

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026730.D
 Acq On : 12 Jul 2022 17:01
 Operator : SY/MD
 Sample : N3601-20DL 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB3DL

Quant Time: Jul 13 03:03:15 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	118443	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	119599	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	48219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	96606	8.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 178.800%#	
7) Chloroethane-d5	1.561	69	85548	9.163	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 183.200%#	
11) 1,1-Dichloroethene-d2	2.098	63	137686	6.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 132.800%#	
20) 2-Butanone-d5	3.896	46	129368	76.711	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 153.420%#	
24) Chloroform-d	4.342	84	173819	9.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 184.000%#	
26) 1,2-Dichloroethane-d4	5.031	65	79106	9.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 191.600%#	
32) Benzene-d6	5.043	84	325588	8.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 179.200%#	
36) 1,2-Dichloropropane-d6	6.066	67	105877	9.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 194.400%#	
41) Toluene-d8	7.313	98	250754	7.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 155.400%#	
43) trans-1,3-Dichloroprop...	7.625	79	22523	6.318	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 126.400%	
46) 2-Hexanone-d5	8.088	63	137079	88.811	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 177.620%#	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	76490	9.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 180.200%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	80917	9.631	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 192.600%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	1794	0.124	ug/L	95
5) Vinyl chloride	1.304	62	2041	0.139	ug/L #	4
6) Bromomethane	1.516	94	711	0.081	ug/L	81
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1455	0.136	ug/L #	29
12) 1,1-Dichloroethene	2.105	96	1849	0.178	ug/L #	1
14) Carbon disulfide	2.285	76	3171	0.104	ug/L	98
16) Methylene chloride	2.500	84	16603	1.342	ug/L	95
18) trans-1,2-Dichloroethene	2.751	96	2311	0.242	ug/L	82
22) cis-1,2-Dichloroethene	3.908	96	48340	5.021	ug/L	99
25) Chloroform	4.375	83	1346	0.074	ug/L	94
34) Trichloroethene	5.912	95	79445	8.084	ug/L	95
35) Methylcyclohexane	6.066	83	24746	1.650	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	11197	1.171	ug/L #	84
44) trans-1,3-Dichloropropene	7.625	75	1280	0.131	ug/L #	80
45) 1,1,2-Trichloroethane	7.966	97	475	0.068	ug/L #	1
47) Tetrachloroethene	7.973	164	86160	11.179	ug/L	99
48) 2-Hexanone	8.088	43	17045	5.332	ug/L #	62
49) Dibromochloromethane	7.973	129	83081	10.314	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5849	1.315	ug/L #	60

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

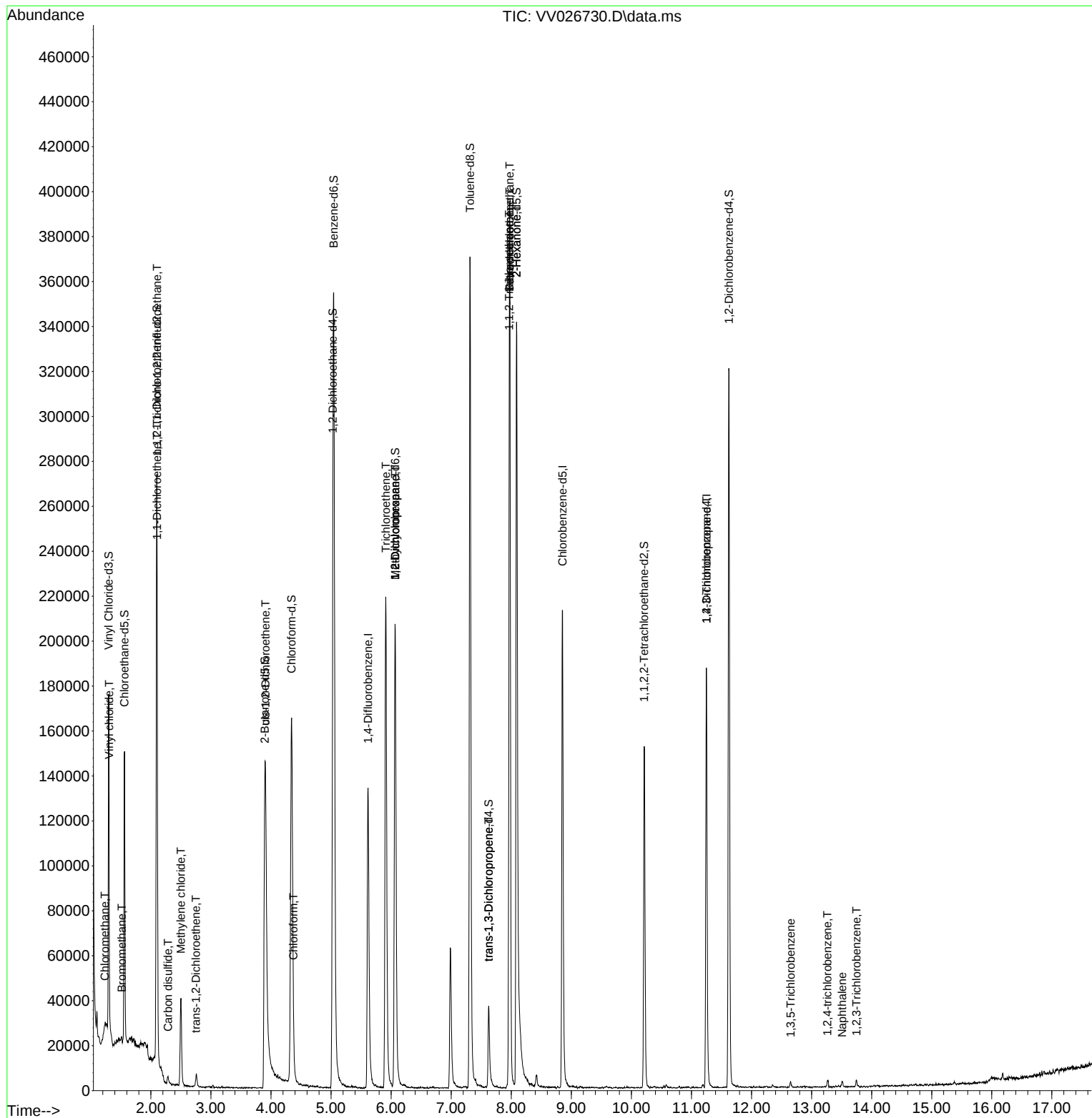
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	12.651	180	899	0.086	ug/L #	87
70) 1,2,4-trichlorobenzene	13.265	180	1256	0.159	ug/L #	89
71) Naphthalene	13.509	128	2598	0.198	ug/L #	73
72) 1,2,3-Trichlorobenzene	13.747	180	1000	0.136	ug/L #	79

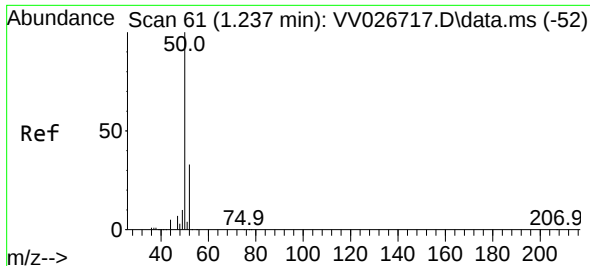
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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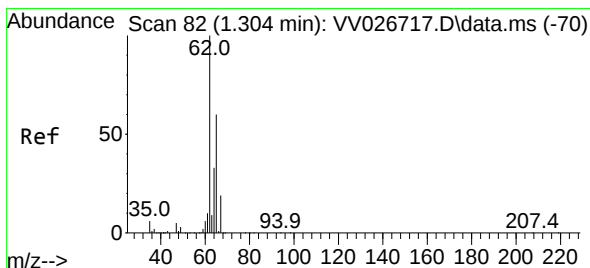
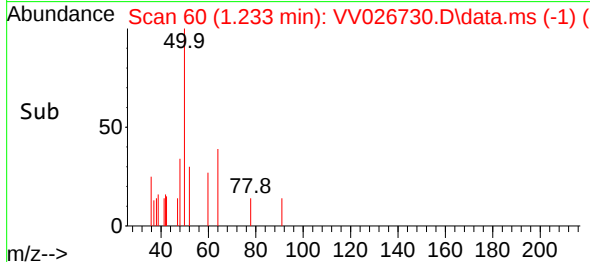
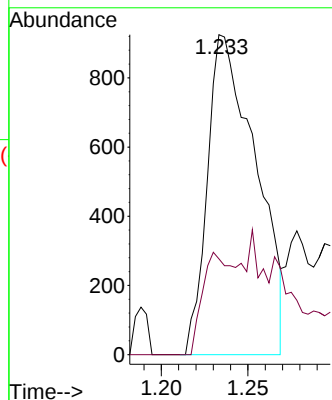
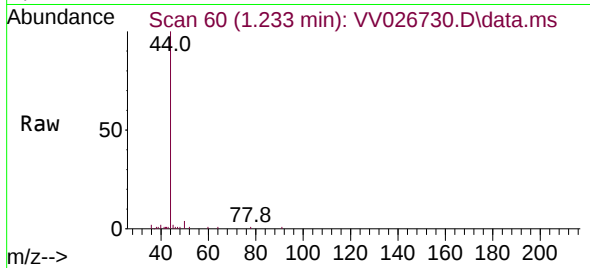




#3
Chloromethane
Concen: 0.124 ug/L
RT: 1.233 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

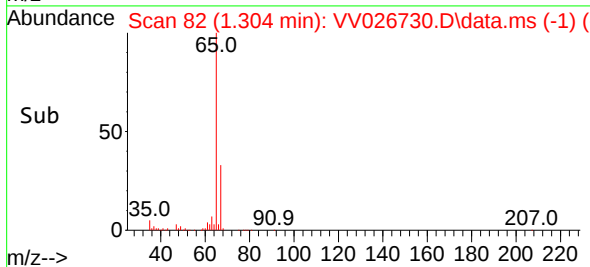
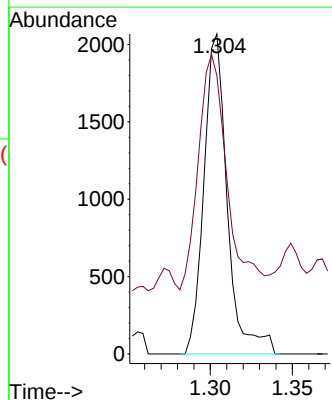
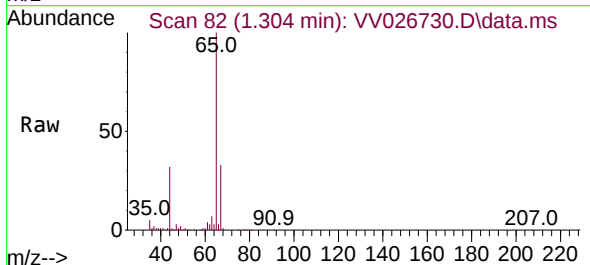
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

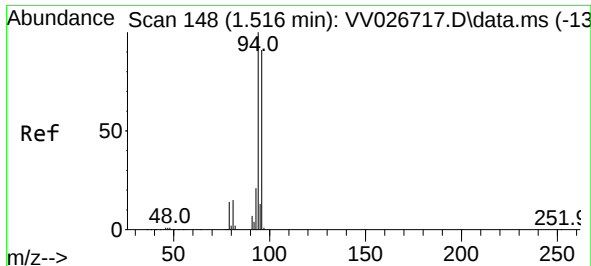
Tgt Ion: 50 Resp: 1794
Ion Ratio Lower Upper
50 100
52 29.9 22.8 42.4



#5
Vinyl chloride
Concen: 0.139 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion: 62 Resp: 2041
Ion Ratio Lower Upper
62 100
64 87.0 22.9 42.5#

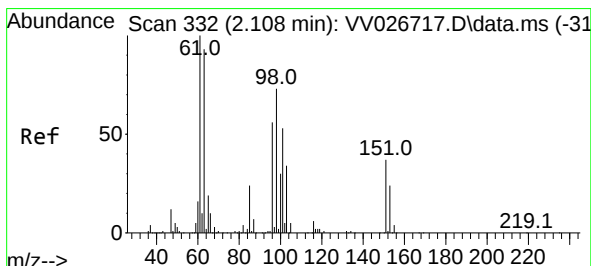
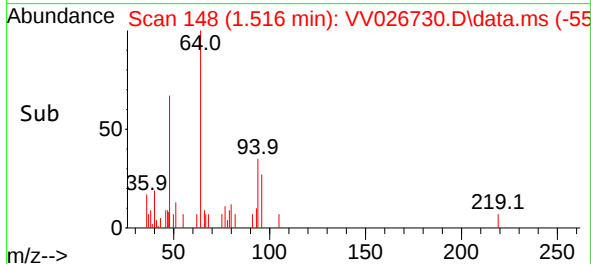
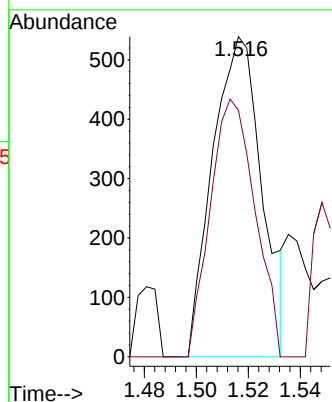
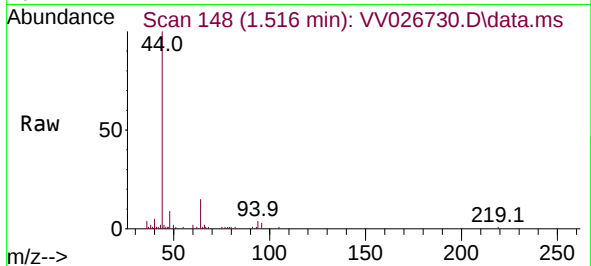




#6
Bromomethane
Concen: 0.081 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.000 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

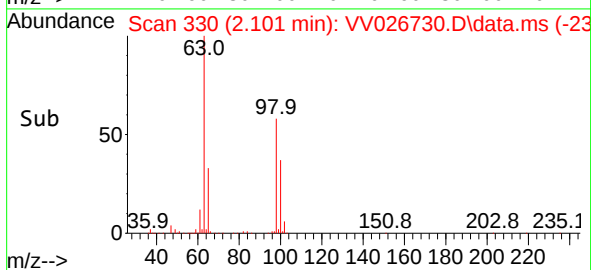
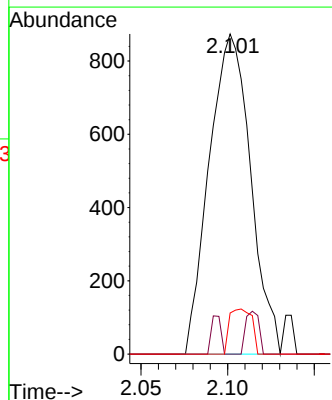
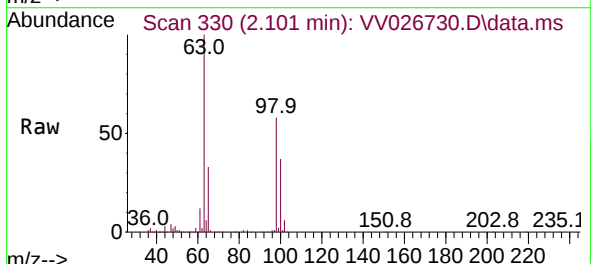
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

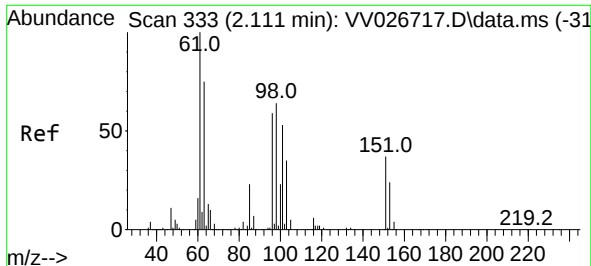
Tgt Ion: 94 Resp: 711
Ion Ratio Lower Upper
94 100
96 77.0 67.1 124.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.136 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.007 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion: 101 Resp: 1455
Ion Ratio Lower Upper
101 100
85 4.3 35.0 52.4#
151 7.6 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.178 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV026730.D

Acq: 12 Jul 2022 17:01

Instrument :

MSVOA_V

ClientSampleId :

DBUB3DL

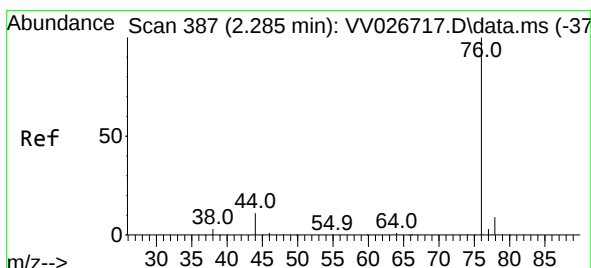
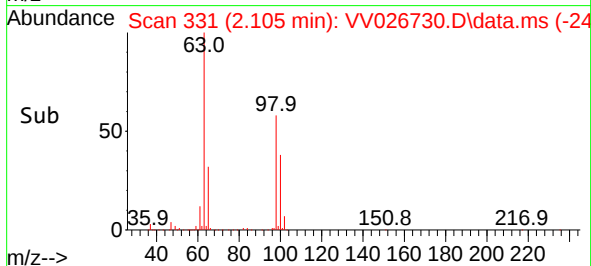
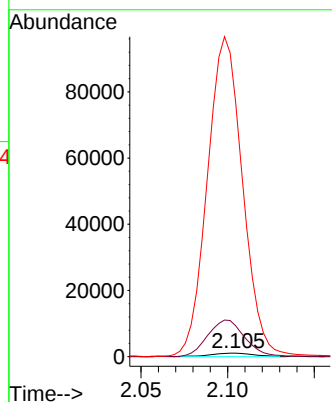
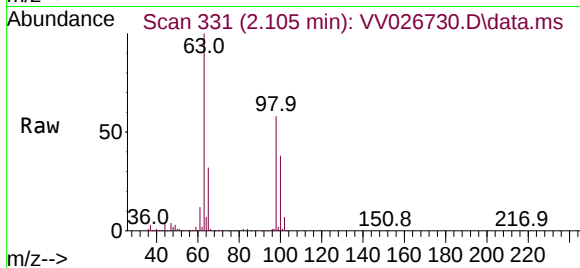
Tgt Ion: 96 Resp: 1849

Ion Ratio Lower Upper

96 100

61 883.9 118.3 219.7#

63 7284.6 79.9 148.3#



#14

Carbon disulfide

Concen: 0.104 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV026730.D

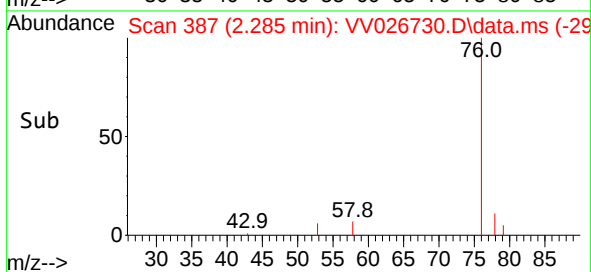
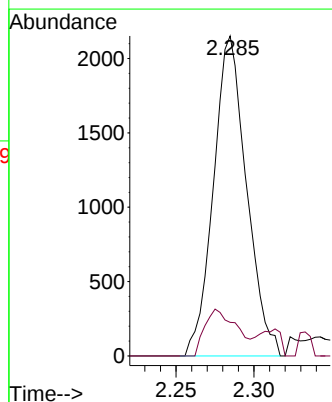
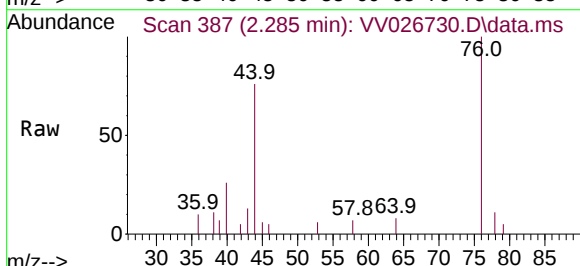
Acq: 12 Jul 2022 17:01

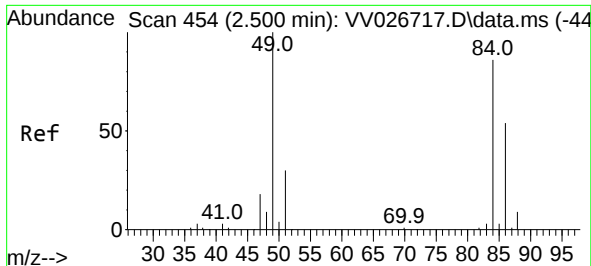
Tgt Ion: 76 Resp: 3171

Ion Ratio Lower Upper

76 100

78 10.5 7.7 11.5

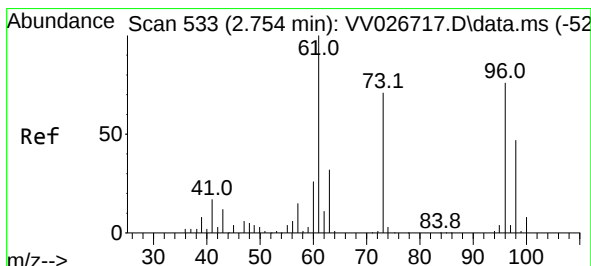
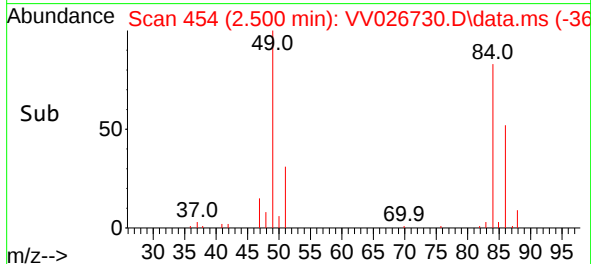
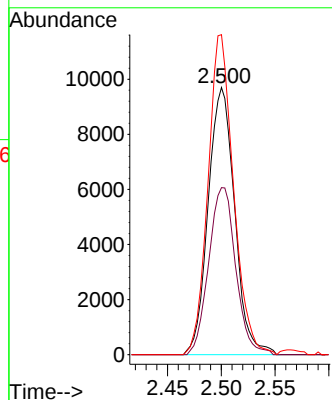
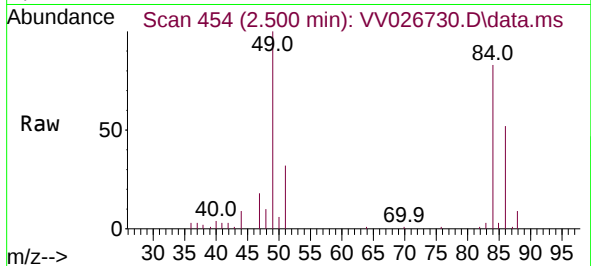




#16
Methylene chloride
Concen: 1.342 ug/L
RT: 2.500 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

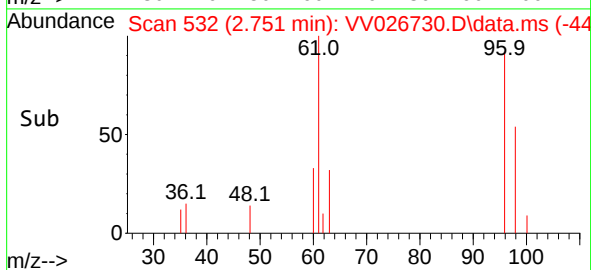
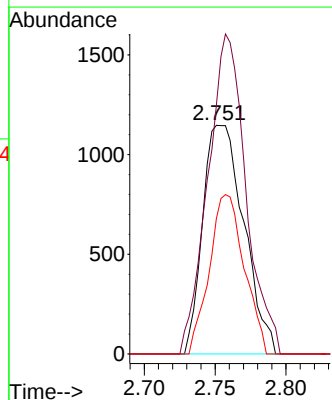
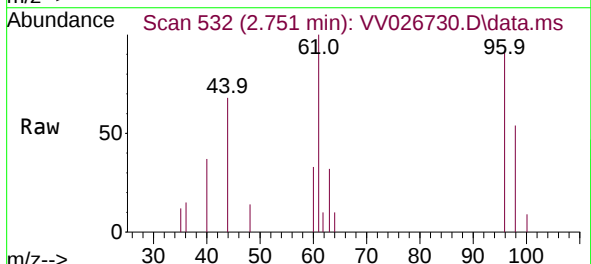
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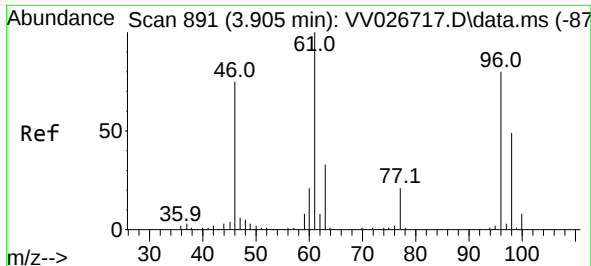
Tgt Ion: 84 Resp: 16603
Ion Ratio Lower Upper
84 100
86 62.5 44.8 83.2
49 119.8 78.7 146.1



#18
trans-1,2-Dichloroethene
Concen: 0.242 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion: 96 Resp: 2311
Ion Ratio Lower Upper
96 100
61 108.6 94.7 175.9
98 59.2 47.4 88.0





#22

cis-1,2-Dichloroethene

Concen: 5.021 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV026730.D

Acq: 12 Jul 2022 17:01

Instrument :

MSVOA_V

ClientSampleId :

DBUB3DL

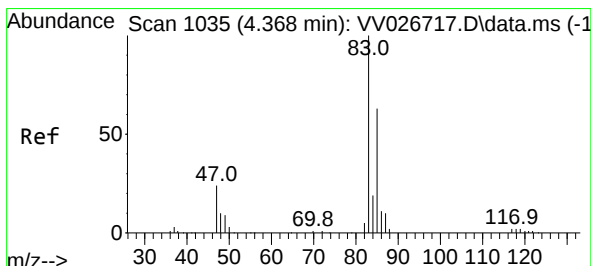
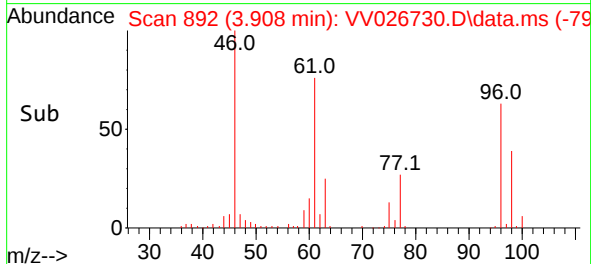
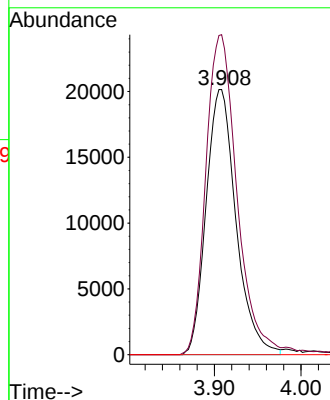
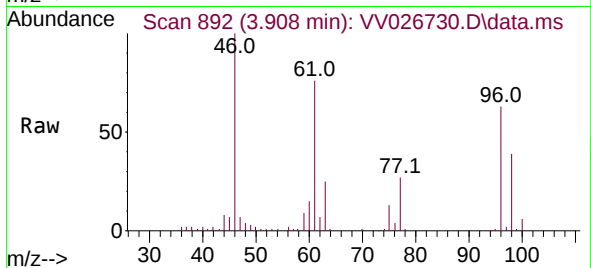
Tgt Ion: 96 Resp: 48340

Ion Ratio Lower Upper

96 100

61 120.7 83.9 155.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.074 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VV026730.D

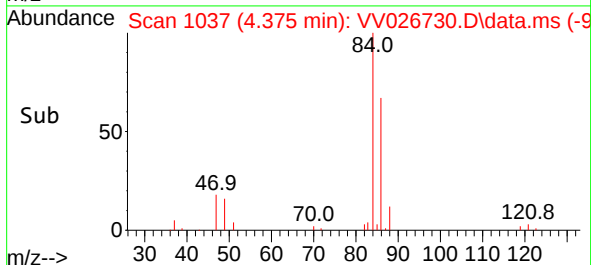
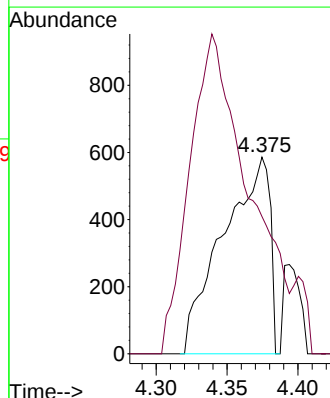
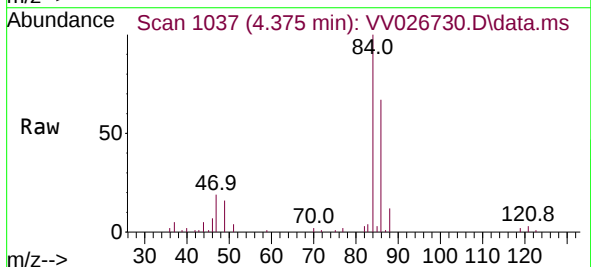
Acq: 12 Jul 2022 17:01

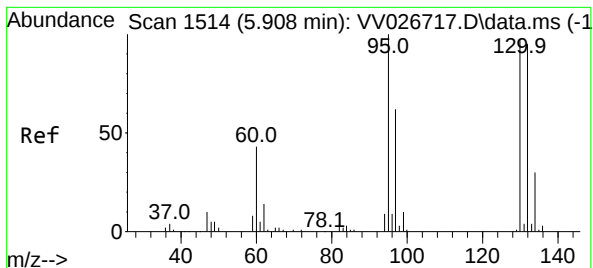
Tgt Ion: 83 Resp: 1346

Ion Ratio Lower Upper

83 100

85 69.8 45.7 84.9





#34

Trichloroethene

Concen: 8.084 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV026730.D

Acq: 12 Jul 2022 17:01

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 79445

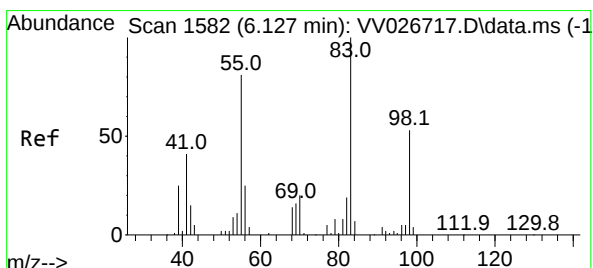
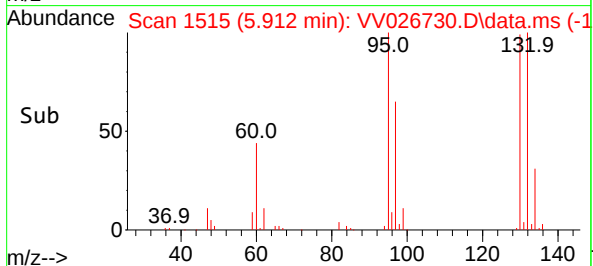
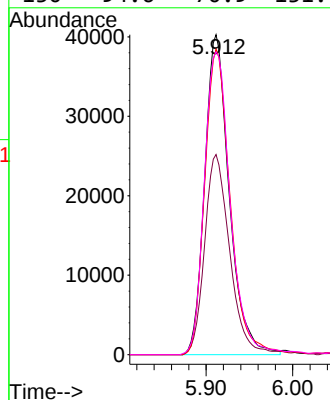
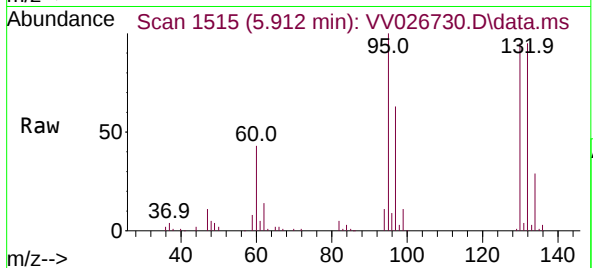
Ion Ratio Lower Upper

95 100

97 62.6 44.6 82.8

132 95.4 70.2 130.4

130 94.6 70.9 131.7



#35

Methylcyclohexane

Concen: 1.650 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV026730.D

Acq: 12 Jul 2022 17:01

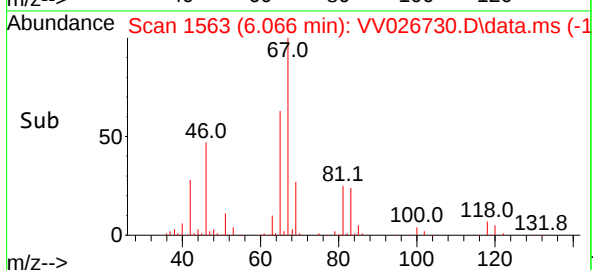
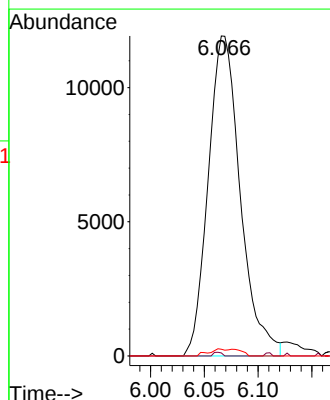
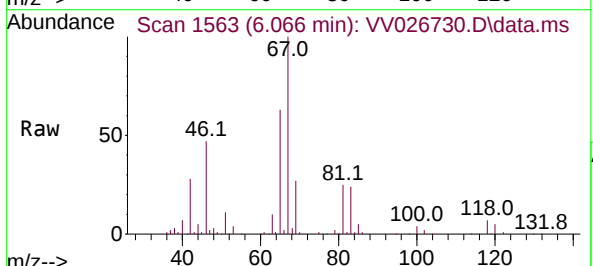
Tgt Ion: 83 Resp: 24746

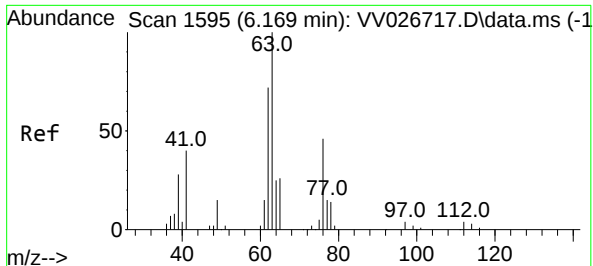
Ion Ratio Lower Upper

83 100

55 0.3 59.5 89.3#

98 1.1 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 1.171 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026730.D

Acq: 12 Jul 2022 17:01

Instrument :

MSVOA_V

ClientSampleId :

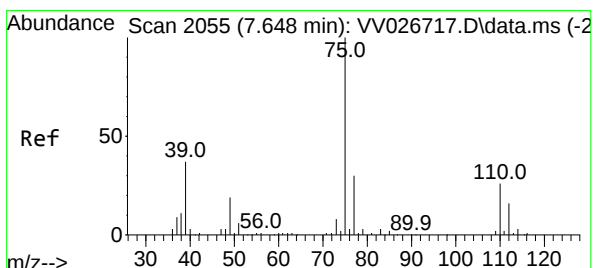
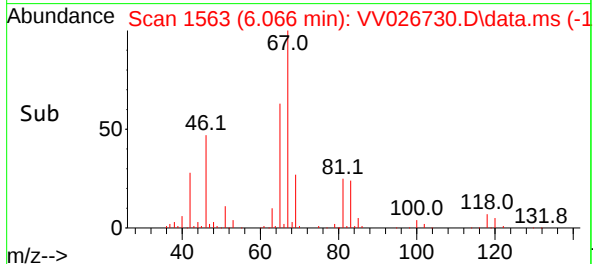
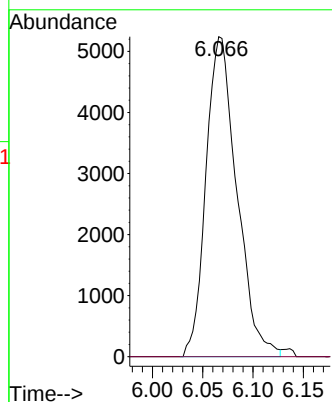
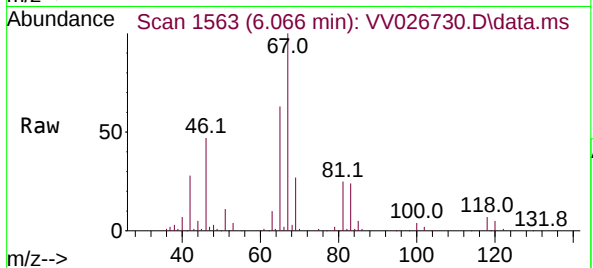
DBUB3DL

Tgt Ion: 63 Resp: 11197

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#



#44

trans-1,3-Dichloropropene

Concen: 0.131 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.023 min

Lab File: VV026730.D

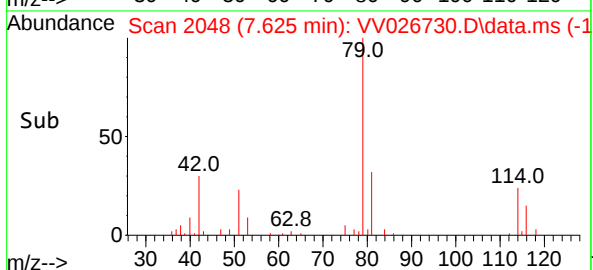
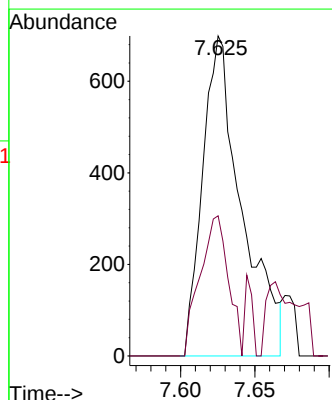
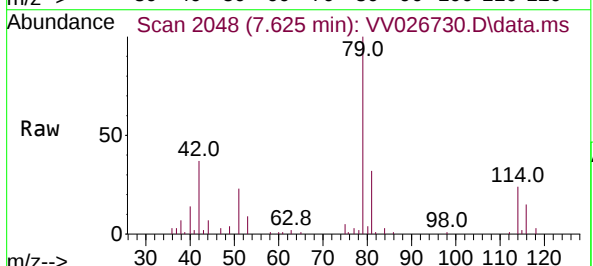
Acq: 12 Jul 2022 17:01

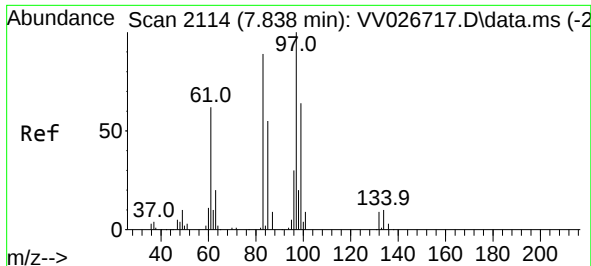
Tgt Ion: 75 Resp: 1280

Ion Ratio Lower Upper

75 100

77 43.8 22.7 42.3#

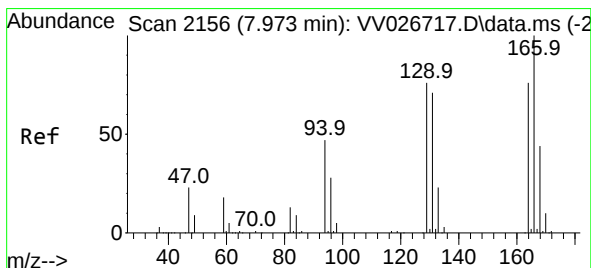
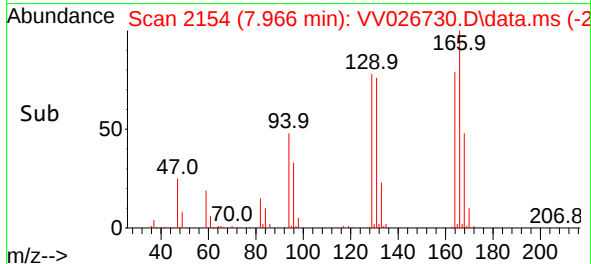
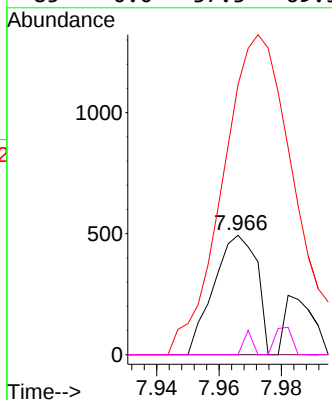
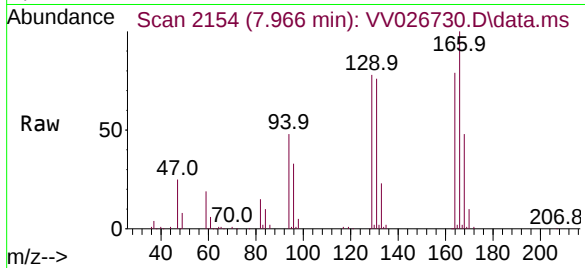




#45
1,1,2-Trichloroethane
Concen: 0.068 ug/L
RT: 7.966 min Scan# 2114
Delta R.T. 0.129 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

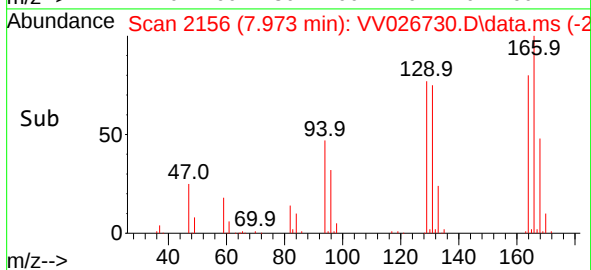
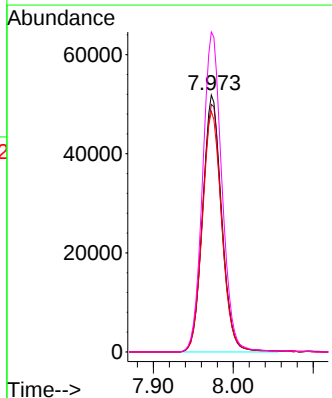
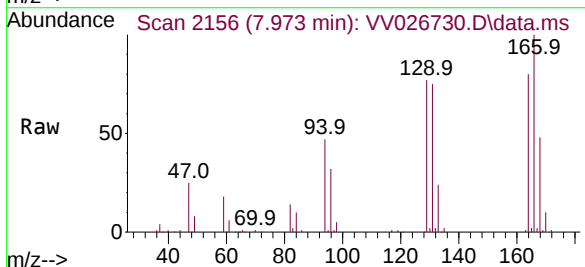
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

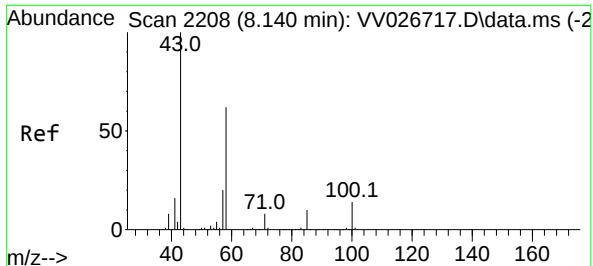
Tgt Ion: 97	Resp:	475
Ion	Ratio	Lower Upper
97	100	
99	0.0	41.9 77.9#
83	226.4	58.1 107.9#
85	0.0	37.3 69.3#



#47
Tetrachloroethene
Concen: 11.179 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion: 164	Resp:	86160
Ion	Ratio	Lower Upper
164	100	
129	96.4	67.8 125.8
131	93.6	65.9 122.5
166	124.6	88.8 164.8

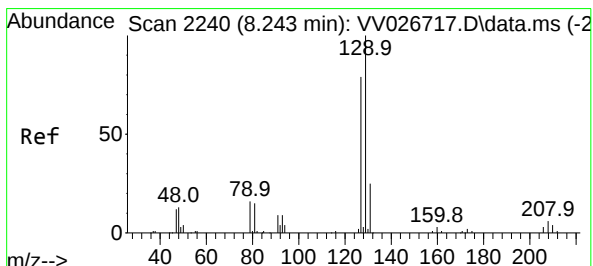
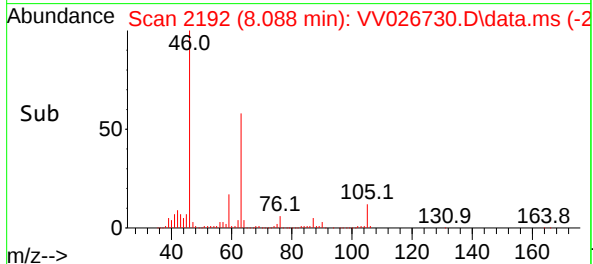
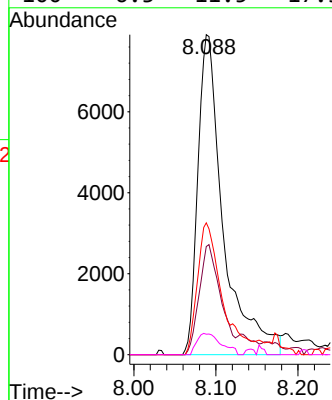
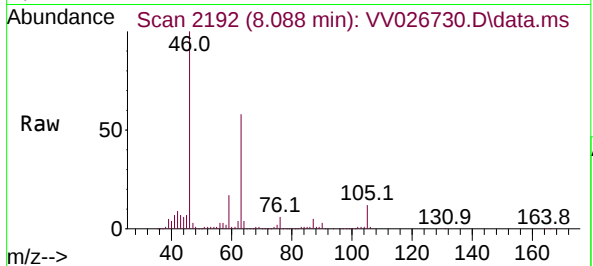




#48
2-Hexanone
Concen: 5.332 ug/L
RT: 8.088 min Scan# 2119
Delta R.T. -0.052 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

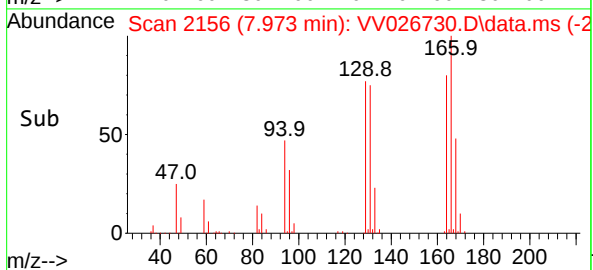
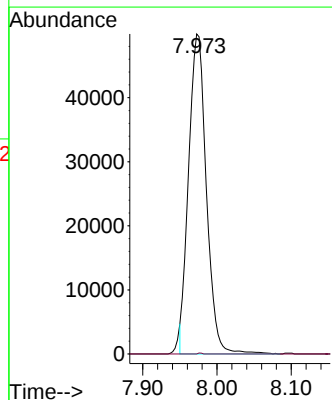
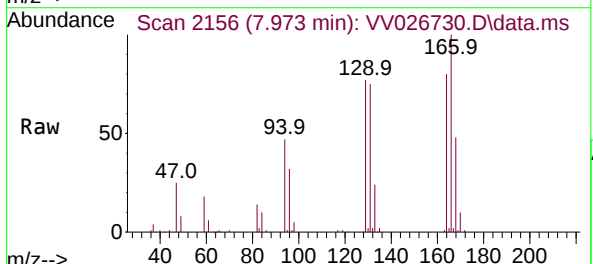
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

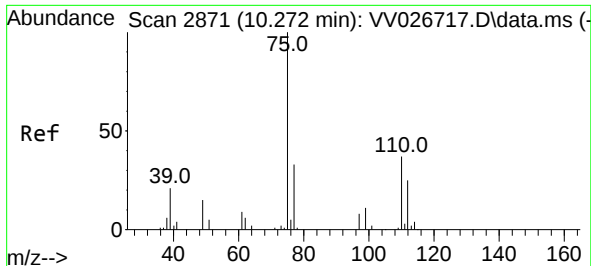
Tgt Ion: 43	Resp: 17045
Ion Ratio	Lower Upper
43 100	
58 28.9	47.9 71.9#
57 39.3	16.3 24.5#
100 6.3	11.5 17.3#



#49
Dibromochloromethane
Concen: 10.314 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion:129	Resp:	83081	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

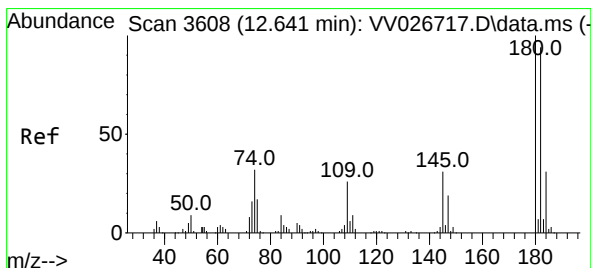
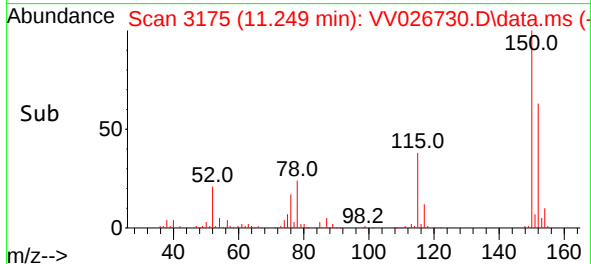
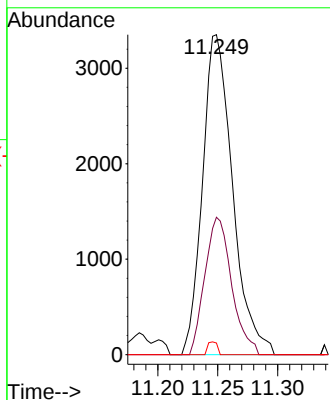
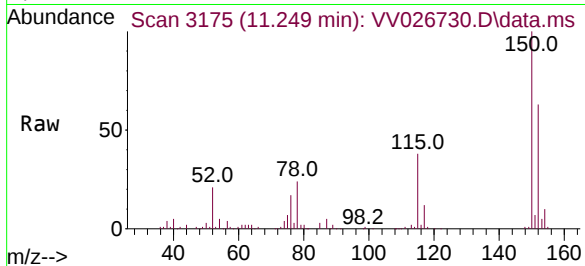




#61
1,2,3-Trichloropropane
Concen: 1.315 ug/L
RT: 11.249 min Scan# 3115
Delta R.T. 0.977 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

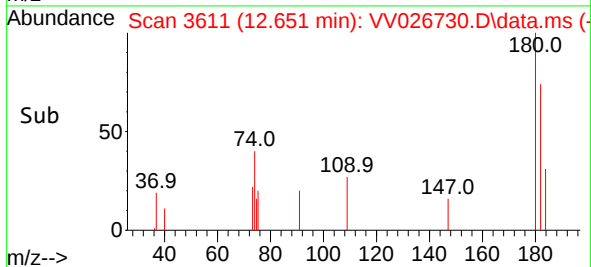
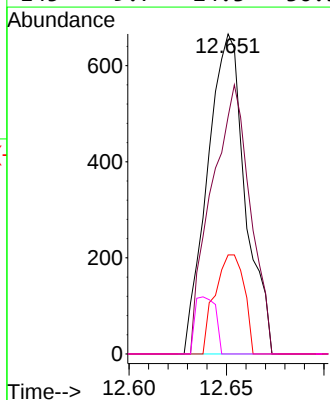
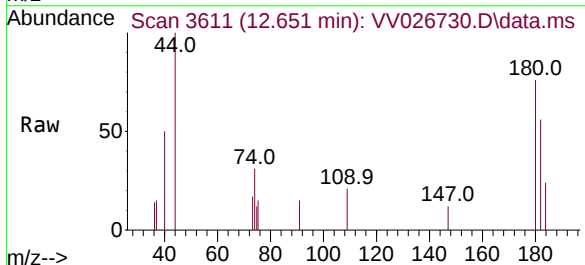
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

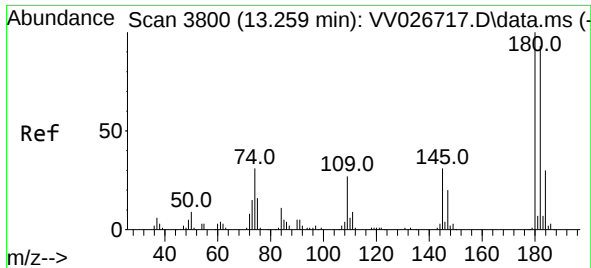
Tgt Ion: 75 Resp: 5849
Ion Ratio Lower Upper
75 100
77 38.2 25.4 38.0#
110 1.2 31.8 47.6#



#69
1,3,5-Trichlorobenzene
Concen: 0.086 ug/L
RT: 12.651 min Scan# 3611
Delta R.T. 0.010 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

Tgt Ion: 180 Resp: 899
Ion Ratio Lower Upper
180 100
182 86.5 74.0 111.0
184 23.8 23.1 34.7
145 9.7 24.3 36.5#

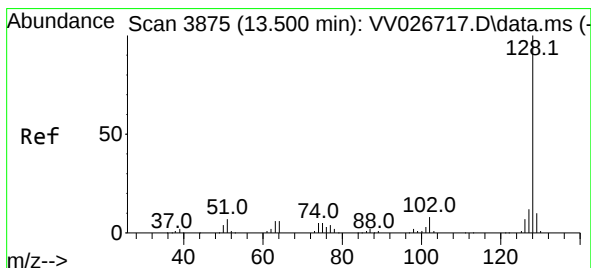
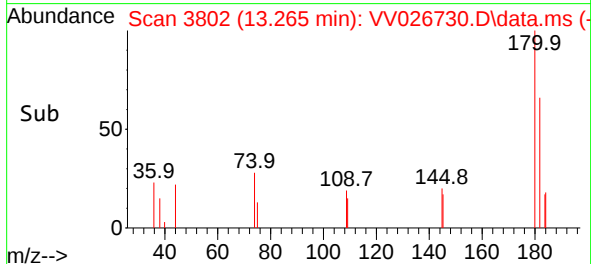
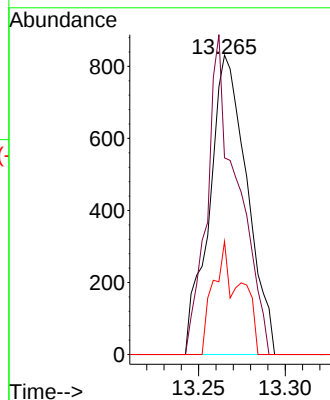
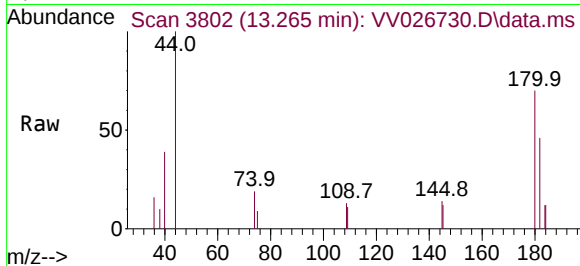




#70
1,2,4-trichlorobenzene
Concen: 0.159 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

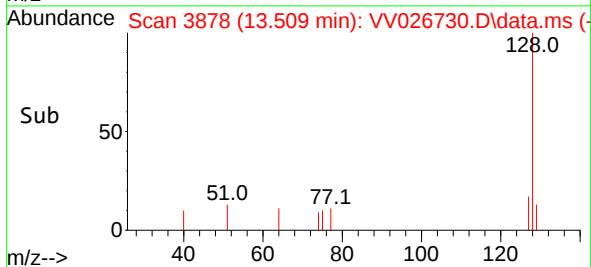
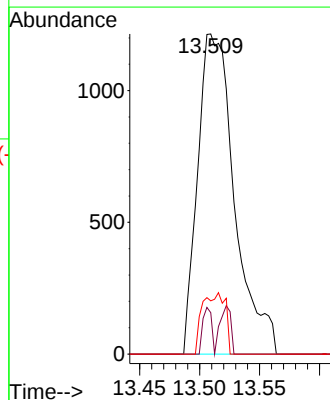
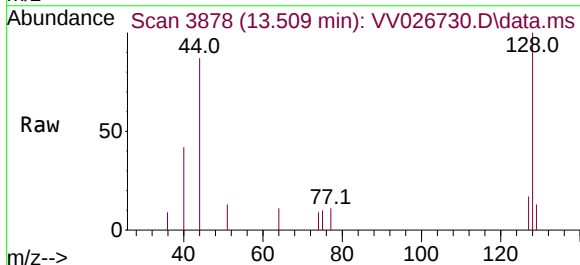
Instrument :
MSVOA_V
ClientSampleId :
DBUB3DL

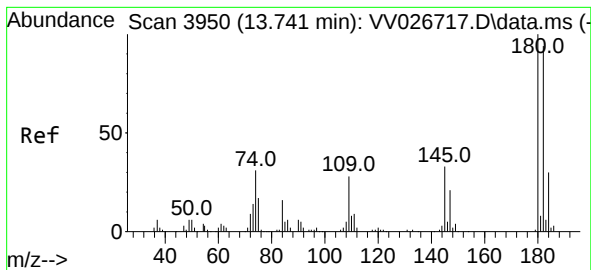
Tgt Ion:180 Resp: 1256
Ion Ratio Lower Upper
180 100
182 86.5 74.7 112.1
145 18.7 24.7 37.1#



#71
Naphthalene
Concen: 0.198 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV026730.D
Acq: 12 Jul 2022 17:01

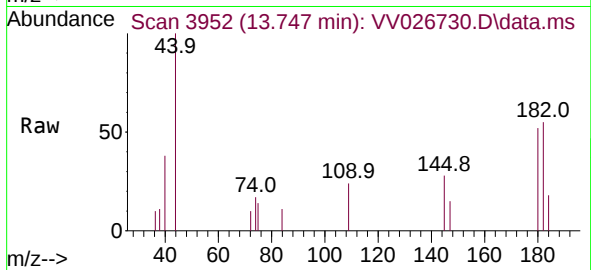
Tgt Ion:128 Resp: 2598
Ion Ratio Lower Upper
128 100
129 3.5 8.4 12.6#
127 0.0 10.7 16.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.136 ug/L
 RT: 13.747 min Scan# 3950
 Delta R.T. 0.006 min
 Lab File: VV026730.D
 Acq: 12 Jul 2022 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB3DL



Tgt Ion:180 Resp: 1000
 Ion Ratio Lower Upper
 180 100
 182 117.4 75.0 112.4#
 145 37.8 26.0 39.0

