

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011623\
 Data File : VW029870.D
 Acq On : 16 Jan 2023 12:37
 Operator : SY/MD
 Sample : 01136-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJB9

Quant Time: Jan 17 00:37:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	227885	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	232572	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	113797	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	65684	3.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.565	69	64479	4.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.102	63	106112	3.368	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.400%
20) 2-Butanone-d5	3.880	46	141455	46.173	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.340%
24) Chloroform-d	4.333	84	151163	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.018	65	64769	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.037	84	304417	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.056	67	94434	4.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.304	98	258955	4.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.613	79	29442	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.082	63	128392	42.769	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	75202	5.083	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	103308	4.993	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1410	0.063	ug/L	100
5) Vinyl chloride	1.307	62	24662	1.127	ug/L	97
6) Bromomethane	1.520	94	444	0.042	ug/L	90
12) 1,1-Dichloroethene	2.114	96	25195	1.295	ug/L #	54
14) Carbon disulfide	2.291	76	5465	0.098	ug/L #	93
16) Methylene chloride	2.500	84	17211	0.712	ug/L	99
17) Methyl tert-butyl Ether	2.761	73	153408	4.560	ug/L	100
19) 1,1-Dichloroethane	3.179	63	19428	0.642	ug/L	97
22) cis-1,2-Dichloroethene	3.896	96	48826	2.533	ug/L	96
25) Chloroform	4.359	83	19596	0.596	ug/L	98
29) 1,1,1-Trichloroethane	4.593	97	23673	0.784	ug/L	98
31) Carbon tetrachloride	4.600	117	3295	0.125	ug/L	96
34) Trichloroethene	5.899	95	191643	9.834	ug/L	97
35) Methylcyclohexane	6.056	83	23051	0.701	ug/L #	20
37) 1,2-Dichloropropane	6.056	63	9665	0.537	ug/L #	85
39) cis-1,3-Dichloropropene	6.973	75	1878	0.078	ug/L #	54
47) Tetrachloroethene	7.963	164	9811	0.598	ug/L	94
49) Dibromochloromethane	7.966	129	8949	0.588	ug/L #	11
53) m,p-Xylene	9.133	106	1970	0.057	ug/L	78

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

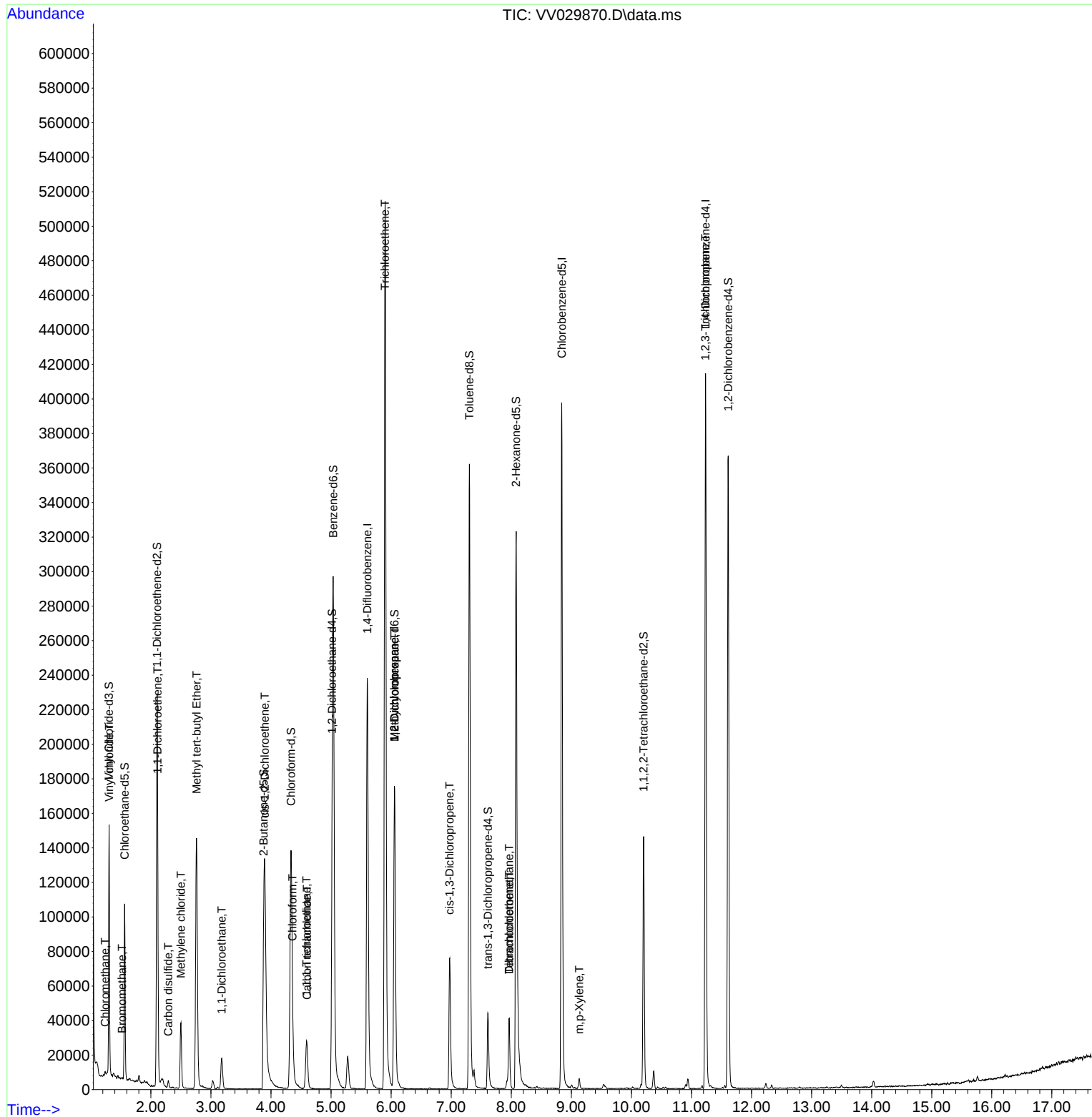
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.233	75	12619	1.498	ug/L	# 66

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

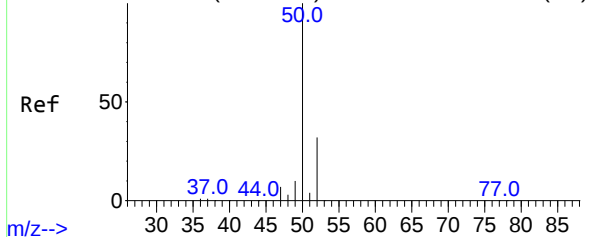
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
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Abundance Scan 62 (1.240 min): VV029866.D\data.ms (-54)



#3

Chloromethane

Concen: 0.063 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

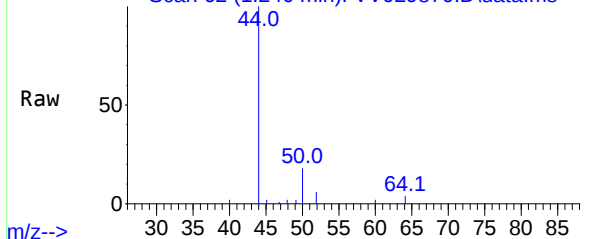
Tgt Ion: 50 Resp: 1410

Ion Ratio Lower Upper

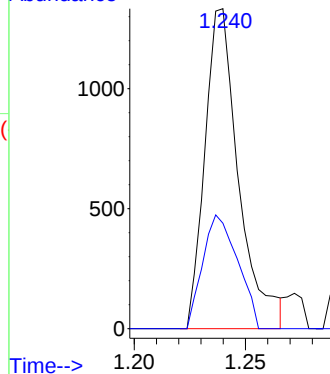
50 100

52 32.9 23.1 42.9

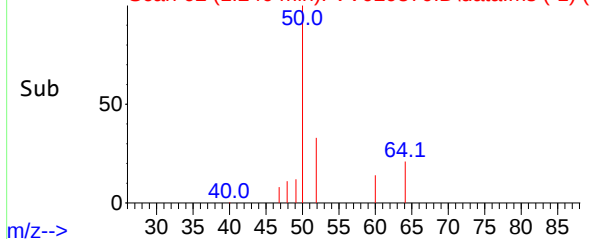
Abundance Scan 62 (1.240 min): VV029870.D\data.ms



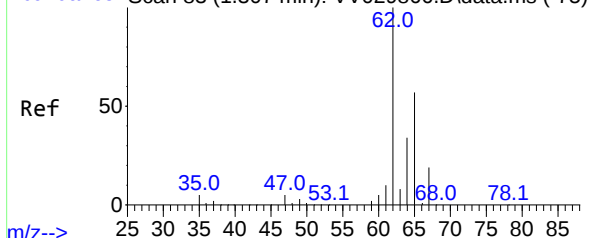
Abundance



Abundance Scan 62 (1.240 min): VV029870.D\data.ms (-1)



Abundance Scan 83 (1.307 min): VV029866.D\data.ms (-75)



#5

Vinyl chloride

Concen: 1.127 ug/L

RT: 1.307 min Scan# 83

Delta R.T. 0.003 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

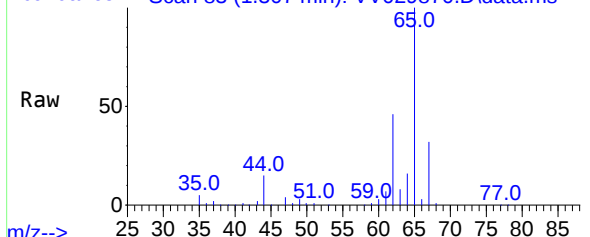
Tgt Ion: 62 Resp: 24662

Ion Ratio Lower Upper

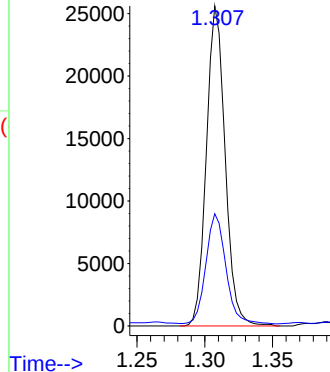
62 100

64 35.0 23.2 43.2

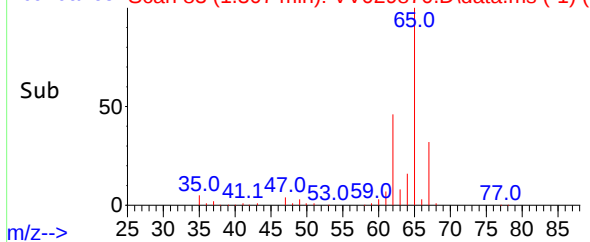
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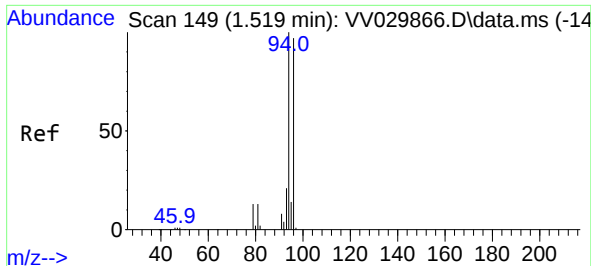


Abundance



Abundance Scan 83 (1.307 min): VV029870.D\data.ms (-1)

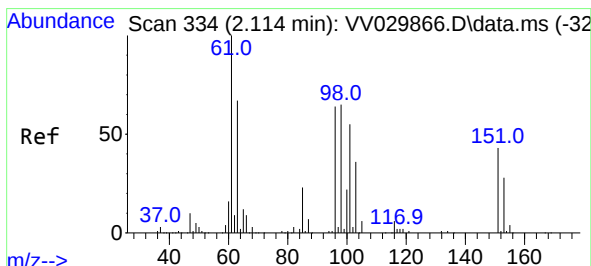
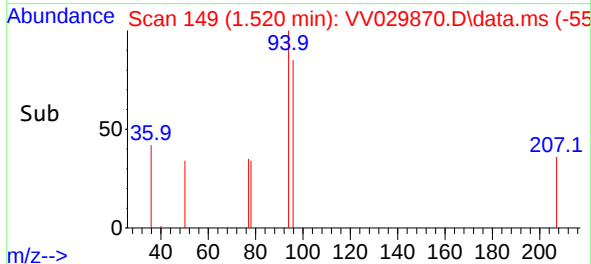
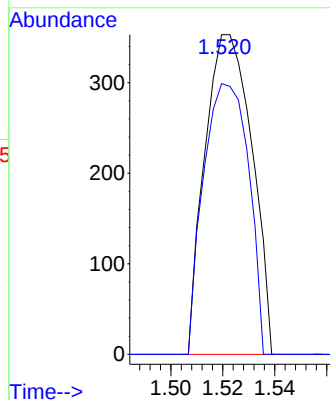
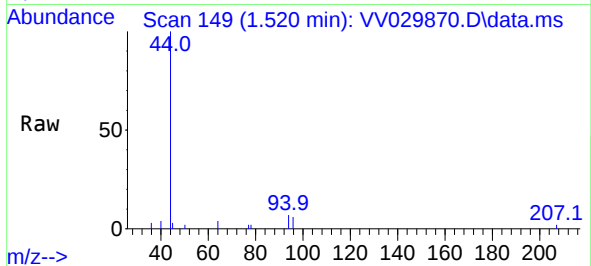




#6
Bromomethane
Concen: 0.042 ug/L
RT: 1.520 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

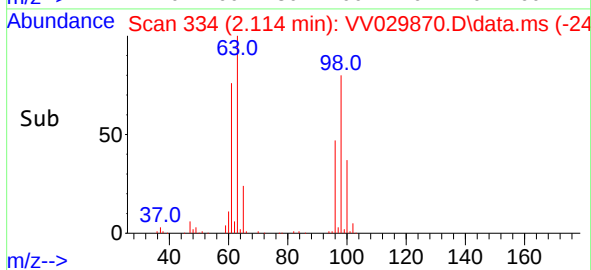
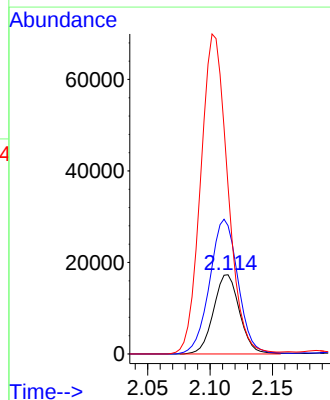
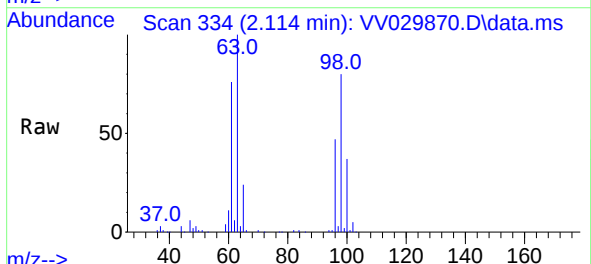
Instrument :
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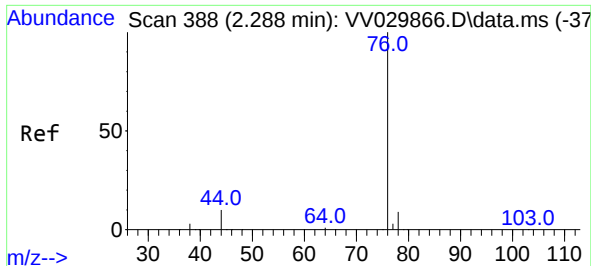
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 84.7 65.9 122.5



#12
1,1-Dichloroethene
Concen: 1.295 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

Tgt Ion: 96 Resp: 25195
Ion Ratio Lower Upper
96 100
61 162.1 106.1 197.1
63 212.2 76.4 141.8#

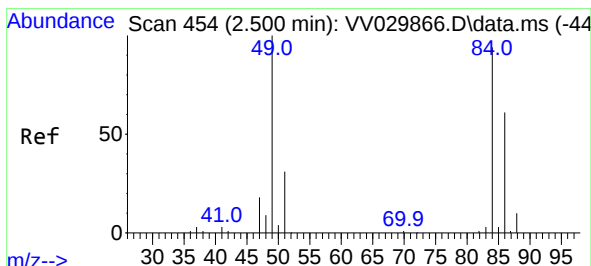
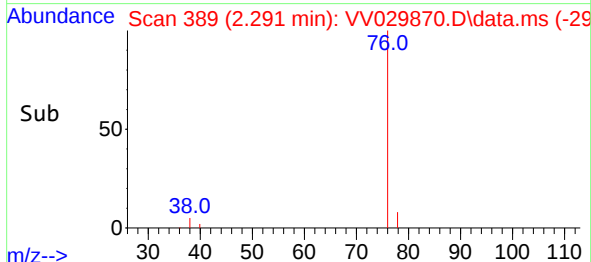
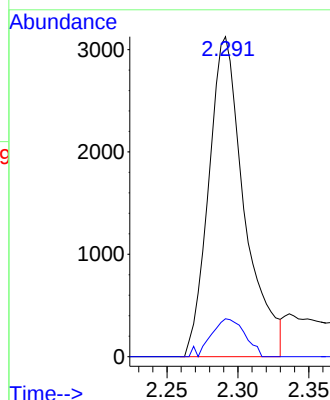
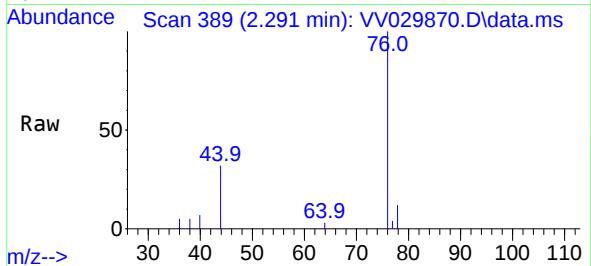




#14
Carbon disulfide
Concen: 0.098 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

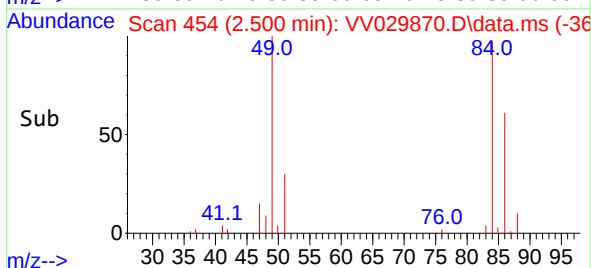
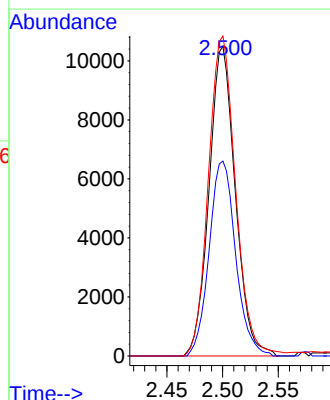
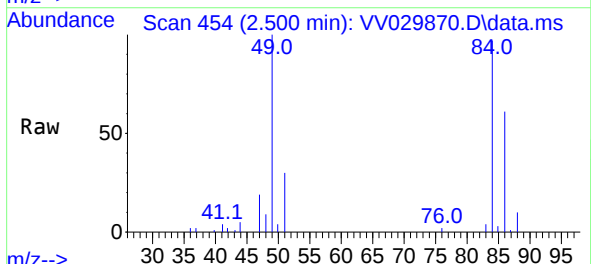
Instrument :
MSVOA_V
ClientSampleId :
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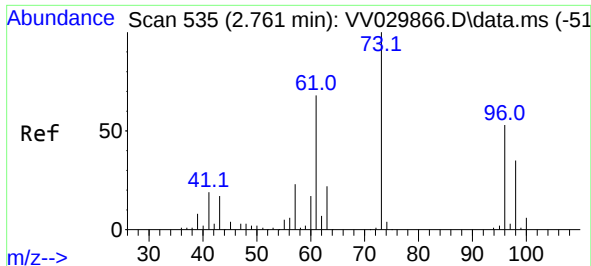
Tgt Ion: 76 Resp: 5465
Ion Ratio Lower Upper
76 100
78 11.8 7.4 11.0#



#16
Methylene chloride
Concen: 0.712 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

Tgt Ion: 84 Resp: 17211
Ion Ratio Lower Upper
84 100
86 62.9 45.0 83.6
49 103.3 71.5 132.7

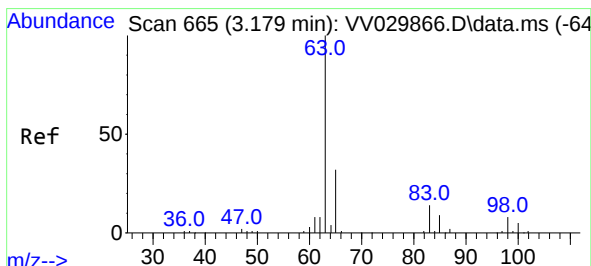
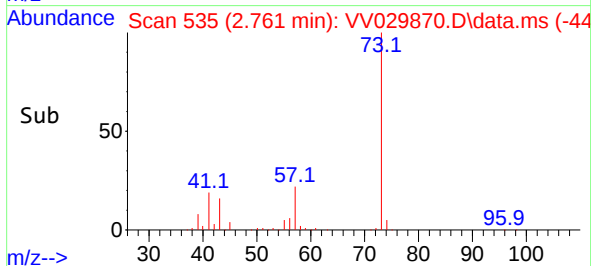
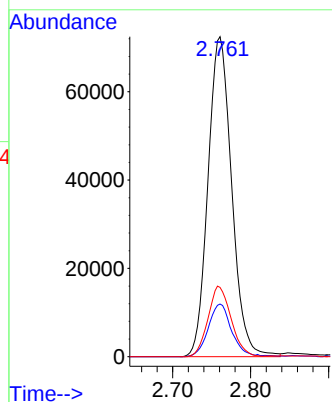
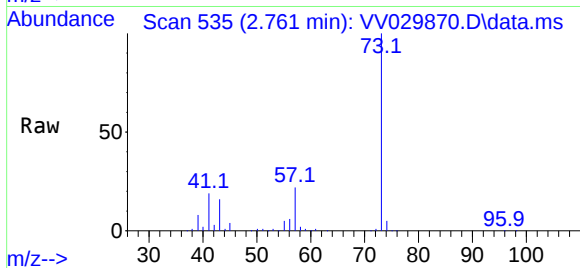




#17
Methyl tert-butyl Ether
Concen: 4.560 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

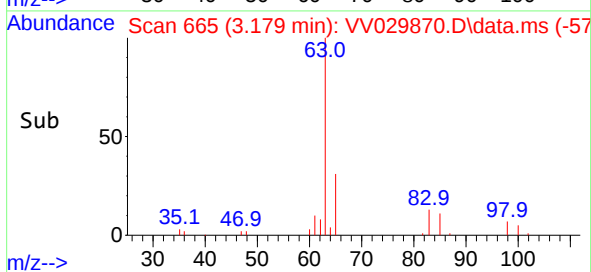
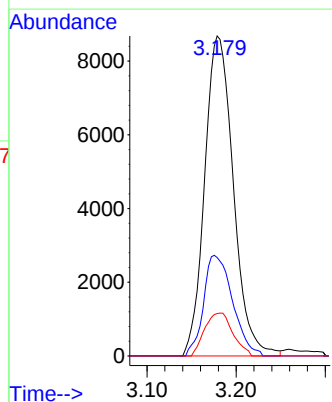
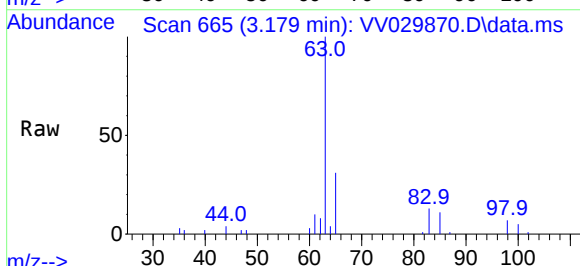
Instrument :
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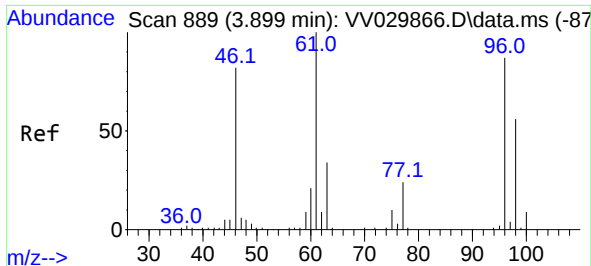
Tgt Ion: 73 Resp: 153408
Ion Ratio Lower Upper
73 100
43 16.1 13.0 19.4
57 21.4 17.1 25.7



#19
1,1-Dichloroethane
Concen: 0.642 ug/L
RT: 3.179 min Scan# 665
Delta R.T. 0.000 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

Tgt Ion: 63 Resp: 19428
Ion Ratio Lower Upper
63 100
65 30.7 22.4 41.6
83 13.3 10.2 19.0

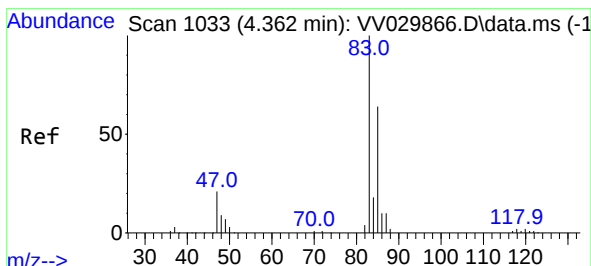
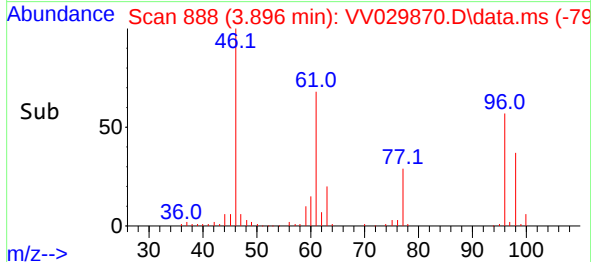
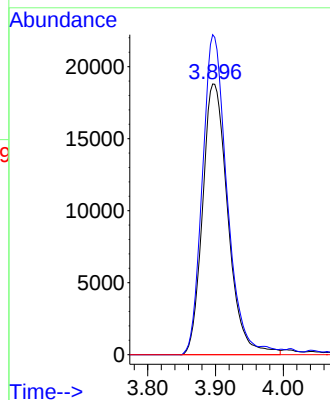
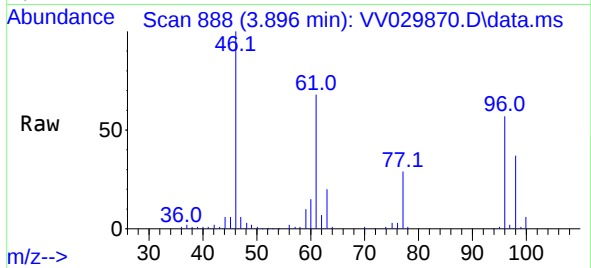




#22
cis-1,2-Dichloroethene
Concen: 2.533 ug/L
RT: 3.896 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

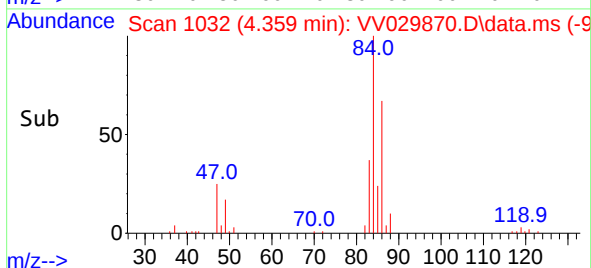
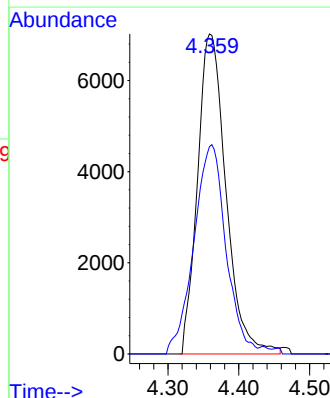
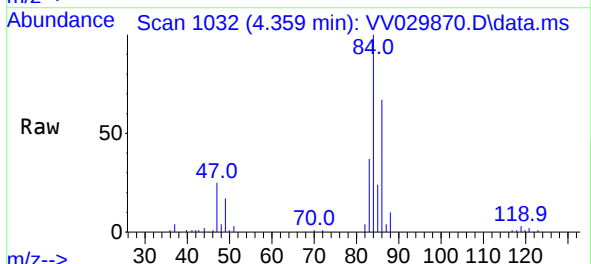
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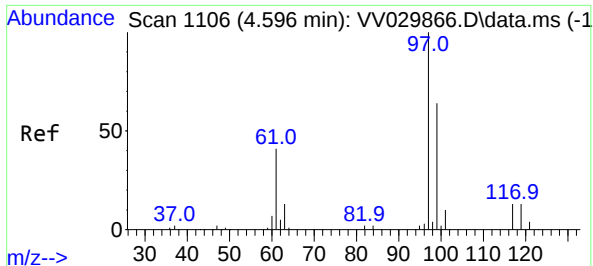
Tgt Ion: 96 Resp: 48826
Ion Ratio Lower Upper
96 100
61 118.2 80.0 148.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.596 ug/L
RT: 4.359 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VV029870.D
Acq: 16 Jan 2023 12:37

Tgt Ion: 83 Resp: 19596
Ion Ratio Lower Upper
83 100
85 64.8 46.5 86.5





#29

1,1,1-Trichloroethane

Concen: 0.784 ug/L

RT: 4.593 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

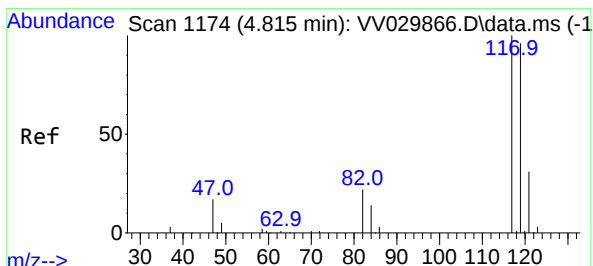
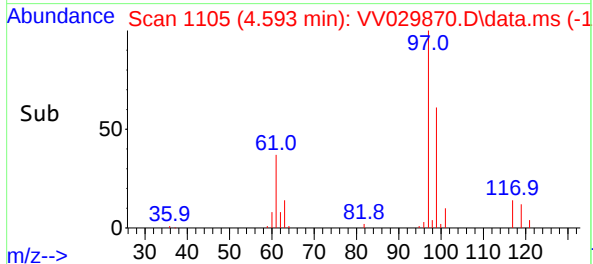
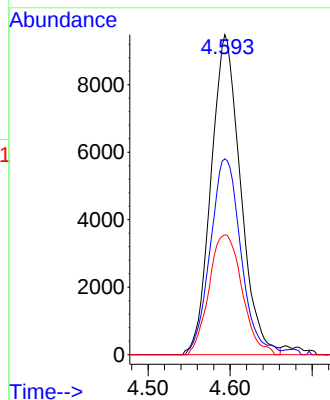
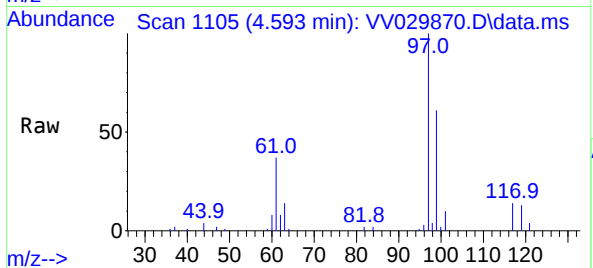
Tgt Ion: 97 Resp: 23673

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 42.0 31.6 47.4



#31

Carbon tetrachloride

Concen: 0.125 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.215 min

Lab File: VV029870.D

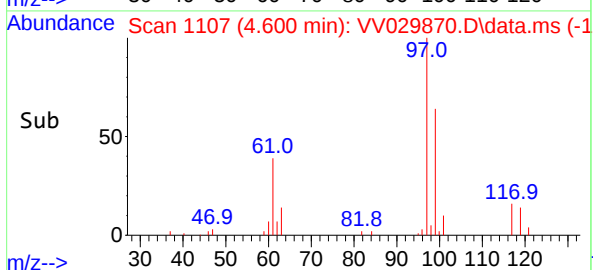
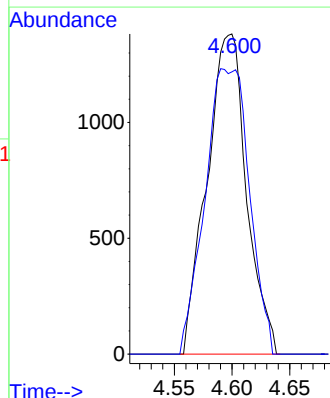
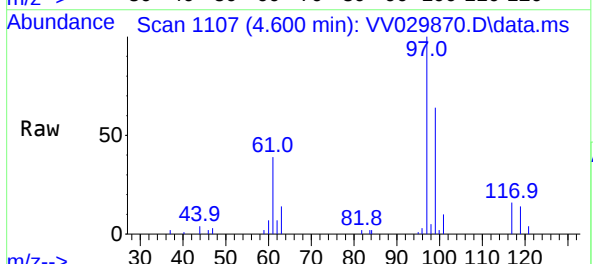
Acq: 16 Jan 2023 12:37

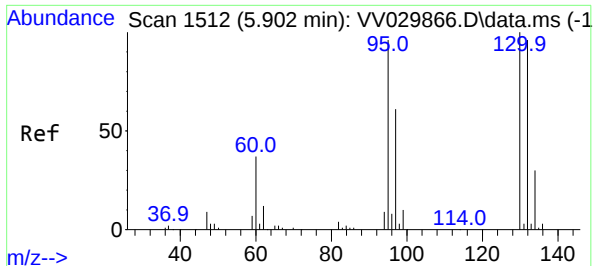
Tgt Ion: 117 Resp: 3295

Ion Ratio Lower Upper

117 100

119 99.9 76.6 114.8





#34

Trichloroethene

Concen: 9.834 ug/L

RT: 5.899 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

Tgt Ion: 95 Resp: 191643

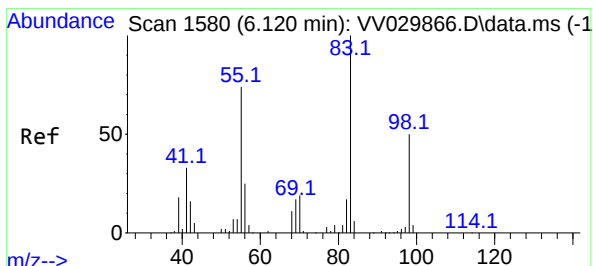
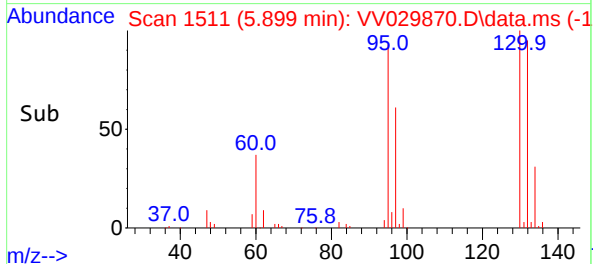
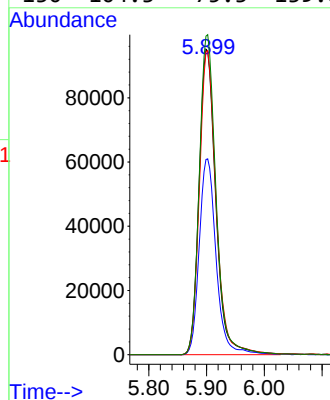
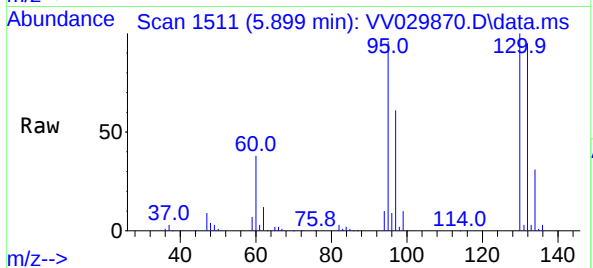
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.3

132 99.0 71.8 133.4

130 104.3 75.3 139.8



#35

Methylcyclohexane

Concen: 0.701 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.064 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

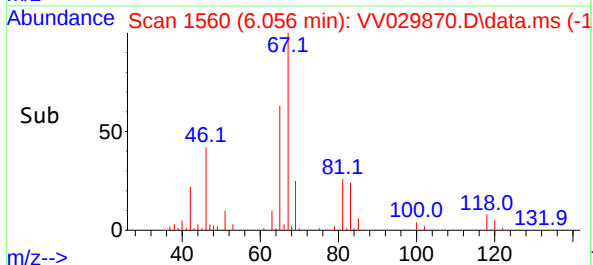
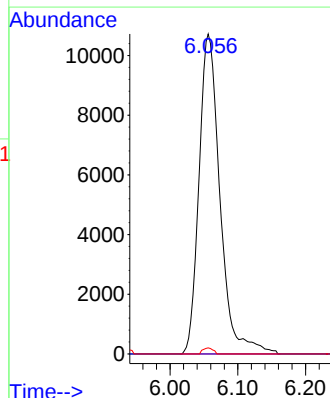
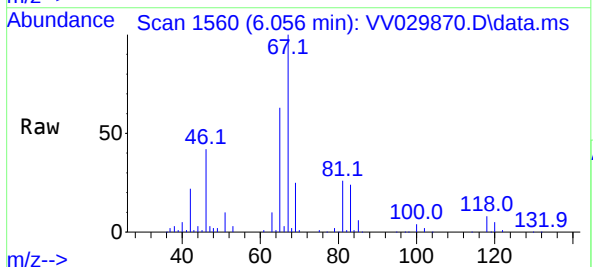
Tgt Ion: 83 Resp: 23051

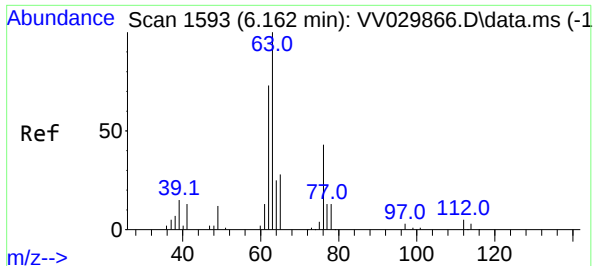
Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 0.9 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.056 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

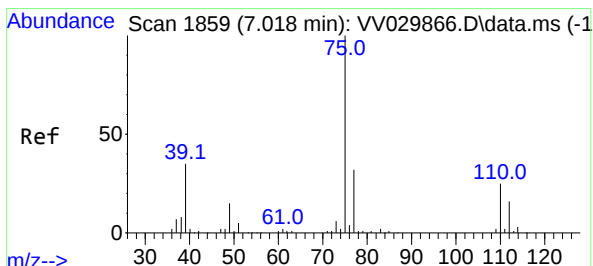
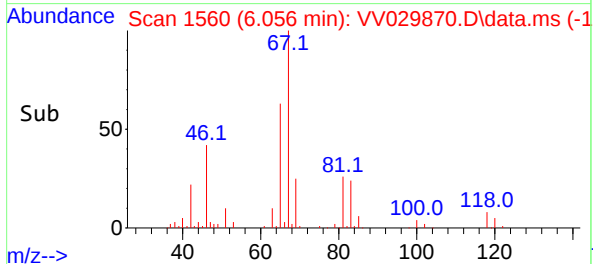
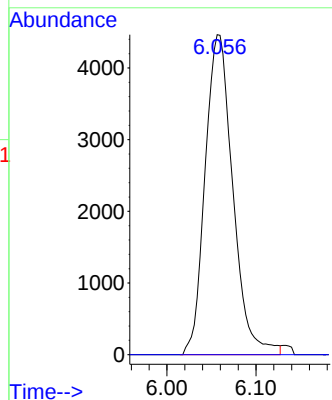
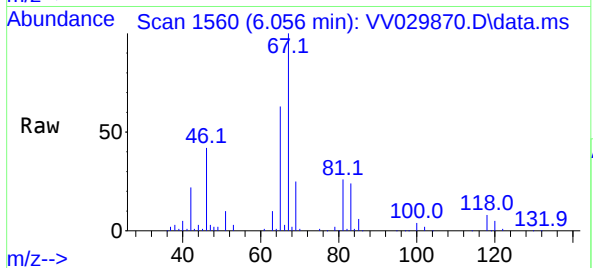
BGJB9

Tgt Ion: 63 Resp: 9665

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.973 min Scan# 1845

Delta R.T. -0.045 min

Lab File: VV029870.D

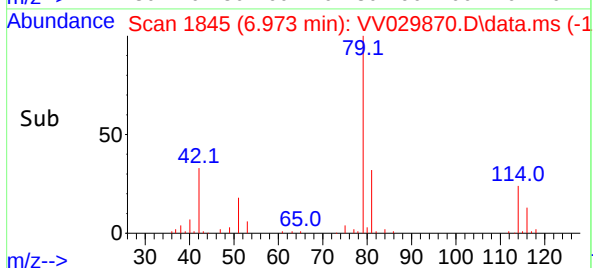
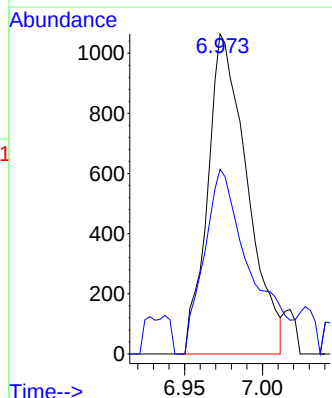
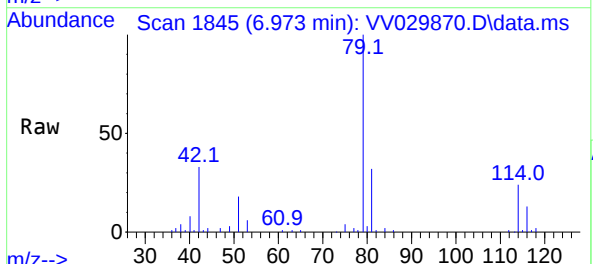
Acq: 16 Jan 2023 12:37

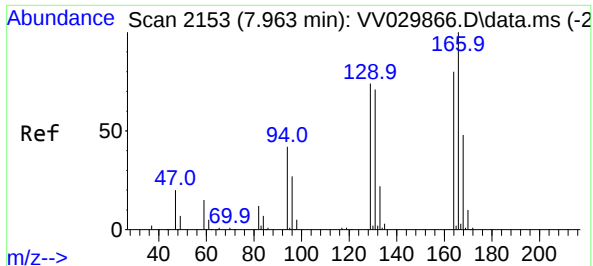
Tgt Ion: 75 Resp: 1878

Ion Ratio Lower Upper

75 100

77 57.7 22.4 41.6#





#47

Tetrachloroethene

Concen: 0.598 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. -0.003 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

Tgt Ion:164 Resp: 9811

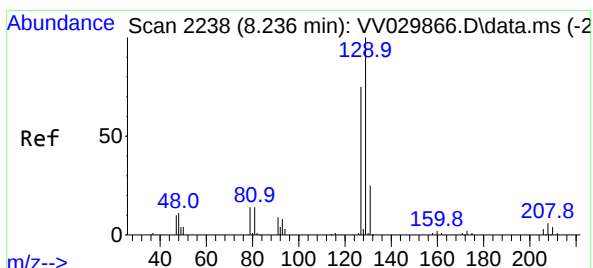
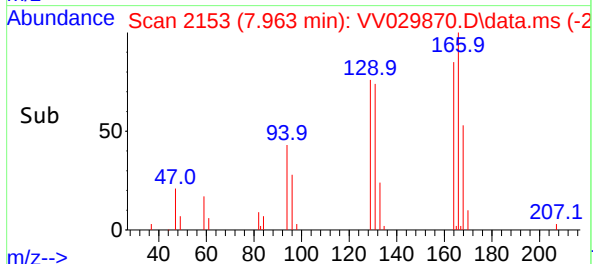
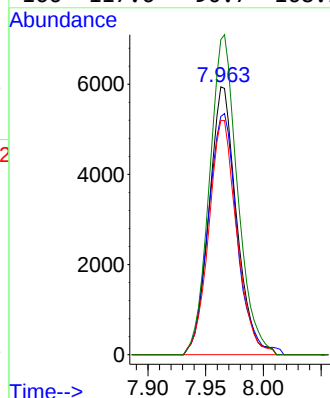
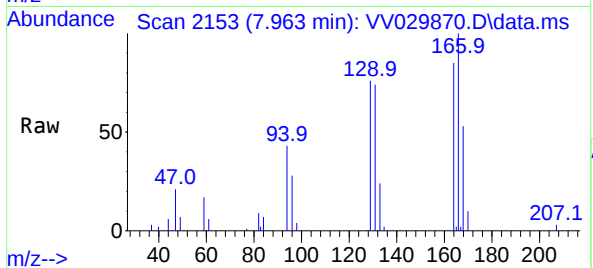
Ion Ratio Lower Upper

164 100

129 89.0 64.5 119.7

131 87.5 62.9 116.7

166 117.6 90.7 168.5



#49

Dibromochloromethane

Concen: 0.588 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029870.D

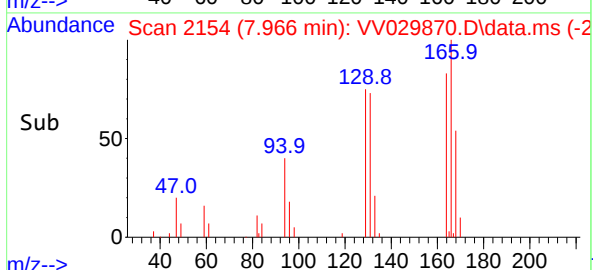
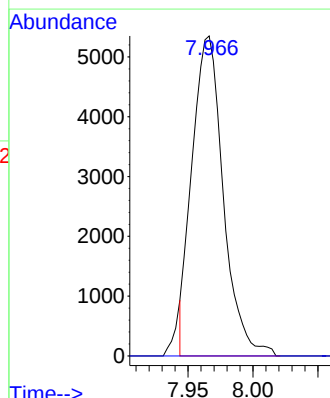
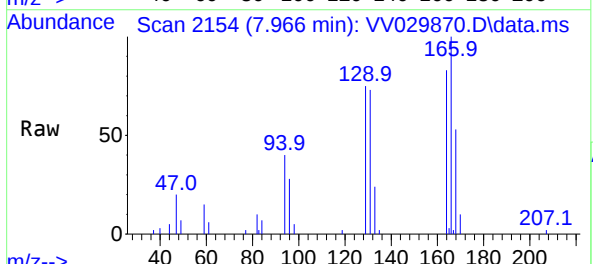
Acq: 16 Jan 2023 12:37

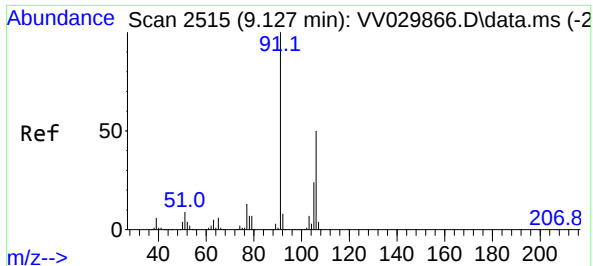
Tgt Ion:129 Resp: 8949

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#





#53

m,p-Xylene

Concen: 0.057 ug/L

RT: 9.133 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

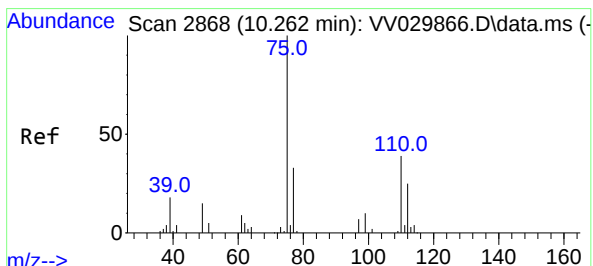
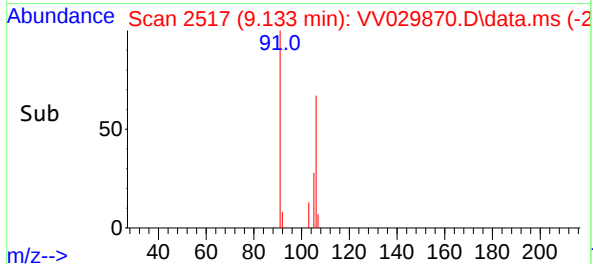
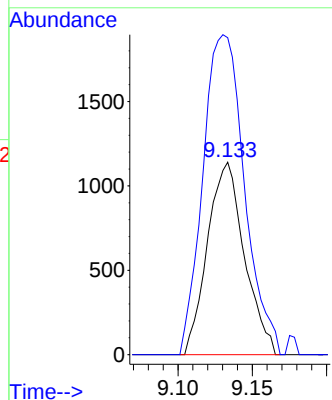
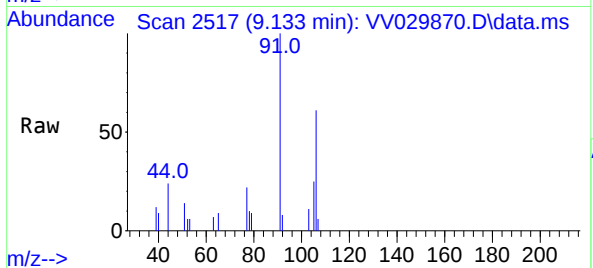
BGJB9

Tgt Ion:106 Resp: 1970

Ion Ratio Lower Upper

106 100

91 164.7 138.7 257.7



#61

1,2,3-Trichloropropane

Concen: 1.498 ug/L

RT: 11.233 min Scan# 3170

Delta R.T. 0.971 min

Lab File: VV029870.D

Acq: 16 Jan 2023 12:37

Tgt Ion: 75 Resp: 12619

Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7

110 2.8 31.8 47.8#

