

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121621\
 Data File : VW024027.D
 Acq On : 16 Dec 2021 20:49
 Operator : SY/MD
 Sample : M5113-06MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 17 02:04:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	100280	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102453	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60967	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	24033	4.458	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.568	69	20459	4.549	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.108	63	54816	5.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.200%
20) 2-Butanone-d5	3.896	46	57809	54.887	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.780%
24) Chloroform-d	4.349	84	57267	4.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.034	65	27611	4.856	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.050	84	102871	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.069	67	28874	4.716	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	102840	5.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.600%
43) trans-1,3-Dichloroprop...	7.625	79	11890	4.681	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.088	63	48789	42.911	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.820%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23220	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	39607	4.863	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	42803	4.904	ug/L	100
3) Chloromethane	1.240	50	36315	4.870	ug/L	98
5) Vinyl chloride	1.311	62	40359	4.990	ug/L	97
6) Bromomethane	1.523	94	26077	5.073	ug/L	98
8) Chloroethane	1.584	64	26013	4.942	ug/L	98
9) Trichlorofluoromethane	1.751	101	73582	5.235	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	39153	5.289	ug/L	98
12) 1,1-Dichloroethene	2.118	96	34564	5.137	ug/L	98
13) Acetone	2.185	43	60981	72.370	ug/L	76
14) Carbon disulfide	2.294	76	88404	4.530	ug/L	100
15) Methyl Acetate	2.439	43	12831	6.282	ug/L	96
16) Methylene chloride	2.507	84	40077	4.553	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	84649	5.564	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	39531	5.308	ug/L	97
19) 1,1-Dichloroethane	3.188	63	70148	5.248	ug/L	98
21) 2-Butanone	3.982	43	80661	66.997	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	43105	5.468	ug/L	97
23) Bromochloromethane	4.253	128	20691	5.776	ug/L	90
25) Chloroform	4.375	83	77528	5.218	ug/L	98

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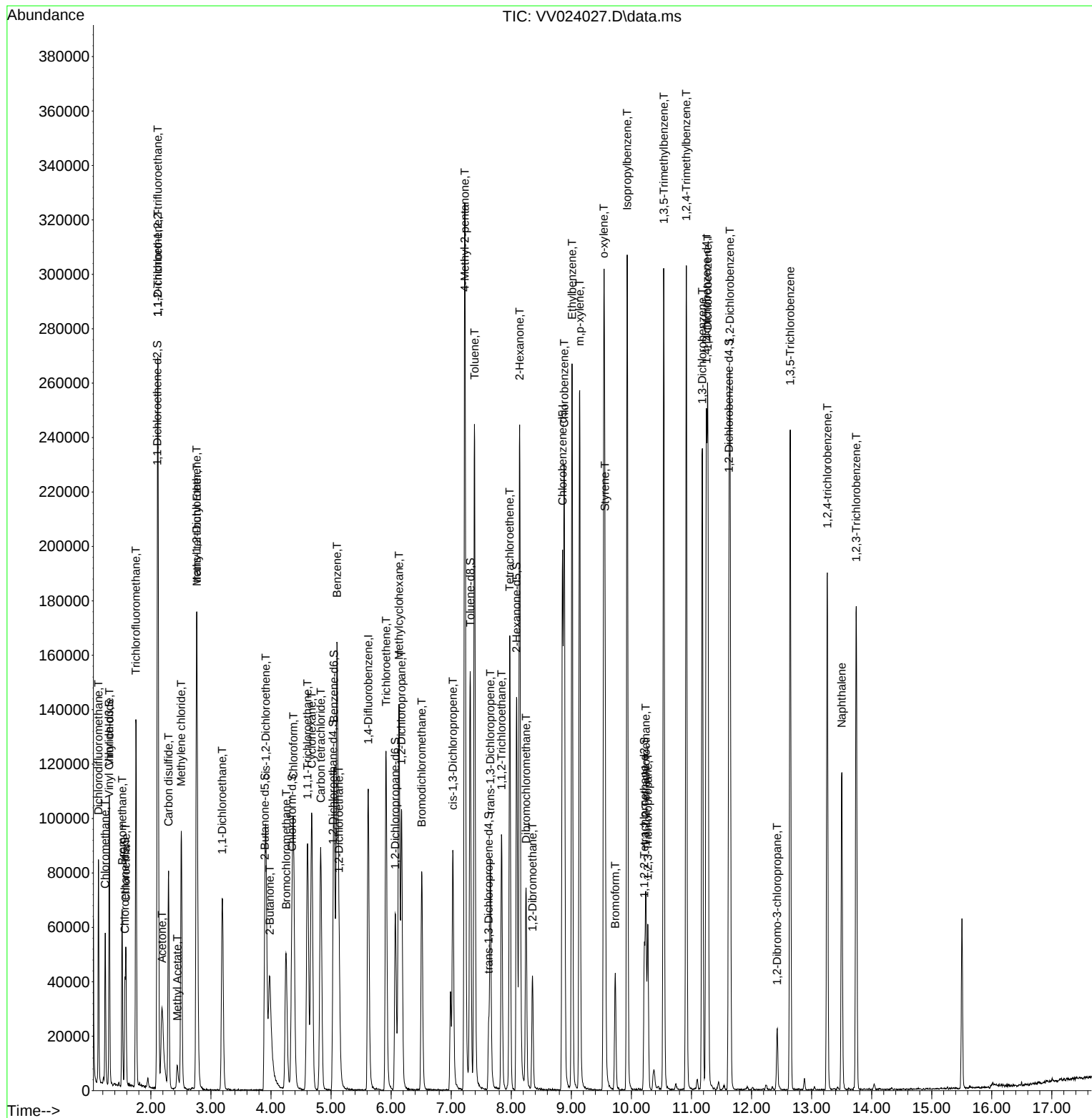
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	45294	5.626	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	73215	5.462	ug/L	100
30) Cyclohexane	4.677	56	51331	4.828	ug/L	98
31) Carbon tetrachloride	4.828	117	66003	5.238	ug/L	99
33) Benzene	5.098	78	162840	5.618	ug/L	100
34) Trichloroethene	5.915	95	42197	5.162	ug/L	99
35) Methylcyclohexane	6.130	83	58692	4.878	ug/L	97
37) 1,2-Dichloropropane	6.172	63	37229	5.404	ug/L	99
38) Bromodichloromethane	6.510	83	54434	5.578	ug/L	96
39) cis-1,3-Dichloropropene	7.031	75	51554	5.041	ug/L	96
40) 4-Methyl-2-pentanone	7.227	43	204653	61.845	ug/L	98
42) Toluene	7.388	91	177309	5.436	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	45311	5.126	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	28018	5.498	ug/L	99
47) Tetrachloroethene	7.976	164	36836	5.118	ug/L	99
48) 2-Hexanone	8.140	43	147086	61.300	ug/L	98
49) Dibromochloromethane	8.246	129	37389	5.392	ug/L	98
50) 1,2-Dibromoethane	8.352	107	26805	5.665	ug/L	96
51) Chlorobenzene	8.883	112	125862	5.773	ug/L	98
52) Ethylbenzene	9.011	91	182075	5.290	ug/L	100
53) m,p-xylene	9.140	106	73074	5.369	ug/L	99
54) o-xylene	9.542	106	70619	5.365	ug/L	98
55) Styrene	9.561	104	71658	3.270	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	30676	5.497	ug/L	98
59) Bromoform	9.731	173	19629	5.017	ug/L	98
60) Isopropylbenzene	9.931	105	193791	5.414	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	23020	5.543	ug/L	96
62) 1,3,5-Trimethylbenzene	10.539	105	156570	5.273	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	159658	5.397	ug/L	97
64) 1,3-Dichlorobenzene	11.182	146	98329	5.371	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	100815	5.483	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	91995	5.485	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.426	75	5337	5.884	ug/L	89
69) 1,3,5-Trichlorobenzene	12.645	180	74660	4.958	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	59038	4.992	ug/L	98
71) Naphthalene	13.503	128	92301	5.430	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	55975	5.361	ug/L	97

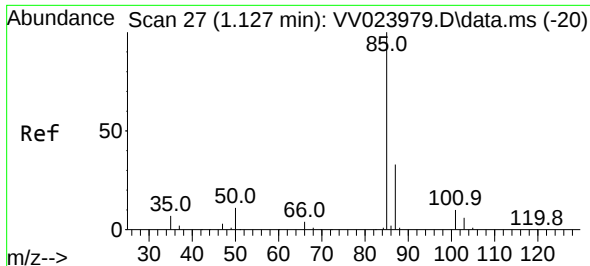
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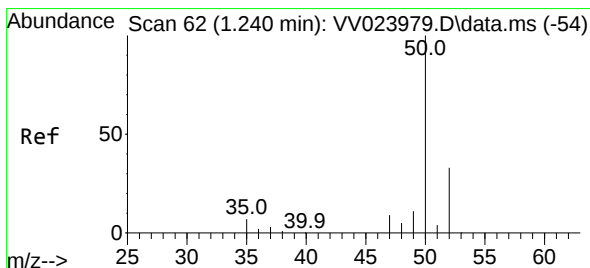
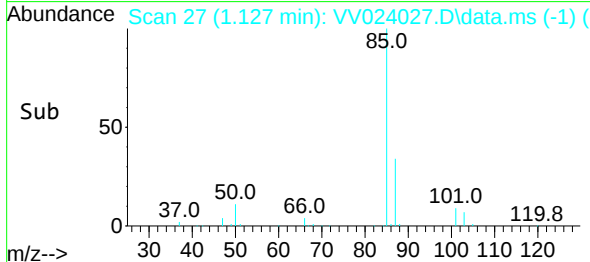
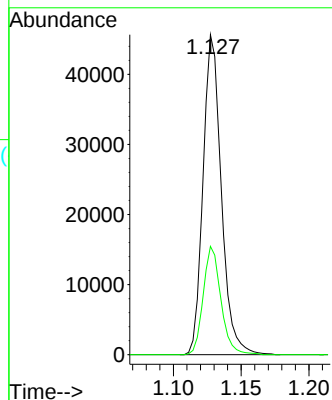
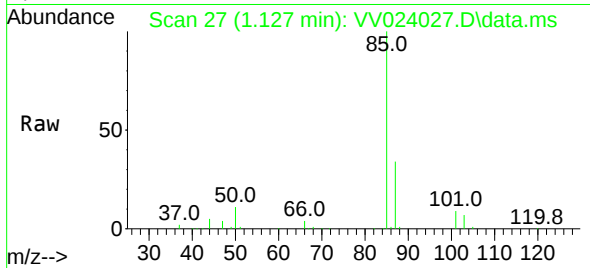




#2
 Dichlorodifluoromethane
 Concen: 4.904 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

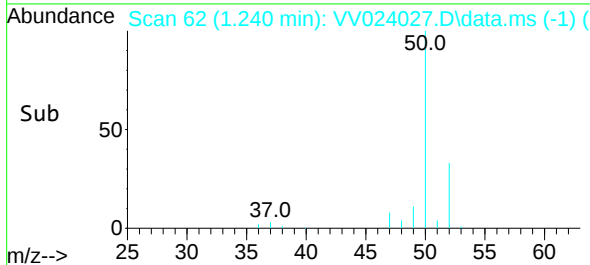
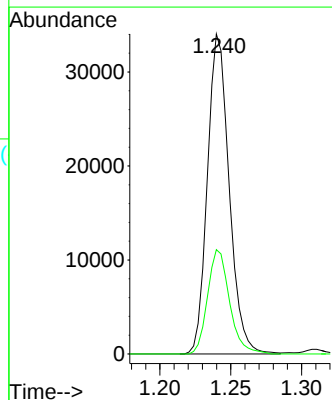
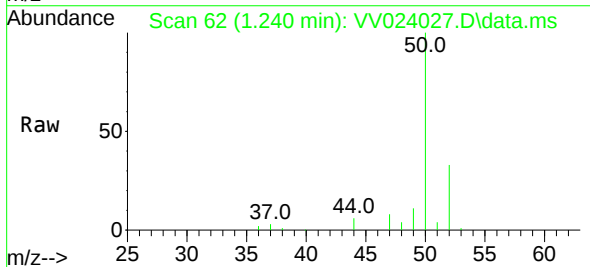
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 ClientSampleId :

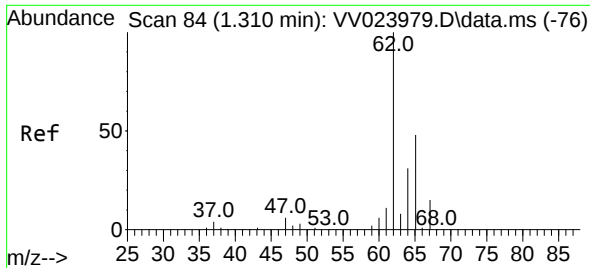
Tgt Ion: 85 Resp: 42803
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 4.870 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

Tgt Ion: 50 Resp: 36315
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.0 41.0

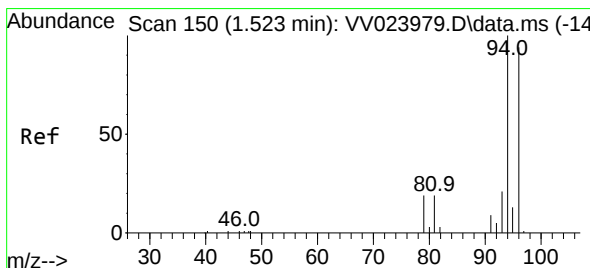
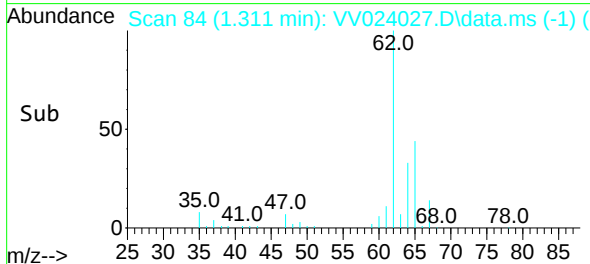
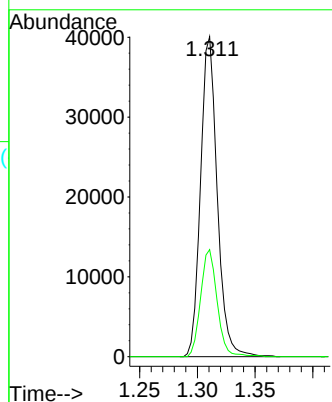
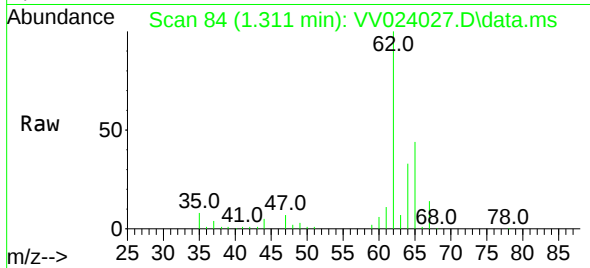




#5
 Vinyl chloride
 Concen: 4.990 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

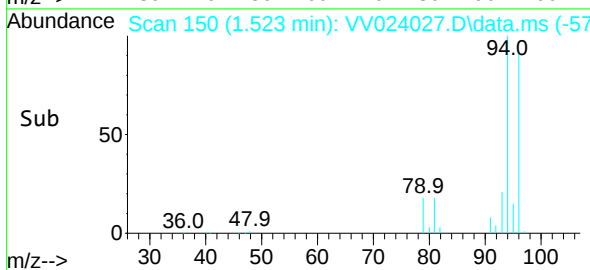
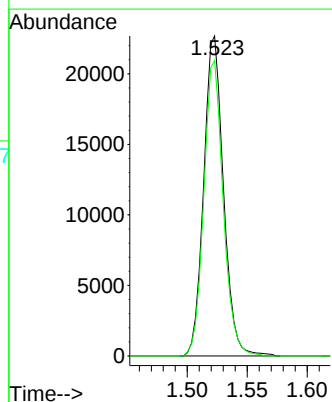
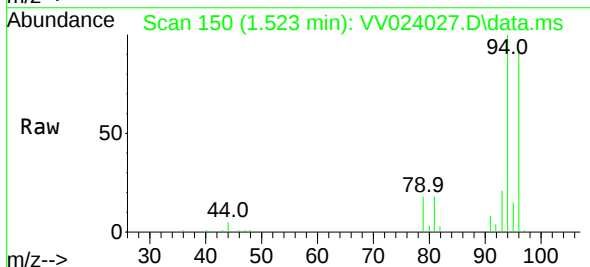
Instrument :
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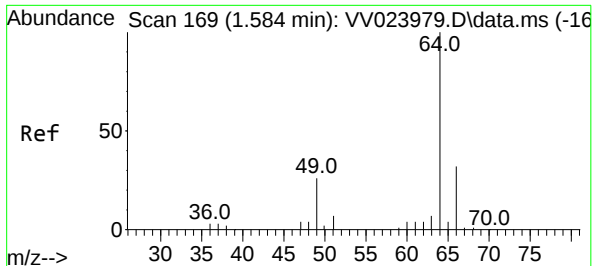
Tgt Ion: 62 Resp: 40359
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.4 41.6



#6
 Bromomethane
 Concen: 5.073 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

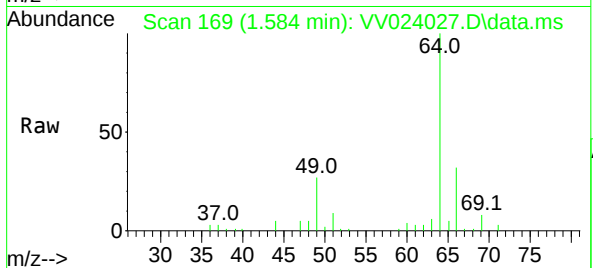
Tgt Ion: 94 Resp: 26077
 Ion Ratio Lower Upper
 94 100
 96 92.3 66.2 123.0



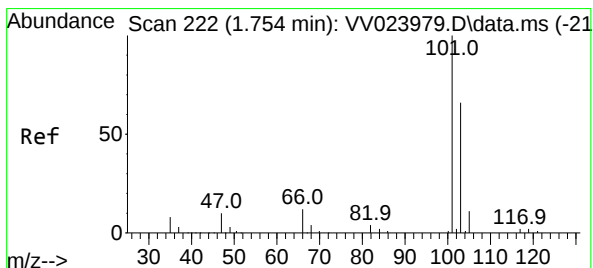
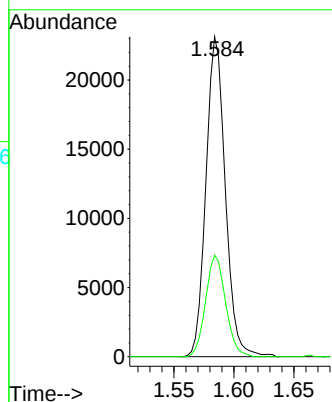
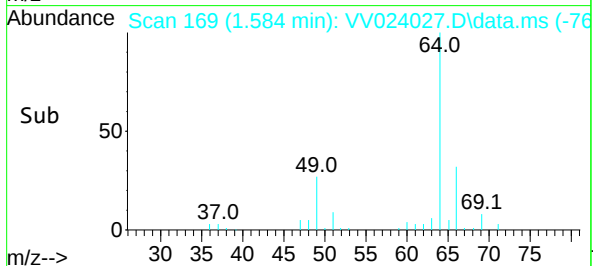


#8
Chloroethane
Concen: 4.942 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Instrument :
MSVOA_V
ClientSampleId :

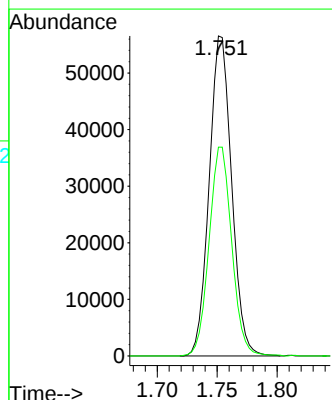
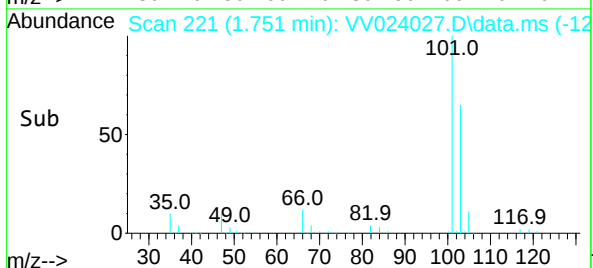
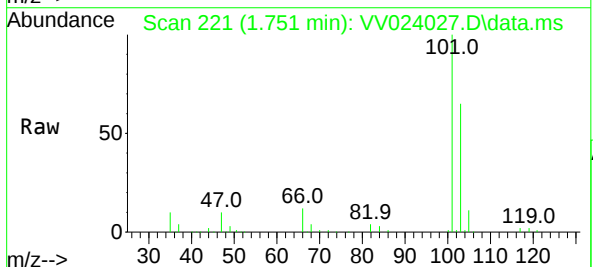


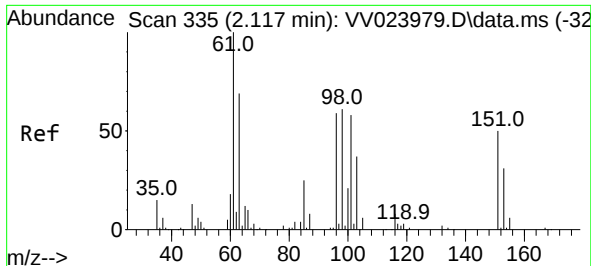
Tgt Ion: 64 Resp: 26013
Ion Ratio Lower Upper
64 100
66 31.7 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.235 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion: 101 Resp: 73582
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

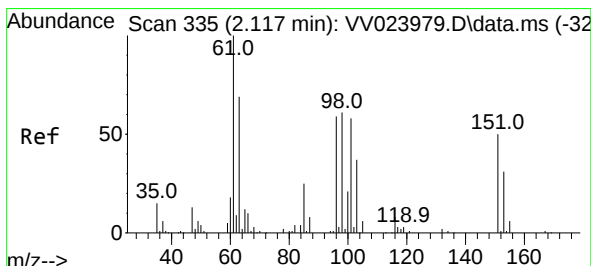
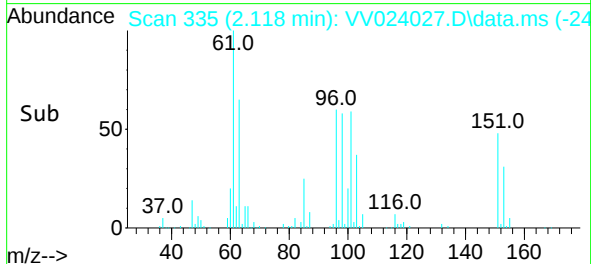
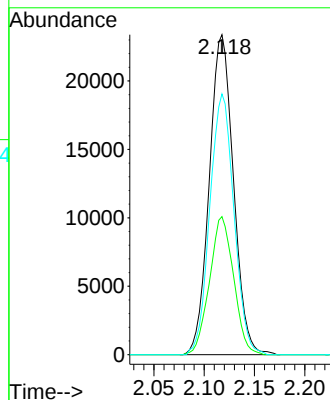
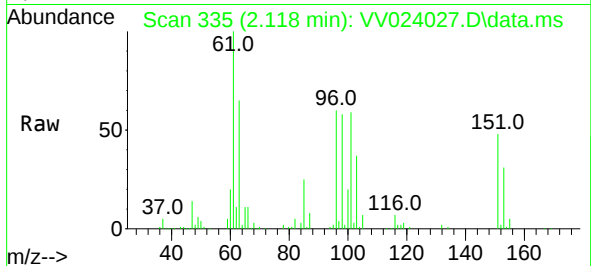




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.289 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

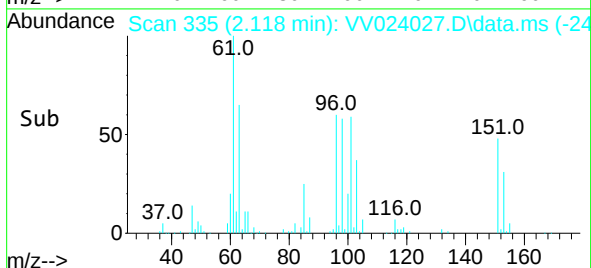
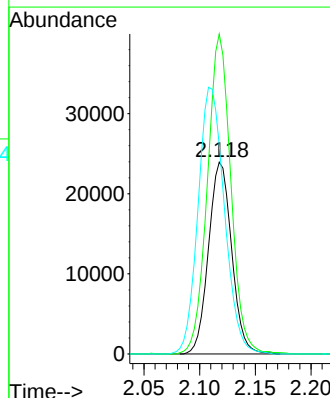
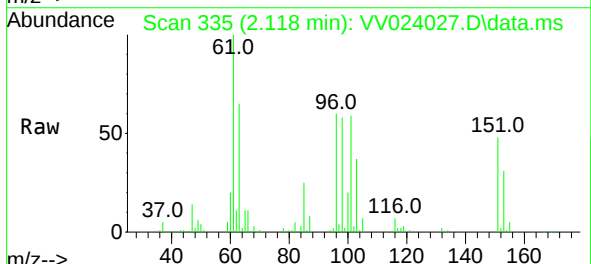
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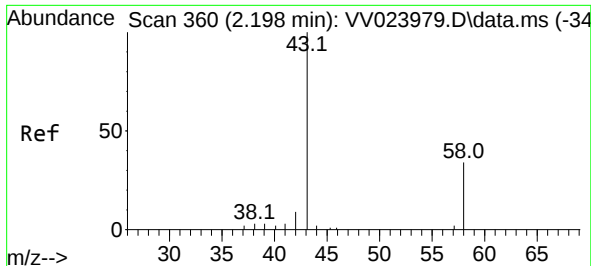
Tgt Ion:101 Resp: 39153
 Ion Ratio Lower Upper
 101 100
 85 42.9 36.0 54.0
 151 81.2 66.4 99.6



#12
 1,1-Dichloroethene
 Concen: 5.137 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

Tgt Ion: 96 Resp: 34564
 Ion Ratio Lower Upper
 96 100
 61 166.9 116.1 215.5
 63 108.9 79.4 147.4





#13

Acetone

Concen: 72.370 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

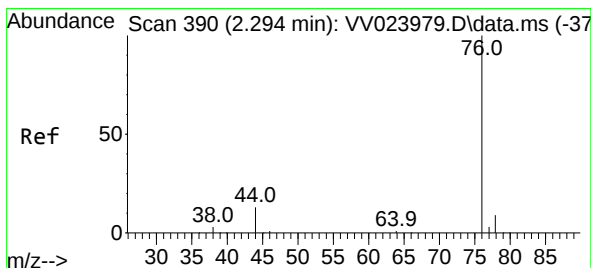
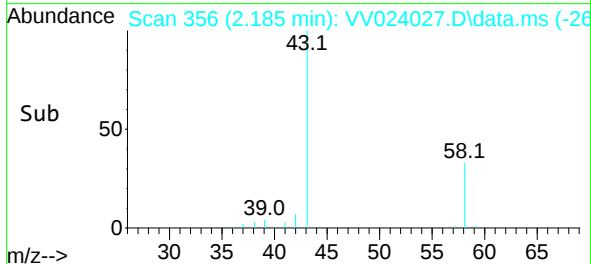
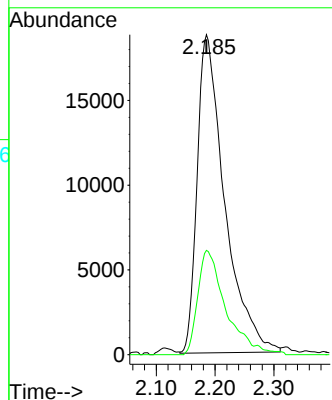
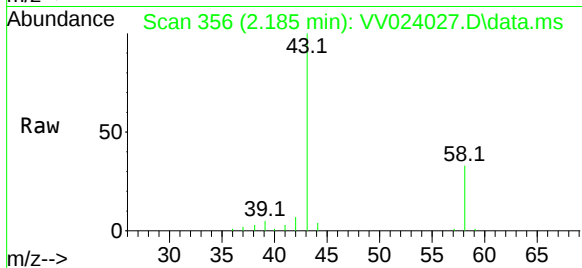
ClientSampleId :

Tgt Ion: 43 Resp: 60981

Ion Ratio Lower Upper

43 100

58 32.0 0.0 41.4



#14

Carbon disulfide

Concen: 4.530 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024027.D

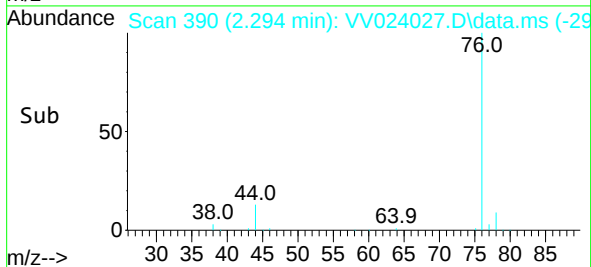
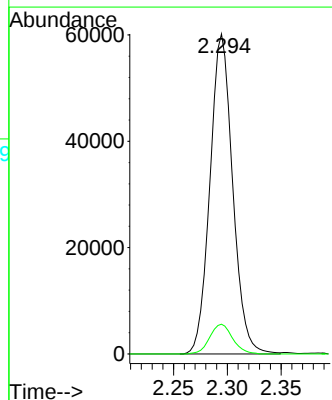
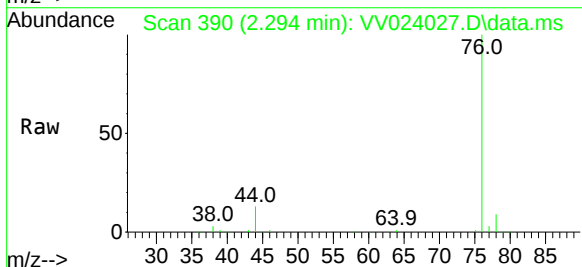
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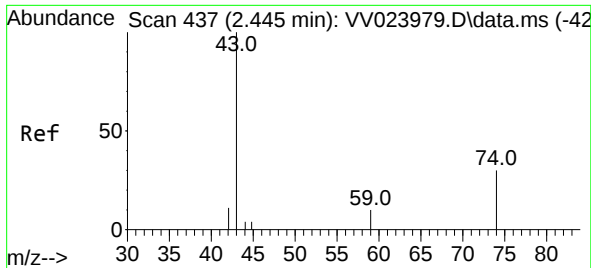
Tgt Ion: 76 Resp: 88404

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 6.282 ug/L

RT: 2.439 min Scan# 41

Delta R.T. -0.006 min

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MSVOA_V

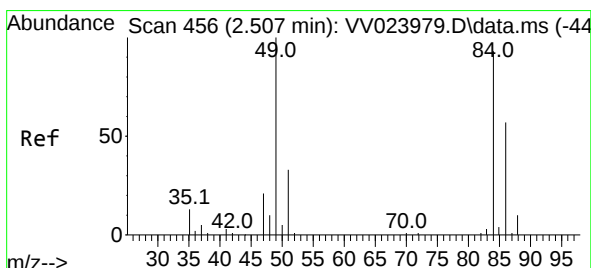
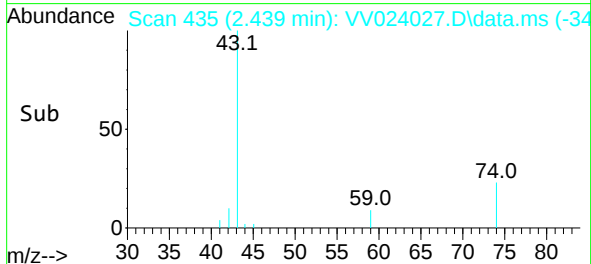
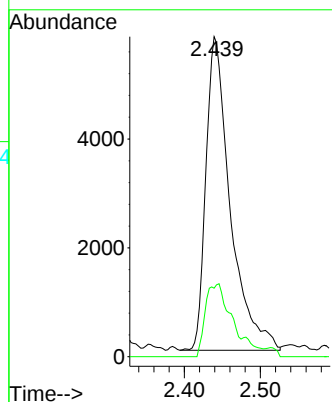
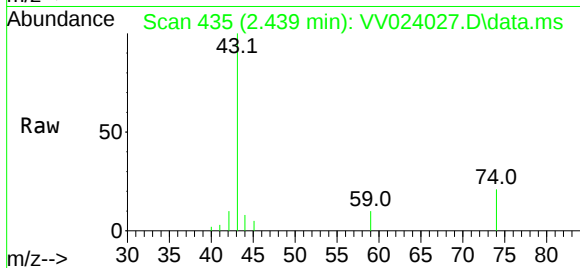
ClientSampleId :

Tgt Ion: 43 Resp: 12831

Ion Ratio Lower Upper

43 100

74 23.1 20.2 30.2



#16

Methylene chloride

Concen: 4.553 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

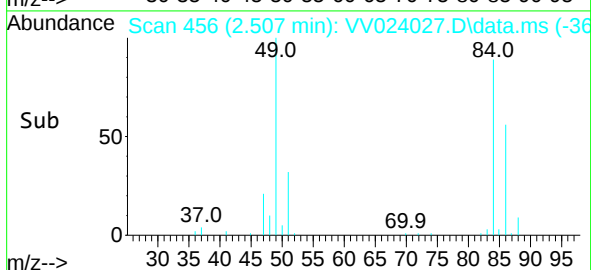
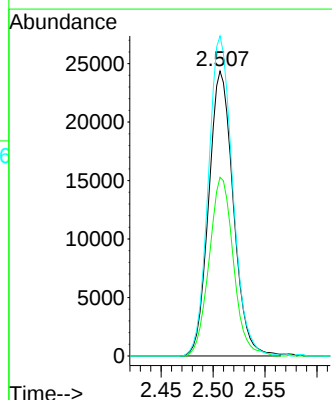
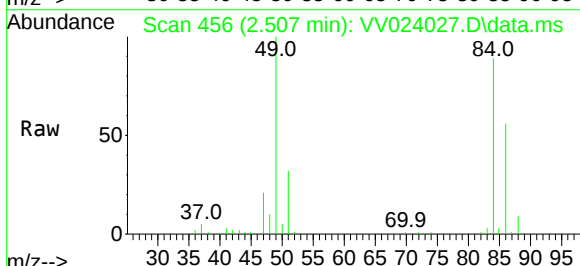
Tgt Ion: 84 Resp: 40077

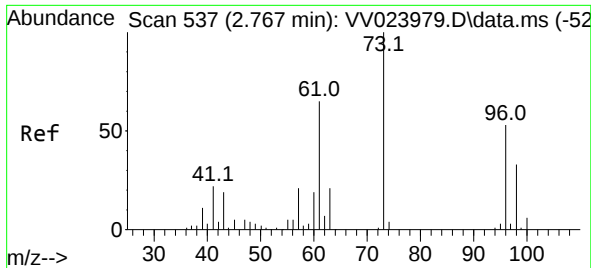
Ion Ratio Lower Upper

84 100

86 62.8 42.6 79.0

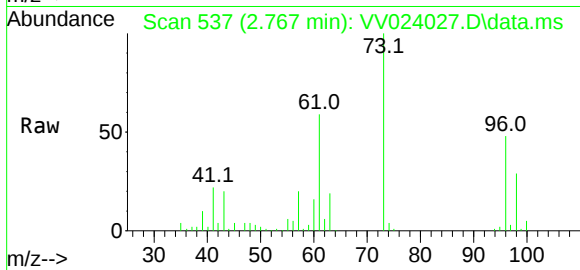
49 112.4 79.7 147.9



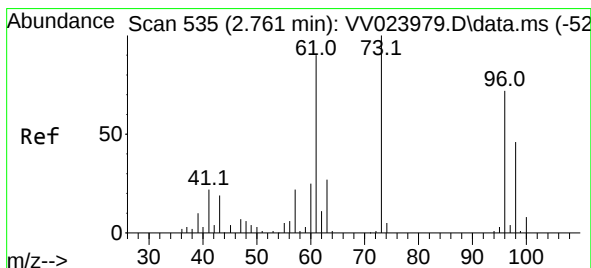
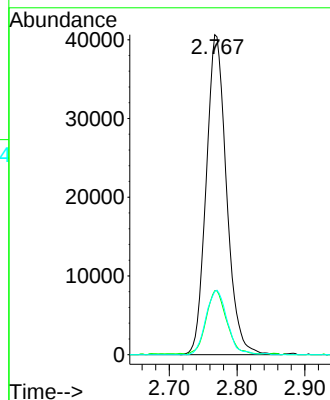
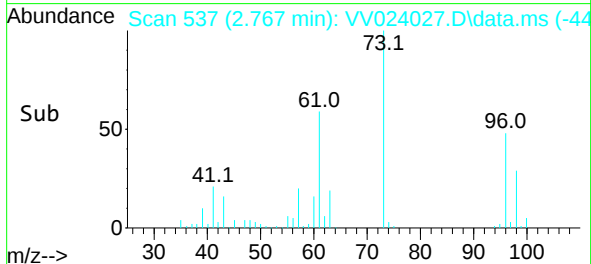


#17
Methyl tert-butyl Ether
Concen: 5.564 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

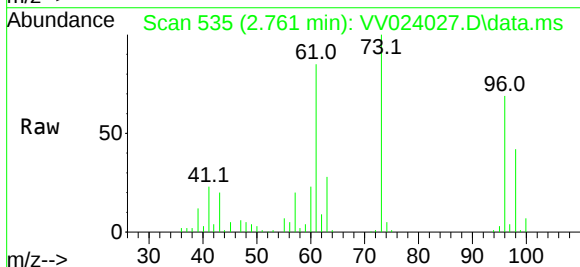
Instrument :
MSVOA_V
ClientSampleId :



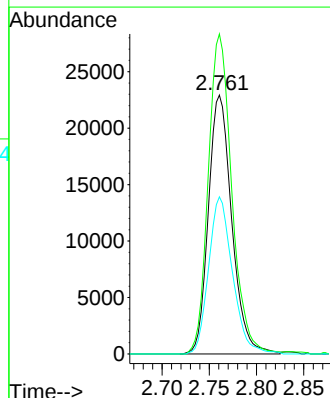
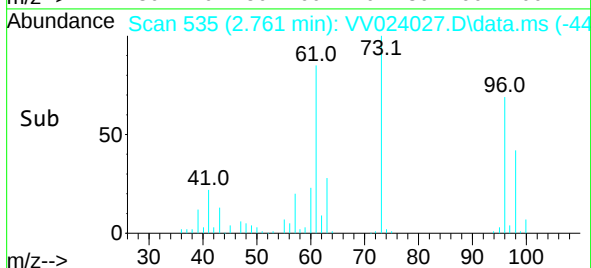
Tgt Ion: 73 Resp: 84649
Ion Ratio Lower Upper
73 100
43 20.6 15.5 23.3
57 21.0 17.1 25.7

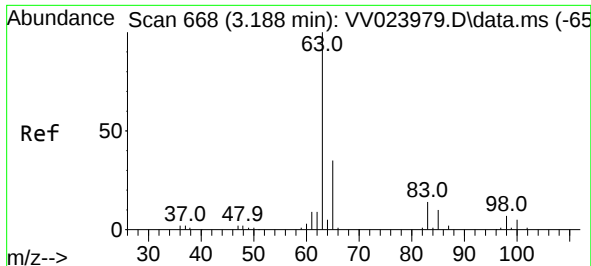


#18
trans-1,2-Dichloroethene
Concen: 5.308 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49



Tgt Ion: 96 Resp: 39531
Ion Ratio Lower Upper
96 100
61 123.6 88.2 163.8
98 60.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.248 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

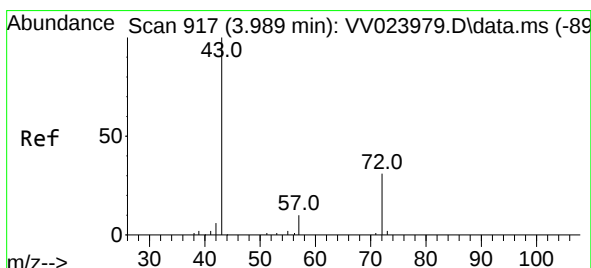
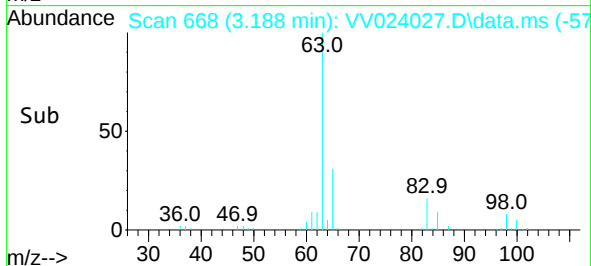
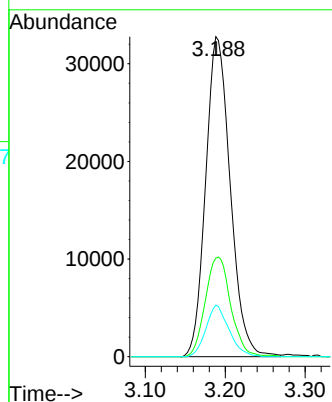
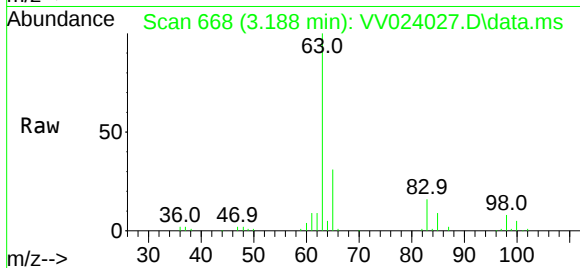
Tgt Ion: 63 Resp: 70148

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.3

83 16.1 10.7 19.9



#21

2-Butanone

Concen: 66.997 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.006 min

Lab File: VV024027.D

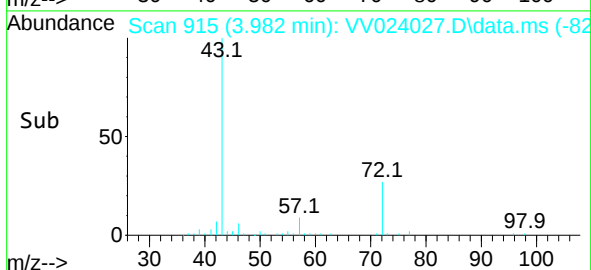
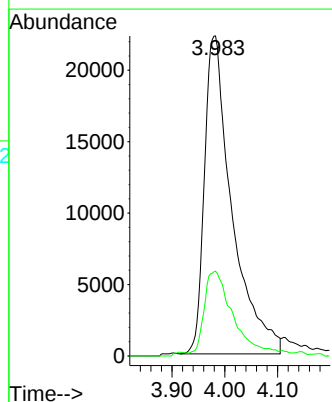
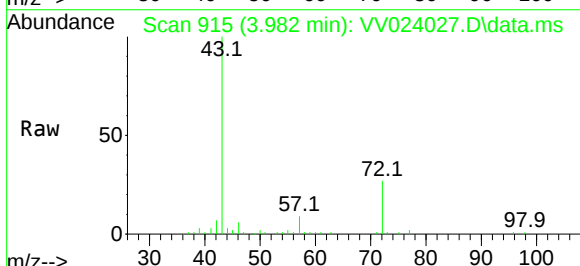
Acq: 16 Dec 2021 20:49

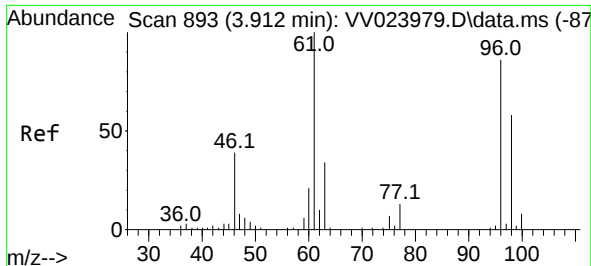
Tgt Ion: 43 Resp: 80661

Ion Ratio Lower Upper

43 100

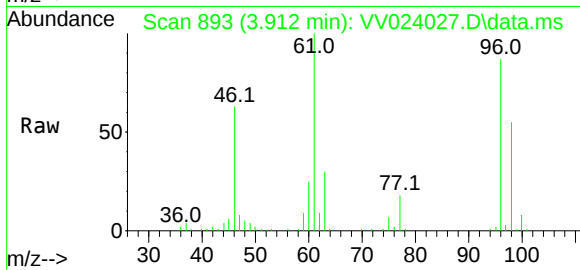
72 26.6 11.1 33.1





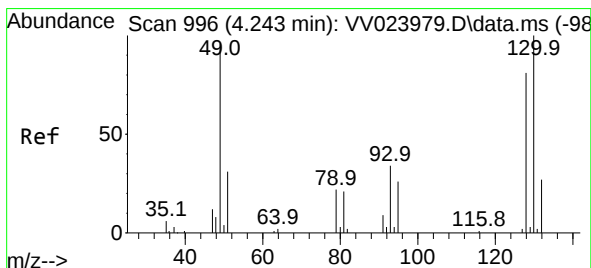
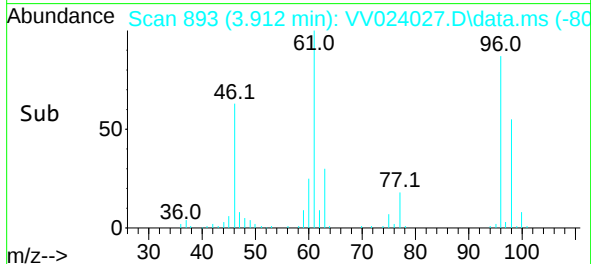
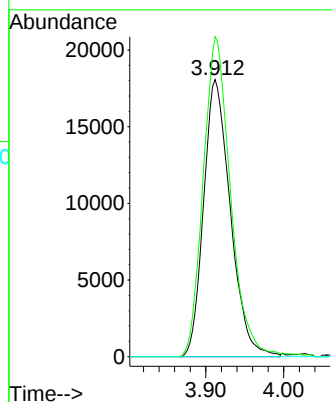
#22
 cis-1,2-Dichloroethene
 Concen: 5.468 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.000 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 43105

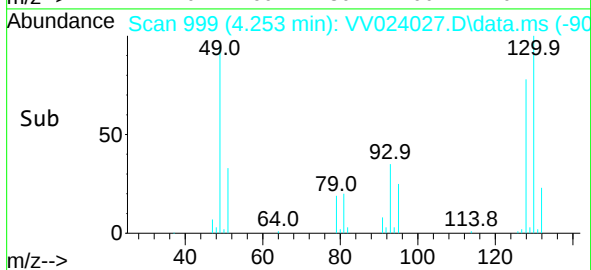
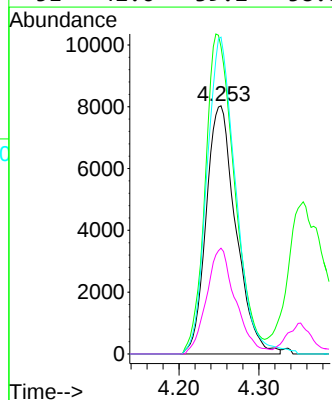
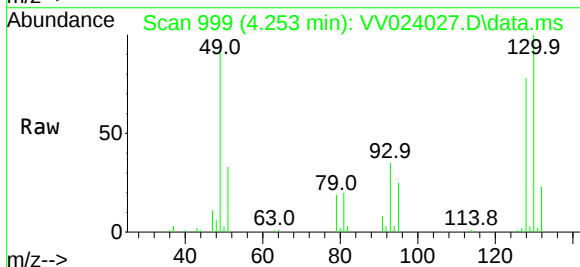
Ion	Ratio	Lower	Upper
96	100		
61	115.5	83.4	154.8
68	0.0	0.0	0.0

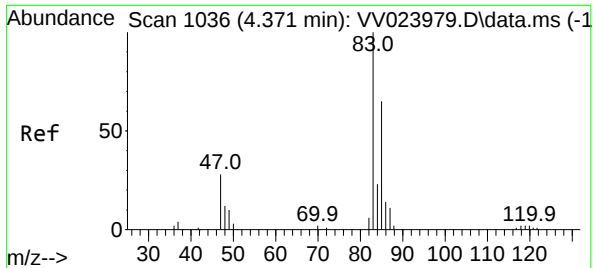


#23
 Bromochloromethane
 Concen: 5.776 ug/L
 RT: 4.253 min Scan# 999
 Delta R.T. 0.010 min
 Lab File: VV024027.D
 Acq: 16 Dec 2021 20:49

Tgt Ion: 128 Resp: 20691

Ion	Ratio	Lower	Upper
128	100		
49	123.8	100.2	186.2
130	127.7	92.5	171.7
51	42.6	39.2	58.8





#25

Chloroform

Concen: 5.218 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

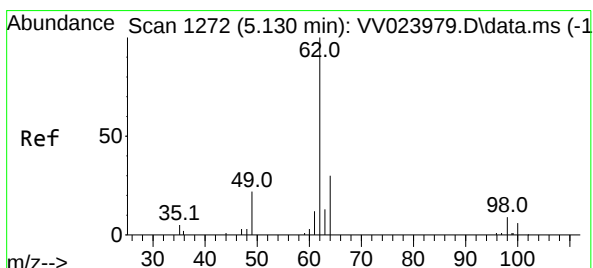
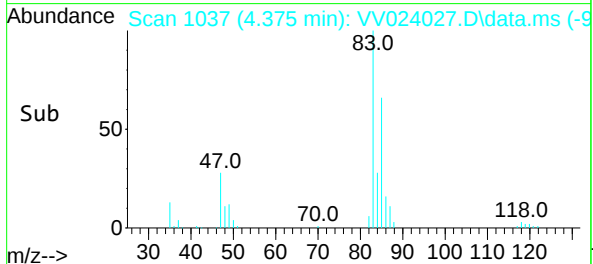
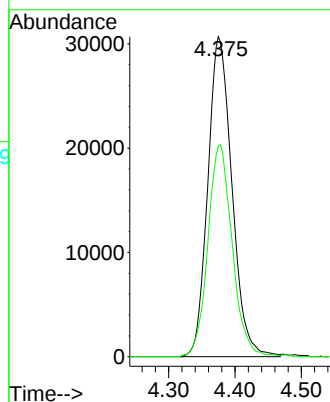
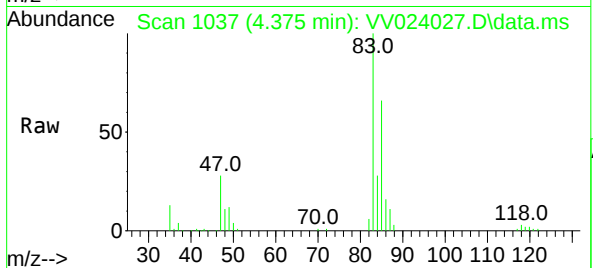
ClientSampleId :

Tgt Ion: 83 Resp: 77528

Ion Ratio Lower Upper

83 100

85 65.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.626 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV024027.D

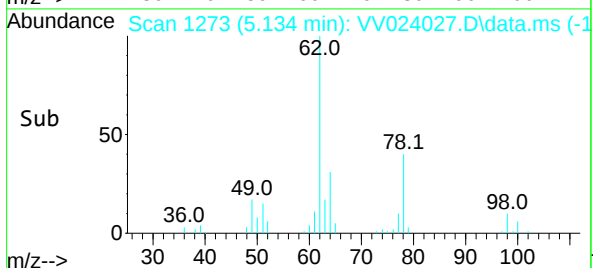
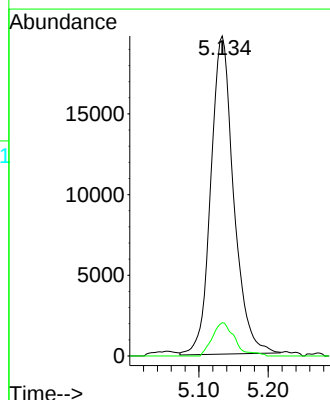
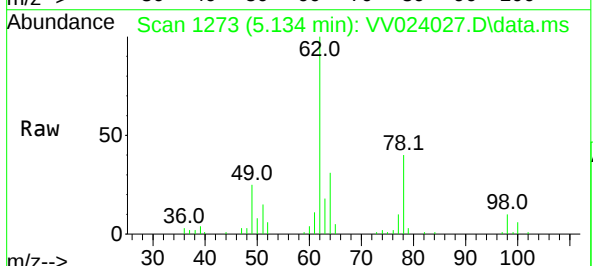
Acq: 16 Dec 2021 20:49

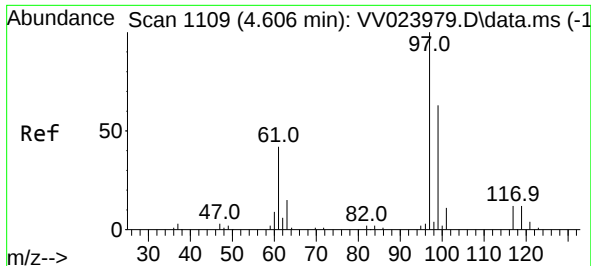
Tgt Ion: 62 Resp: 45294

Ion Ratio Lower Upper

62 100

98 10.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.462 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VV024027.D

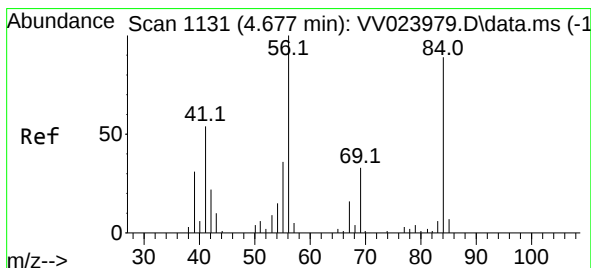
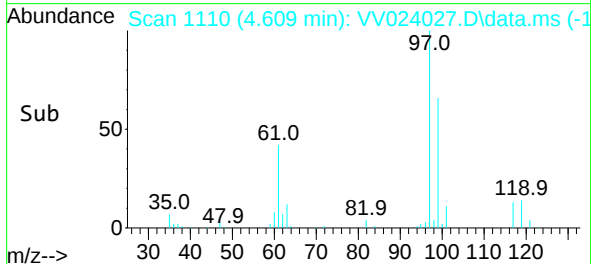
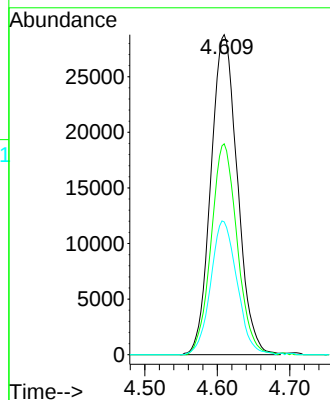
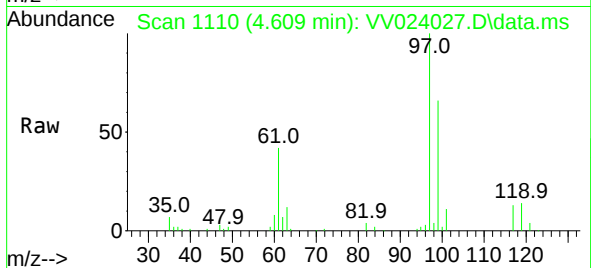
Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 73215
Ion Ratio	Lower Upper
97 100	
99 64.5	51.9 77.9
61 41.4	33.2 49.8



#30

Cyclohexane

Concen: 4.828 ug/L

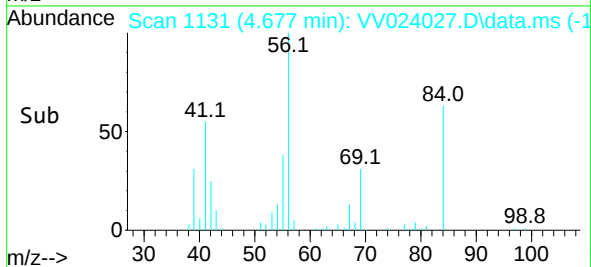
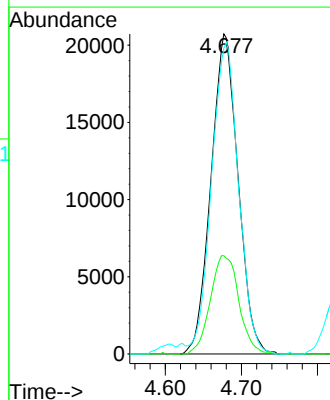
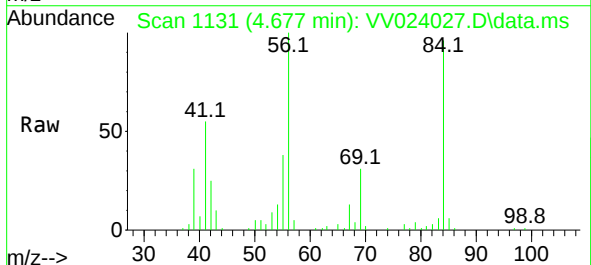
RT: 4.677 min Scan# 1131

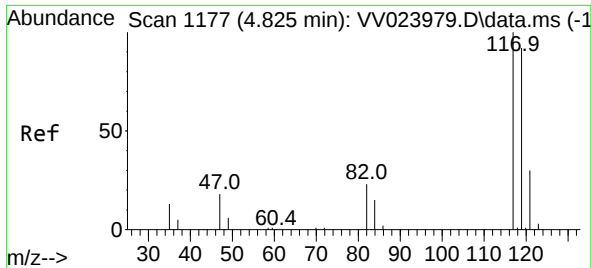
Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Tgt Ion: 56	Resp: 51331
Ion Ratio	Lower Upper
56 100	
69 32.3	24.8 37.2
84 97.1	75.9 113.9

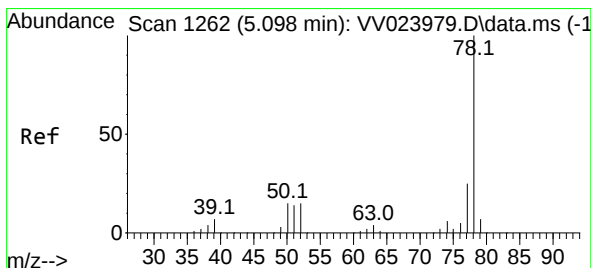
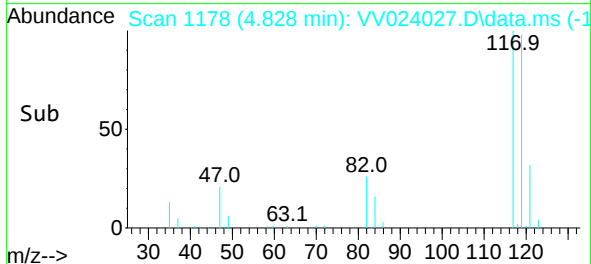
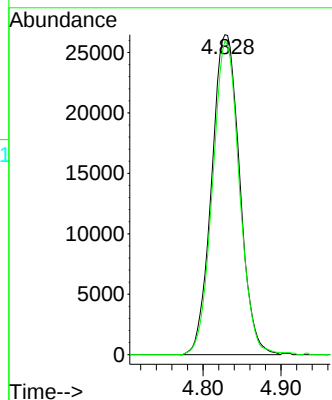
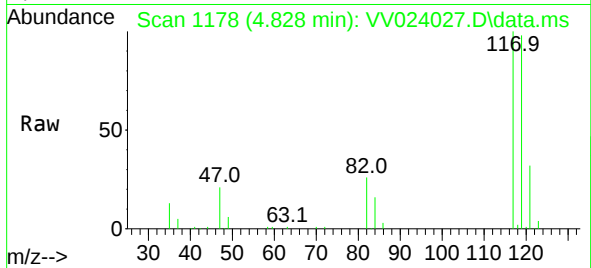




#31
Carbon tetrachloride
Concen: 5.238 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

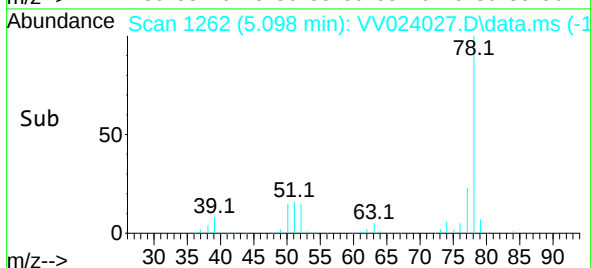
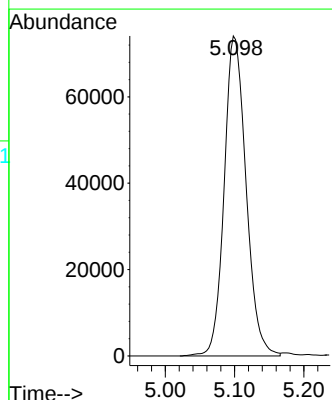
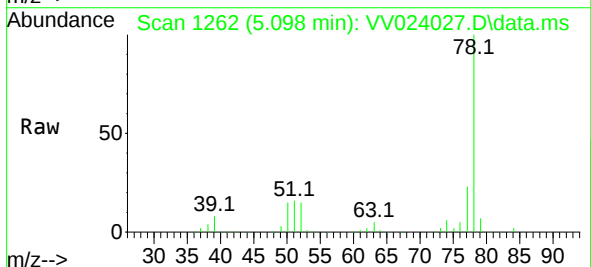
Instrument :
MSVOA_V
ClientSampleId :

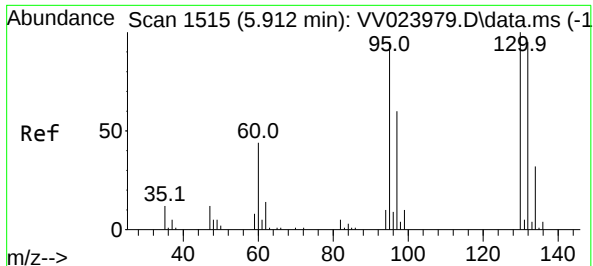
Tgt Ion:117 Resp: 66003
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8



#33
Benzene
Concen: 5.618 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion: 78 Resp: 162840





#34

Trichloroethene

Concen: 5.162 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 42197

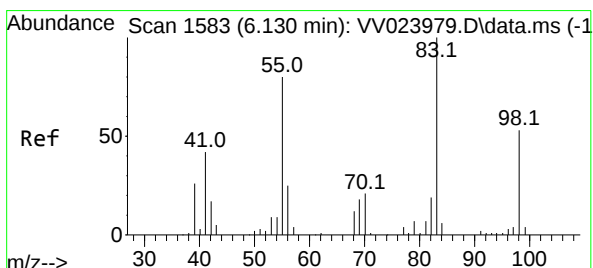
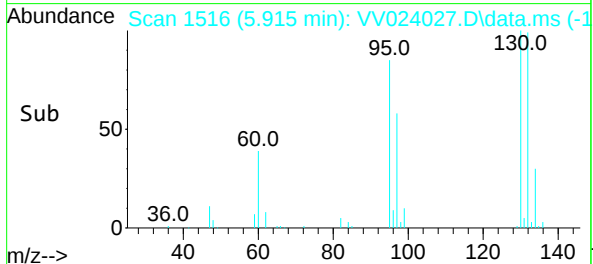
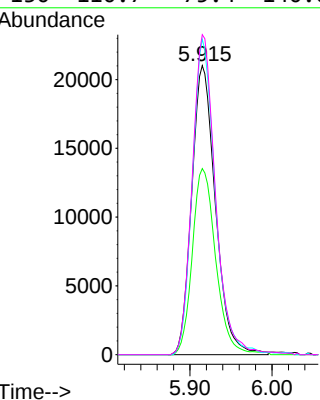
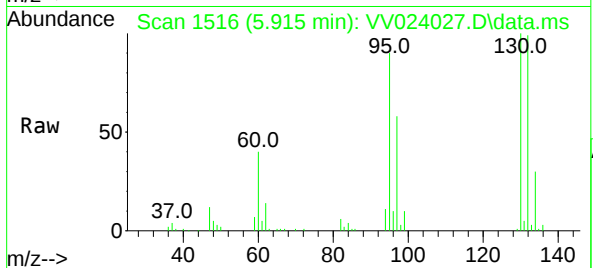
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 109.1 76.1 141.3

130 110.7 75.4 140.0



#35

Methylcyclohexane

Concen: 4.878 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

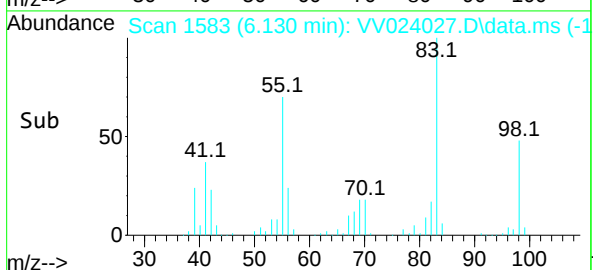
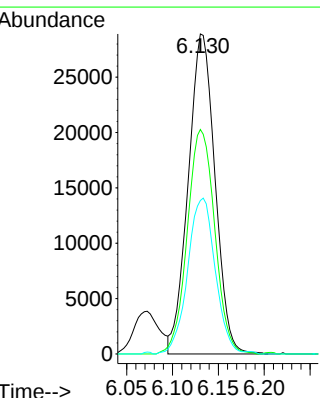
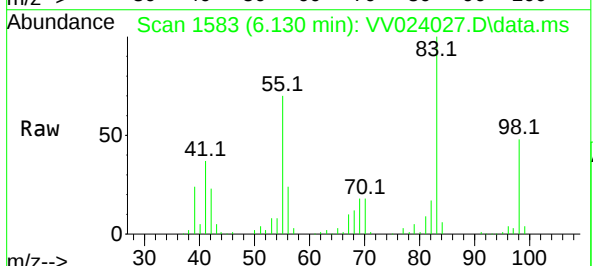
Tgt Ion: 83 Resp: 58692

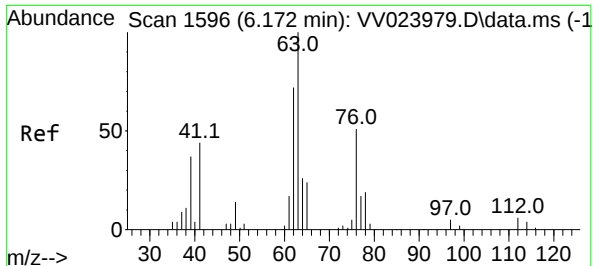
Ion Ratio Lower Upper

83 100

55 72.0 60.2 90.2

98 50.1 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.404 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

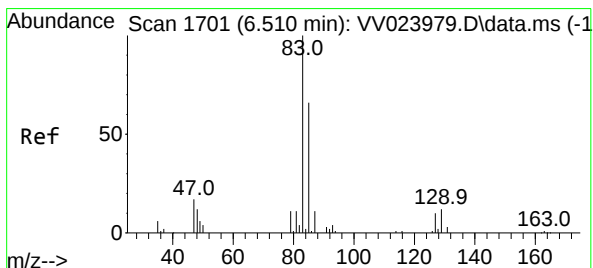
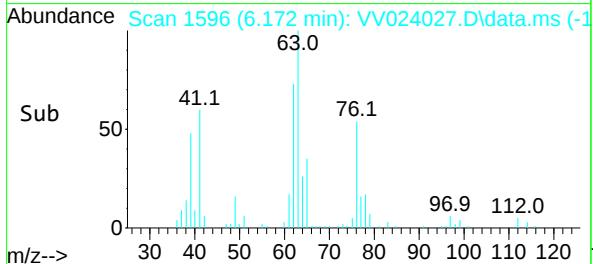
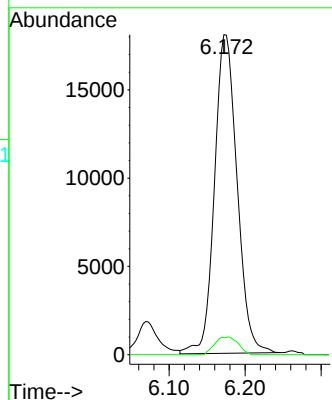
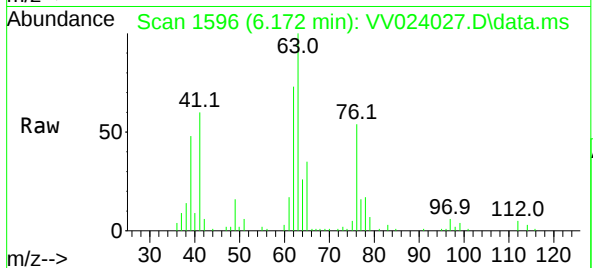
ClientSampleId :

Tgt Ion: 63 Resp: 37229

Ion Ratio Lower Upper

63 100

112 5.8 4.3 6.5



#38

Bromodichloromethane

Concen: 5.578 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

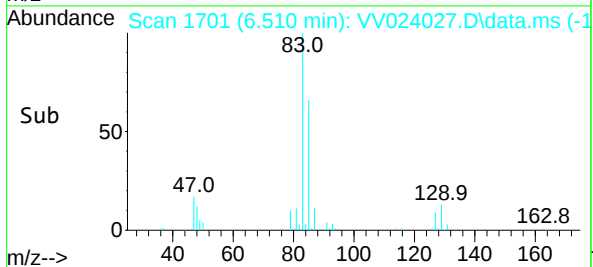
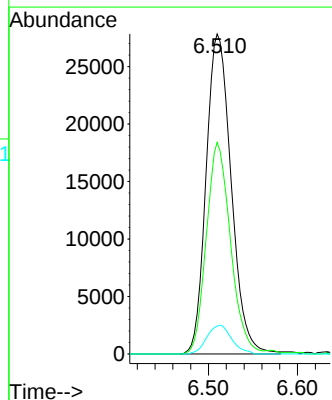
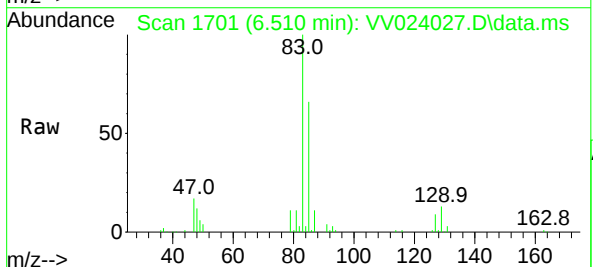
Tgt Ion: 83 Resp: 54434

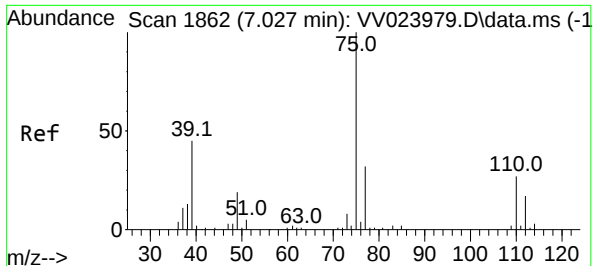
Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.8

127 8.7 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.041 ug/L

RT: 7.031 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

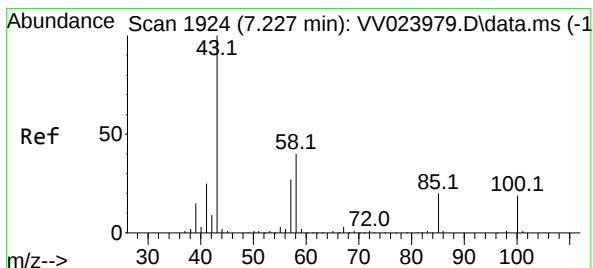
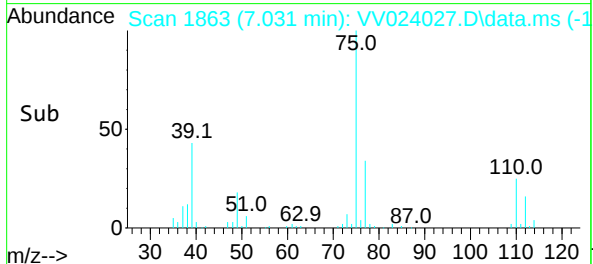
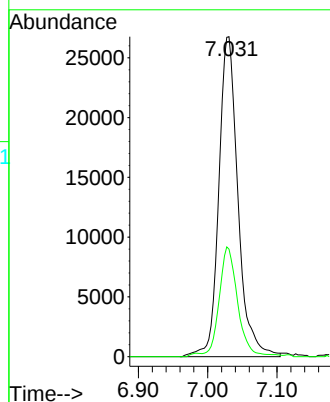
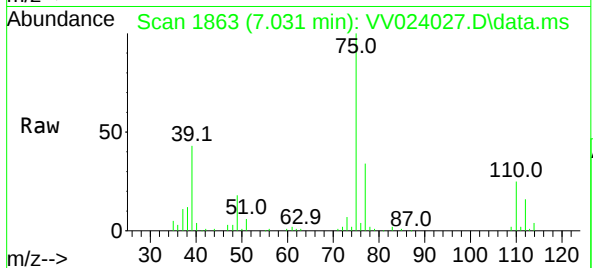
ClientSampleId :

Tgt Ion: 75 Resp: 51554

Ion Ratio Lower Upper

75 100

77 33.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 61.845 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

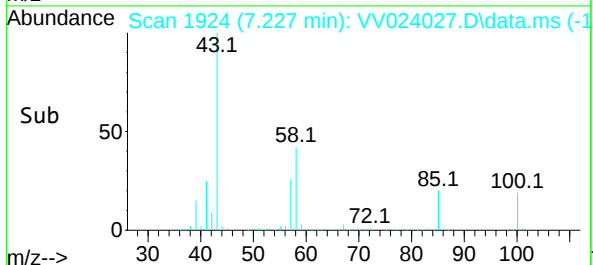
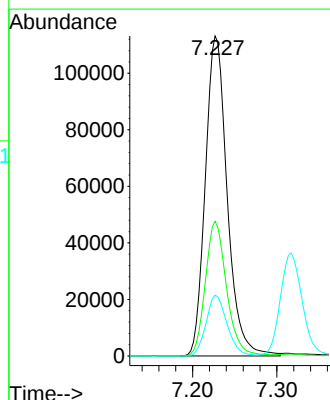
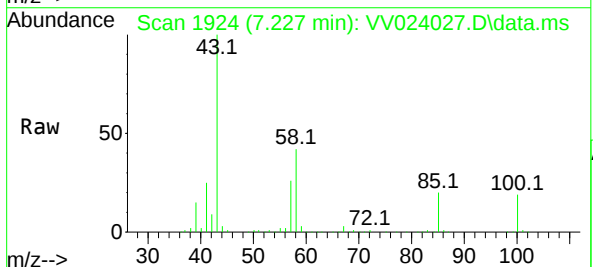
Tgt Ion: 43 Resp: 204653

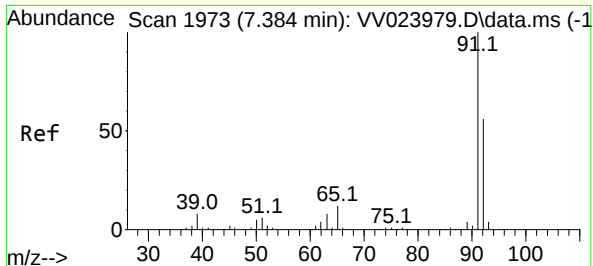
Ion Ratio Lower Upper

43 100

58 40.7 32.3 48.5

100 18.2 13.0 19.6





#42

Toluene

Concen: 5.436 ug/L

RT: 7.388 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

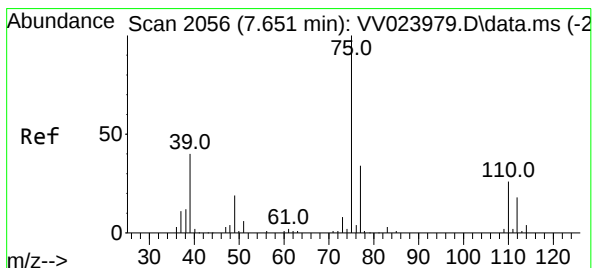
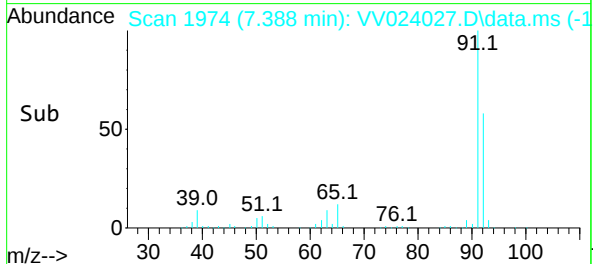
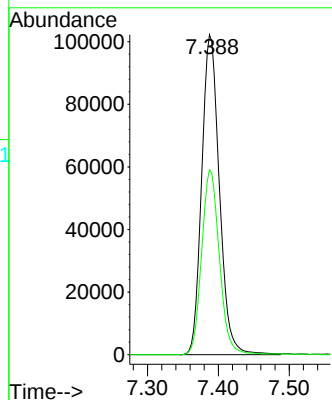
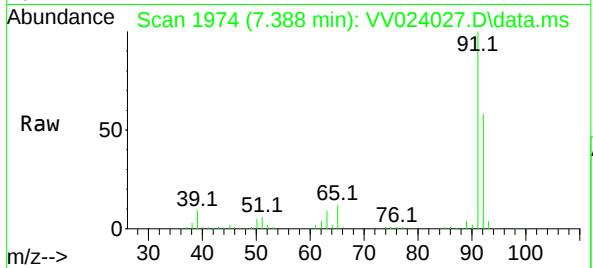
ClientSampleId :

Tgt Ion: 91 Resp: 177309

Ion Ratio Lower Upper

91 100

92 57.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.126 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV024027.D

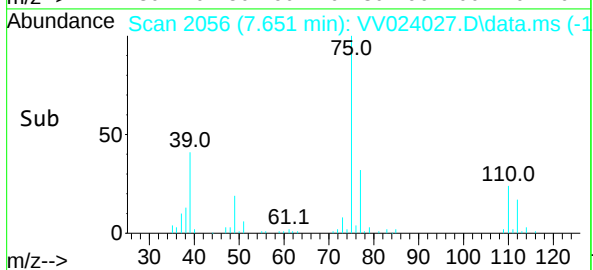
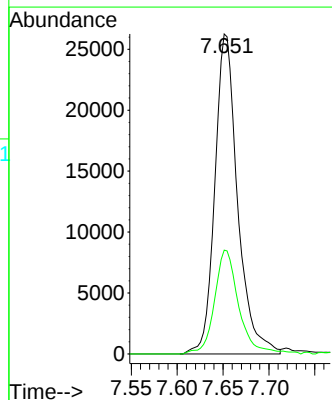
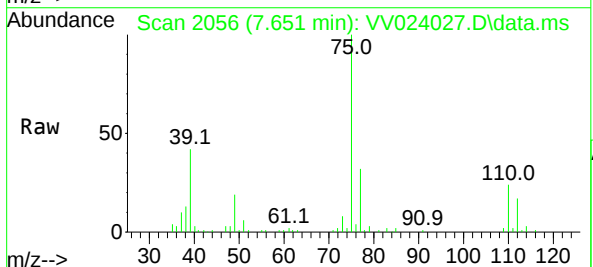
Acq: 16 Dec 2021 20:49

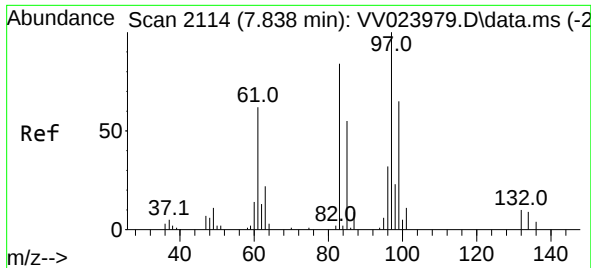
Tgt Ion: 75 Resp: 45311

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4

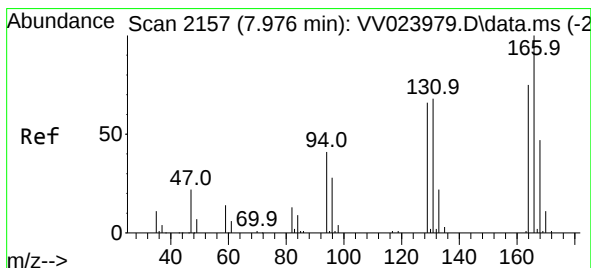
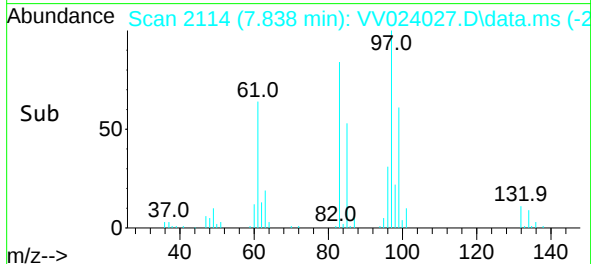
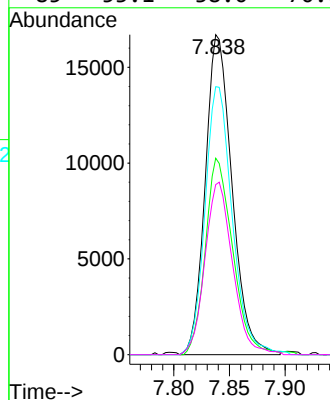
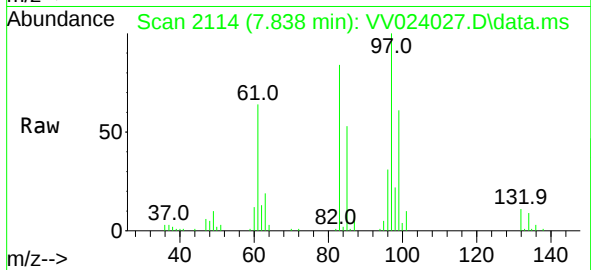




#45
1,1,2-Trichloroethane
Concen: 5.498 ug/L
RT: 7.838 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

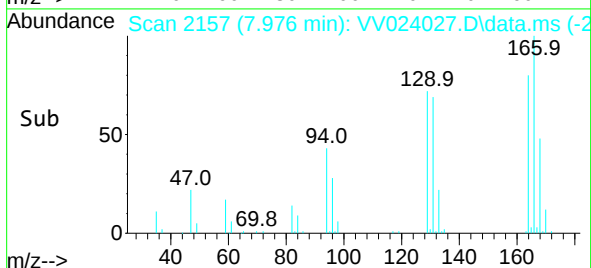
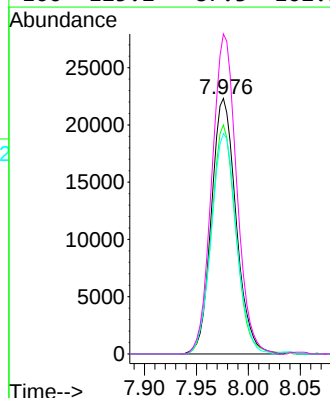
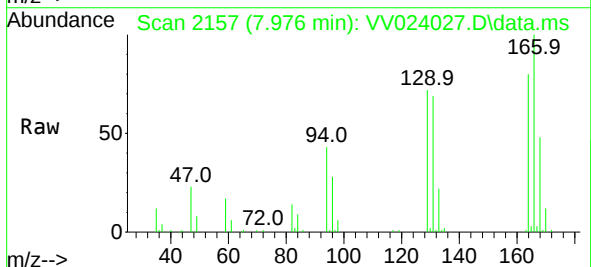
Instrument :
MSVOA_V
ClientSampleId :

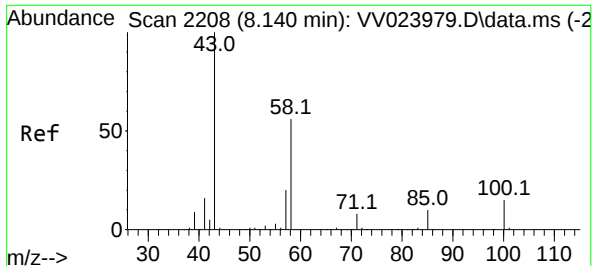
Tgt Ion: 97	Resp: 28018
Ion Ratio	Lower Upper
97 100	
99 61.4	43.1 80.1
83 83.7	57.9 107.5
85 53.1	38.0 70.6



#47
Tetrachloroethene
Concen: 5.118 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt	Ion:164	Resp:	36836
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.6	116.2
131	86.3	61.0	113.4
166	125.2	87.3	162.1





#48

2-Hexanone

Concen: 61.300 ug/L

RT: 8.140 min Scan# 21

Delta R.T. 0.000 min

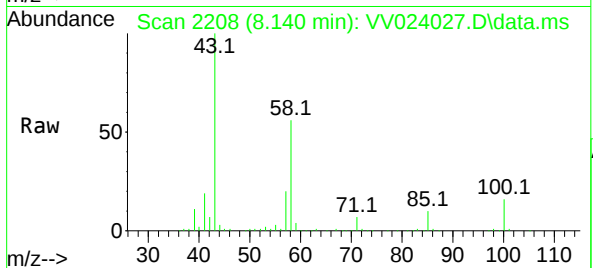
Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 147086

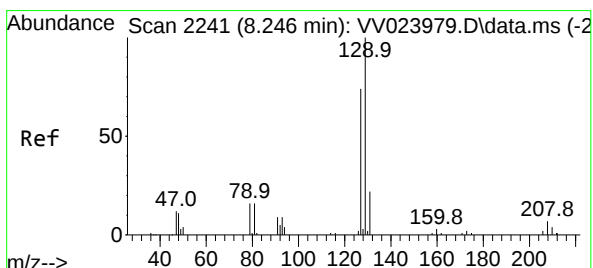
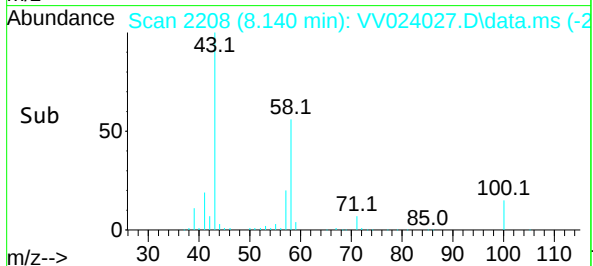
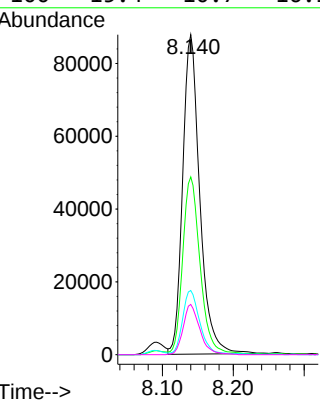
Ion Ratio Lower Upper

43 100

58 56.2 44.5 66.7

57 19.6 15.1 22.7

100 15.4 10.7 16.1



#49

Dibromochloromethane

Concen: 5.392 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VV024027.D

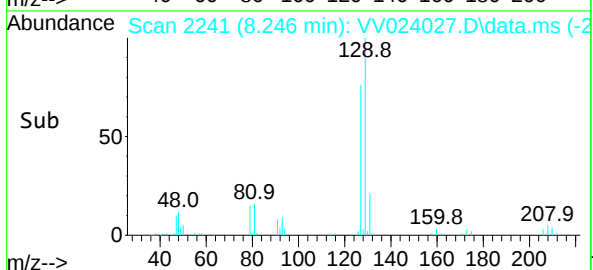
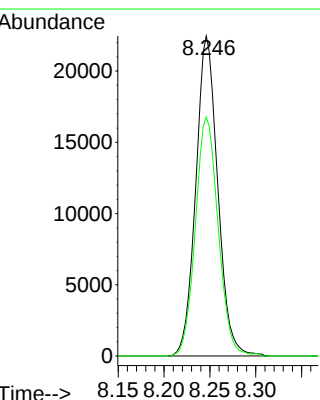
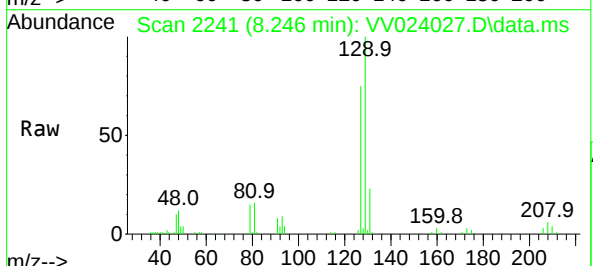
Acq: 16 Dec 2021 20:49

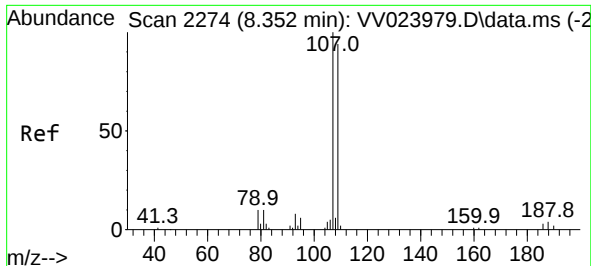
Tgt Ion:129 Resp: 37389

Ion Ratio Lower Upper

129 100

127 74.7 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.665 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024027.D

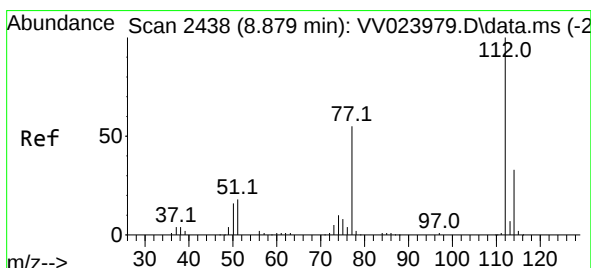
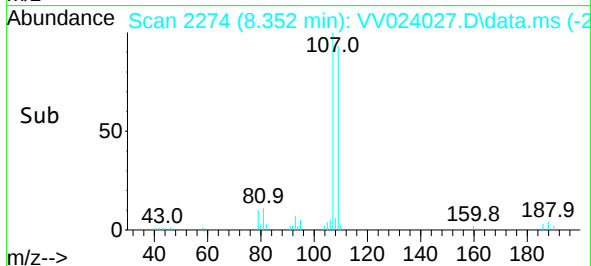
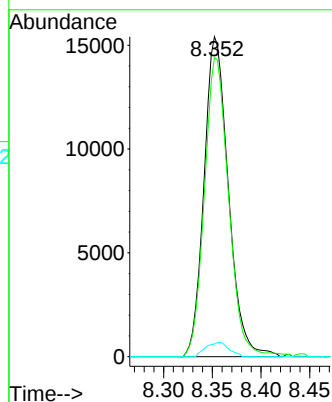
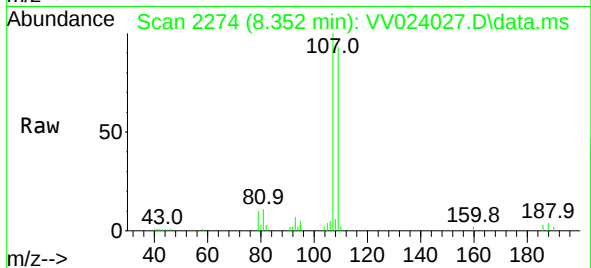
Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	26805
Ion	Ratio	Lower	Upper
107	100		
109	93.4	62.5	116.1
188	4.0	3.4	5.2



#51

Chlorobenzene

Concen: 5.773 ug/L

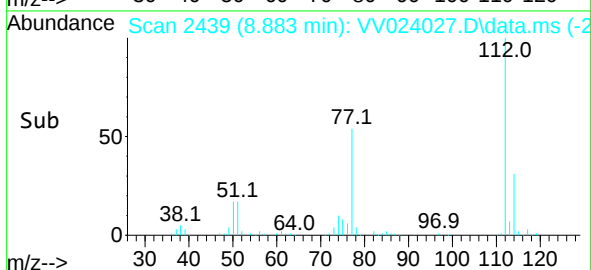
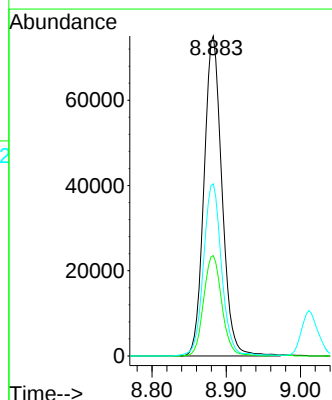
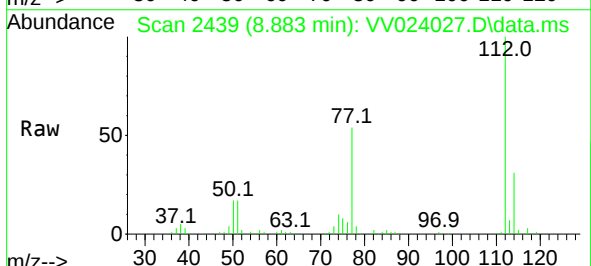
RT: 8.883 min Scan# 2439

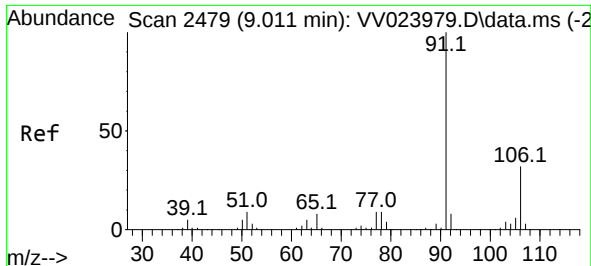
Delta R.T. 0.003 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Tgt Ion:	112	Resp:	125862
Ion	Ratio	Lower	Upper
112	100		
114	31.4	23.3	43.3
77	53.8	43.3	64.9





#52

Ethylbenzene

Concen: 5.290 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

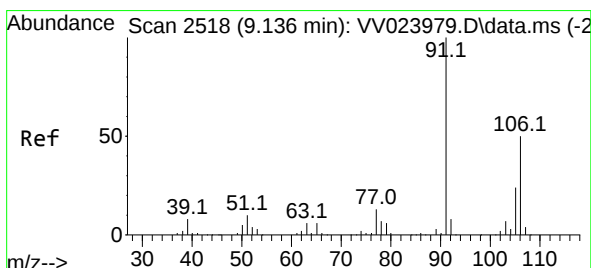
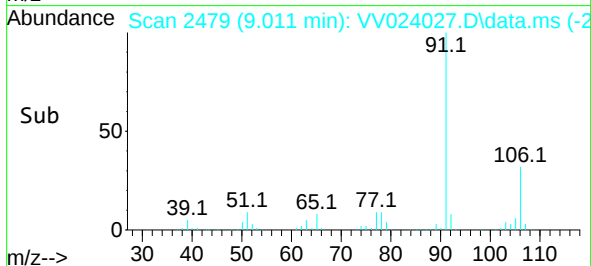
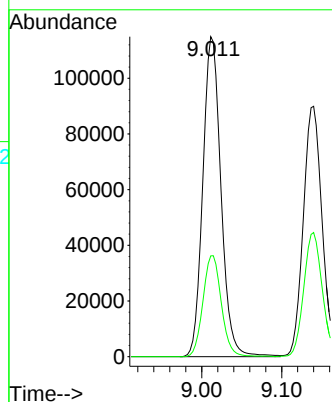
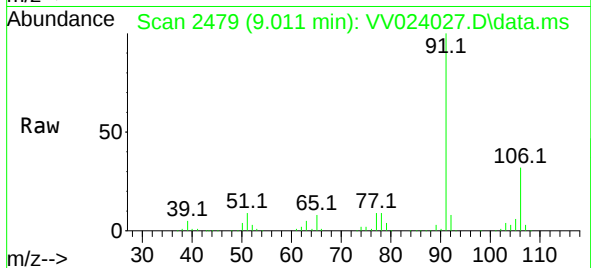
ClientSampleId :

Tgt Ion: 91 Resp: 182075

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



#53

m,p-xylene

Concen: 5.369 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024027.D

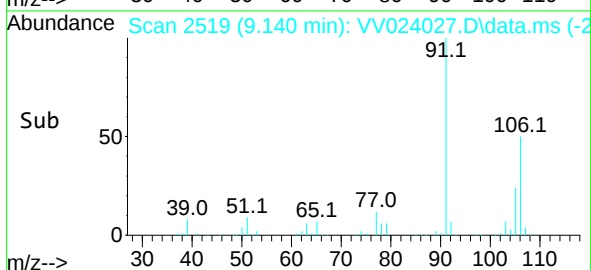
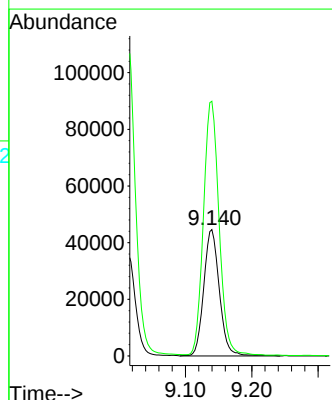
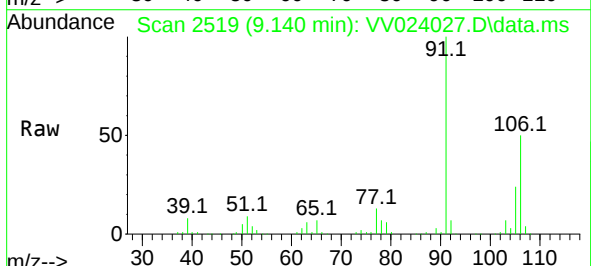
Acq: 16 Dec 2021 20:49

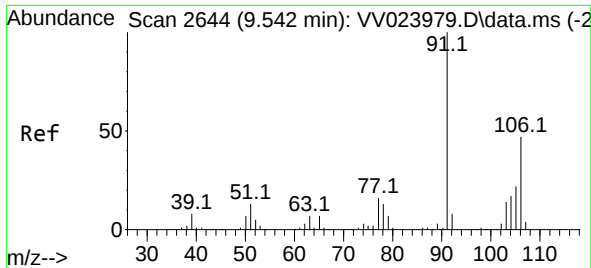
Tgt Ion: 106 Resp: 73074

Ion Ratio Lower Upper

106 100

91 201.6 139.5 259.1

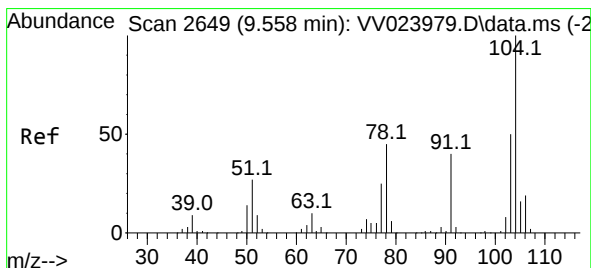
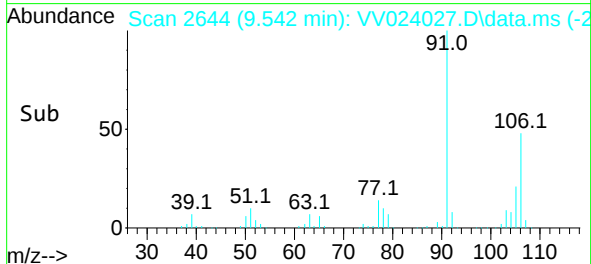
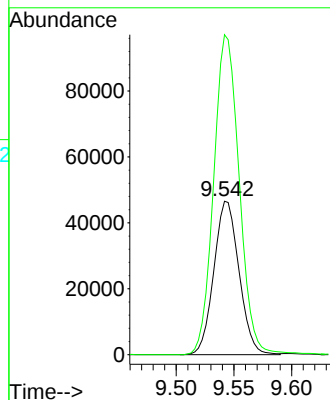
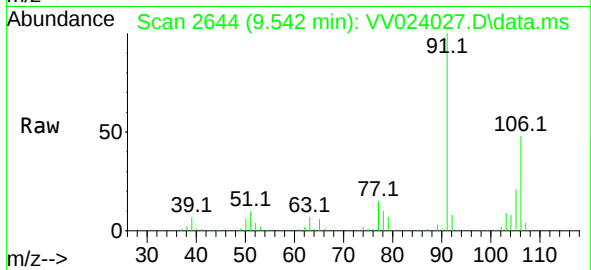




#54
o-xylene
Concen: 5.365 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

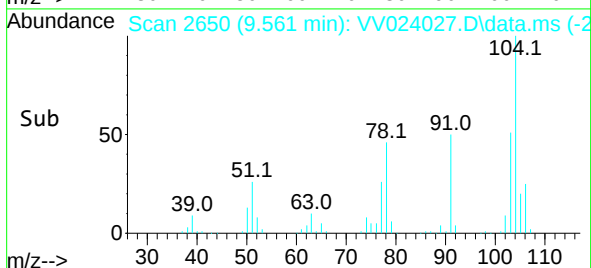
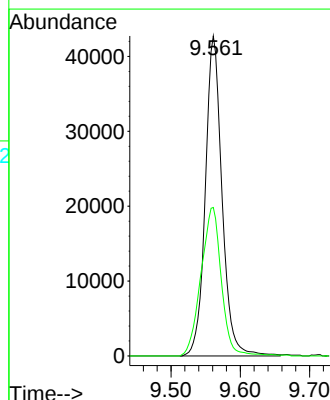
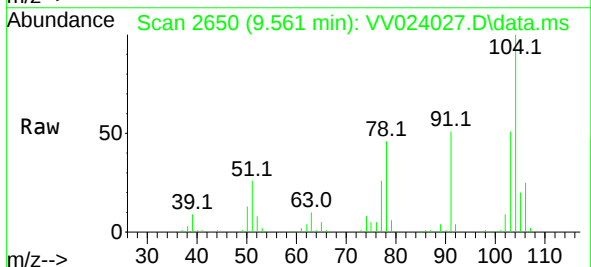
Instrument :
MSVOA_V
ClientSampleId :

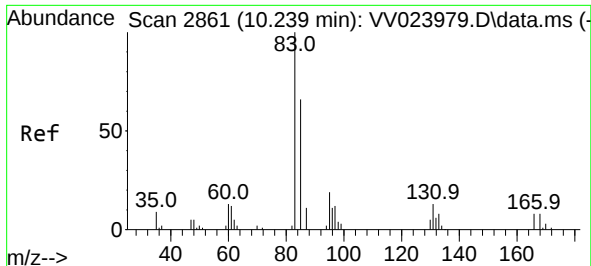
Tgt Ion:106 Resp: 70619
Ion Ratio Lower Upper
106 100
91 208.6 147.9 274.7



#55
Styrene
Concen: 3.270 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion:104 Resp: 71658
Ion Ratio Lower Upper
104 100
78 46.4 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.497 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

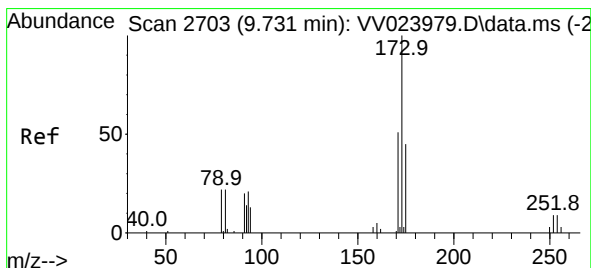
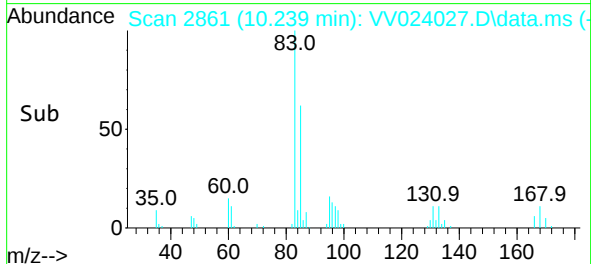
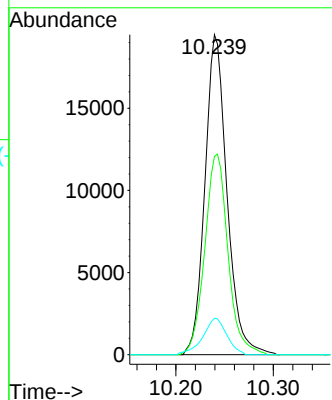
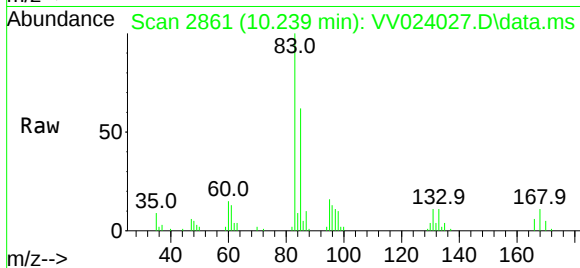
Tgt Ion: 83 Resp: 30676

Ion Ratio Lower Upper

83 100

85 61.9 44.6 82.8

131 11.4 8.3 12.5



#59

Bromoform

Concen: 5.017 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

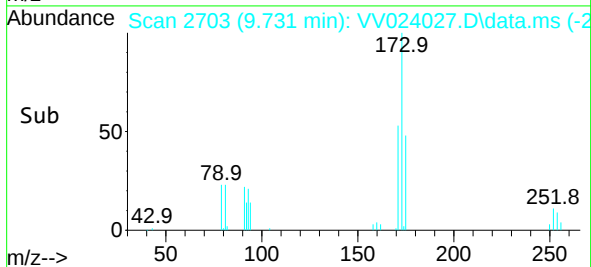
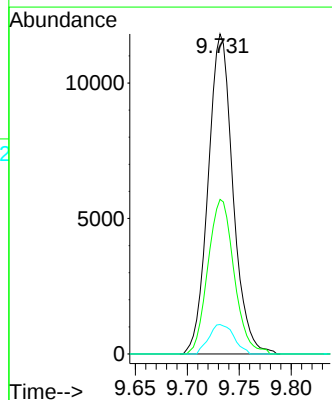
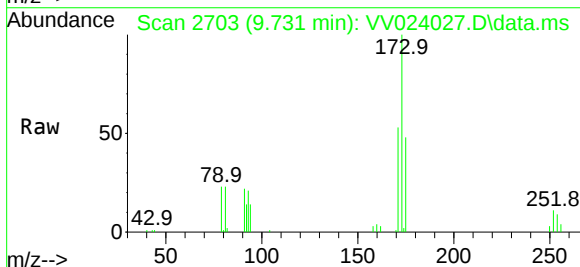
Tgt Ion: 173 Resp: 19629

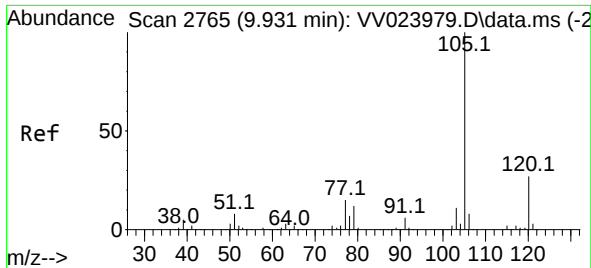
Ion Ratio Lower Upper

173 100

175 50.9 39.4 59.2

254 9.2 7.4 11.0

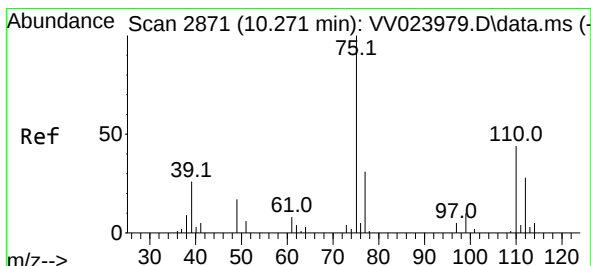
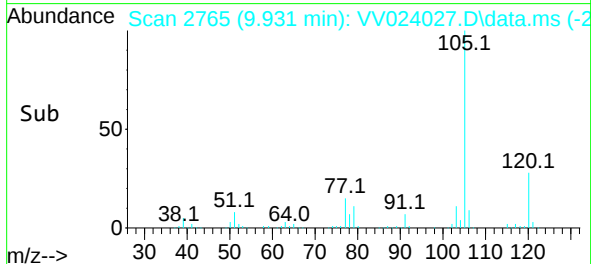
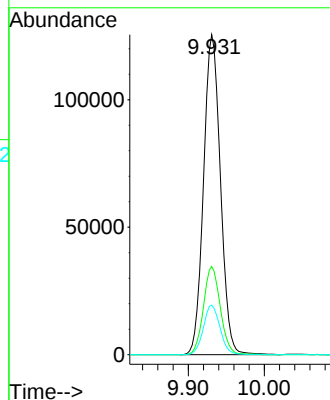
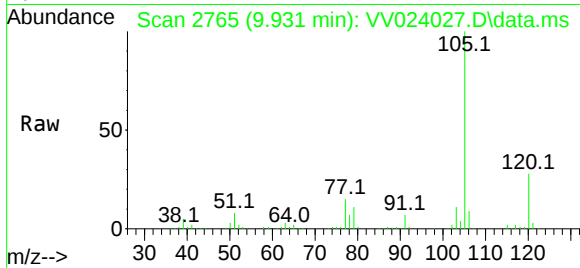




#60
Isopropylbenzene
Concen: 5.414 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

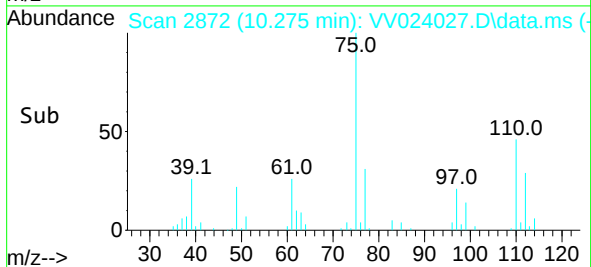
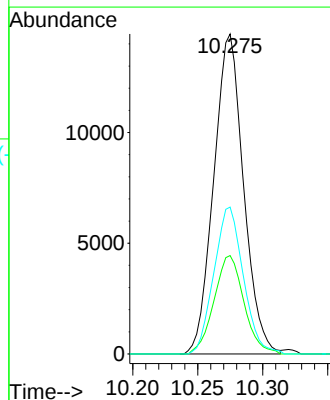
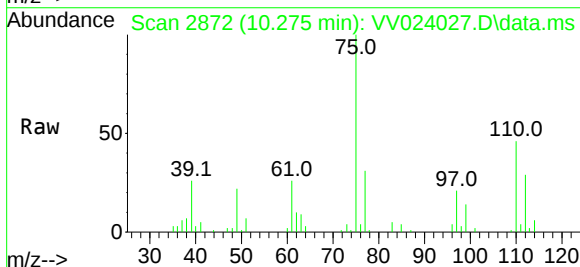
Instrument :
MSVOA_V
ClientSampleId :

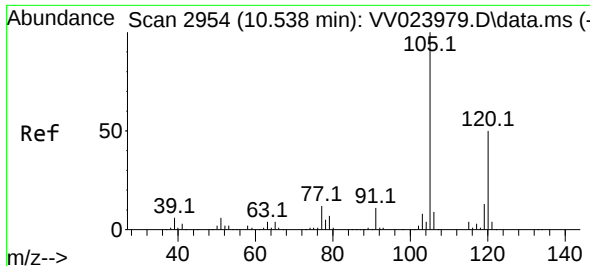
Tgt Ion:105 Resp: 193791
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.0
77 15.2 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.543 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion: 75 Resp: 23020
Ion Ratio Lower Upper
75 100
77 30.9 26.4 39.6
110 45.3 34.2 51.2

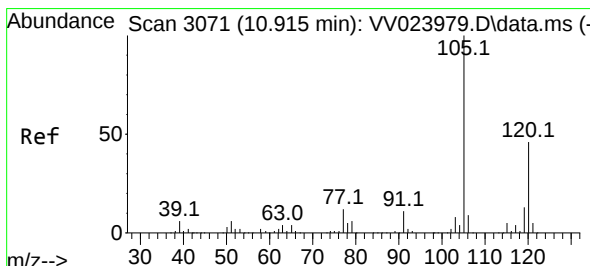
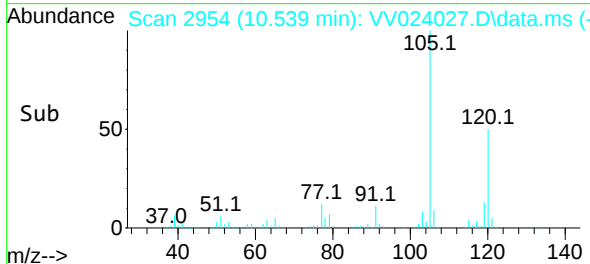
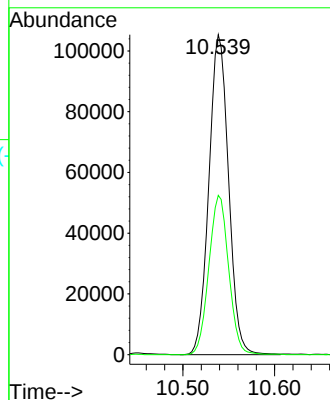
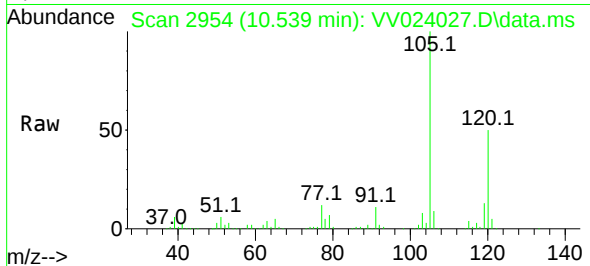




#62
1,3,5-Trimethylbenzene
Concen: 5.273 ug/L
RT: 10.539 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

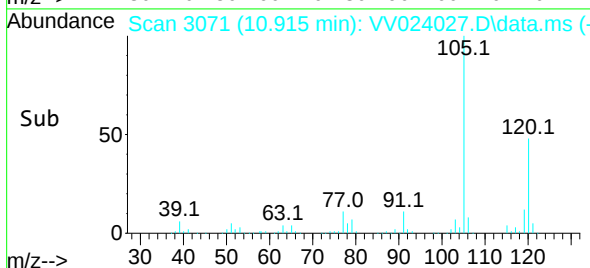
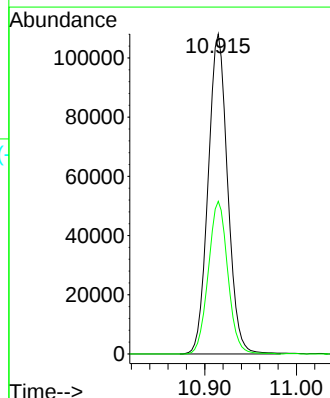
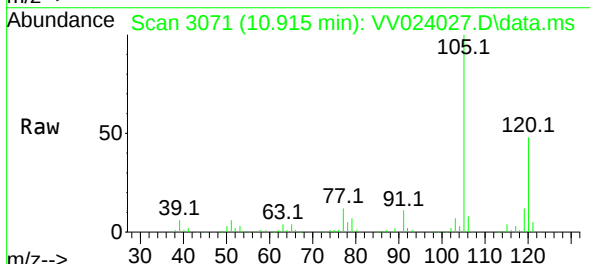
Instrument :
MSVOA_V
ClientSampleId :

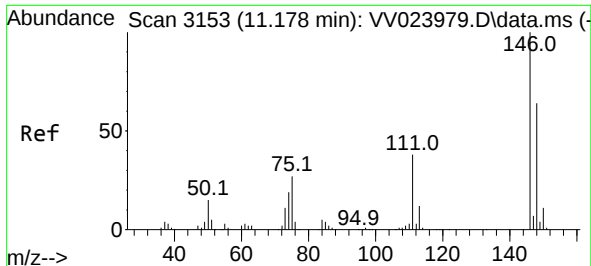
Tgt Ion:105 Resp: 156570
Ion Ratio Lower Upper
105 100
120 50.1 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 5.397 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion:105 Resp: 159658
Ion Ratio Lower Upper
105 100
120 47.6 36.7 55.1

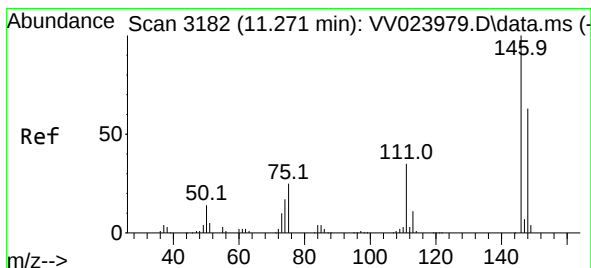
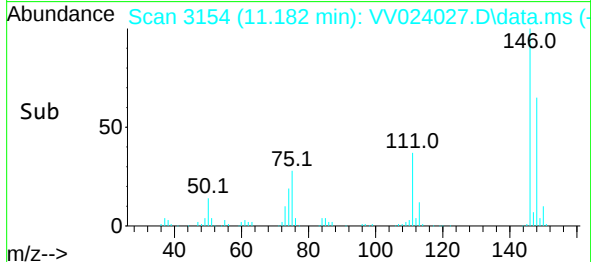
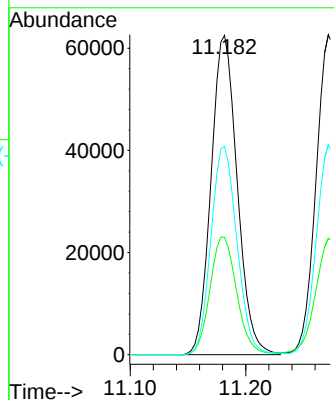
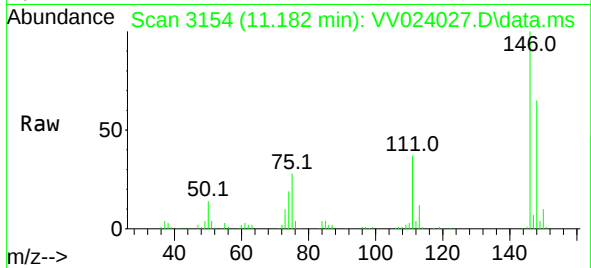




#64
1,3-Dichlorobenzene
Concen: 5.371 ug/L
RT: 11.182 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

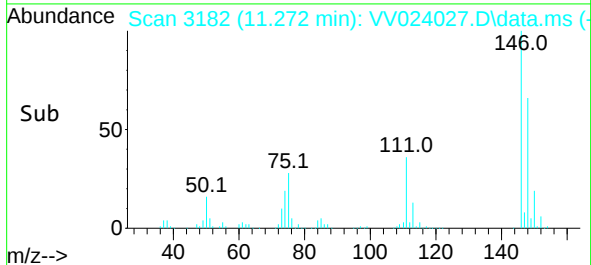
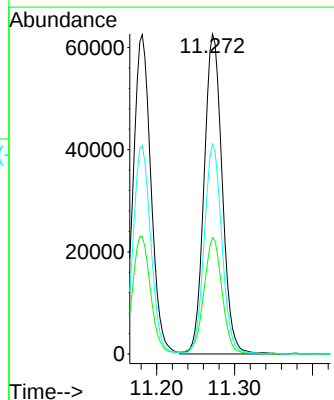
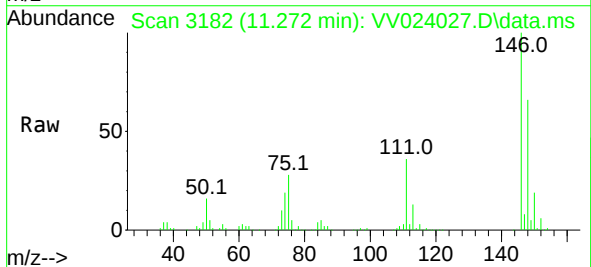
Instrument :
MSVOA_V
ClientSampleId :

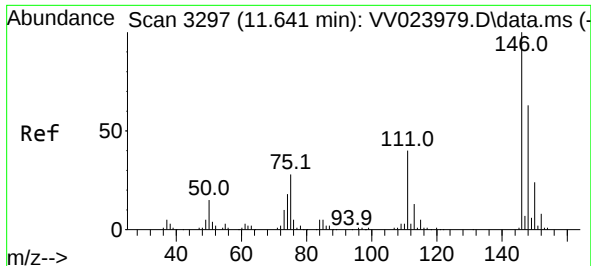
Tgt Ion:146 Resp: 98329
Ion Ratio Lower Upper
146 100
111 36.8 26.3 48.9
148 65.2 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.483 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

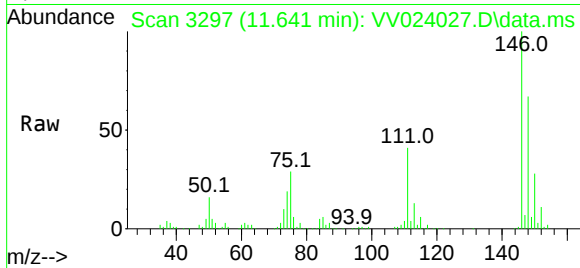
Tgt Ion:146 Resp: 100815
Ion Ratio Lower Upper
146 100
111 36.4 25.6 47.6
148 65.6 44.8 83.2



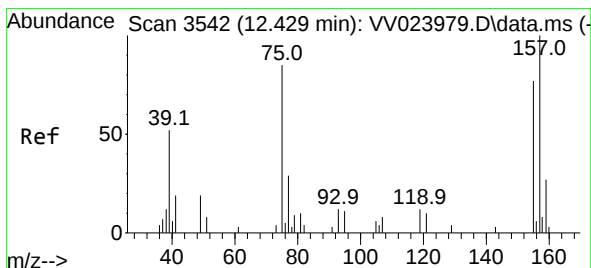
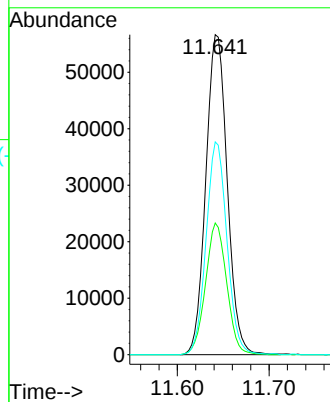
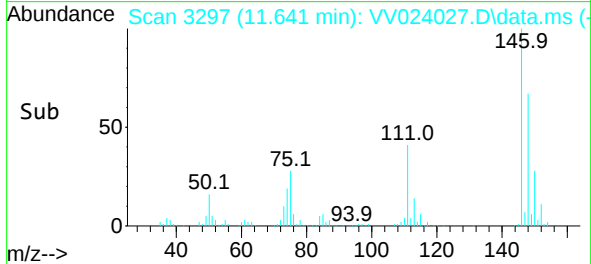


#67
1,2-Dichlorobenzene
Concen: 5.485 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

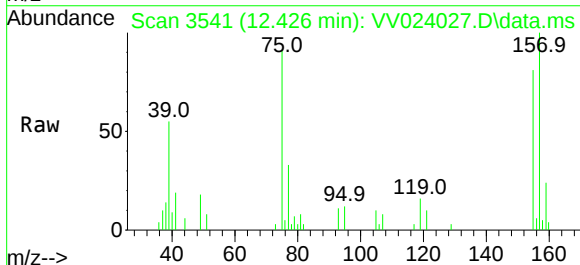
Instrument :
MSVOA_V
ClientSampleId :



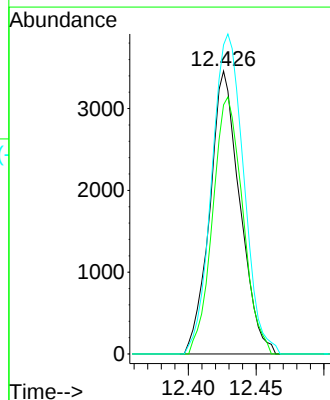
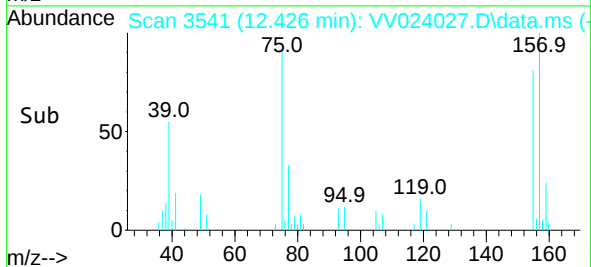
Tgt Ion:146 Resp: 91995
Ion Ratio Lower Upper
146 100
111 41.1 31.9 47.9
148 66.5 50.5 75.7

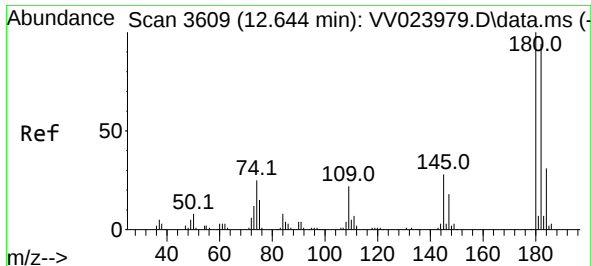


#68
1,2-Dibromo-3-chloropropane
Concen: 5.884 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49



Tgt Ion: 75 Resp: 5337
Ion Ratio Lower Upper
75 100
155 88.1 71.7 107.5
157 109.3 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 4.958 ug/L

RT: 12.645 min Scan# 3609

Delta R.T. 0.000 min

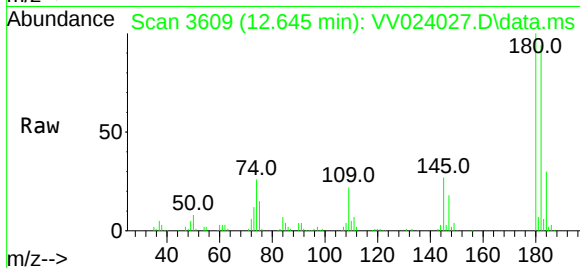
Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 74660

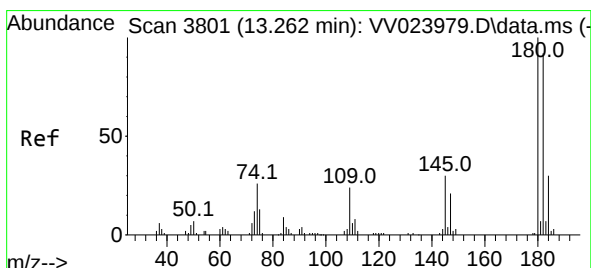
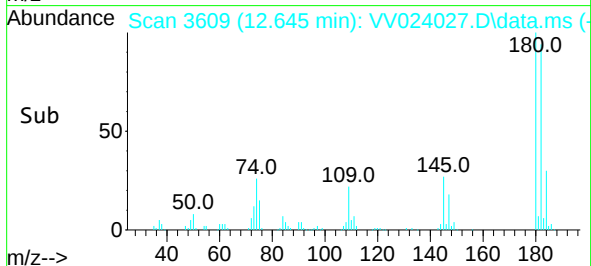
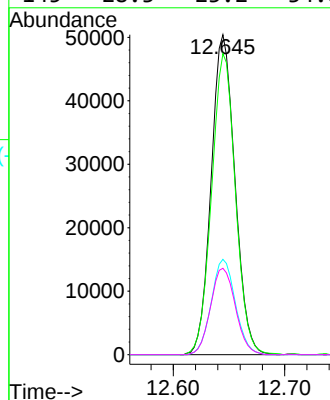
Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

184 30.3 24.2 36.4

145 28.3 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.992 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV024027.D

Acq: 16 Dec 2021 20:49

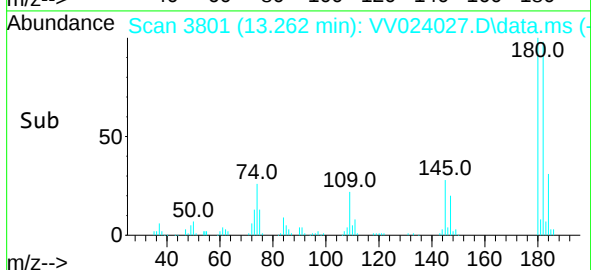
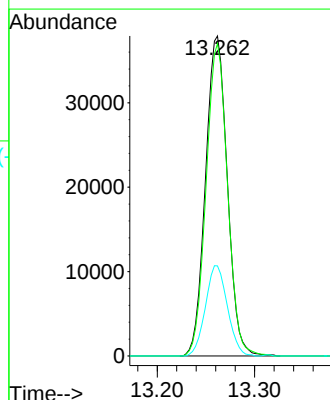
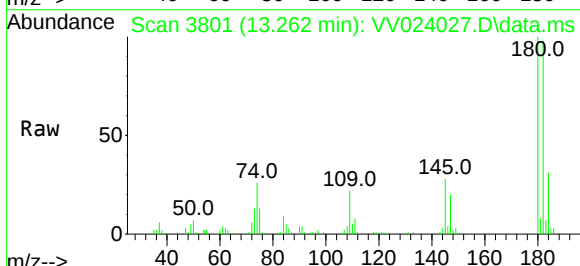
Tgt Ion:180 Resp: 59038

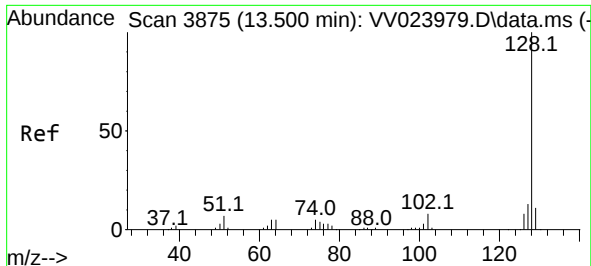
Ion Ratio Lower Upper

180 100

182 95.7 74.4 111.6

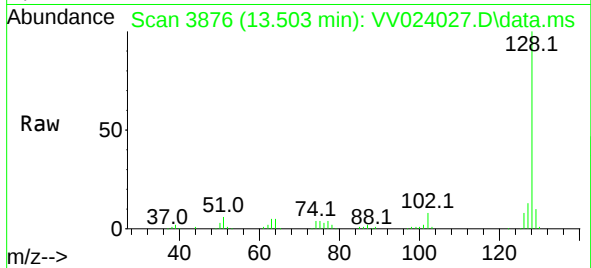
145 28.4 23.3 34.9



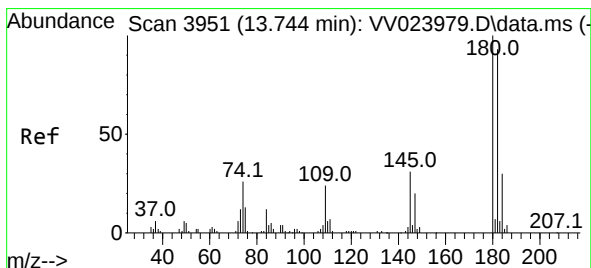
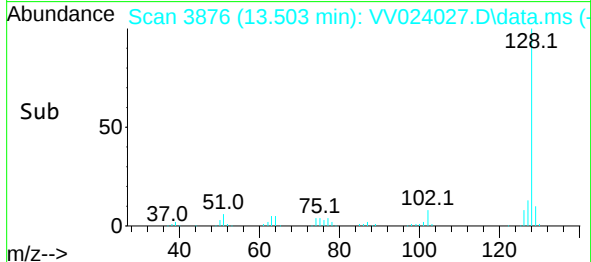
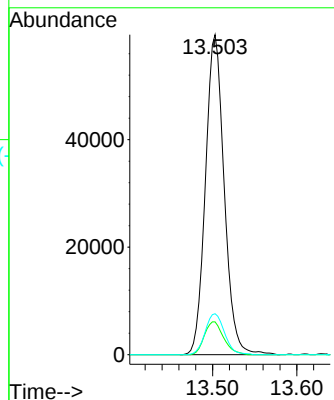


#71
Naphthalene
Concen: 5.430 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 92301
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.2 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.361 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV024027.D
Acq: 16 Dec 2021 20:49

Tgt Ion:180 Resp: 55975
Ion Ratio Lower Upper
180 100
182 92.3 76.8 115.2
145 31.4 25.8 38.6

