

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026729.D
 Acq On : 12 Jul 2022 16:11
 Operator : SY/MD
 Sample : N3601-19DL 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB2DL

Quant Time: Jul 13 03:02:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 02:57:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	143439	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	148674	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59963	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	94409	7.215	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	144.200%#
7) Chloroethane-d5	1.561	69	86144	7.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	152.400%#
11) 1,1-Dichloroethene-d2	2.101	63	138998	5.533	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.600%
20) 2-Butanone-d5	3.892	46	154023	75.415	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.840%#
24) Chloroform-d	4.346	84	176658	7.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	154.400%#
26) 1,2-Dichloroethane-d4	5.030	65	80944	8.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	162.000%#
32) Benzene-d6	5.047	84	327690	7.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	145.000%#
36) 1,2-Dichloropropane-d6	6.066	67	105887	7.817	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	156.400%#
41) Toluene-d8	7.313	98	250344	6.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.800%
43) trans-1,3-Dichloroprop...	7.625	79	22008	4.966	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.088	63	133936	69.805	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.600%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	75834	7.187	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	143.800%#
66) 1,2-Dichlorobenzene-d4	11.625	152	83801	8.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	160.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1048	0.060	ug/L	87
5) Vinyl chloride	1.304	62	1966	0.110	ug/L #	1
6) Bromomethane	1.516	94	762	0.071	ug/L	80
8) Chloroethane	1.436	64	43035	4.099	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1144	0.088	ug/L #	21
12) 1,1-Dichloroethene	2.101	96	1479	0.118	ug/L #	1
14) Carbon disulfide	2.288	76	3076	0.083	ug/L #	87
15) Methyl Acetate	2.442	43	1622	0.467	ug/L #	80
16) Methylene chloride	2.503	84	11514	0.769	ug/L	92
18) trans-1,2-Dichloroethene	2.760	96	1928	0.167	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	49718	4.264	ug/L	97
34) Trichloroethene	5.911	95	83457	6.832	ug/L	96
35) Methylcyclohexane	6.066	83	25238	1.354	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	11424	0.961	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	1732	0.117	ug/L #	72
44) trans-1,3-Dichloropropene	7.625	75	1033	0.085	ug/L	83
45) 1,1,2-Trichloroethane	7.966	97	806	0.093	ug/L #	1
47) Tetrachloroethene	7.972	164	89172	9.307	ug/L	99
49) Dibromochloromethane	7.972	129	85713	8.560	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 13 02:57:58 2022
Response via : Initial Calibration

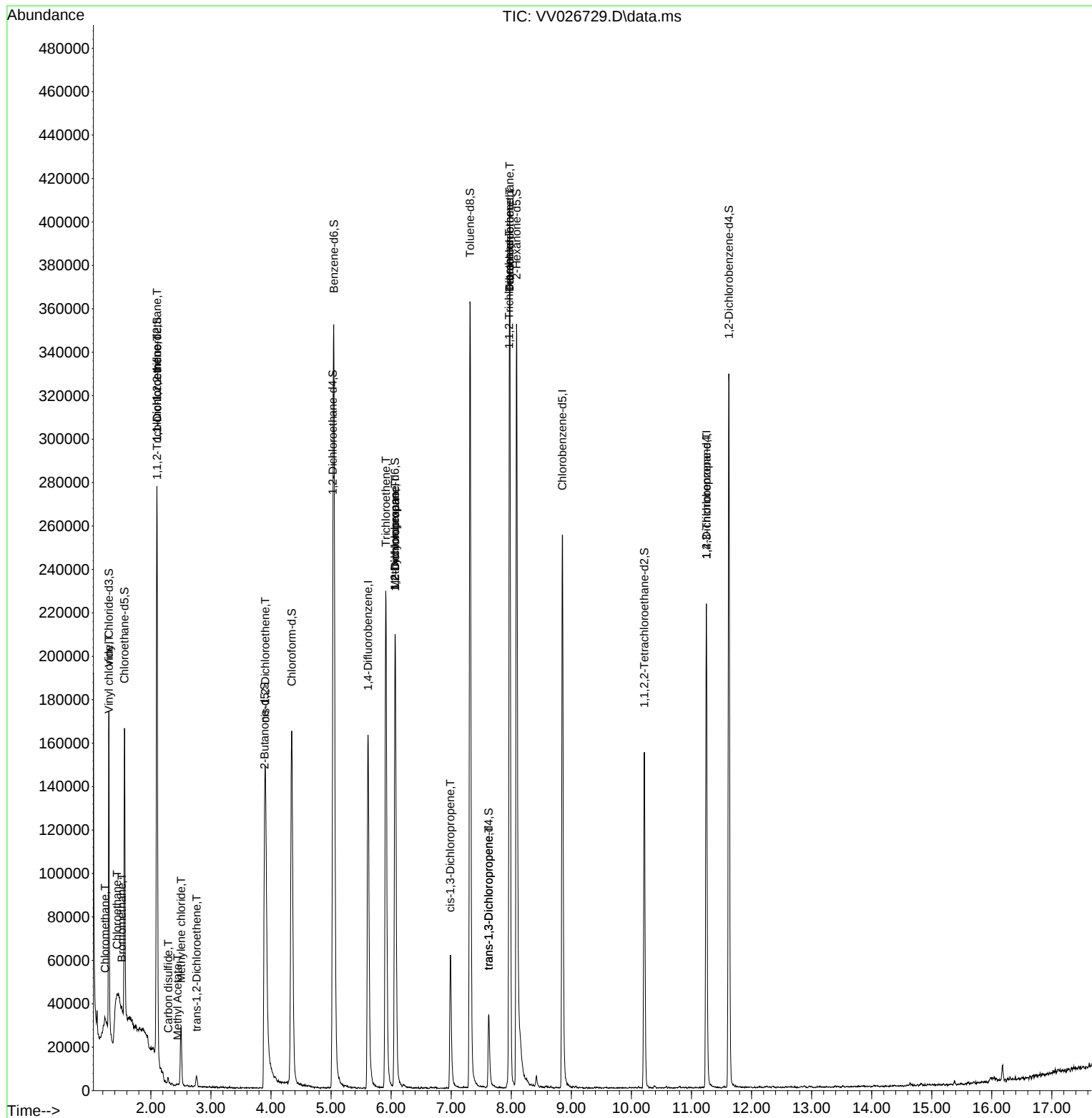
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	7648	1.383	ug/L #	64

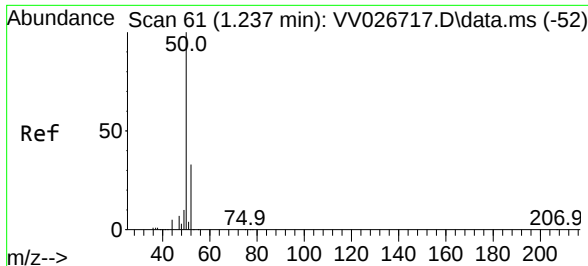
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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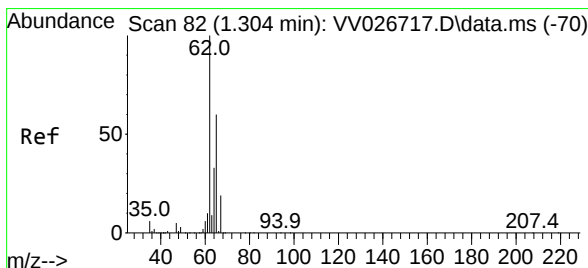
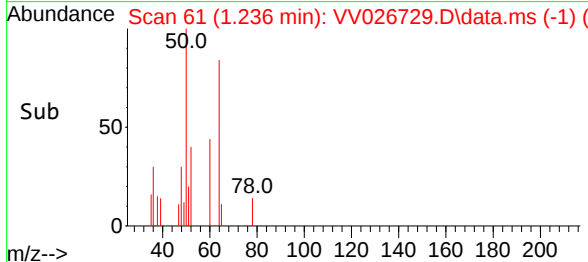
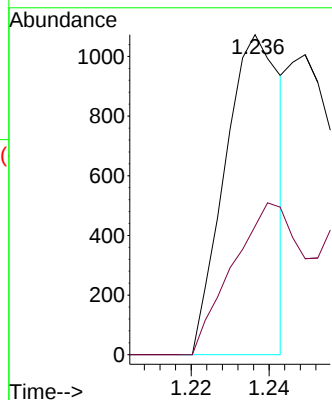
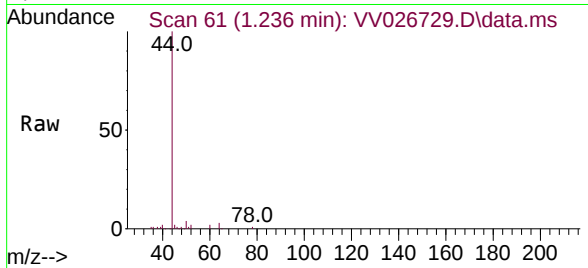




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

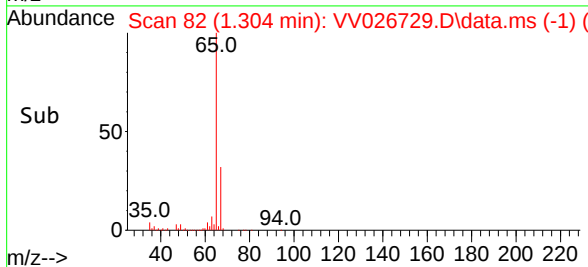
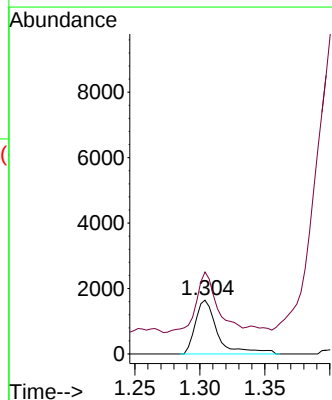
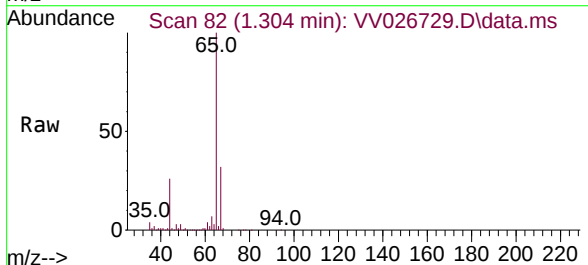
Instrument :
MSVOA_V
ClientSampleId :
DBUB2DL

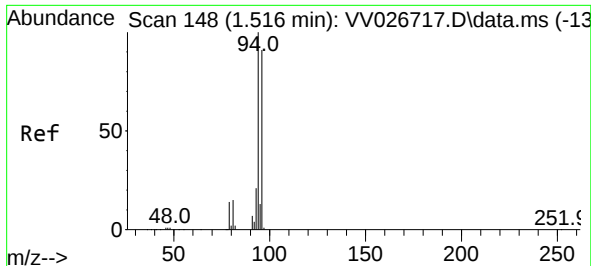
Tgt Ion: 50 Resp: 1048
Ion Ratio Lower Upper
50 100
52 40.2 22.8 42.4



#5
Vinyl chloride
Concen: 0.110 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 62 Resp: 1966
Ion Ratio Lower Upper
62 100
64 152.3 22.9 42.5#

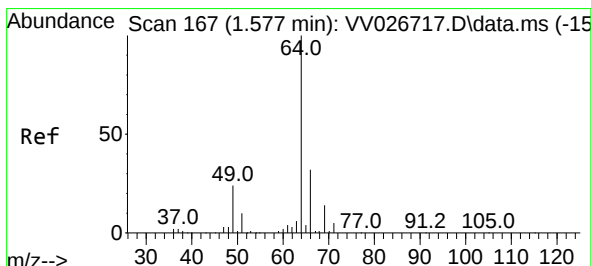
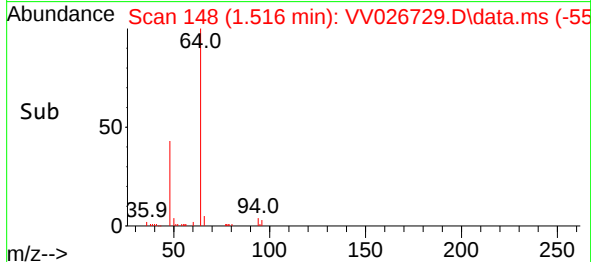
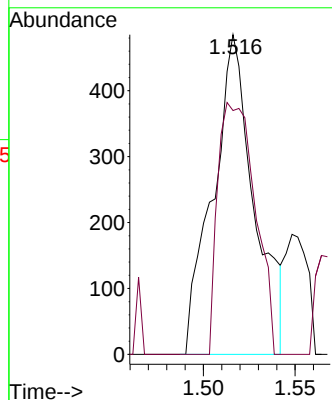
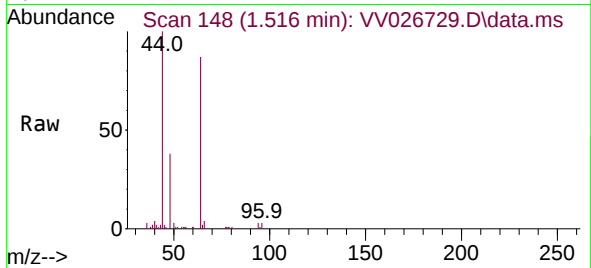




#6
Bromomethane
Concen: 0.071 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.000 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

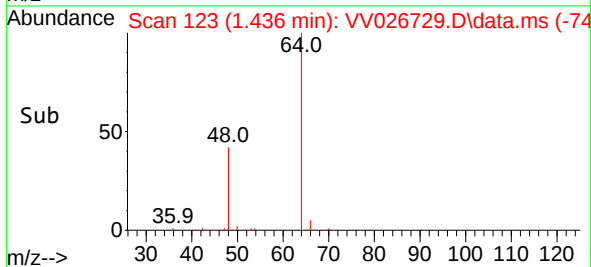
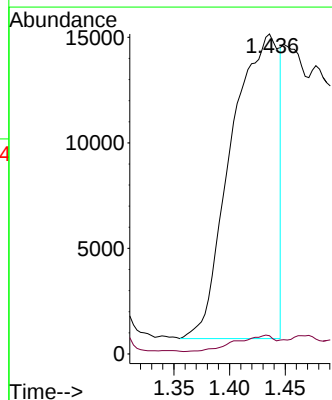
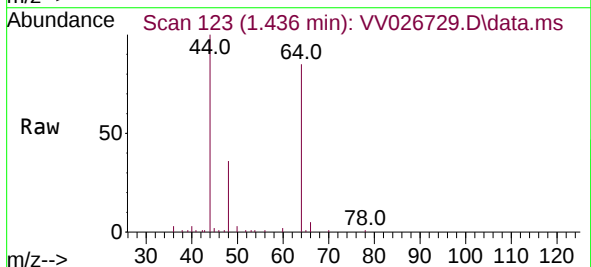
Instrument :
MSVOA_V
ClientSampleId :
DBUB2DL

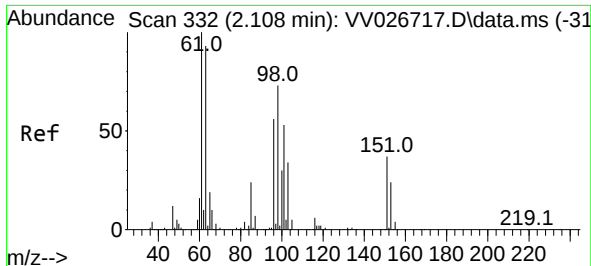
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 76.3 67.1 124.7



#8
Chloroethane
Concen: 4.099 ug/L
RT: 1.436 min Scan# 123
Delta R.T. -0.142 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 64 Resp: 43035
Ion Ratio Lower Upper
64 100
66 5.7 23.9 44.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.088 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_V

ClientSampleId :

DBUB2DL

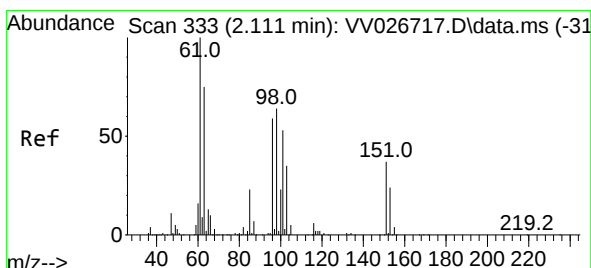
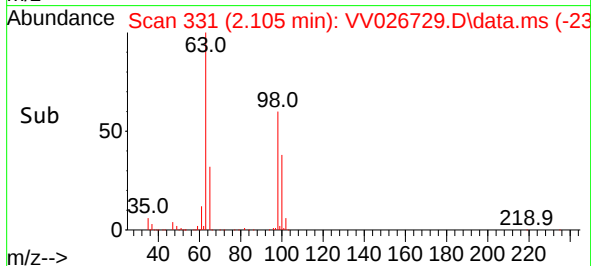
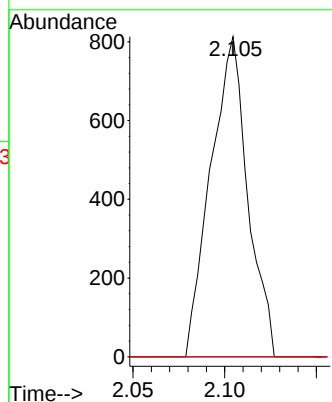
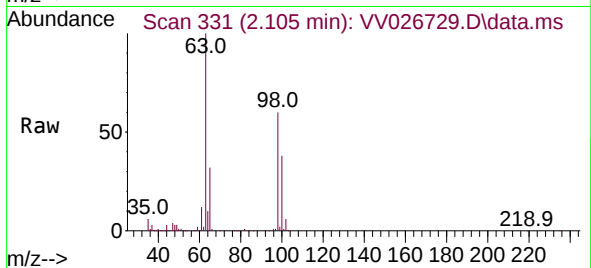
Tgt Ion:101 Resp: 1144

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.118 ug/L

RT: 2.101 min Scan# 330

Delta R.T. -0.010 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

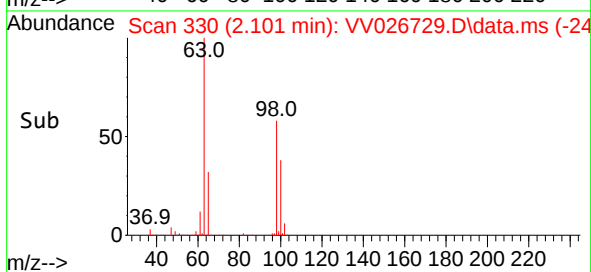
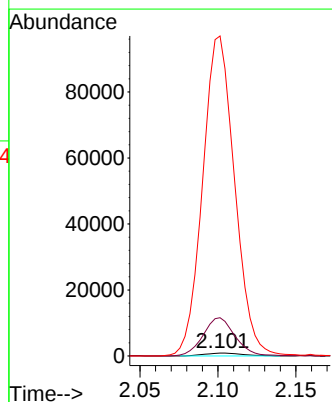
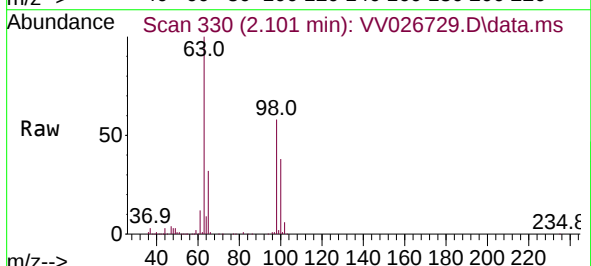
Tgt Ion: 96 Resp: 1479

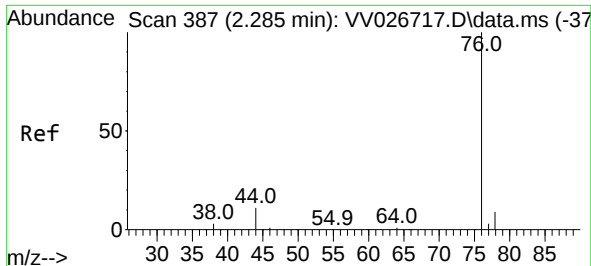
Ion Ratio Lower Upper

96 100

61 1339.9 118.3 219.7#

63 11187.1 79.9 148.3#

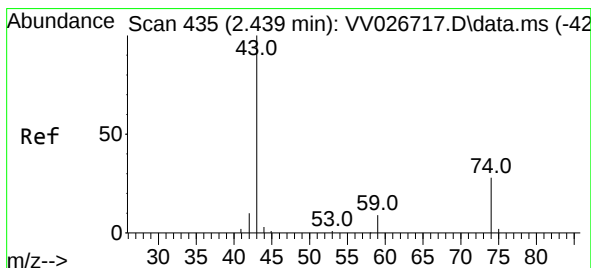
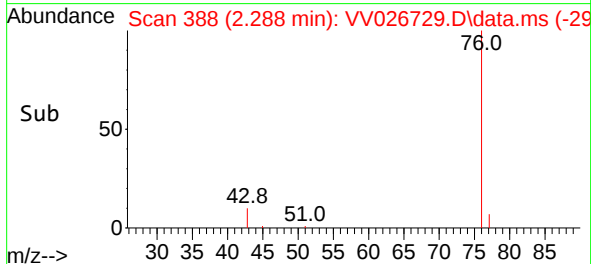
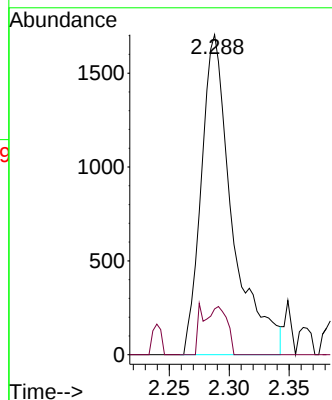
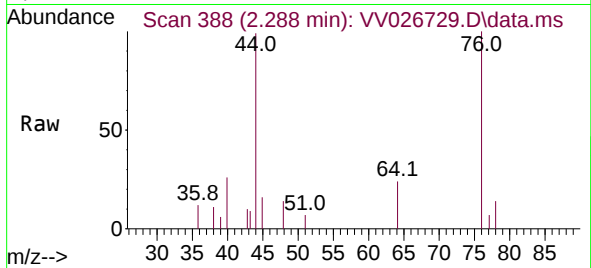




#14
Carbon disulfide
Concen: 0.083 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

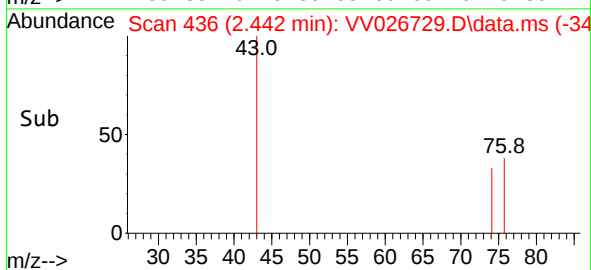
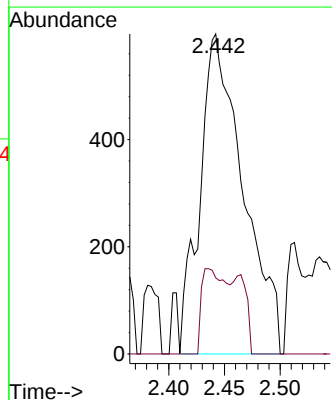
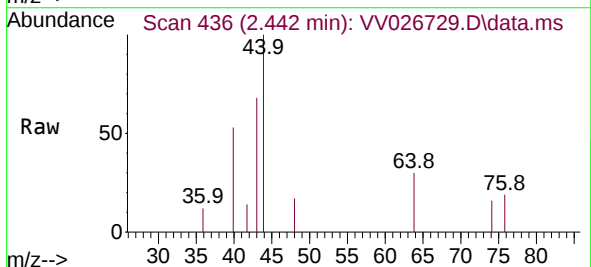
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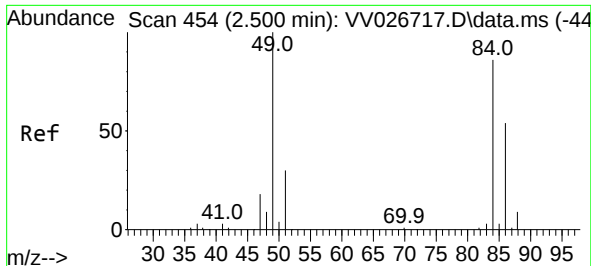
Tgt Ion: 76 Resp: 3076
Ion Ratio Lower Upper
76 100
78 14.3 7.7 11.5#



#15
Methyl Acetate
Concen: 0.467 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
74 15.2 20.1 30.1#

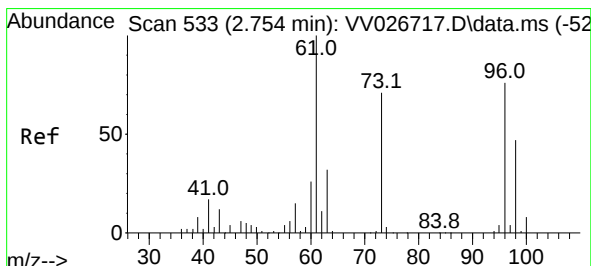
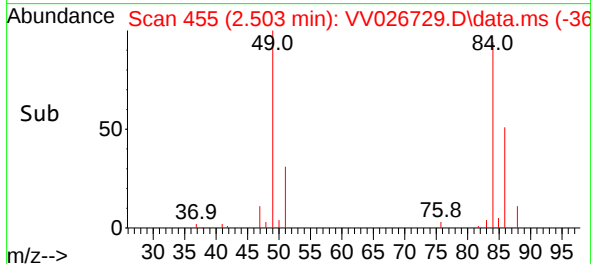
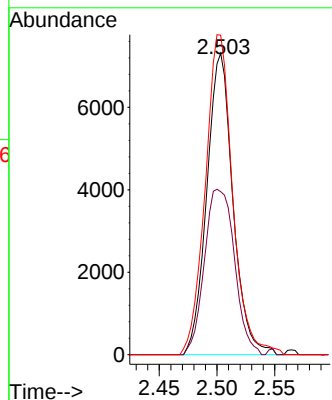
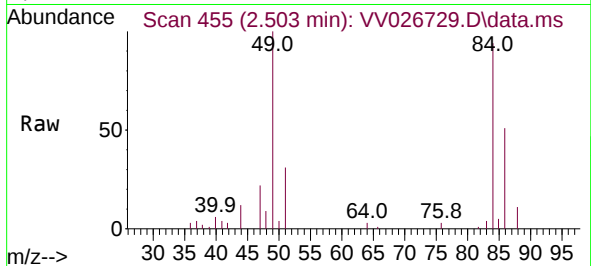




#16
Methylene chloride
Concen: 0.769 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

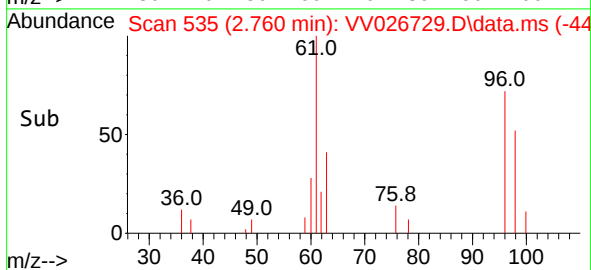
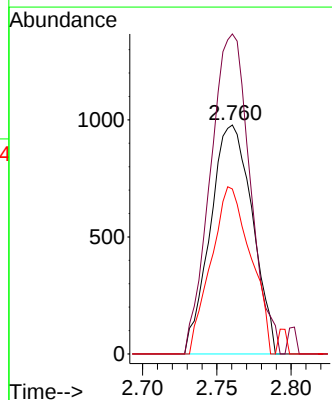
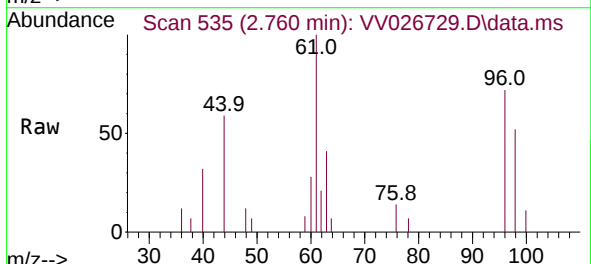
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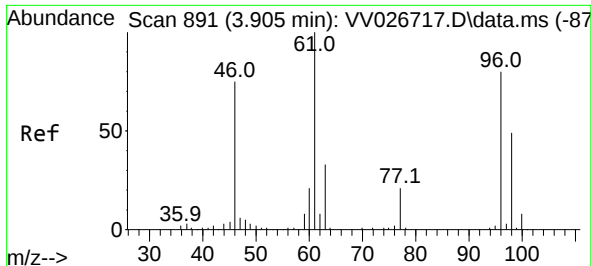
Tgt Ion: 84 Resp: 11514
Ion Ratio Lower Upper
84 100
86 54.1 44.8 83.2
49 106.0 78.7 146.1



#18
trans-1,2-Dichloroethene
Concen: 0.167 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV026729.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 96 Resp: 1928
Ion Ratio Lower Upper
96 100
61 139.8 94.7 175.9
98 72.1 47.4 88.0





#22

cis-1,2-Dichloroethene

Concen: 4.264 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_V

ClientSampleId :

DBUB2DL

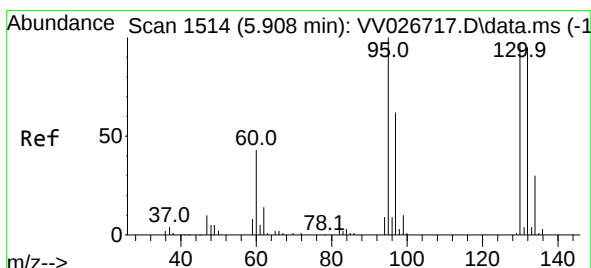
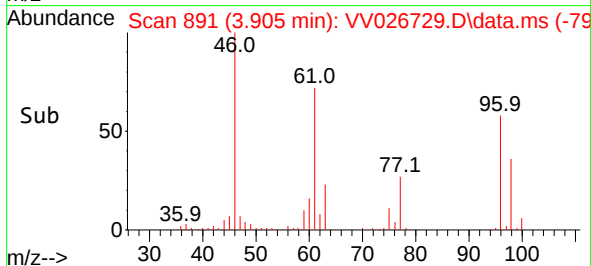
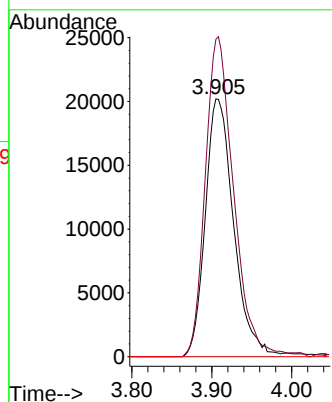
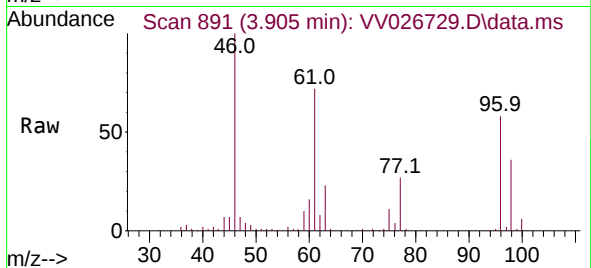
Tgt Ion: 96 Resp: 49718

Ion Ratio Lower Upper

96 100

61 123.1 83.9 155.9

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 6.832 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Tgt Ion: 95 Resp: 83457

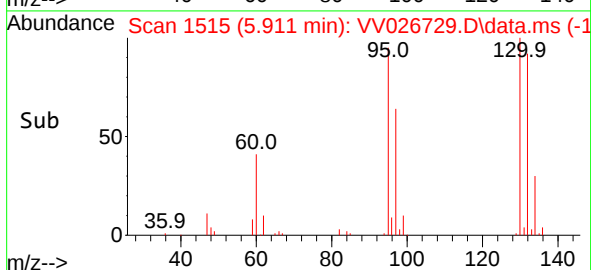
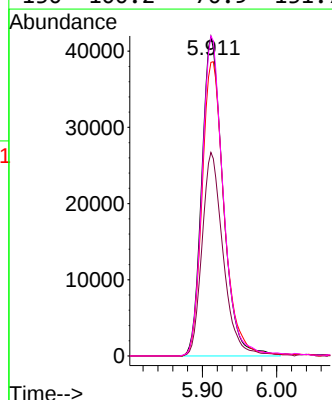
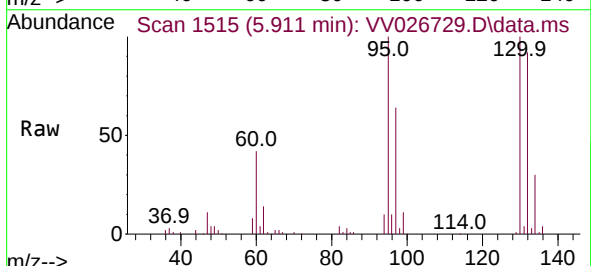
Ion Ratio Lower Upper

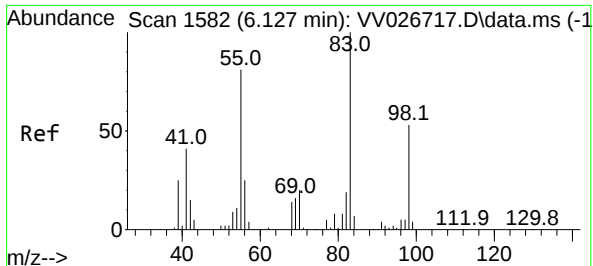
95 100

97 63.7 44.6 82.8

132 91.9 70.2 130.4

130 100.2 70.9 131.7





#35

Methylcyclohexane

Concen: 1.354 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_V

ClientSampleId :

DBUB2DL

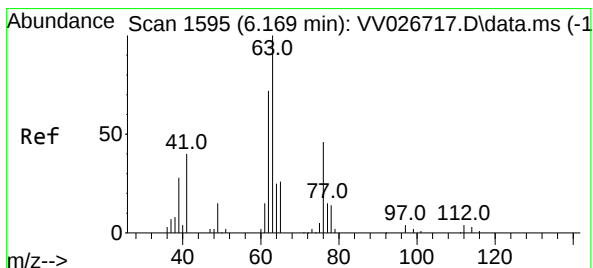
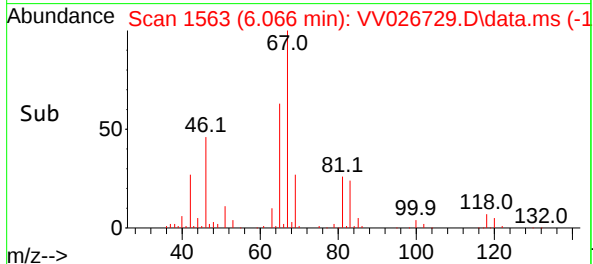
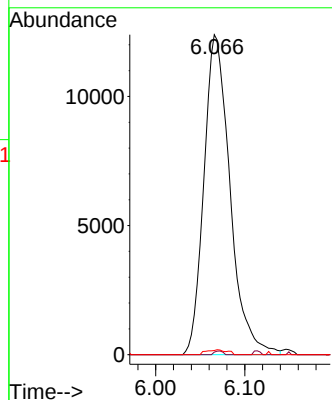
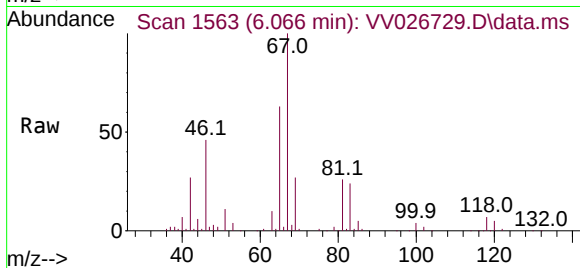
Tgt Ion: 83 Resp: 25238

Ion Ratio Lower Upper

83 100

55 0.4 59.5 89.3#

98 1.2 38.3 57.5#



#37

1,2-Dichloropropane

Concen: 0.961 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.100 min

Lab File: VV026729.D

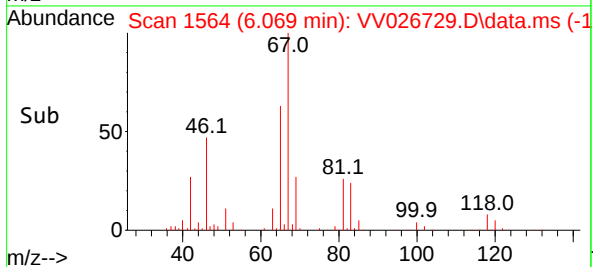
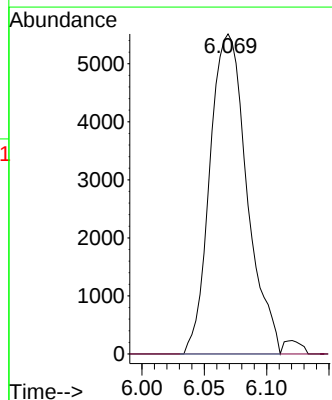
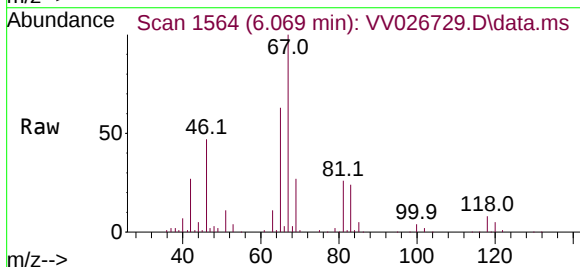
Acq: 12 Jul 2022 16:11

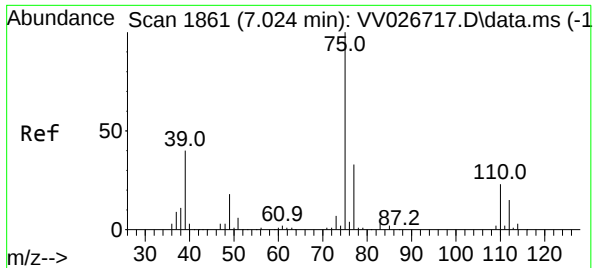
Tgt Ion: 63 Resp: 11424

Ion Ratio Lower Upper

63 100

112 0.2 4.2 6.2#

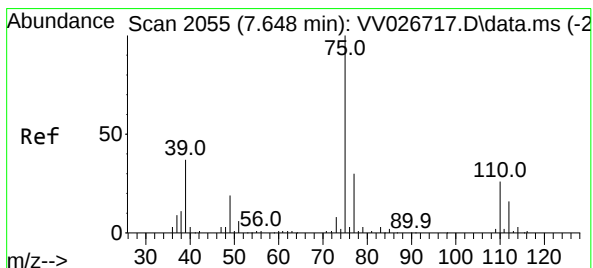
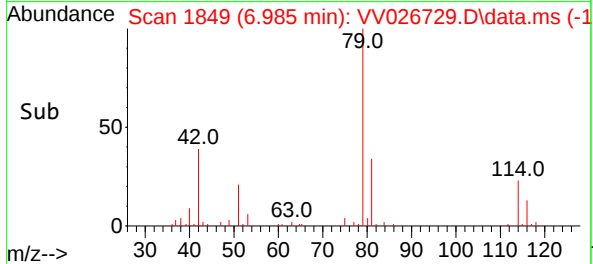
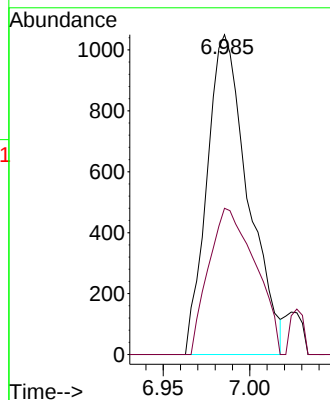
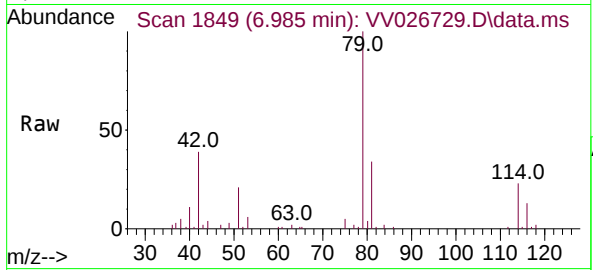




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 6.985 min Scan# 11
 Delta R.T. -0.039 min
 Lab File: VV026729.D
 Acq: 12 Jul 2022 16:11

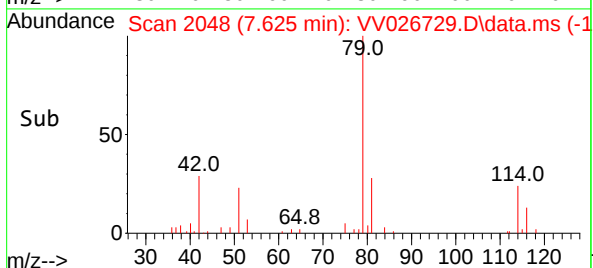
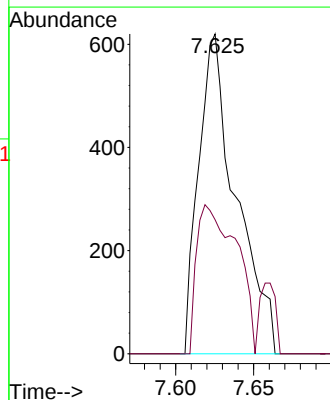
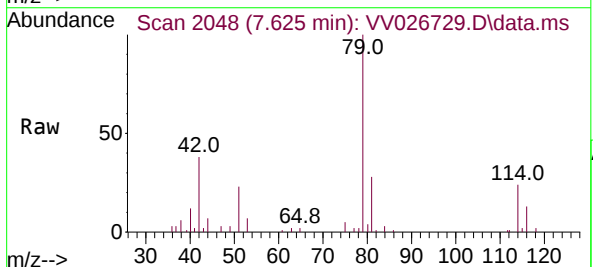
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB2DL

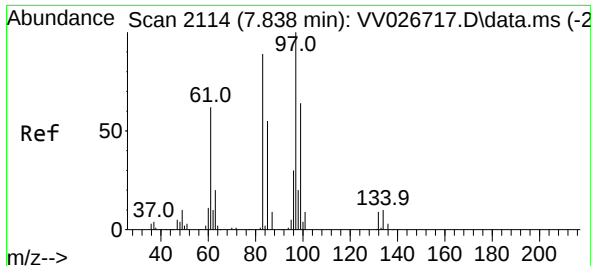
Tgt Ion: 75 Resp: 1732
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.4 39.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.625 min Scan# 2048
 Delta R.T. -0.023 min
 Lab File: VV026729.D
 Acq: 12 Jul 2022 16:11

Tgt Ion: 75 Resp: 1033
 Ion Ratio Lower Upper
 75 100
 77 41.9 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 0.093 ug/L

RT: 7.966 min Scan# 2114

Delta R.T. 0.128 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_V

ClientSampleId :

DBUB2DL

Tgt Ion: 97 Resp: 806

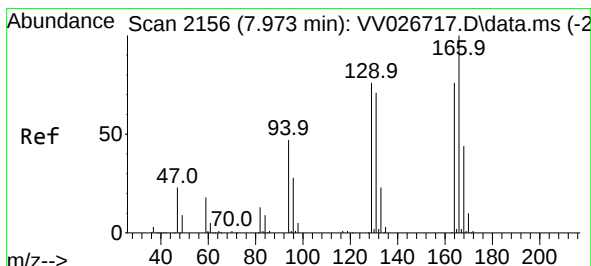
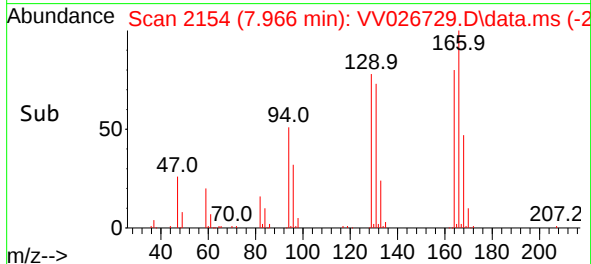
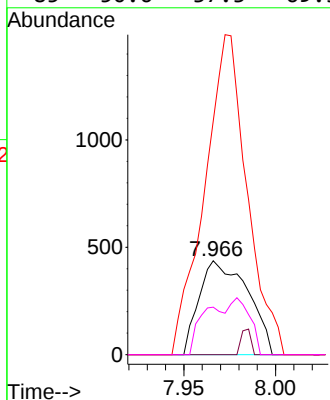
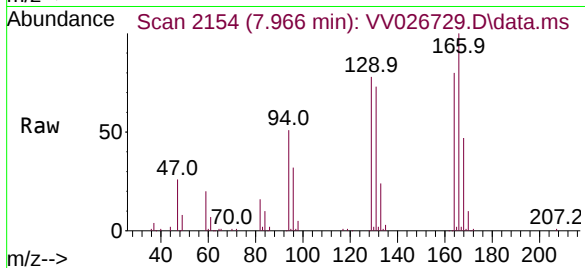
Ion Ratio Lower Upper

97 100

99 0.0 41.9 77.9#

83 249.0 58.1 107.9#

85 50.6 37.3 69.3



#47

Tetrachloroethene

Concen: 9.307 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Tgt Ion:164 Resp: 89172

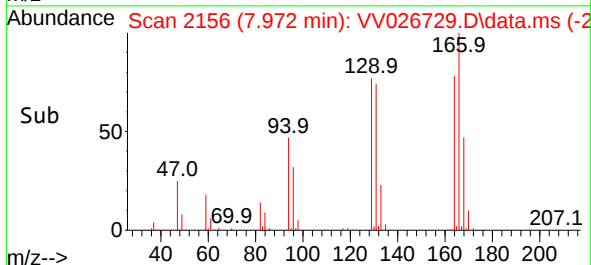
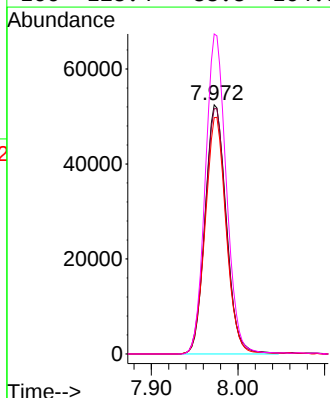
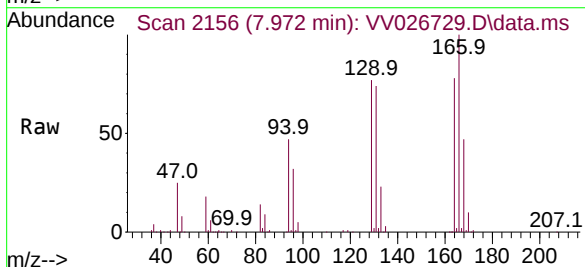
Ion Ratio Lower Upper

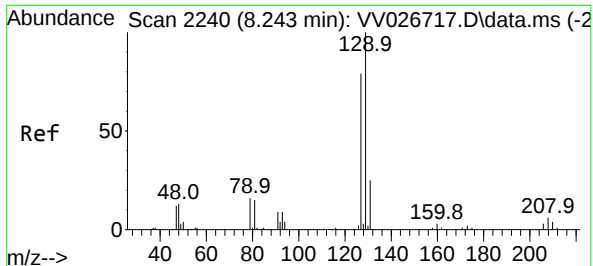
164 100

129 98.4 67.8 125.8

131 94.9 65.9 122.5

166 128.4 88.8 164.8





#49

Dibromochloromethane

Concen: 8.560 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_V

ClientSampleId :

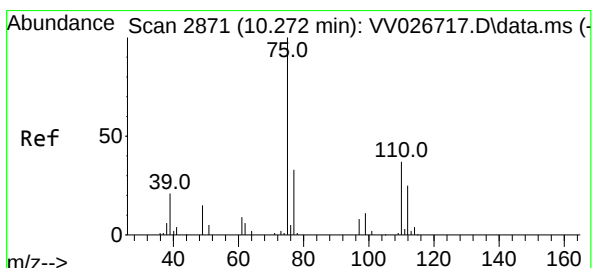
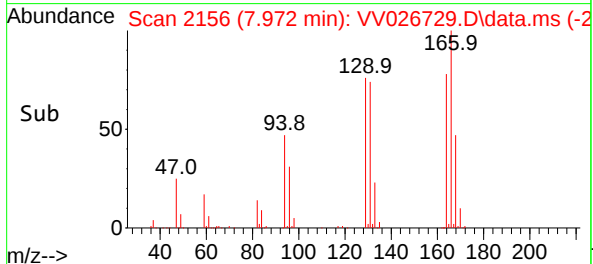
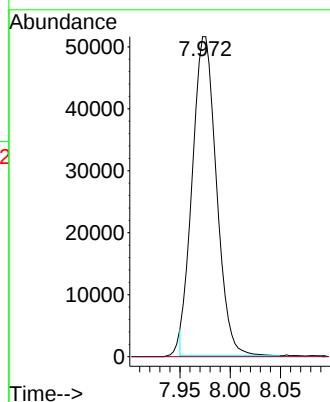
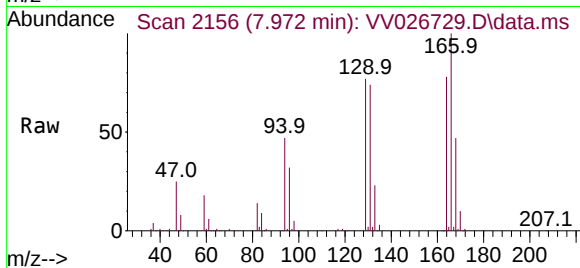
DBUB2DL

Tgt Ion:129 Resp: 85713

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.383 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV026729.D

Acq: 12 Jul 2022 16:11

Tgt Ion: 75 Resp: 7648

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.0

110 1.8 31.8 47.6#

