

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023510.D
 Acq On : 16 Nov 2021 02:19
 Operator : SY/MD
 Sample : M4694-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4640

Quant Time: Nov 16 05:18:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
 Response via : Initial Calibration

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

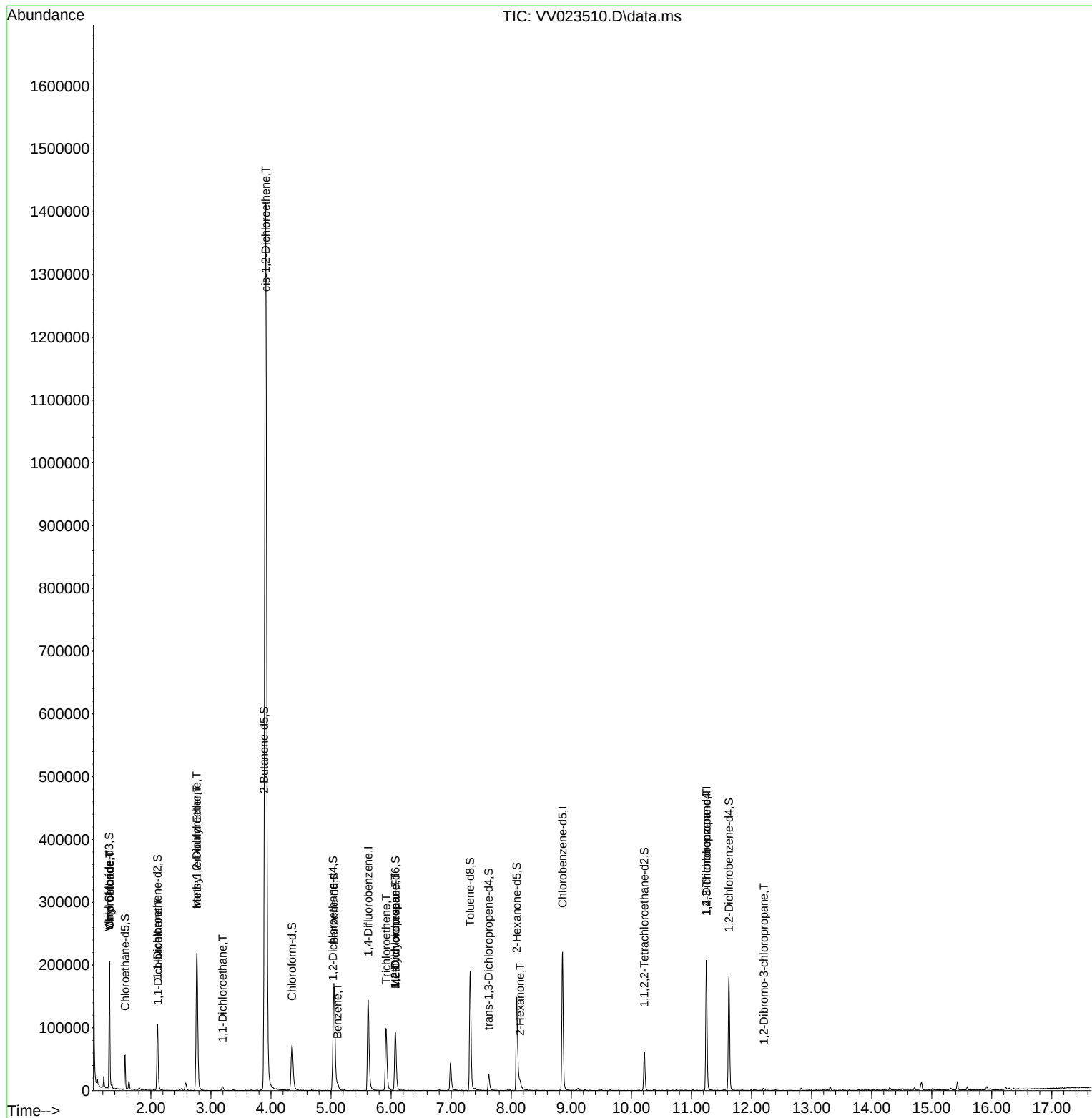
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126495	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125533	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56561	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39305	4.960	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	1.571	69	32147	4.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.111	63	54930	3.703	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	3.886	46	81164	59.450	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.900%
24) Chloroform-d	4.352	84	75890	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.034	65	36553	4.813	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.053	84	149551	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.072	67	44473	4.691	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.317	98	128318	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	7.625	79	15641	4.350	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.092	63	48915	36.979	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27711	4.064	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	49058	5.209	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.314	62	59992	5.728	ug/L	97
8) Chloroethane	1.314	64	20378	3.372	ug/L #	50
12) 1,1-Dichloroethene	2.121	96	1528	0.203	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	128979	7.768	ug/L	96
18) trans-1,2-Dichloroethene	2.764	96	36586	3.945	ug/L	98
19) 1,1-Dichloroethane	3.195	63	6287	0.402	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	801557	89.819	ug/L #	91
33) Benzene	5.108	78	9428	0.269	ug/L	100
34) Trichloroethene	5.915	95	34521	3.700	ug/L	98
35) Methylcyclohexane	6.072	83	11205	0.761	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5243	0.640	ug/L #	83
48) 2-Hexanone	8.146	43	7429	2.791	ug/L #	91
61) 1,2,3-Trichloropropane	11.249	75	6063	1.614	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.207	75	50	0.062	ug/L #	1

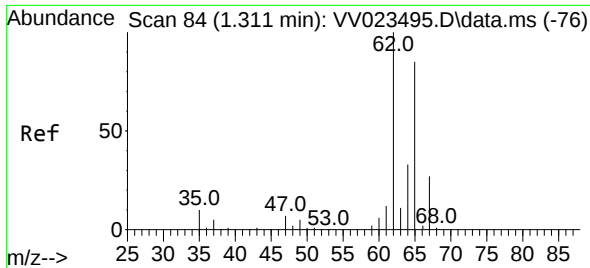
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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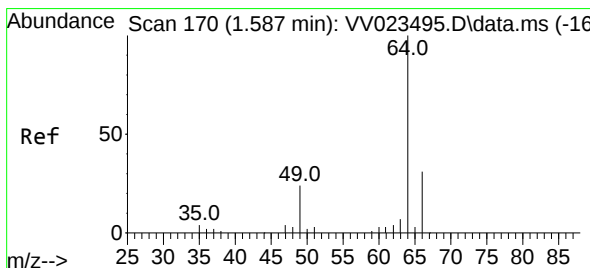
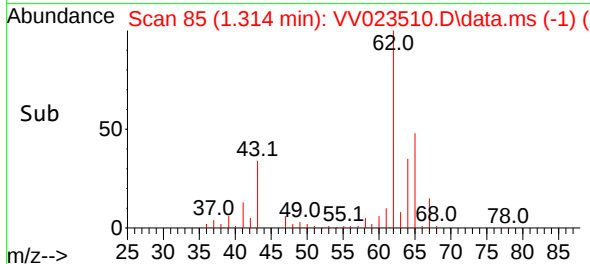
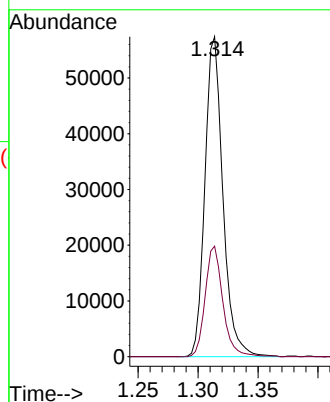
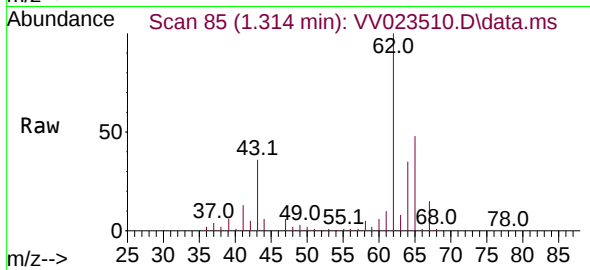




#5
 Vinyl chloride
 Concen: 5.728 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.003 min
 Lab File: VV023510.D
 Acq: 16 Nov 2021 02:19

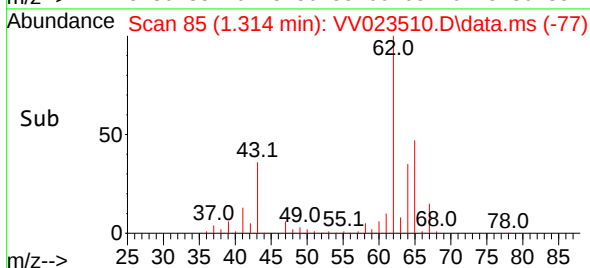
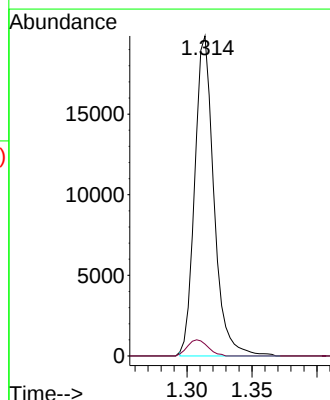
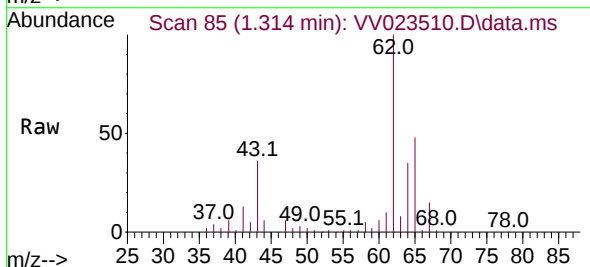
Instrument :
 MSVOA_V
 ClientSampleId :
 H4640

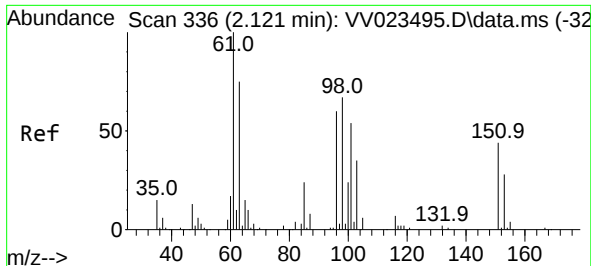
Tgt Ion: 62 Resp: 59992
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.1 42.9



#8
 Chloroethane
 Concen: 3.372 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.273 min
 Lab File: VV023510.D
 Acq: 16 Nov 2021 02:19

Tgt Ion: 64 Resp: 20378
 Ion Ratio Lower Upper
 64 100
 66 3.7 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.203 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

Instrument :

MSVOA_V

ClientSampleId :

H4640

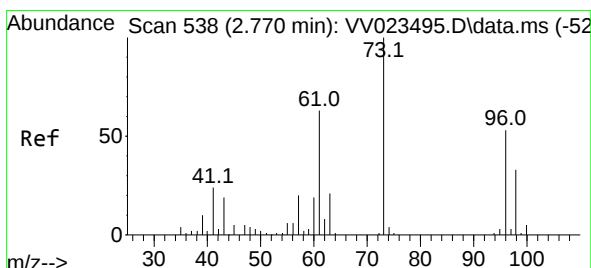
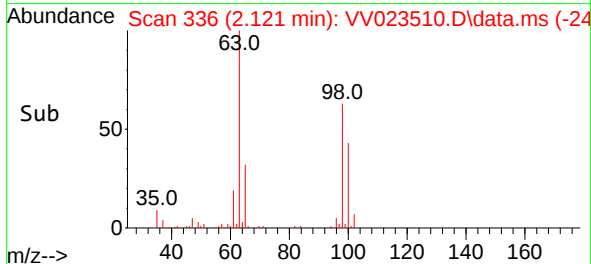
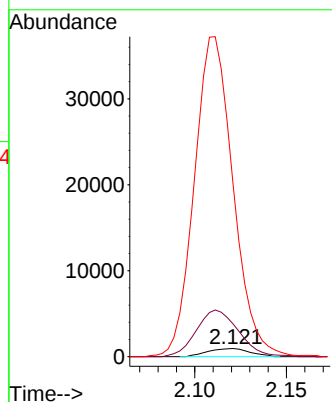
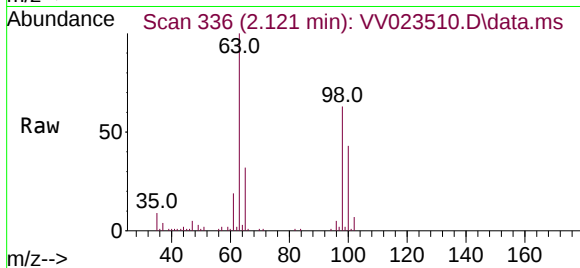
Tgt Ion: 96 Resp: 1528

Ion Ratio Lower Upper

96 100

61 399.0 121.5 225.7#

63 2103.5 99.6 185.0#



#17

Methyl tert-butyl Ether

Concen: 7.768 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

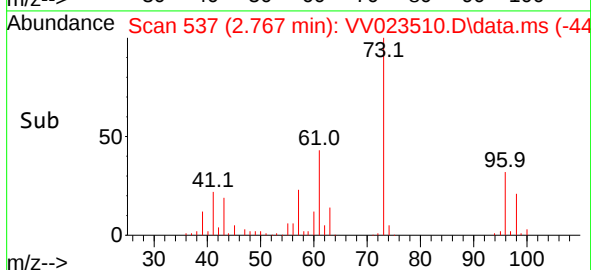
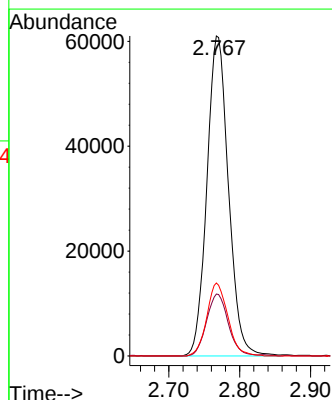
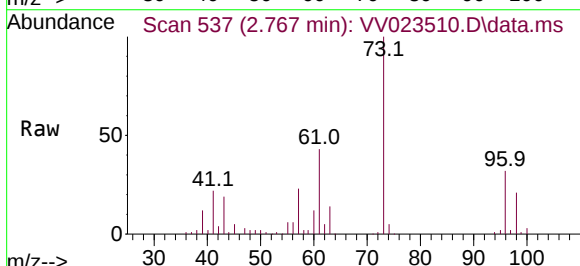
Tgt Ion: 73 Resp: 128979

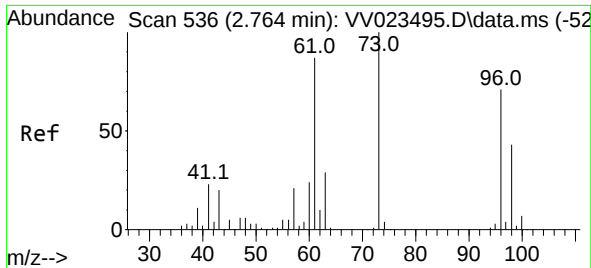
Ion Ratio Lower Upper

73 100

43 19.5 17.4 26.0

57 22.2 16.5 24.7

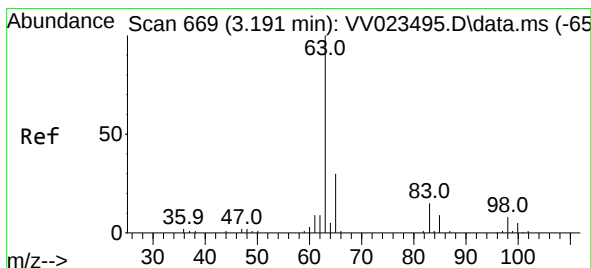
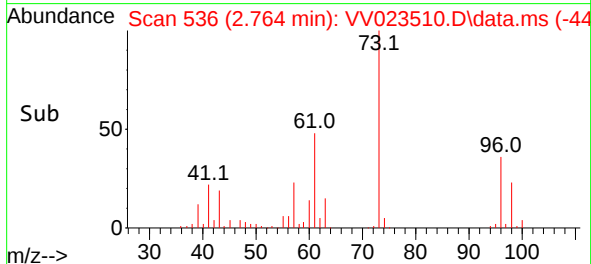
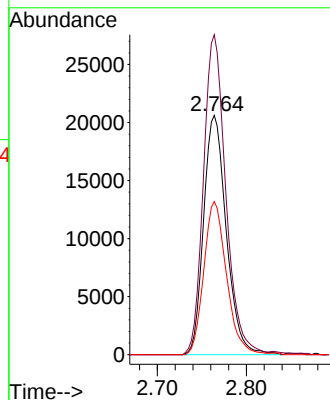
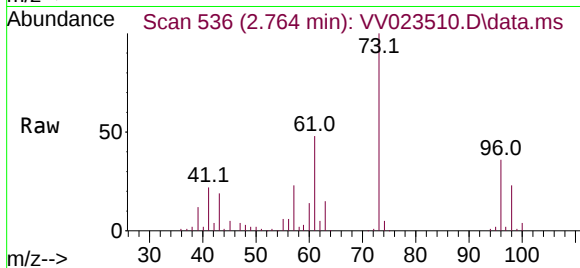




#18
 trans-1,2-Dichloroethene
 Concen: 3.945 ug/L
 RT: 2.764 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VV023510.D
 Acq: 16 Nov 2021 02:19

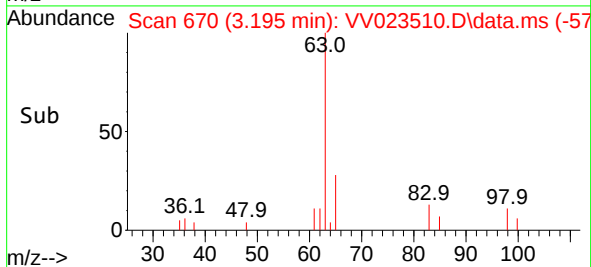
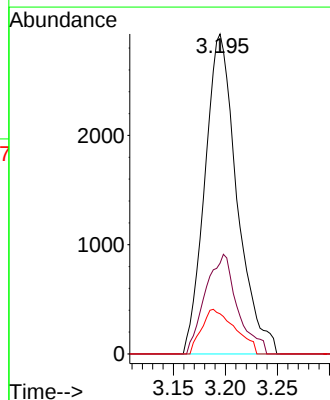
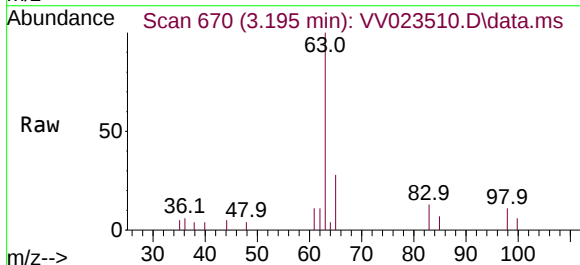
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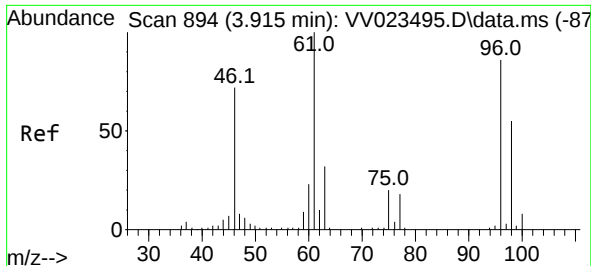
Tgt Ion: 96 Resp: 36586
 Ion Ratio Lower Upper
 96 100
 61 133.7 93.2 173.2
 98 64.0 47.0 87.2



#19
 1,1-Dichloroethane
 Concen: 0.402 ug/L
 RT: 3.195 min Scan# 670
 Delta R.T. 0.003 min
 Lab File: VV023510.D
 Acq: 16 Nov 2021 02:19

Tgt Ion: 63 Resp: 6287
 Ion Ratio Lower Upper
 63 100
 65 28.4 22.6 42.0
 83 12.6 11.1 20.7





#22

cis-1,2-Dichloroethene

Concen: 89.819 ug/L

RT: 3.912 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

Instrument :

MSVOA_V

ClientSampleId :

H4640

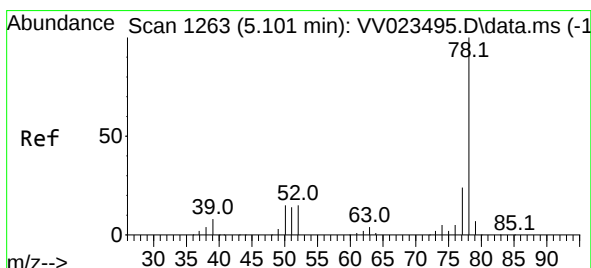
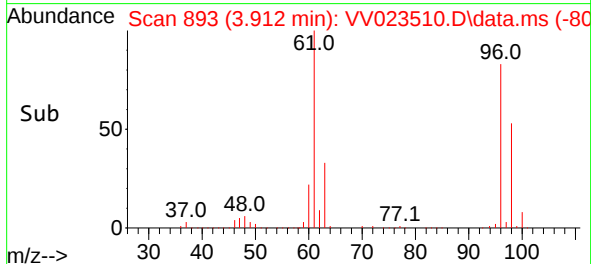
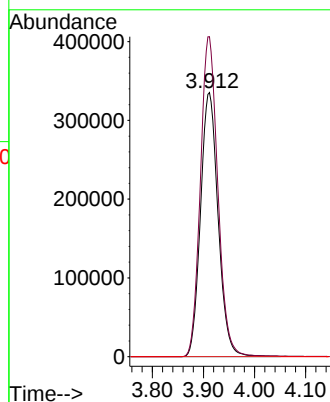
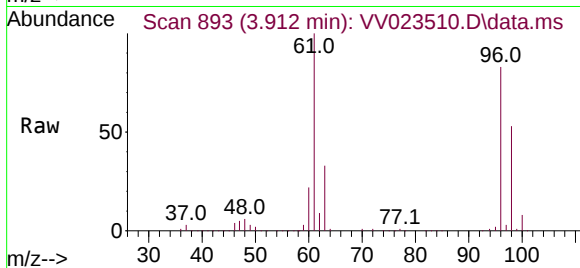
Tgt Ion: 96 Resp: 801557

Ion Ratio Lower Upper

96 100

61 121.1 92.3 171.3

68 0.0 0.4 0.8#



#33

Benzene

Concen: 0.269 ug/L

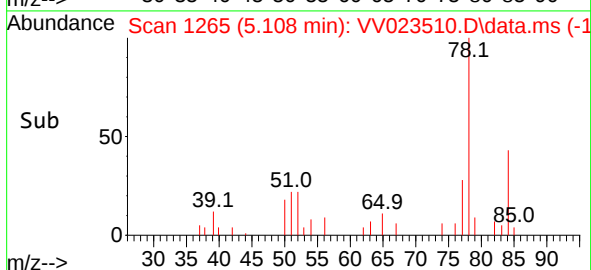
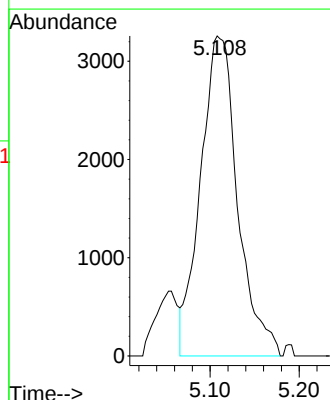
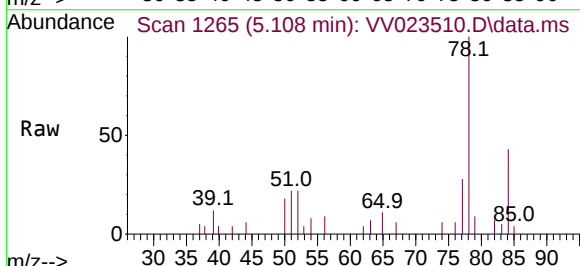
RT: 5.108 min Scan# 1265

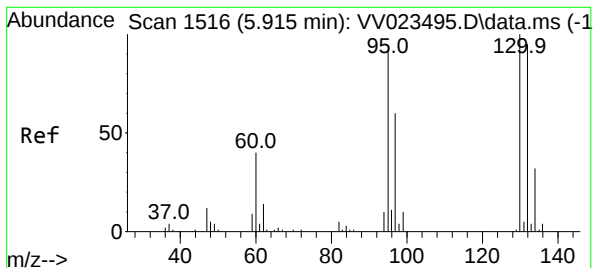
Delta R.T. 0.006 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

Tgt Ion: 78 Resp: 9428





#34

Trichloroethene

Concen: 3.700 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

Instrument :

MSVOA_V

ClientSampleId :

H4640

Tgt Ion: 95 Resp: 34521

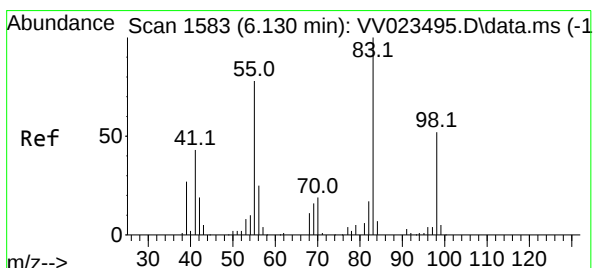
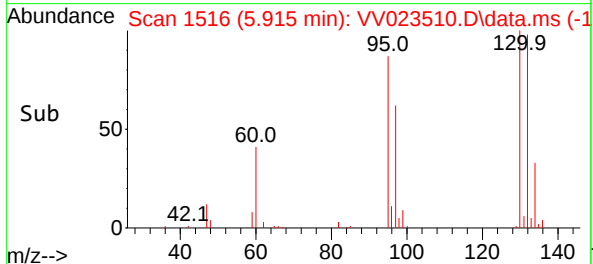
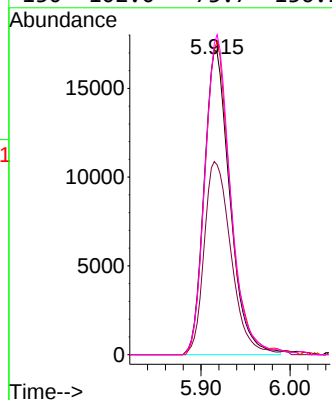
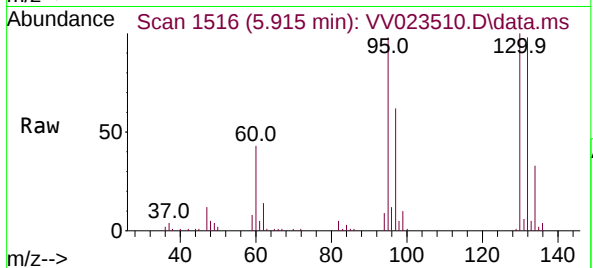
Ion Ratio Lower Upper

95 100

97 63.3 45.0 83.6

132 100.2 69.7 129.4

130 102.0 73.7 136.9



#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

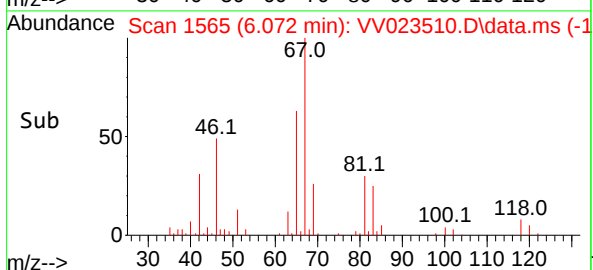
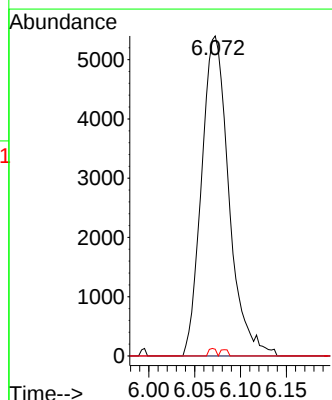
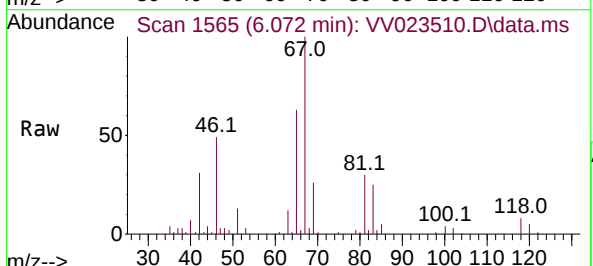
Tgt Ion: 83 Resp: 11205

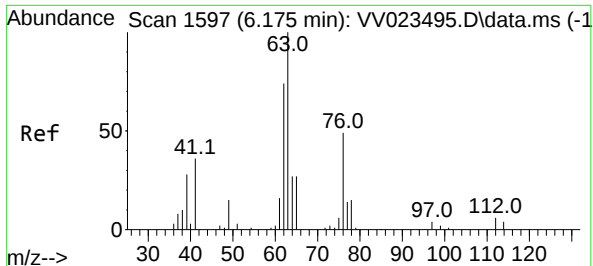
Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 0.6 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.640 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

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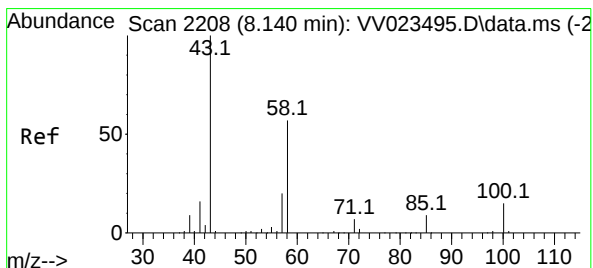
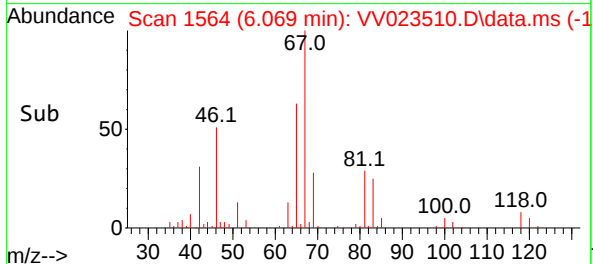
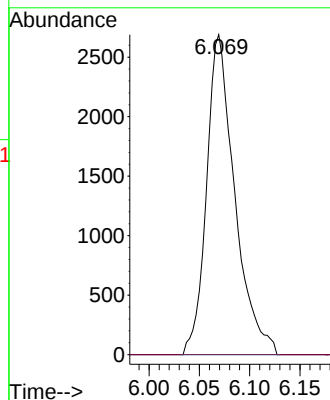
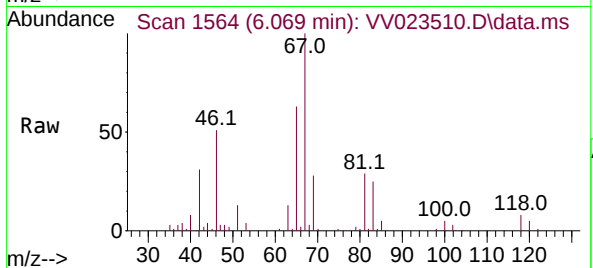
H4640

Tgt Ion: 63 Resp: 5243

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#48

2-Hexanone

Concen: 2.791 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VV023510.D

Acq: 16 Nov 2021 02:19

Tgt Ion: 43 Resp: 7429

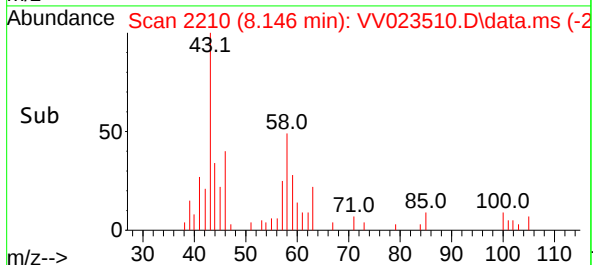
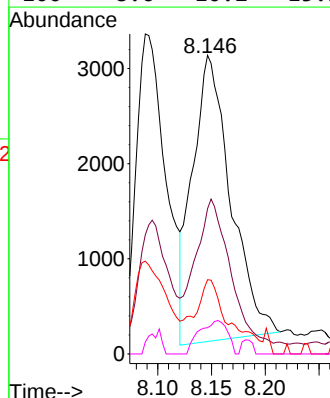
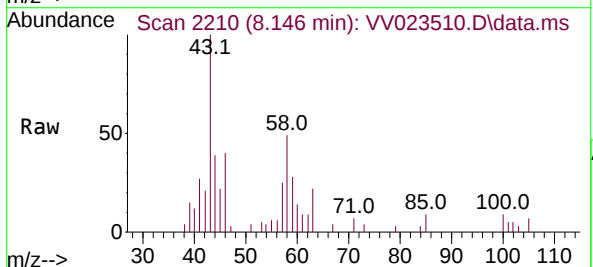
Ion Ratio Lower Upper

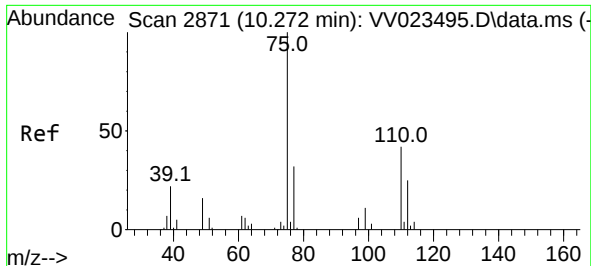
43 100

58 48.8 43.7 65.5

57 23.4 14.1 21.1#

100 8.6 10.2 15.2#

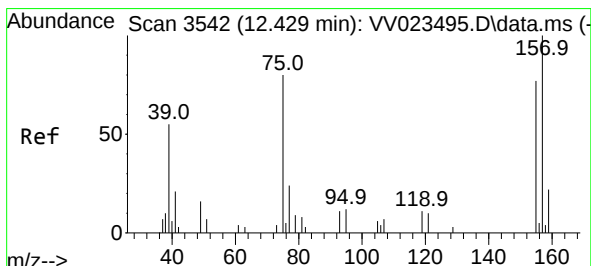
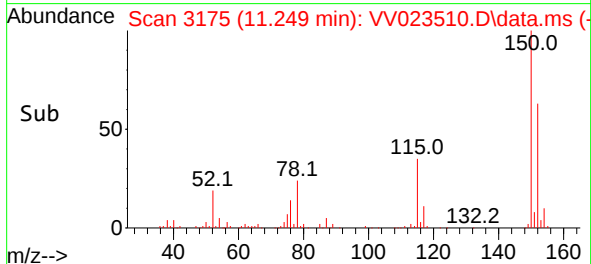
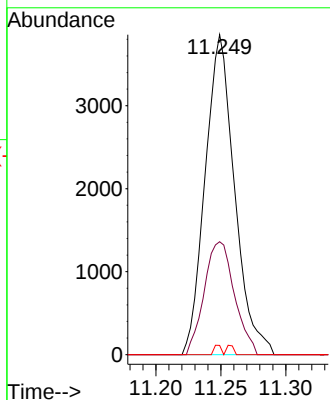
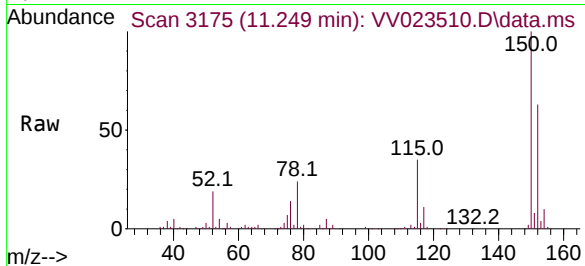




#61
1,2,3-Trichloropropane
Concen: 1.614 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023510.D
Acq: 16 Nov 2021 02:19

Instrument :
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H4640

Tgt Ion: 75 Resp: 6063
Ion Ratio Lower Upper
75 100
77 36.3 26.6 39.8
110 0.7 31.8 47.6#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.062 ug/L
RT: 12.207 min Scan# 3473
Delta R.T. -0.222 min
Lab File: VV023510.D
Acq: 16 Nov 2021 02:19

Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 67.7 101.5#
157 0.0 87.9 131.9#

