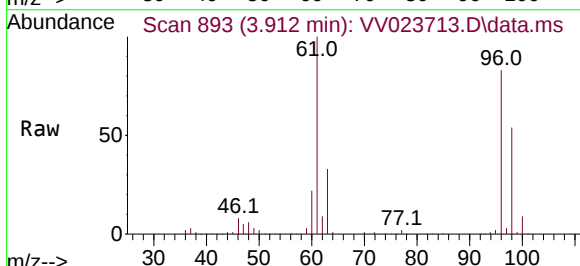
Tgt Ion: 96 Resp: 420538

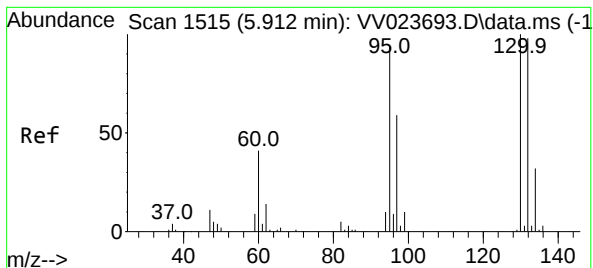
Ion Ratio Lower Upper

96 100

61 120.3 83.4 154.8

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 26.513 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

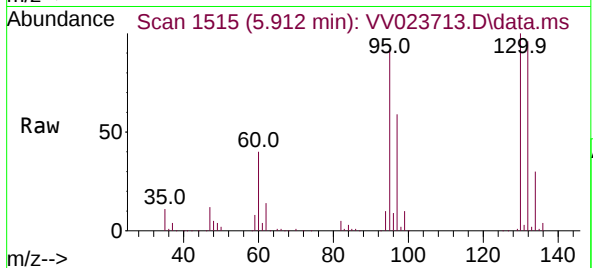
Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 260616

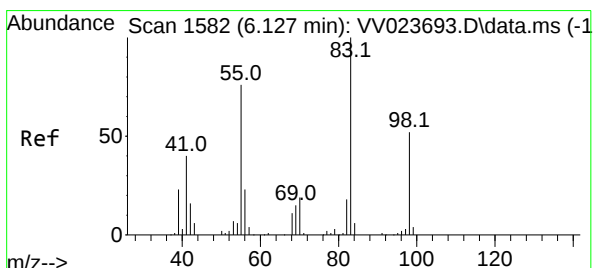
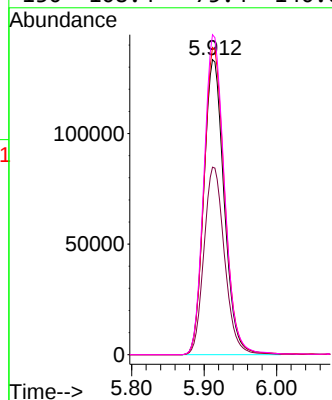
Ion Ratio Lower Upper

95 100

97 63.6 45.2 84.0

132 104.1 76.1 141.3

130 108.4 75.4 140.0



#35

Methylcyclohexane

Concen: 0.748 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

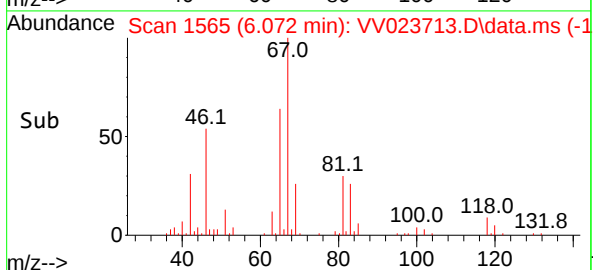
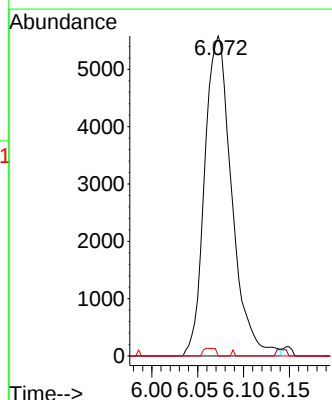
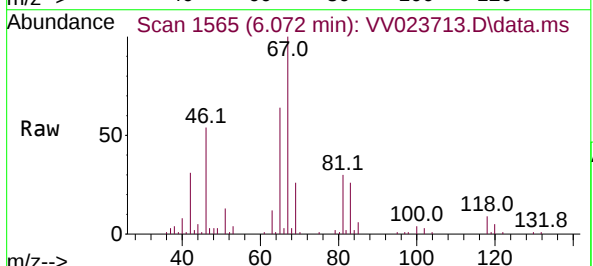
Tgt Ion: 83 Resp: 11470

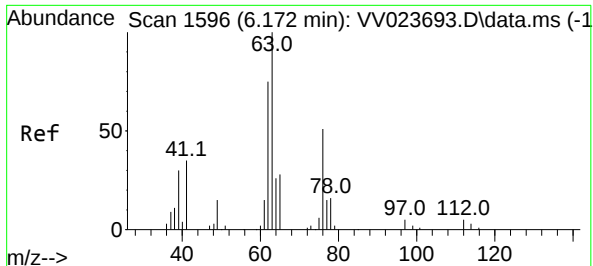
Ion Ratio Lower Upper

83 100

55 0.7 60.2 90.2#

98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

Instrument :

MSVOA_V

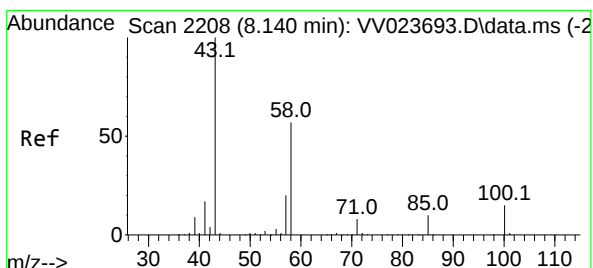
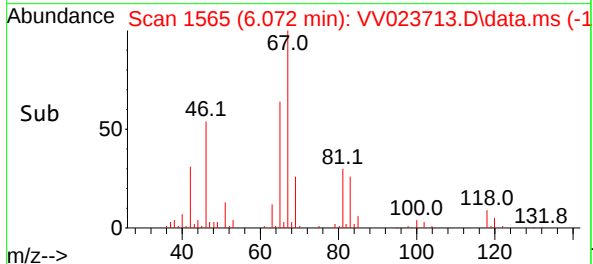
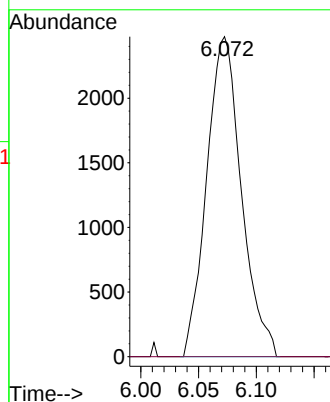
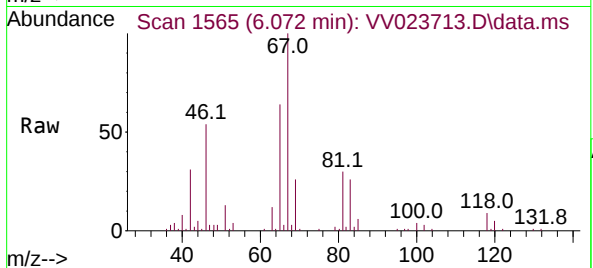
ClientSampleId :

Tgt Ion: 63 Resp: 5179

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#48

2-Hexanone

Concen: 0.740 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VV023713.D

Acq: 24 Nov 2021 20:14

Tgt Ion: 43 Resp: 2276

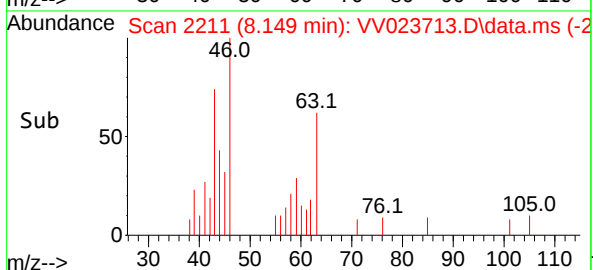
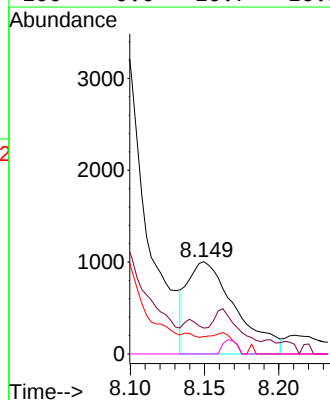
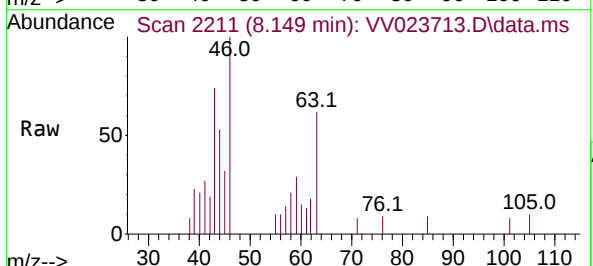
Ion Ratio Lower Upper

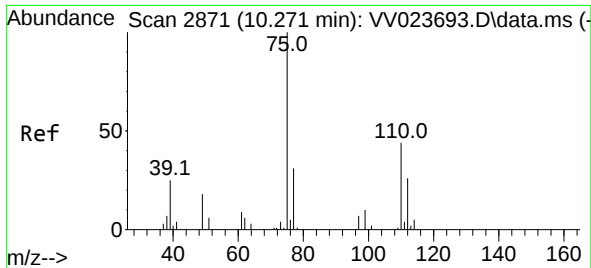
43 100

58 10.5 44.5 66.7#

57 0.0 15.1 22.7#

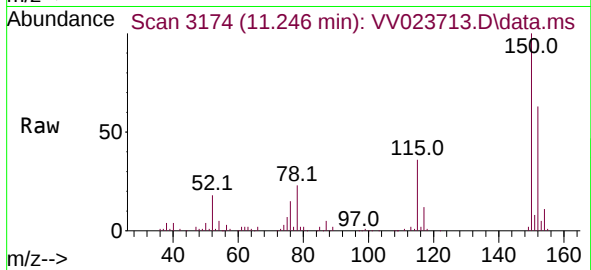
100 0.0 10.7 16.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.450 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV023713.D
 Acq: 24 Nov 2021 20:14

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 6096
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.4 39.6
 110 1.0 34.2 51.2#

