

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026738.D
 Acq On : 12 Jul 2022 20:14
 Operator : SY/MD
 Sample : N3601-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB9

Quant Time: Jul 13 03:05:19 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	188392	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	183133	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69537	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	67733	3.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.561	69	64016	4.311	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.101	63	97571	2.957	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.899	46	183230	68.308	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.620%#
24) Chloroform-d	4.346	84	135744	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.030	65	65162	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.047	84	232671	4.181	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.069	67	78467	4.703	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.313	98	157201	3.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.600%#
43) trans-1,3-Dichloroprop...	7.628	79	13874	2.542	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	50.800%#
46) 2-Hexanone-d5	8.088	63	117394	49.671	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	63889	4.915	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	57333	4.732	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	8282	0.360	ug/L	99
5) Vinyl chloride	1.304	62	23368	0.999	ug/L	90
6) Bromomethane	1.519	94	858	0.061	ug/L	85
8) Chloroethane	1.413	64	94479	6.852	ug/L #	50
12) 1,1-Dichloroethene	2.111	96	8398	0.508	ug/L #	1
14) Carbon disulfide	2.288	76	4763	0.098	ug/L #	93
15) Methyl Acetate	2.449	43	2730	0.598	ug/L #	82
16) Methylene chloride	2.500	84	16730	0.850	ug/L	97
17) Methyl tert-butyl Ether	2.773	73	2432	0.085	ug/L #	84
18) trans-1,2-Dichloroethene	2.754	96	159890	10.531	ug/L	99
19) 1,1-Dichloroethane	3.178	63	1382	0.050	ug/L	92
22) cis-1,2-Dichloroethene	3.905	96	1175766	76.783	ug/L	97
33) Benzene	5.104	78	4013	0.066	ug/L	100
34) Trichloroethene	5.918	95	7252	0.482	ug/L	91
35) Methylcyclohexane	6.069	83	19276	0.839	ug/L #	20
39) cis-1,3-Dichloropropene	6.989	75	1317	0.072	ug/L #	54
49) Dibromochloromethane	7.979	129	387	0.031	ug/L #	10
51) Chlorobenzene	8.886	112	2733	0.070	ug/L	91
61) 1,2,3-Trichloropropane	11.249	75	9124	1.423	ug/L #	66

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071222\
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Quant Time: Jul 13 03:05:19 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

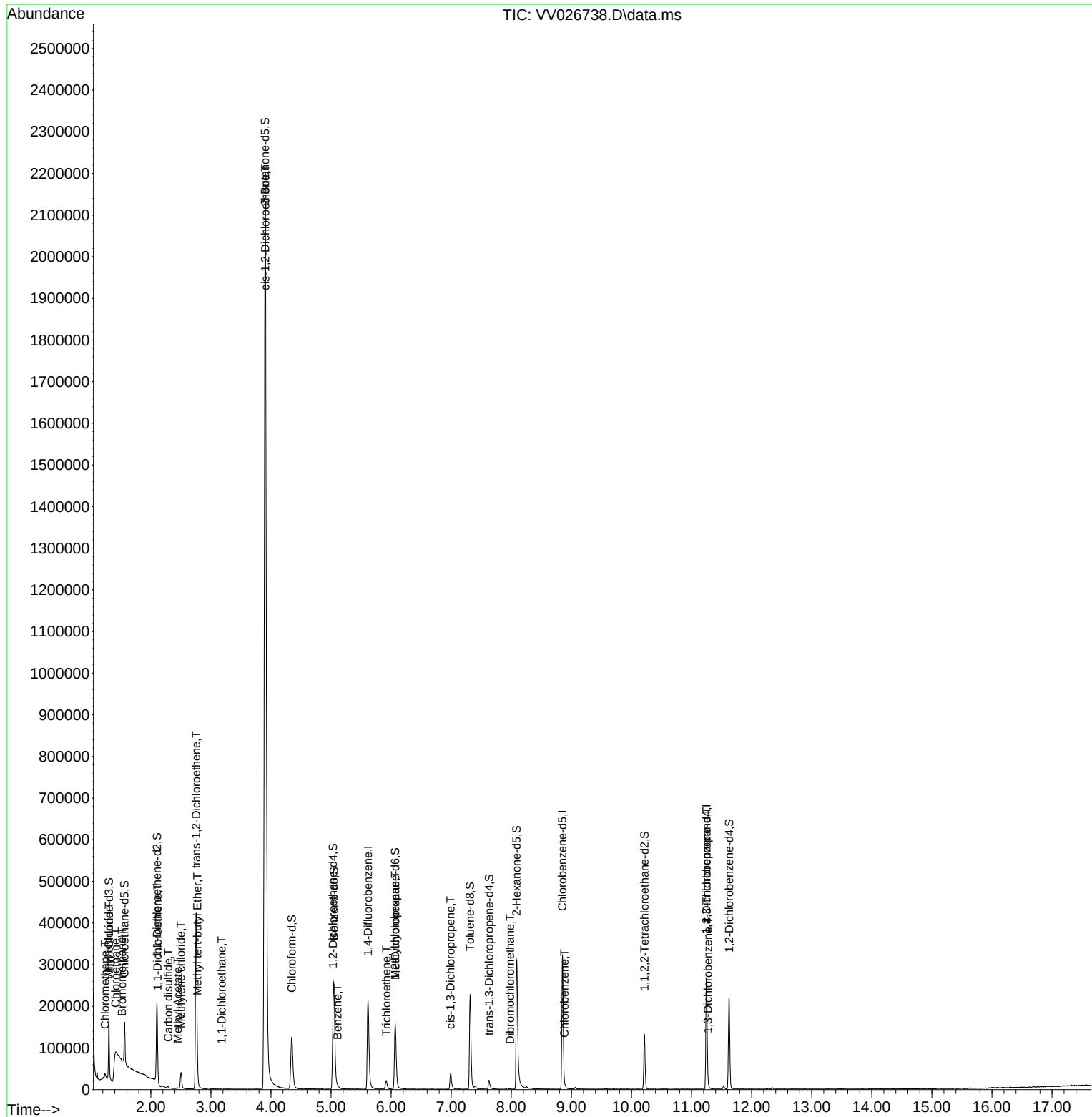
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.275	146	3064	0.144	ug/L	94

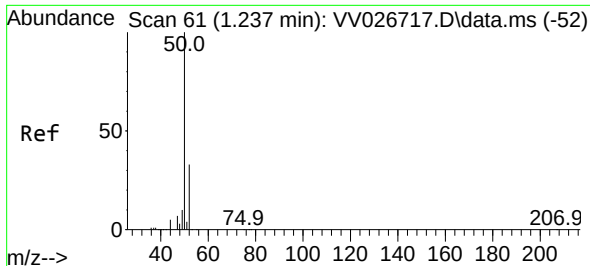
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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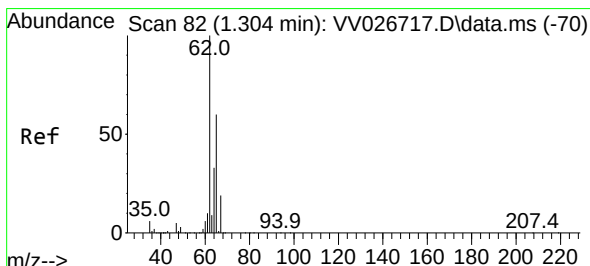
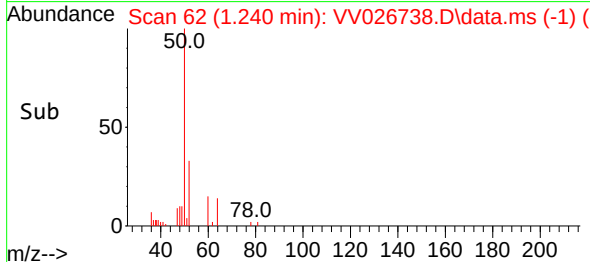
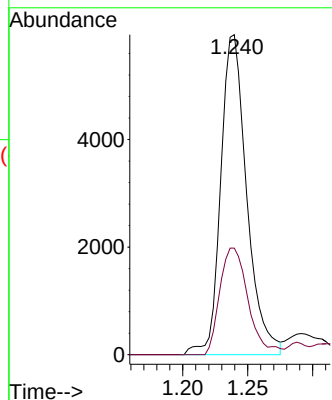
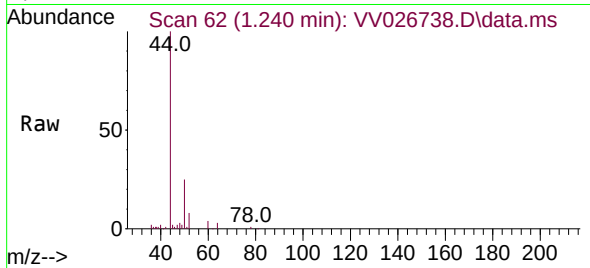




#3
Chloromethane
Concen: 0.360 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

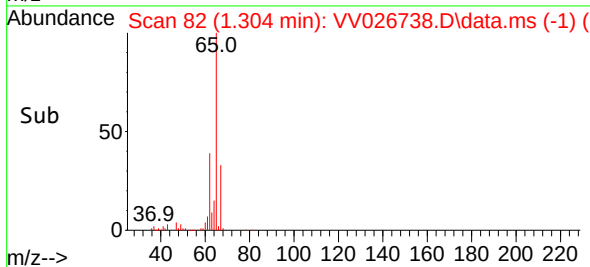
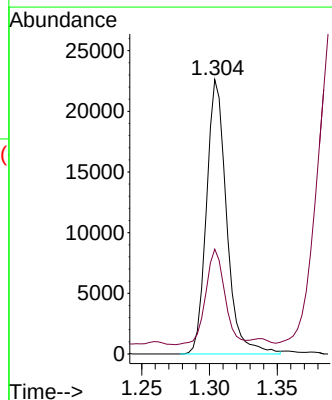
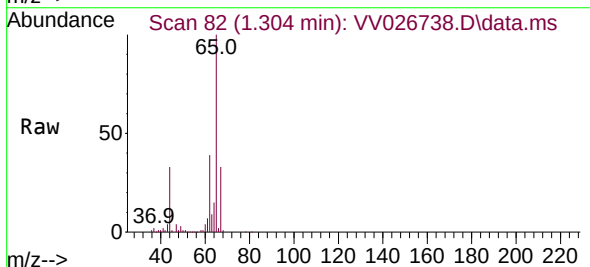
Instrument :
MSVOA_V
ClientSampleId :
DBUB9

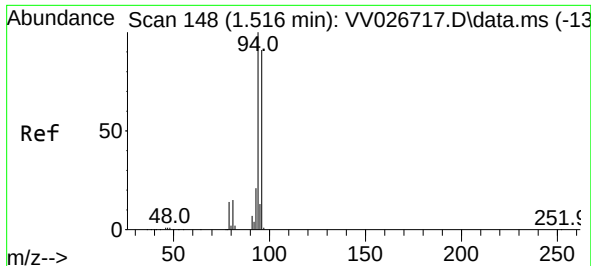
Tgt Ion: 50 Resp: 8282
Ion Ratio Lower Upper
50 100
52 33.3 22.8 42.4



#5
Vinyl chloride
Concen: 0.999 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion: 62 Resp: 23368
Ion Ratio Lower Upper
62 100
64 38.2 22.9 42.5

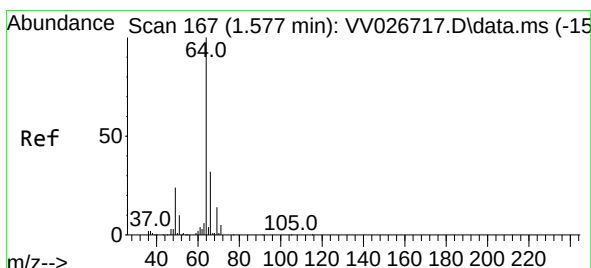
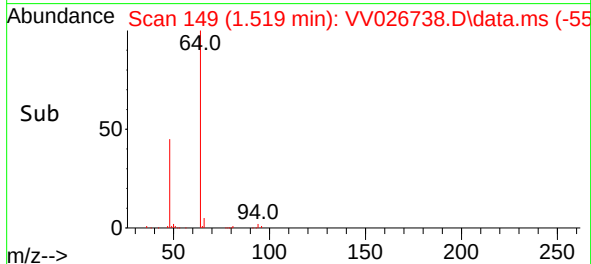
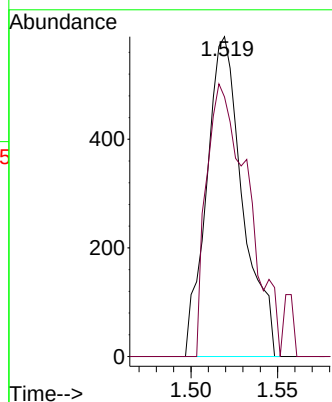
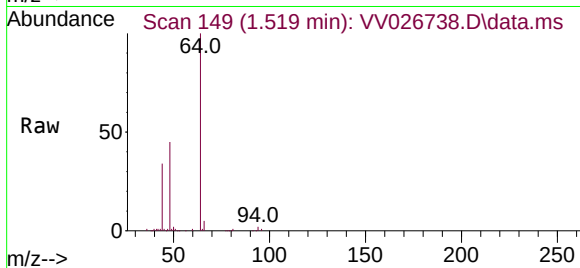




#6
Bromomethane
Concen: 0.061 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

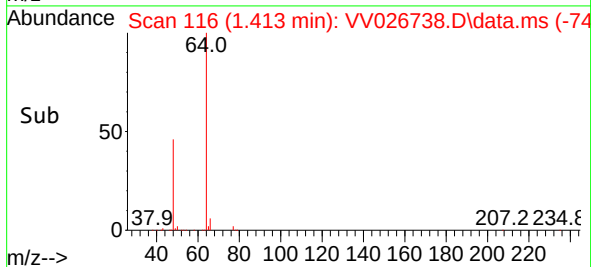
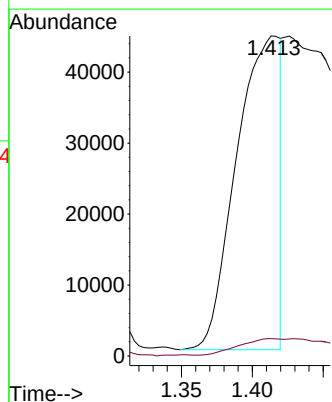
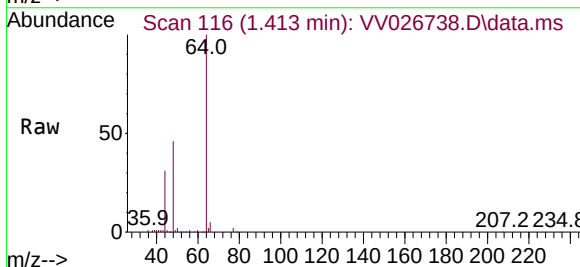
Instrument :
MSVOA_V
ClientSampleId :
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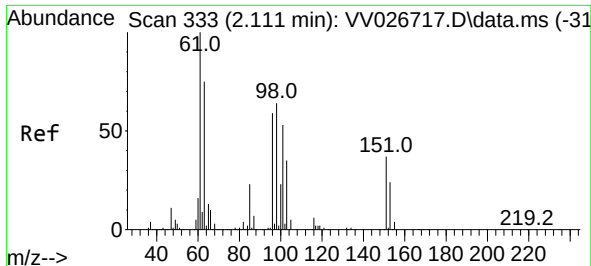
Tgt Ion: 94 Resp: 858
Ion Ratio Lower Upper
94 100
96 81.2 67.1 124.7



#8
Chloroethane
Concen: 6.852 ug/L
RT: 1.413 min Scan# 116
Delta R.T. -0.164 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion: 64 Resp: 94479
Ion Ratio Lower Upper
64 100
66 5.4 23.9 44.5#





#12

1,1-Dichloroethene

Concen: 0.508 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

DBUB9

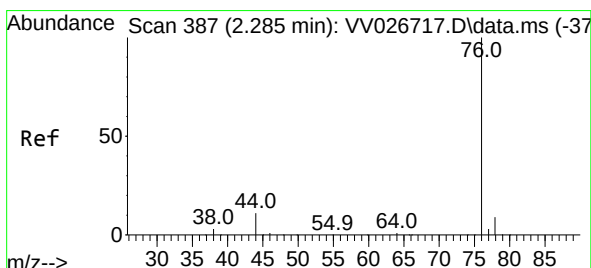
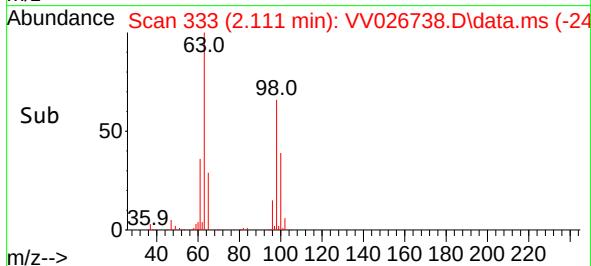
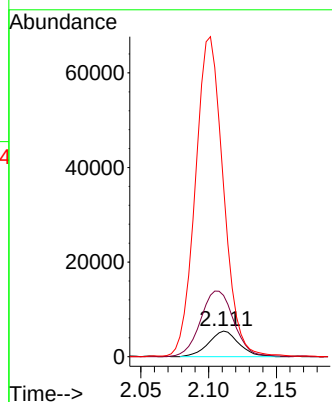
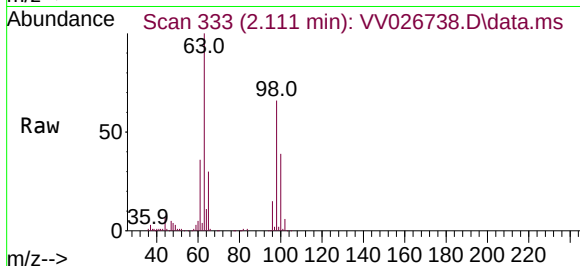
Tgt Ion: 96 Resp: 8398

Ion Ratio Lower Upper

96 100

61 239.6 118.3 219.7#

63 667.3 79.9 148.3#



#14

Carbon disulfide

Concen: 0.098 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV026738.D

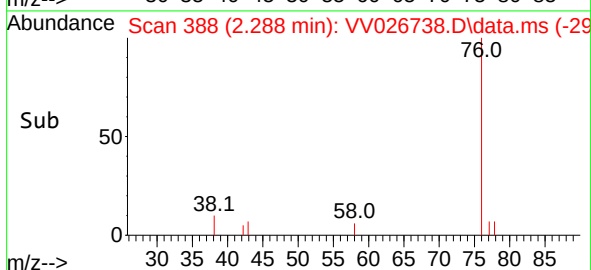
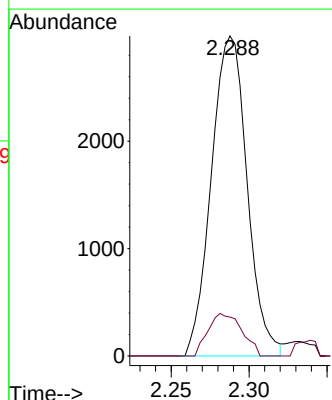
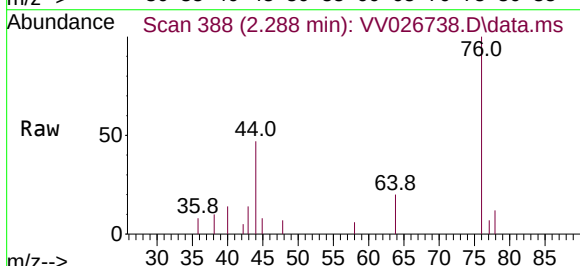
Acq: 12 Jul 2022 20:14

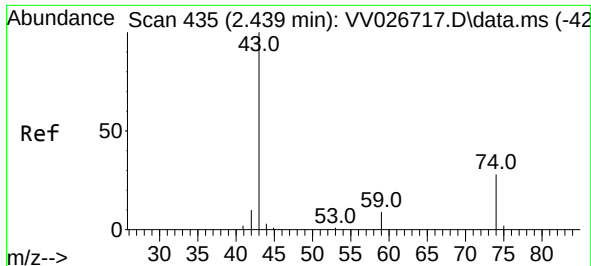
Tgt Ion: 76 Resp: 4763

Ion Ratio Lower Upper

76 100

78 12.2 7.7 11.5#

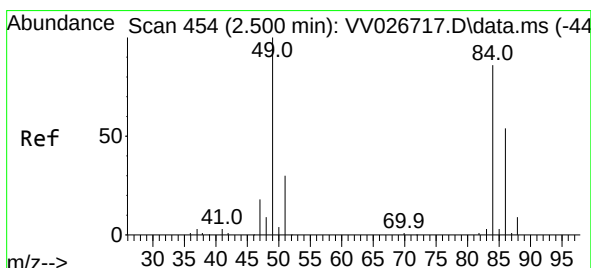
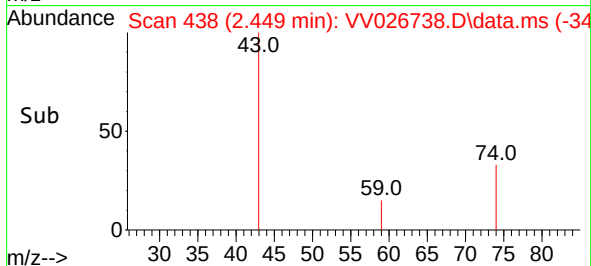
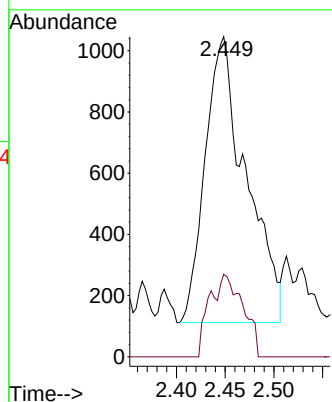
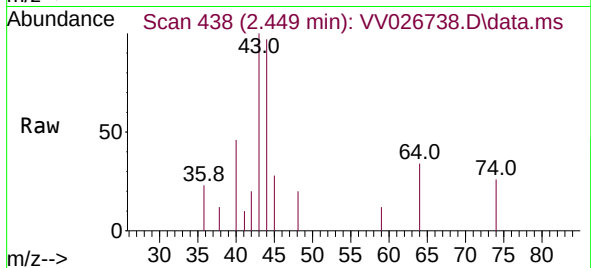




#15
Methyl Acetate
Concen: 0.598 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.009 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

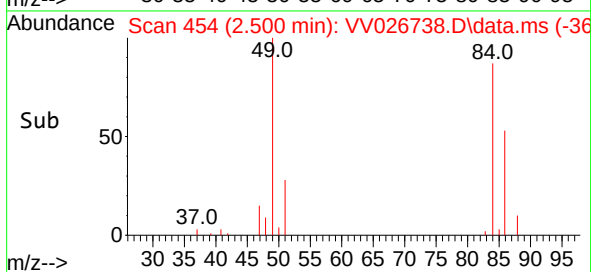
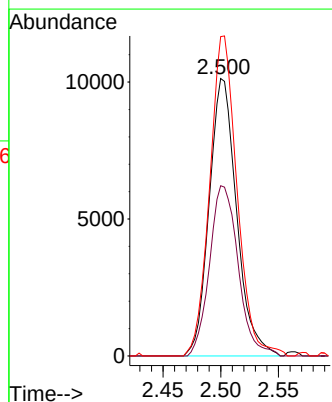
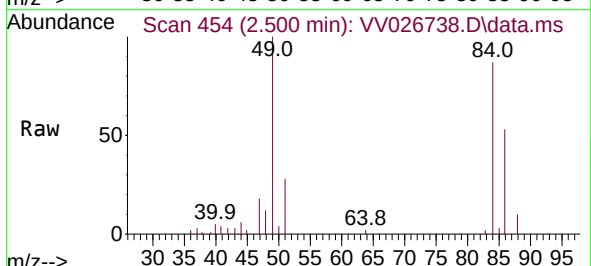
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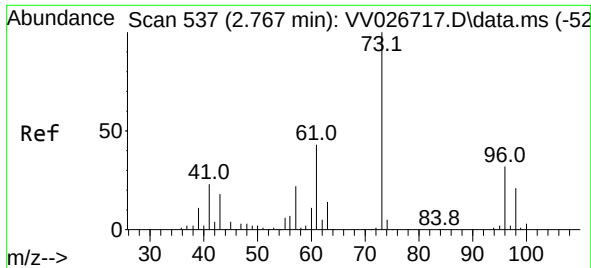
Tgt Ion: 43 Resp: 2730
Ion Ratio Lower Upper
43 100
74 16.1 20.1 30.1#



#16
Methylene chloride
Concen: 0.850 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion: 84 Resp: 16730
Ion Ratio Lower Upper
84 100
86 61.4 44.8 83.2
49 115.1 78.7 146.1

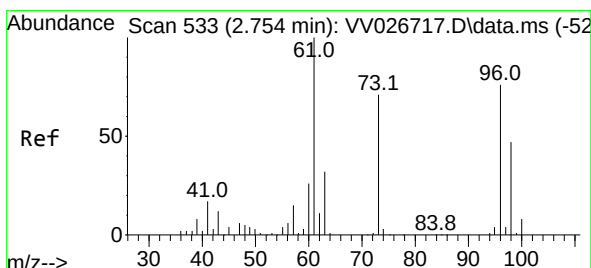
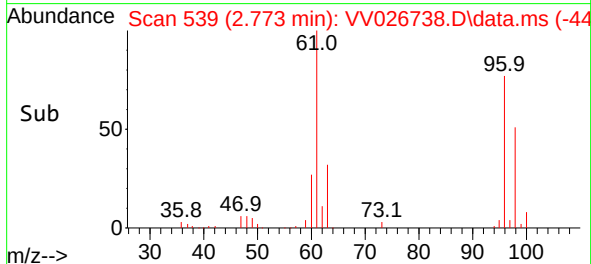
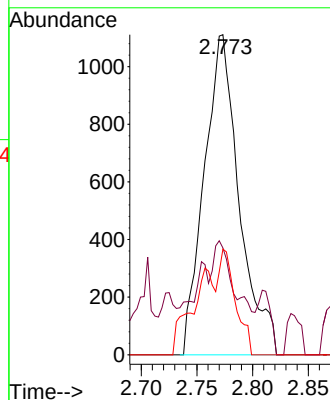
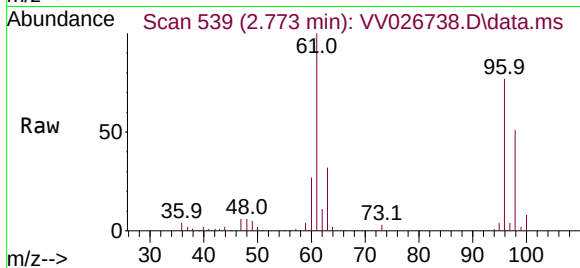




#17
Methyl tert-butyl Ether
Concen: 0.085 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

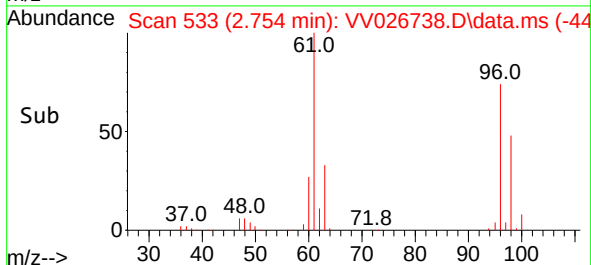
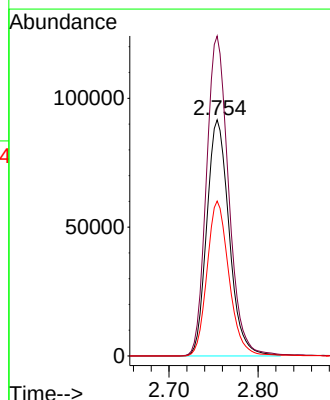
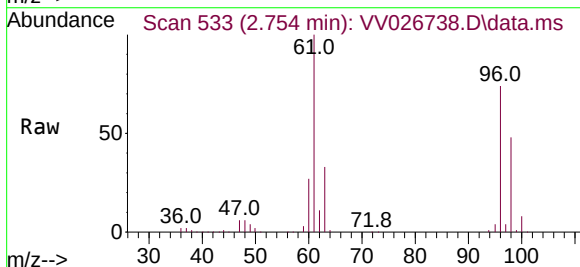
Instrument :
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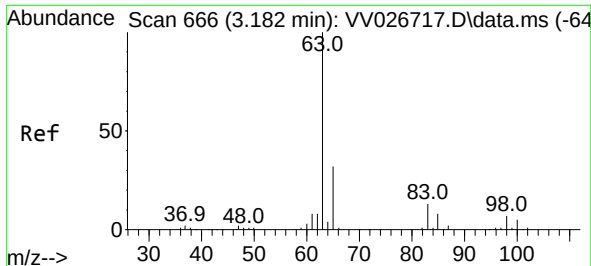
Tgt Ion: 73 Resp: 2432
Ion Ratio Lower Upper
73 100
43 26.3 14.0 21.0#
57 15.7 17.6 26.4#



#18
trans-1,2-Dichloroethene
Concen: 10.531 ug/L
RT: 2.754 min Scan# 533
Delta R.T. -0.000 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion: 96 Resp: 159890
Ion Ratio Lower Upper
96 100
61 135.5 94.7 175.9
98 65.6 47.4 88.0





#19

1,1-Dichloroethane

Concen: 0.050 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

DBUB9

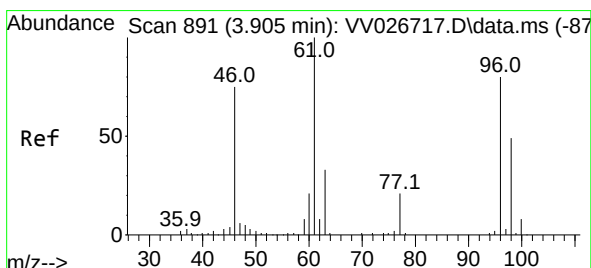
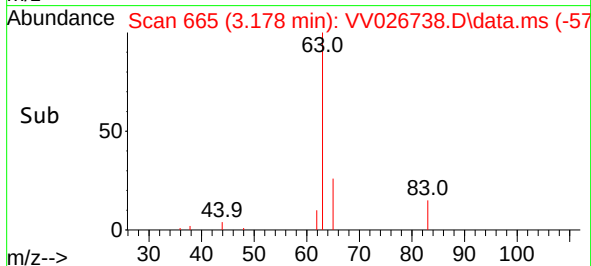
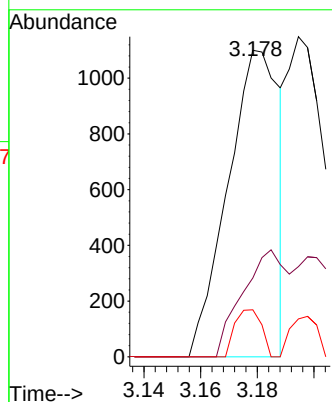
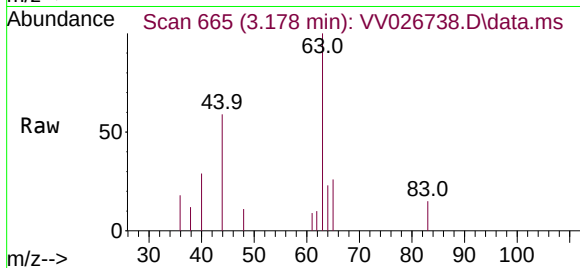
Tgt Ion: 63 Resp: 1382

Ion Ratio Lower Upper

63 100

65 25.7 22.3 41.3

83 15.4 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 76.783 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

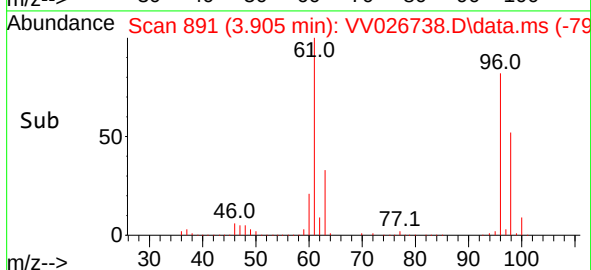
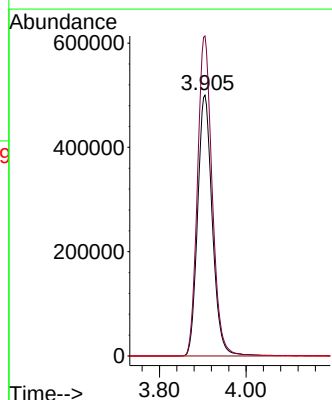
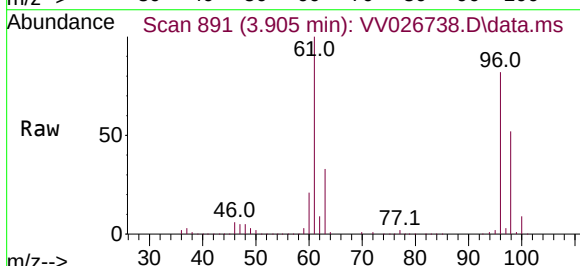
Tgt Ion: 96 Resp: 1175766

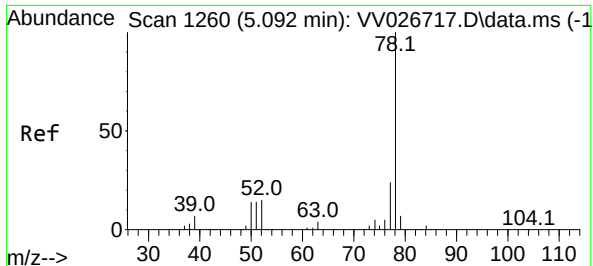
Ion Ratio Lower Upper

96 100

61 122.7 83.9 155.9

68 0.0 0.0 0.0

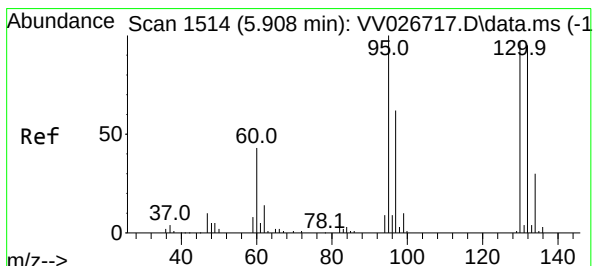
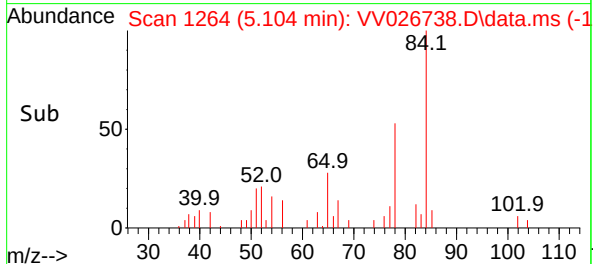
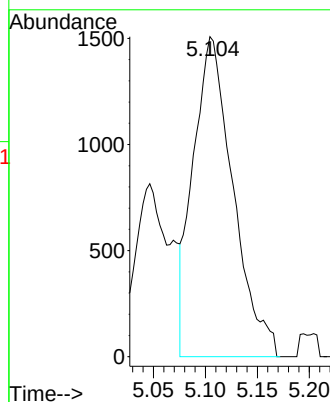
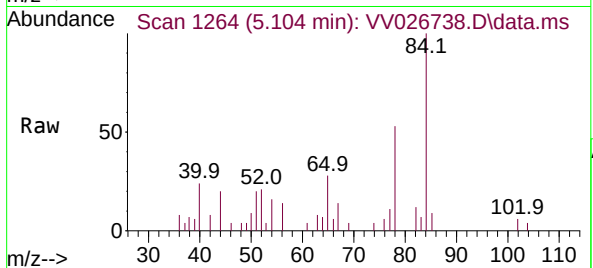




#33
Benzene
Concen: 0.066 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Instrument :
MSVOA_V
ClientSampleId :
DBUB9

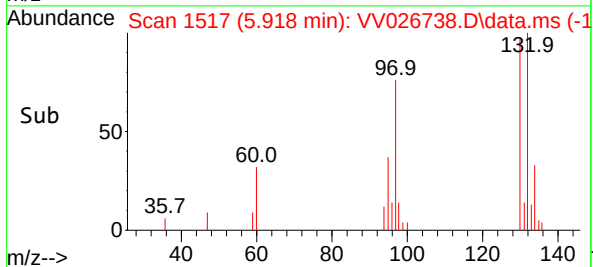
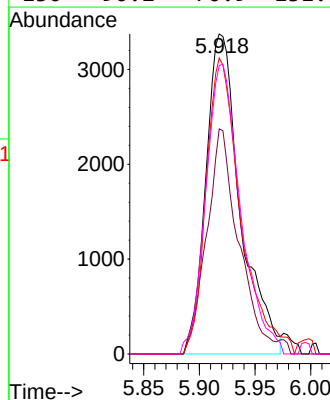
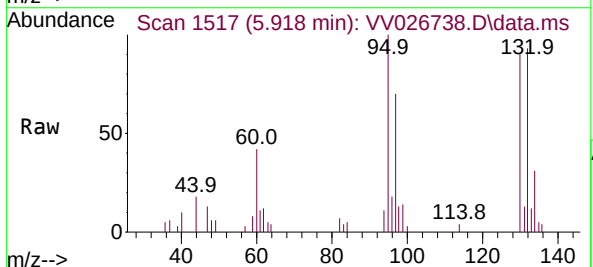
Tgt Ion: 78 Resp: 4013

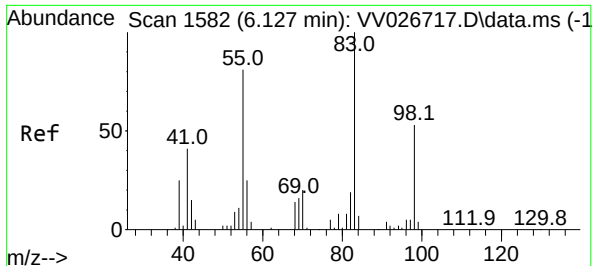


#34
Trichloroethene
Concen: 0.482 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.009 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion: 95 Resp: 7252

Ion	Ratio	Lower	Upper
95	100		
97	70.3	44.6	82.8
132	92.5	70.2	130.4
130	90.2	70.9	131.7





#35

Methylcyclohexane

Concen: 0.839 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

DBUB9

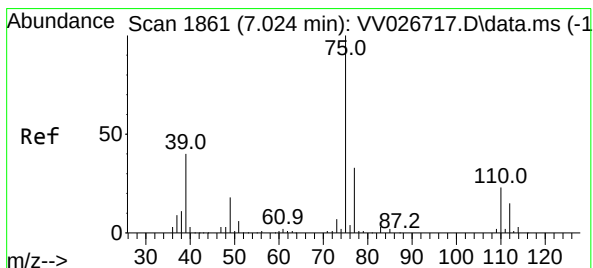
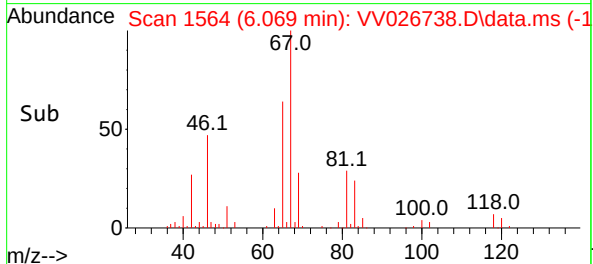
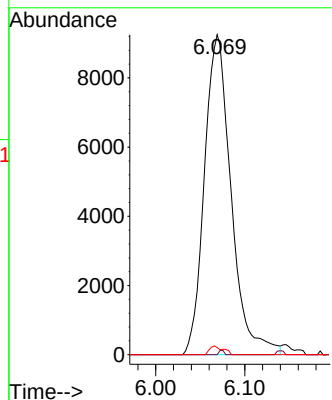
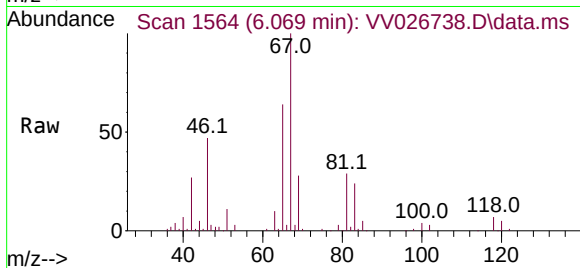
Tgt Ion: 83 Resp: 19276

Ion Ratio Lower Upper

83 100

55 0.2 59.5 89.3#

98 1.4 38.3 57.5#



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.036 min

Lab File: VV026738.D

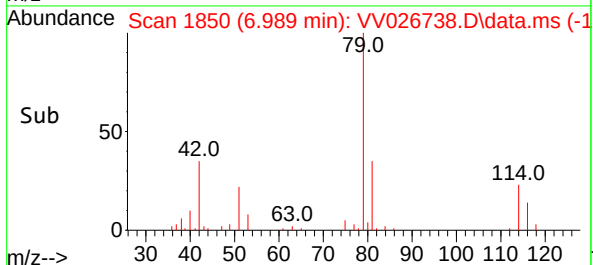
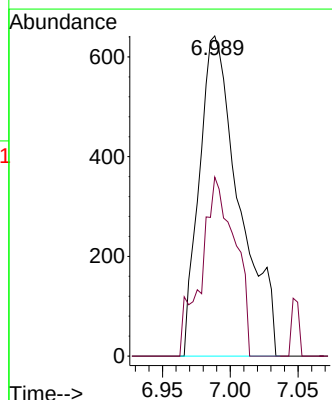
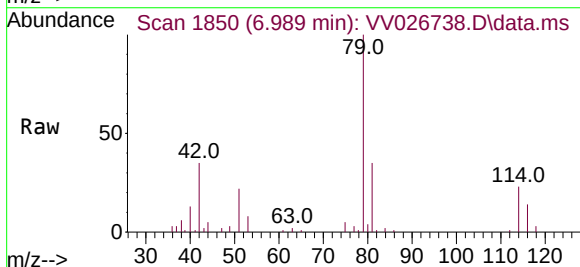
Acq: 12 Jul 2022 20:14

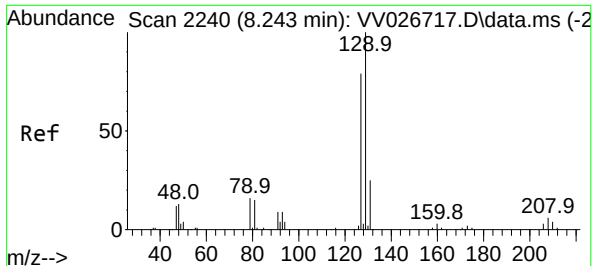
Tgt Ion: 75 Resp: 1317

Ion Ratio Lower Upper

75 100

77 55.9 21.4 39.8#





#49

Dibromochloromethane

Concen: 0.031 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

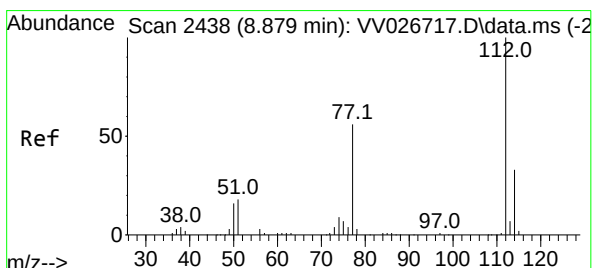
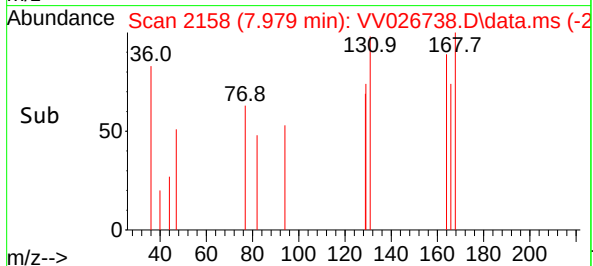
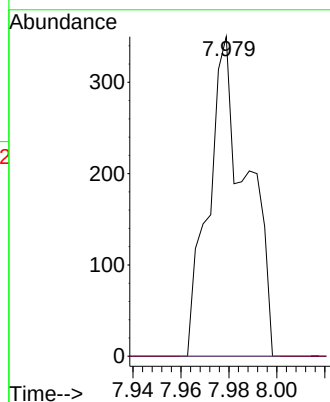
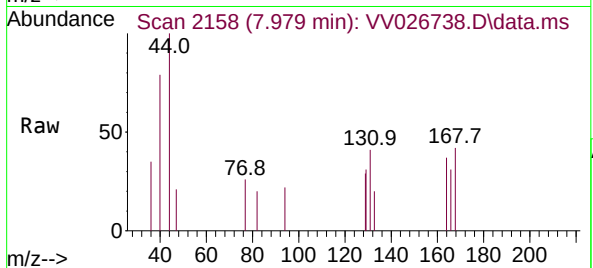
DBUB9

Tgt Ion:129 Resp: 387

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#51

Chlorobenzene

Concen: 0.070 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.006 min

Lab File: VV026738.D

Acq: 12 Jul 2022 20:14

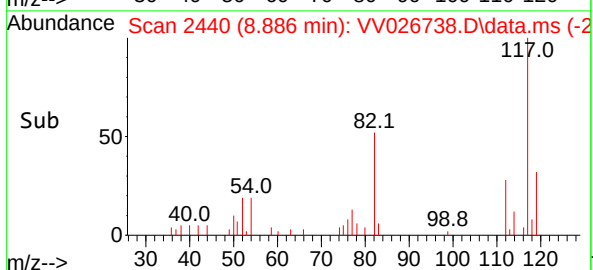
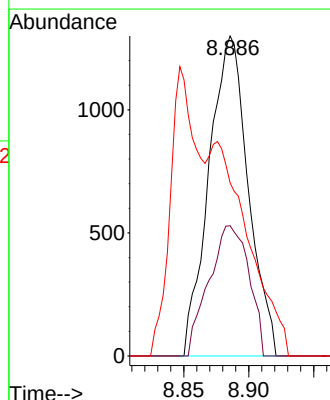
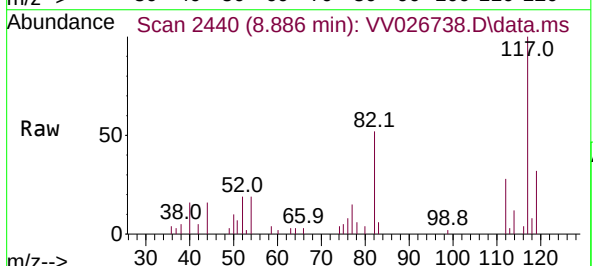
Tgt Ion:112 Resp: 2733

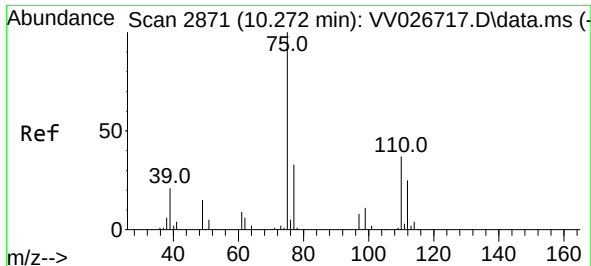
Ion Ratio Lower Upper

112 100

114 40.7 22.7 42.1

77 54.1 46.6 70.0

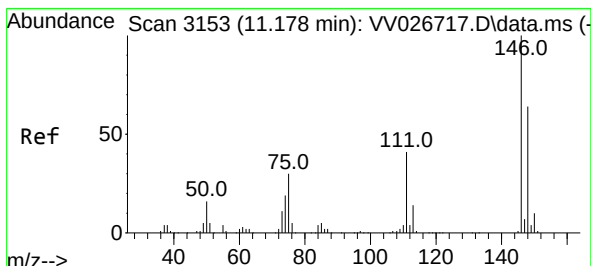
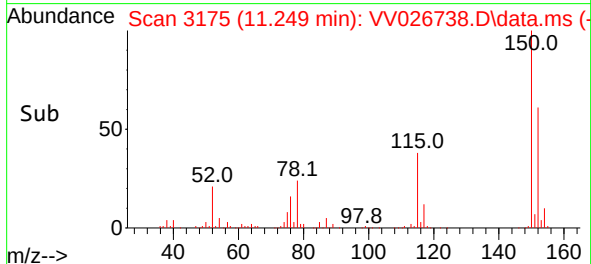
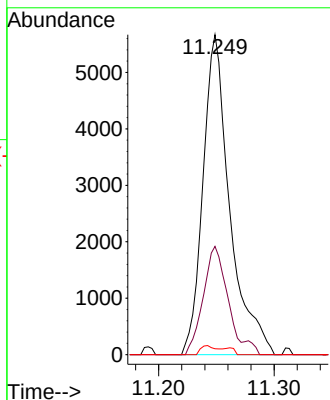
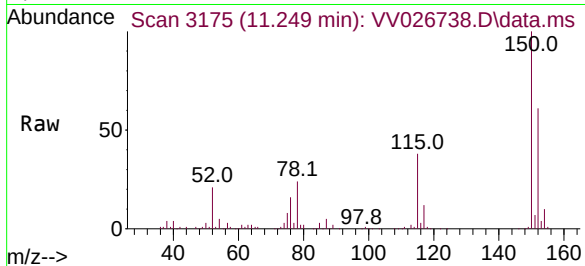




#61
1,2,3-Trichloropropane
Concen: 1.423 ug/L
RT: 11.249 min Scan# 31175
Delta R.T. 0.977 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Instrument :
MSVOA_V
ClientSampleId :
DBUB9

Tgt Ion: 75 Resp: 9124
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
110 1.6 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 0.144 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.096 min
Lab File: VV026738.D
Acq: 12 Jul 2022 20:14

Tgt Ion:146 Resp: 3064
Ion Ratio Lower Upper
146 100
111 33.8 27.9 51.7
148 61.1 44.9 83.5

