

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072222\
 Data File : VW026884.D
 Acq On : 22 Jul 2022 13:21
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 23 00:19:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 23 00:07:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	515602	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	519367	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	288775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	194249	44.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.840%
7) Chloroethane-d5	1.561	69	169529	48.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.920%
11) 1,1-Dichloroethene-d2	2.105	63	354530	45.570	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.140%
21) 2-Butanone-d5	3.876	46	370906	127.248	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.250%
24) Chloroform-d	4.342	84	438241	51.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.980%
26) 1,2-Dichloroethane-d4	5.024	65	267193	54.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.760%
32) Benzene-d6	5.043	84	842443	53.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.320%
36) 1,2-Dichloropropane-d6	6.066	67	274817	54.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.640%
41) Toluene-d8	7.313	98	739651	53.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.700%
43) trans-1,3-Dichloroprop...	7.619	79	120834	56.999	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.000%
47) 2-Hexanone-d5	8.085	63	288217	130.834	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.830%#
56) 1,1,2,2-Tetrachloroeth...	10.214	84	433047	56.344	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.680%
66) 1,2-Dichlorobenzene-d4	11.622	152	282093	52.070	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	219906	41.285	ug/L	100
3) Chloromethane	1.240	50	233387	46.854	ug/L	99
5) Vinyl chloride	1.307	62	227550	42.974	ug/L	100
6) Bromomethane	1.516	94	153411	47.949	ug/L	99
8) Chloroethane	1.580	64	145738	46.840	ug/L	98
9) Trichlorofluoromethane	1.748	101	306830	42.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	181867	42.612	ug/L	99
12) 1,1-Dichloroethene	2.114	96	177367	44.491	ug/L	93
13) Acetone	2.172	43	229419	112.095	ug/L	100
14) Carbon disulfide	2.288	76	512798	45.083	ug/L	100
15) Methyl Acetate	2.426	43	255467	56.591	ug/L	100
16) Methylene chloride	2.500	84	253586	49.902	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	200878	47.687	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	678327	57.968	ug/L	100
19) 1,1-Dichloroethane	3.182	63	386998	49.884	ug/L	100
20) cis-1,2-Dichloroethene	3.905	96	234503	52.823	ug/L	100
22) 2-Butanone	3.963	43	341994	122.518	ug/L	100
23) Bromochloromethane	4.240	128	134192	52.789	ug/L	98
25) Chloroform	4.368	83	412908	49.903	ug/L	100

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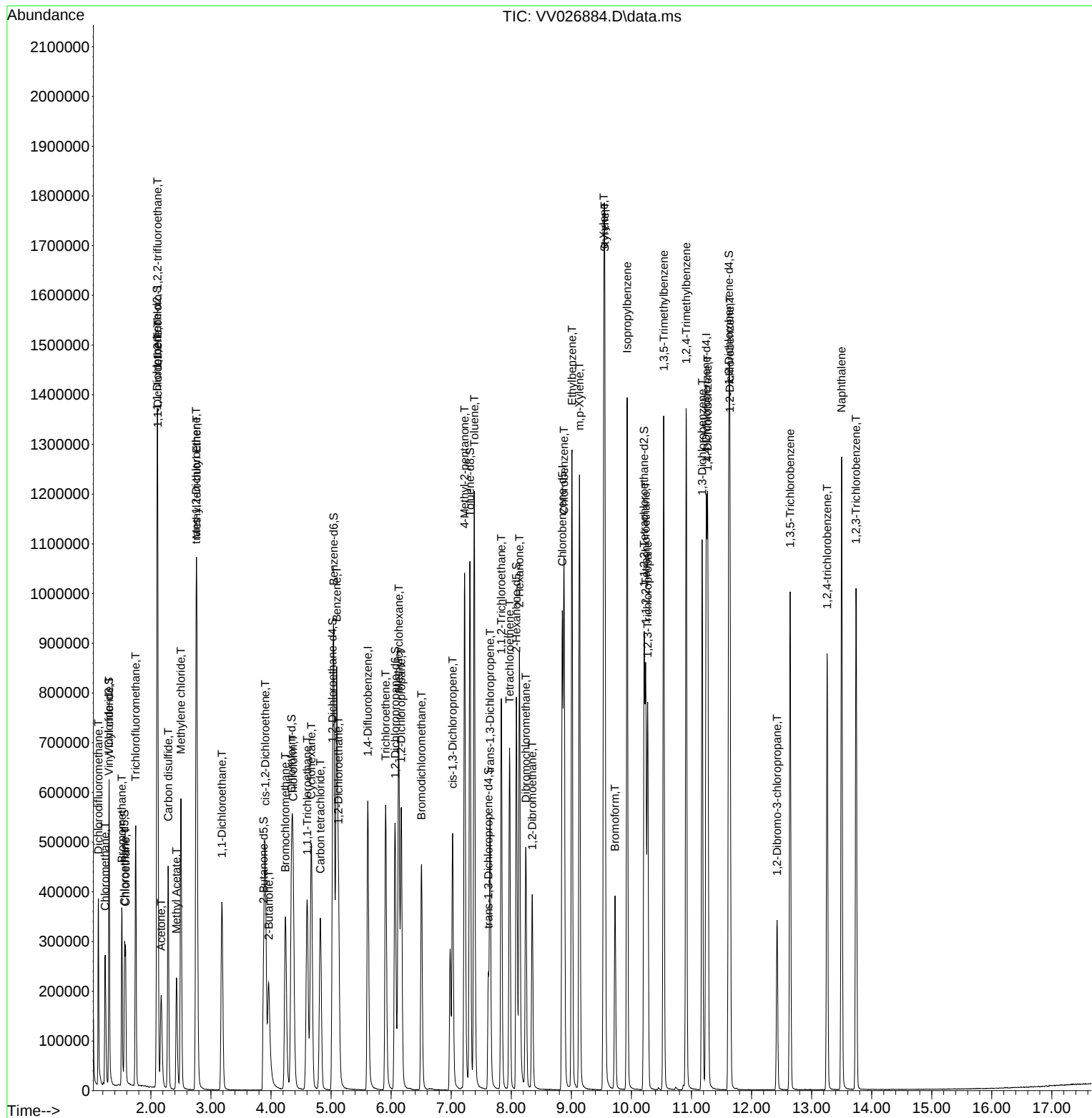
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	310007	53.095	ug/L	99
29) Cyclohexane	4.670	56	262901	48.407	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	318616	46.432	ug/L	99
31) Carbon tetrachloride	4.822	117	270172	44.968	ug/L	100
33) Benzene	5.095	78	872062	52.212	ug/L	100
34) Trichloroethene	5.908	95	209403	48.789	ug/L	99
35) Methylcyclohexane	6.127	83	301465	47.438	ug/L	100
37) 1,2-Dichloropropane	6.169	63	237849	54.715	ug/L	100
38) Bromodichloromethane	6.506	83	311180	52.813	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	332755	55.155	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	650009	125.649	ug/L	99
42) Toluene	7.384	91	892003	52.322	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	325560	54.720	ug/L	97
45) 1,1,2-Trichloroethane	7.834	97	251558	54.340	ug/L	99
46) Tetrachloroethene	7.973	164	154852	46.251	ug/L	97
48) 2-Hexanone	8.136	43	518336	128.737	ug/L	98
49) Dibromochloromethane	8.243	129	255423	52.789	ug/L	99
50) 1,2-Dibromoethane	8.349	107	263969	55.733	ug/L	99
51) Chlorobenzene	8.879	112	586150	49.326	ug/L	100
52) Ethylbenzene	9.011	91	889497	50.265	ug/L	100
53) m,p-Xylene	9.136	106	352919	50.934	ug/L	97
54) o-Xylene	9.542	106	346066	51.858	ug/L	99
55) Styrene	9.558	104	645567	54.776	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	411162	55.021	ug/L	99
59) Bromoform	9.728	173	172518	53.473	ug/L	99
60) Isopropylbenzene	9.931	105	870728	51.023	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	320966	55.390	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	714280	51.499	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	738273	53.068	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	443321	50.844	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	457295	49.496	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	459993	51.419	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	87328	56.408	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	304762	49.372	ug/L	100
70) 1,2,4-trichlorobenzene	13.258	180	264975	50.948	ug/L	100
71) Naphthalene	13.500	128	959209	58.650	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	296093	54.578	ug/L	100

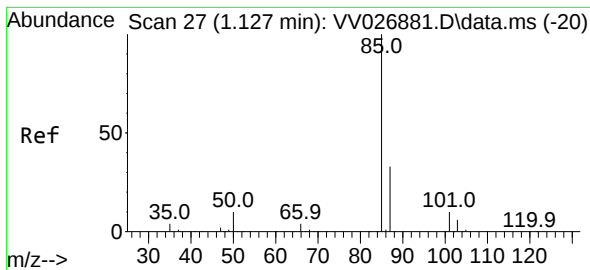
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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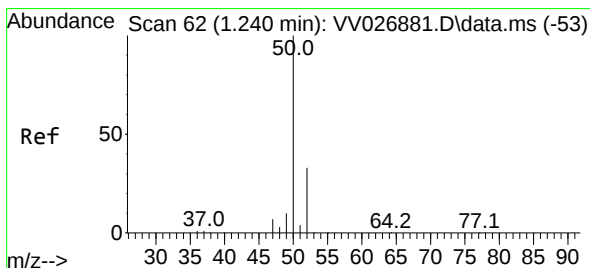
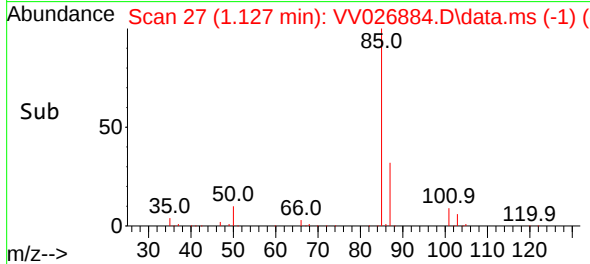
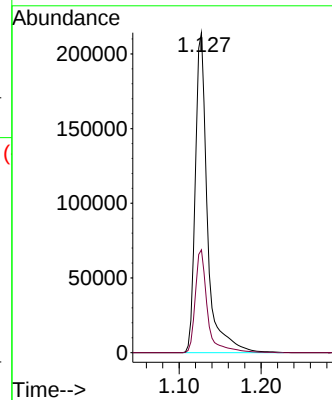
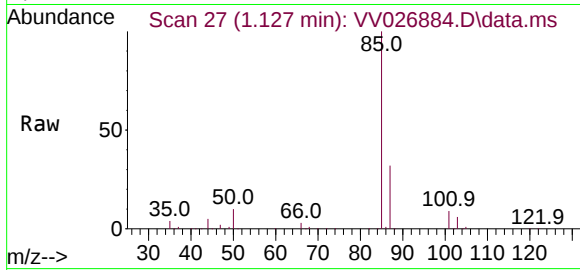




#2
 Dichlorodifluoromethane
 Concen: 41.285 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

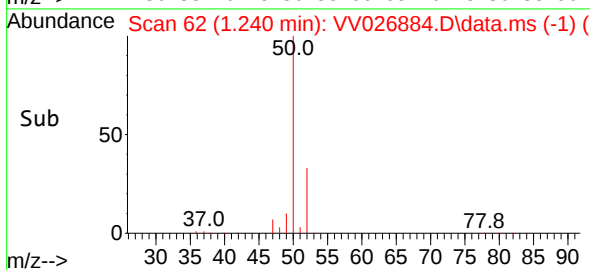
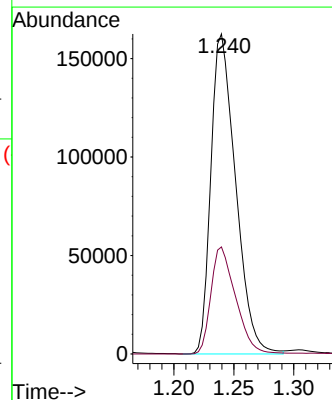
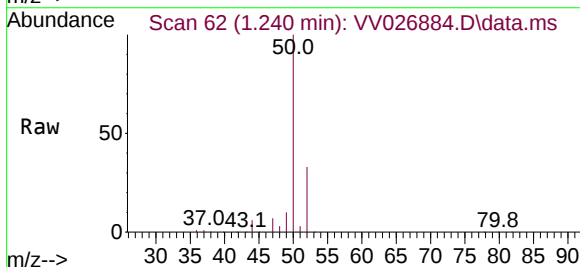
Instrument :
 MSVOA_V
 ClientSampleId :

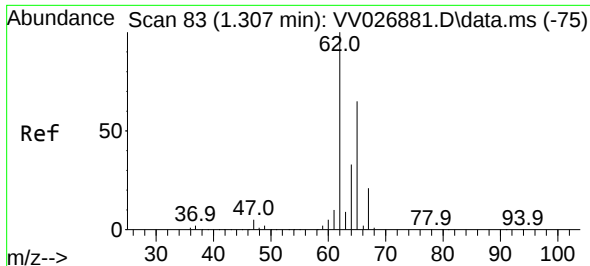
Tgt Ion: 85 Resp: 219906
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.1 39.1



#3
 Chloromethane
 Concen: 46.854 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

Tgt Ion: 50 Resp: 233387
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.1 42.9

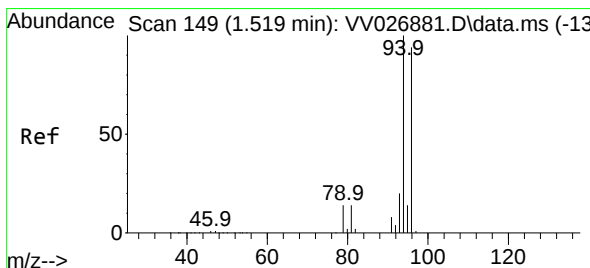
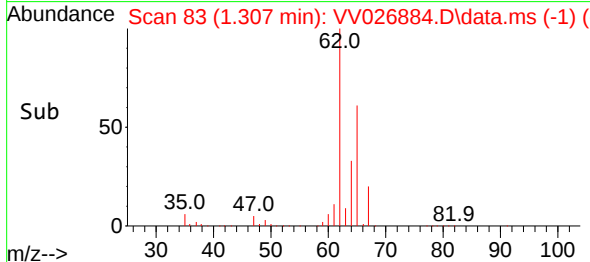
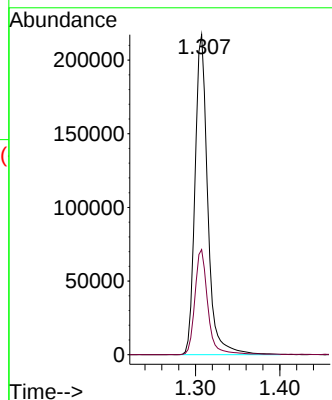
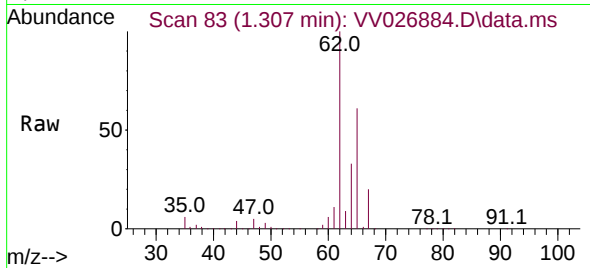




#5
 Vinyl chloride
 Concen: 42.974 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

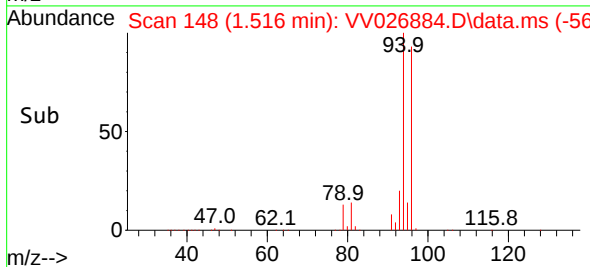
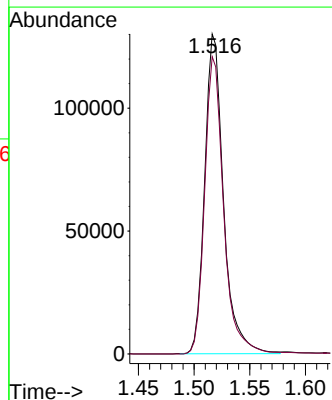
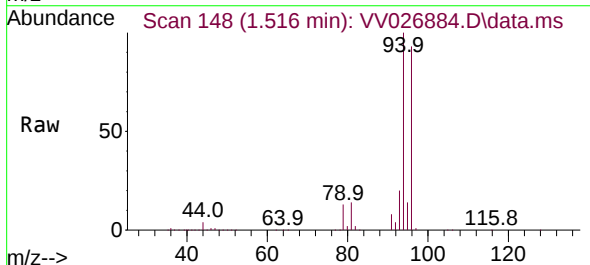
Instrument :
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 ClientSampleId :

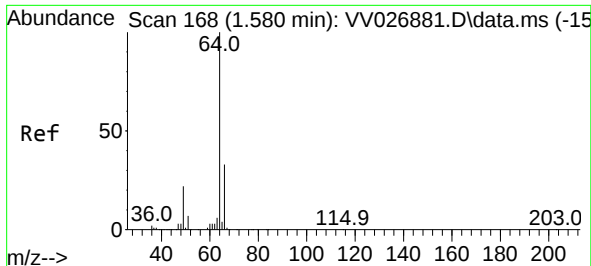
Tgt Ion: 62 Resp: 227550
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.6



#6
 Bromomethane
 Concen: 47.949 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

Tgt Ion: 94 Resp: 153411
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.8 122.2

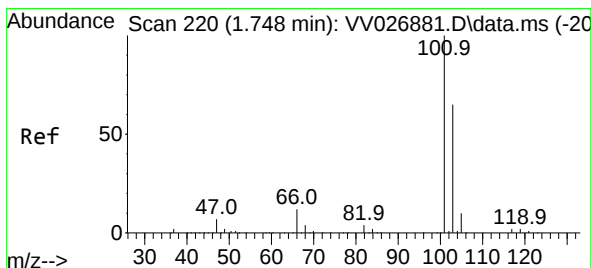
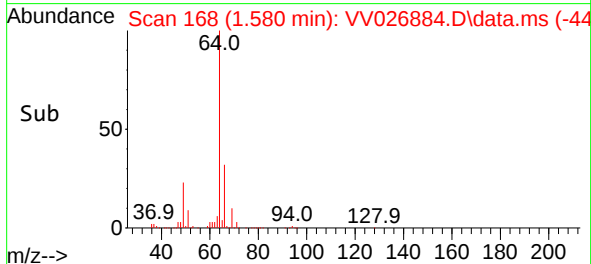
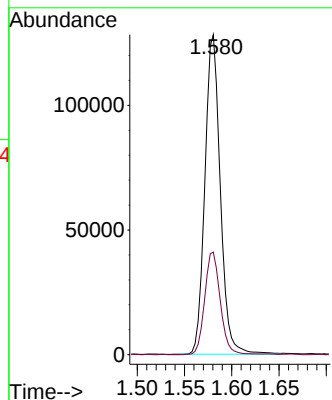
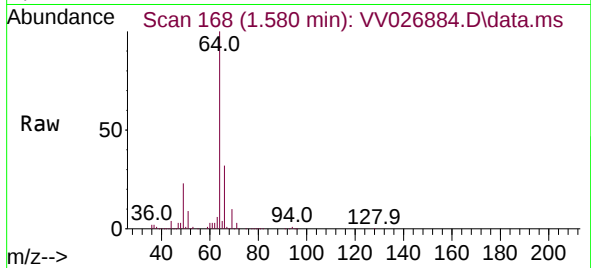




#8
Chloroethane
Concen: 46.840 ug/L
RT: 1.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

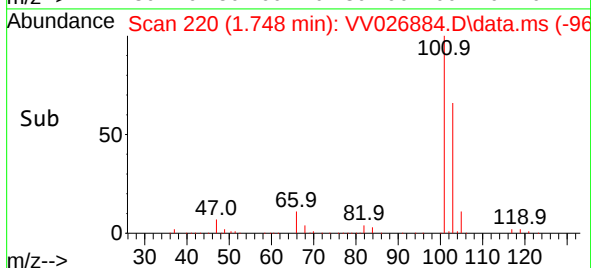
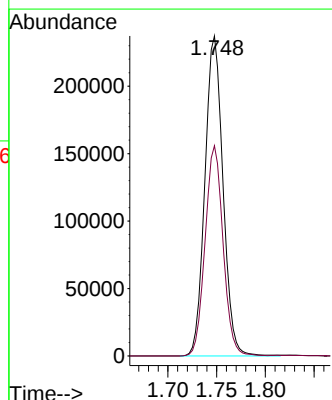
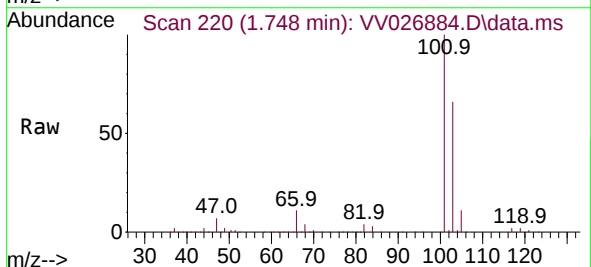
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ClientSampleId :

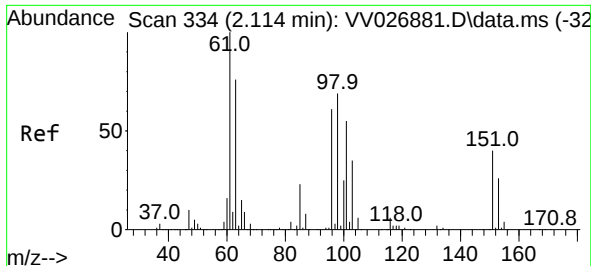
Tgt Ion: 64 Resp: 145738
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 42.046 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion:101 Resp: 306830
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

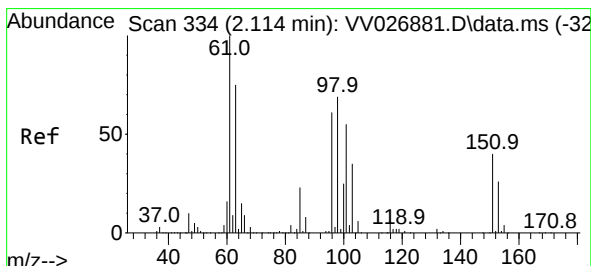
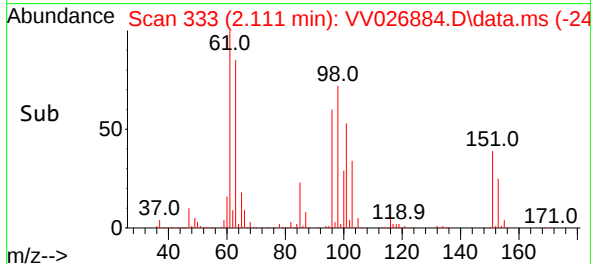
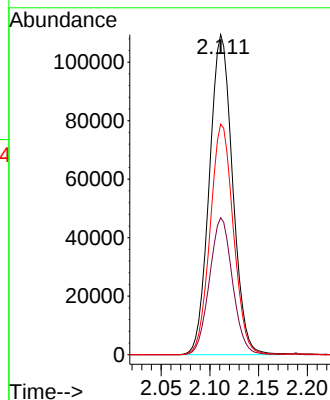
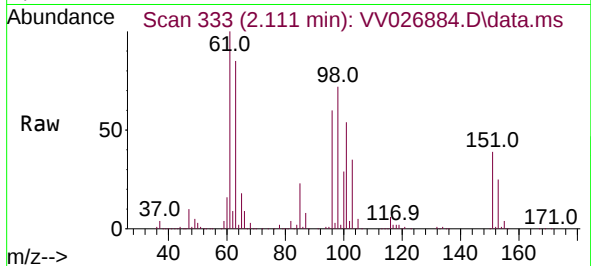




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.612 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

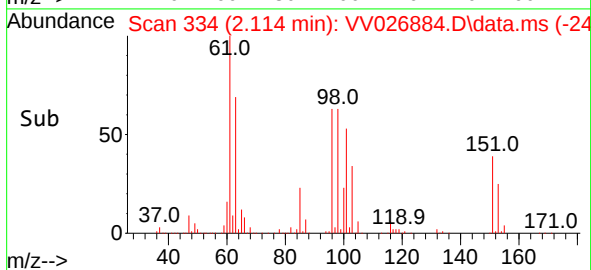
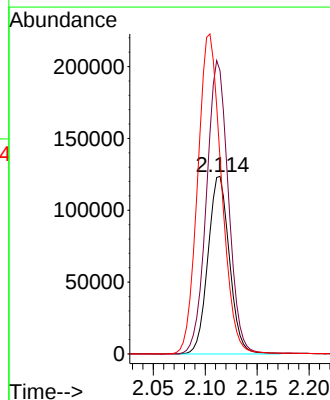
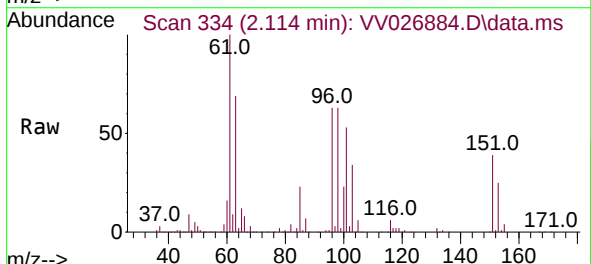
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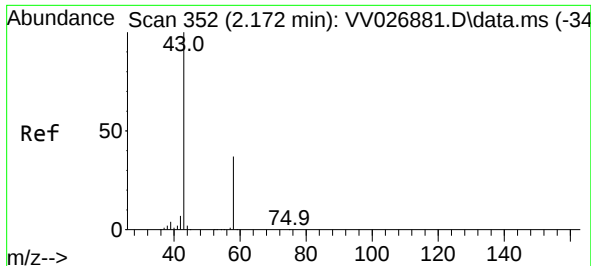
Tgt Ion:101 Resp: 181867
 Ion Ratio Lower Upper
 101 100
 85 42.4 33.1 49.7
 151 72.0 57.1 85.7



#12
 1,1-Dichloroethene
 Concen: 44.491 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

Tgt Ion: 96 Resp: 177367
 Ion Ratio Lower Upper
 96 100
 61 159.5 114.2 212.0
 63 109.9 87.0 161.6





#13

Acetone

Concen: 112.095 ug/L

RT: 2.172 min Scan# 352

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

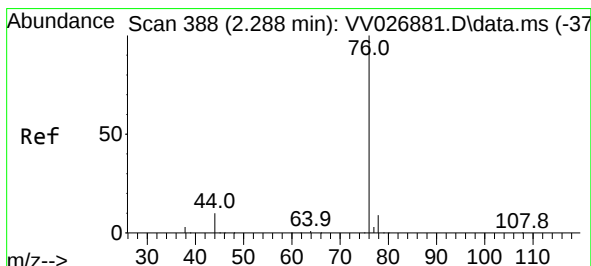
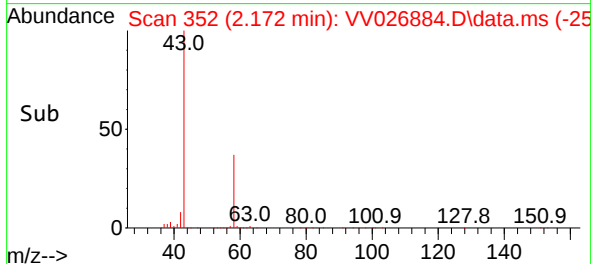
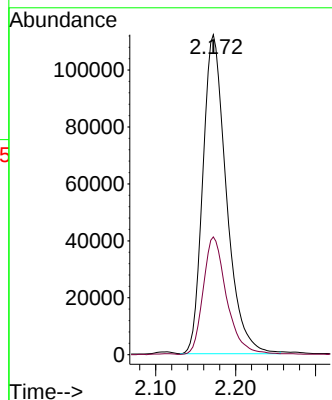
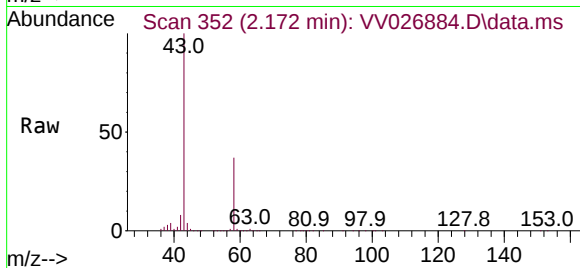
ClientSampleId :

Tgt Ion: 43 Resp: 229419

Ion Ratio Lower Upper

43 100

58 36.6 0.0 72.6



#14

Carbon disulfide

Concen: 45.083 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

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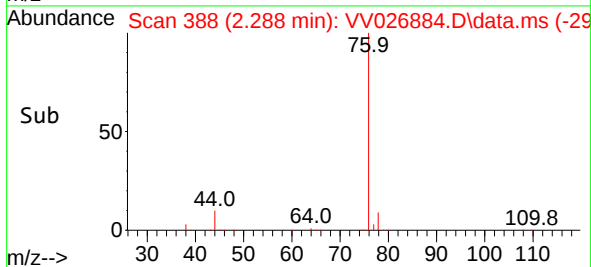
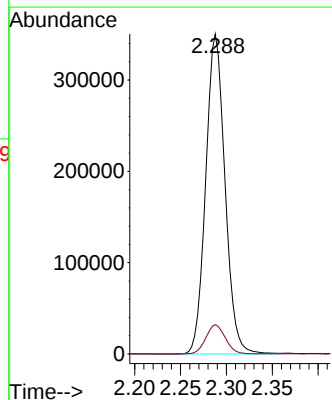
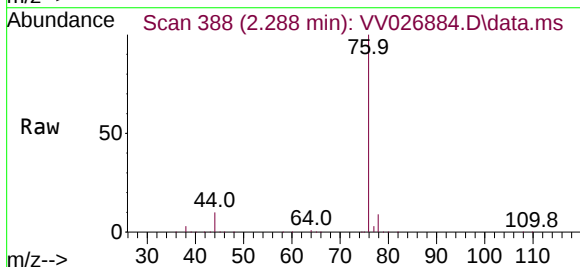
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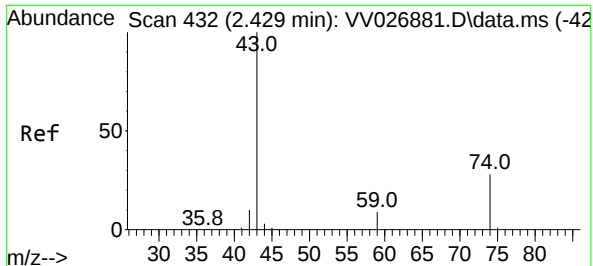
Tgt Ion: 76 Resp: 512798

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

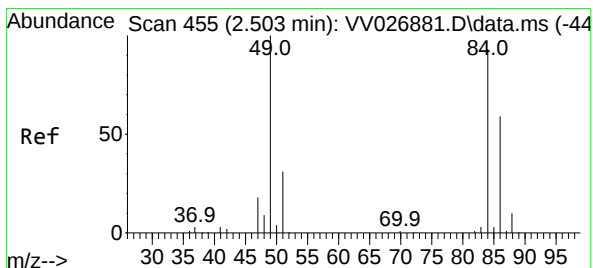
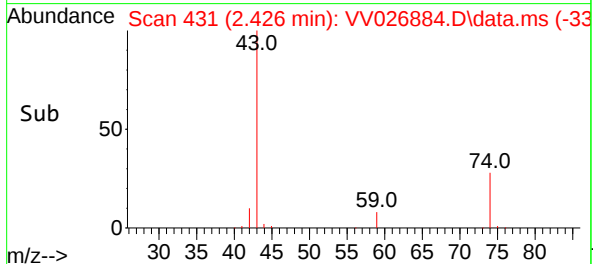
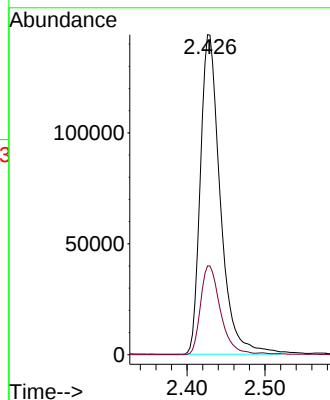
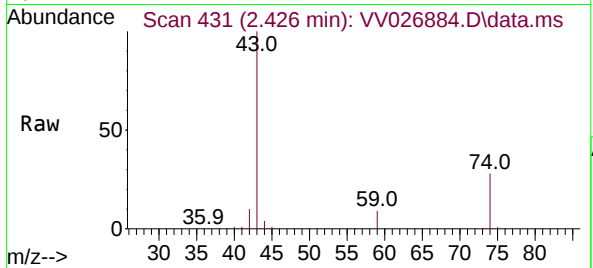




#15
Methyl Acetate
Concen: 56.591 ug/L
RT: 2.426 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

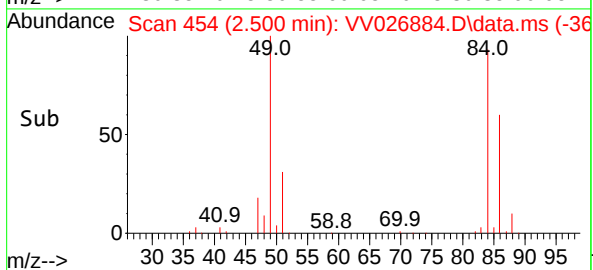
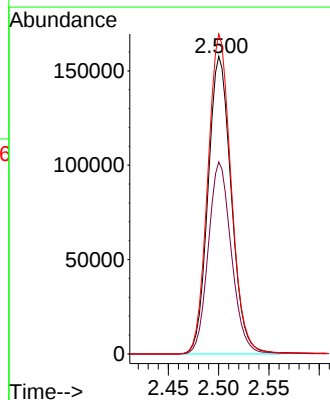
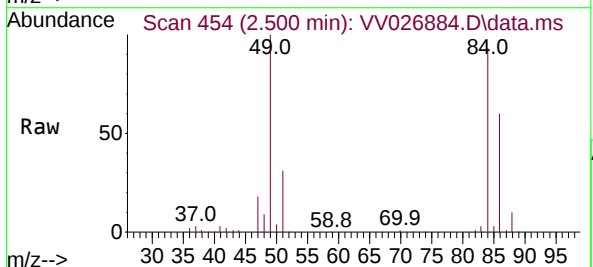
Instrument :
MSVOA_V
ClientSampleId :

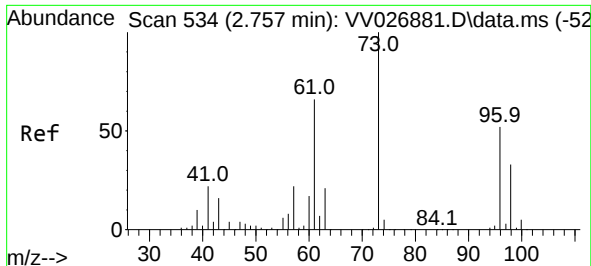
Tgt Ion: 43 Resp: 255467
Ion Ratio Lower Upper
43 100
74 27.7 22.1 33.1



#16
Methylene chloride
Concen: 49.902 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 84 Resp: 253586
Ion Ratio Lower Upper
84 100
86 64.5 44.5 82.7
49 107.5 75.0 139.2





#17

trans-1,2-Dichloroethene

Concen: 47.687 ug/L

RT: 2.754 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

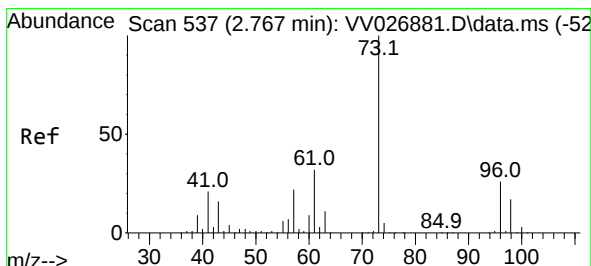
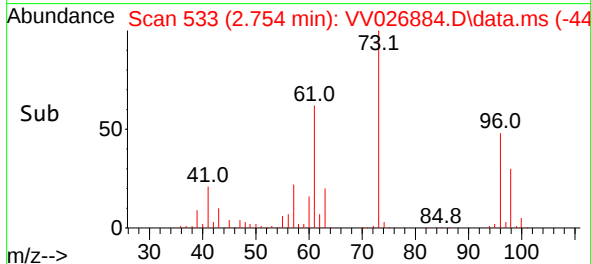
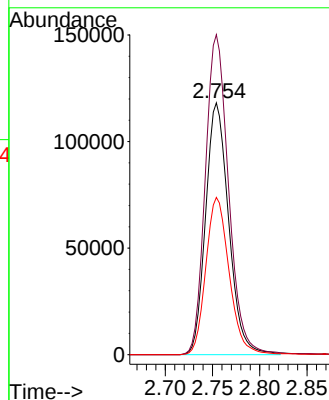
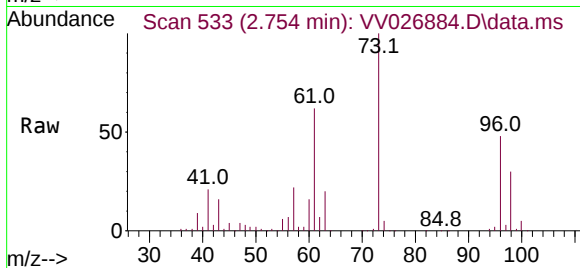
Tgt Ion: 96 Resp: 200878

Ion Ratio Lower Upper

96 100

61 127.1 89.2 165.6

98 62.5 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 57.968 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

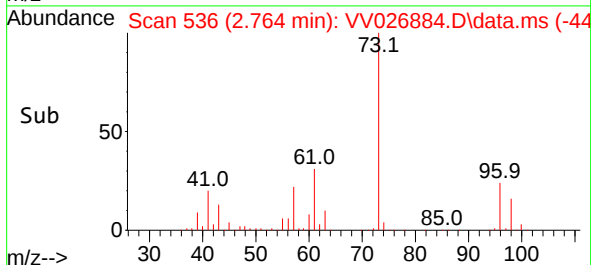
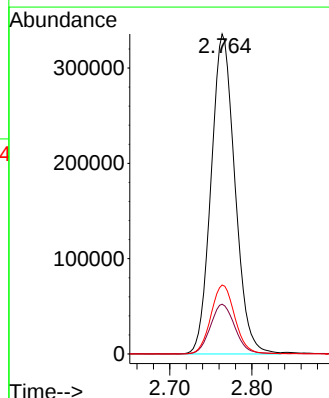
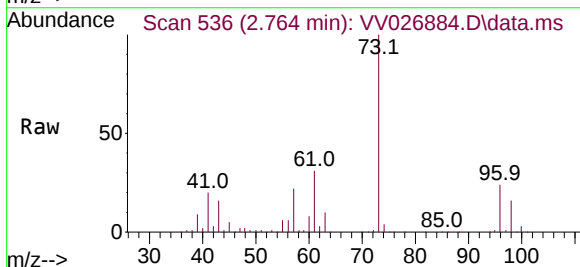
Tgt Ion: 73 Resp: 678327

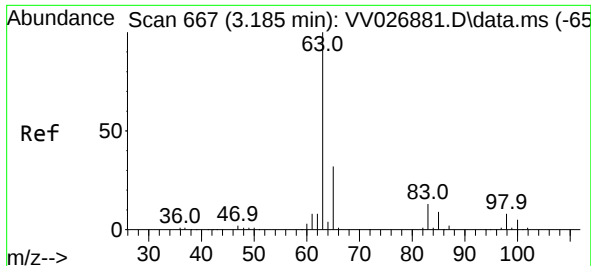
Ion Ratio Lower Upper

73 100

43 15.8 12.8 19.2

57 21.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 49.884 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

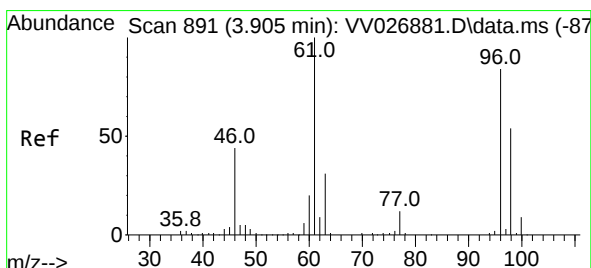
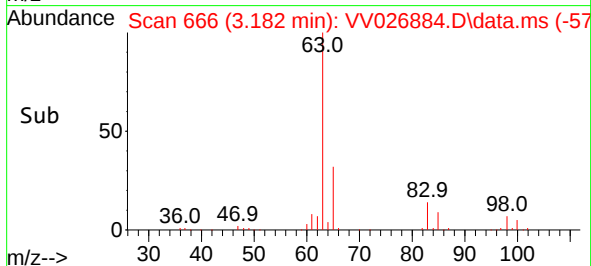
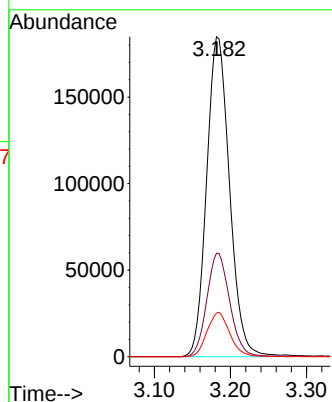
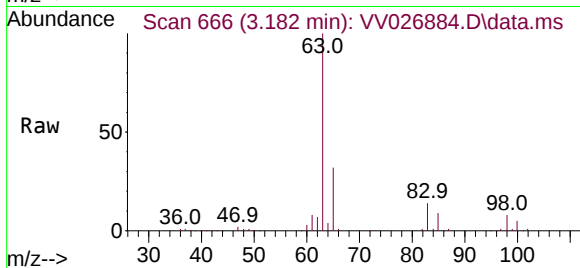
Tgt Ion: 63 Resp: 386998

Ion Ratio Lower Upper

63 100

65 32.4 22.6 42.0

83 13.7 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 52.823 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

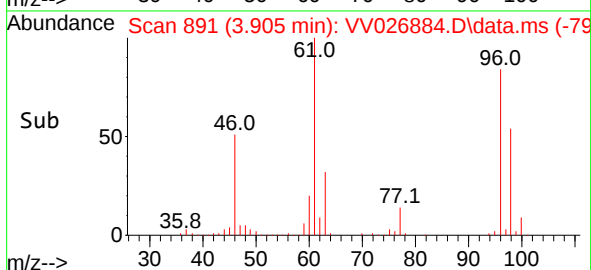
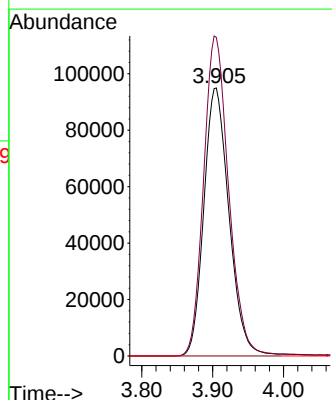
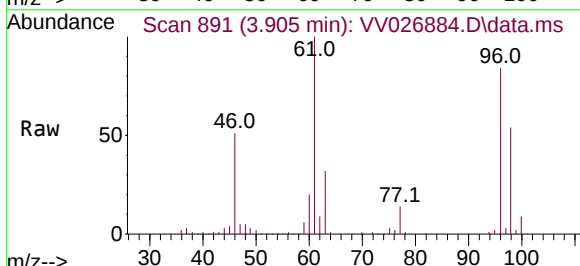
Tgt Ion: 96 Resp: 234503

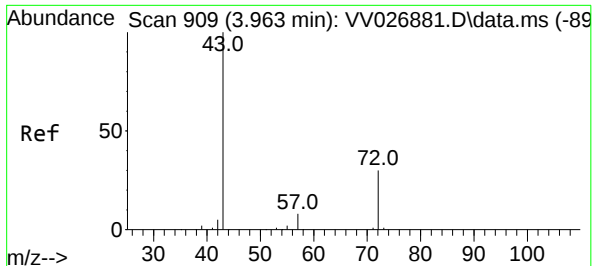
Ion Ratio Lower Upper

96 100

61 118.9 83.0 154.1

68 0.0 0.0 0.0

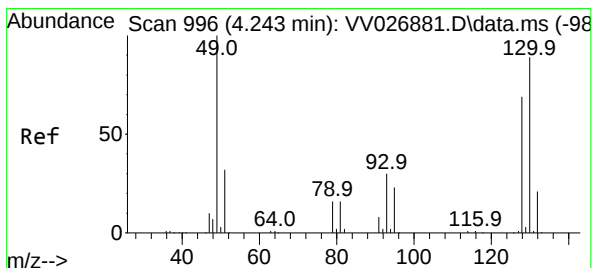
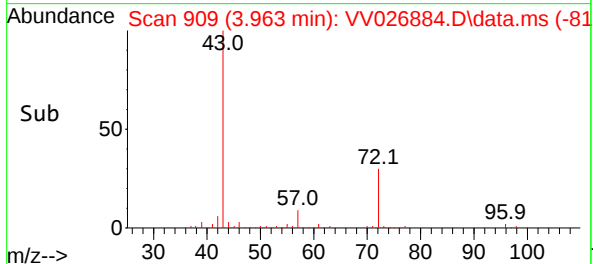
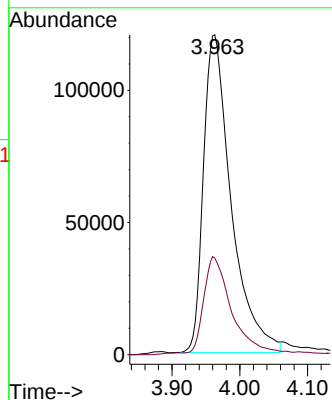
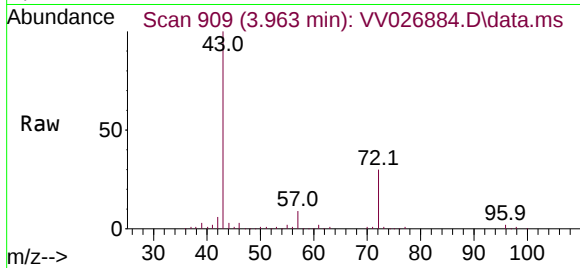




#22
2-Butanone
Concen: 122.518 ug/L
RT: 3.963 min Scan# 909
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

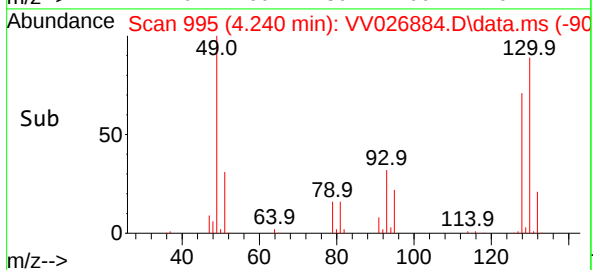
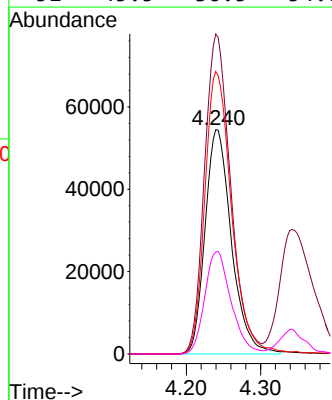
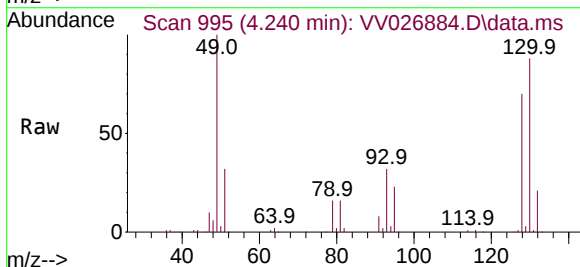
Instrument :
MSVOA_V
ClientSampleId :

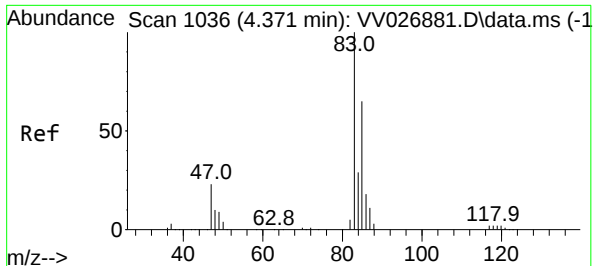
Tgt Ion: 43 Resp: 341994
Ion Ratio Lower Upper
43 100
72 29.5 14.9 44.5



#23
Bromochloromethane
Concen: 52.789 ug/L
RT: 4.240 min Scan# 995
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 128 Resp: 134192
Ion Ratio Lower Upper
128 100
49 142.7 101.0 187.6
130 125.9 90.0 167.2
51 45.5 36.5 54.7





#25

Chloroform

Concen: 49.903 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

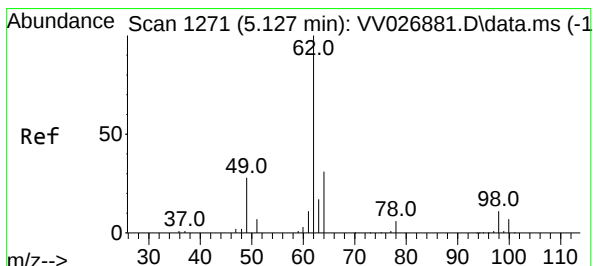
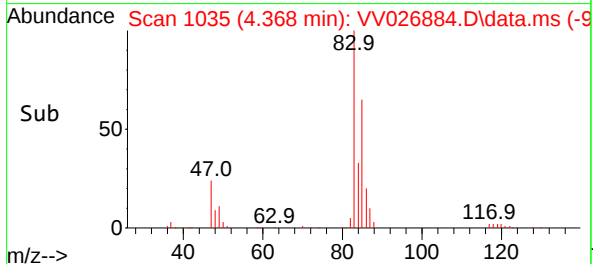
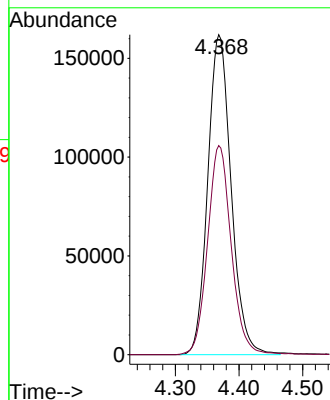
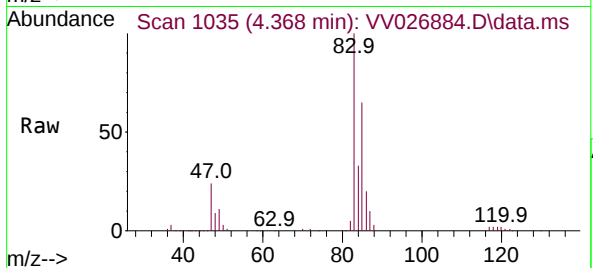
ClientSampleId :

Tgt Ion: 83 Resp: 412908

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 53.095 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV026884.D

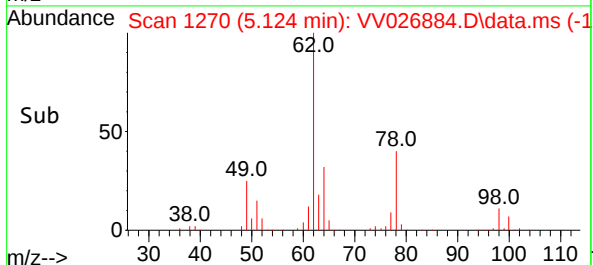
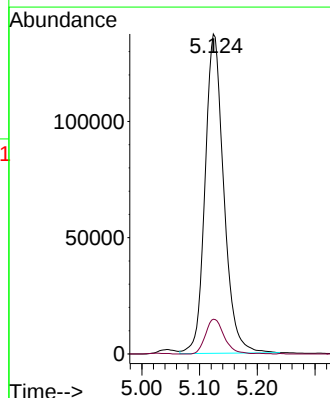
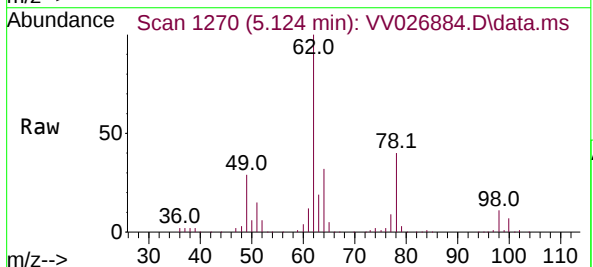
Acq: 22 Jul 2022 13:21

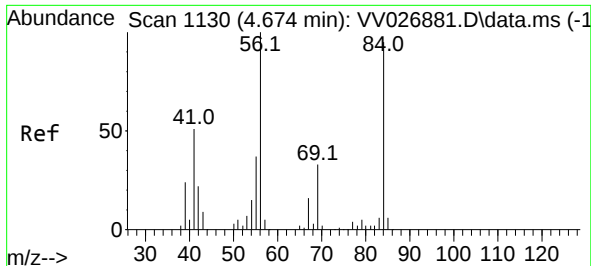
Tgt Ion: 62 Resp: 310007

Ion Ratio Lower Upper

62 100

98 10.9 8.9 13.3





#29

Cyclohexane

Concen: 48.407 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

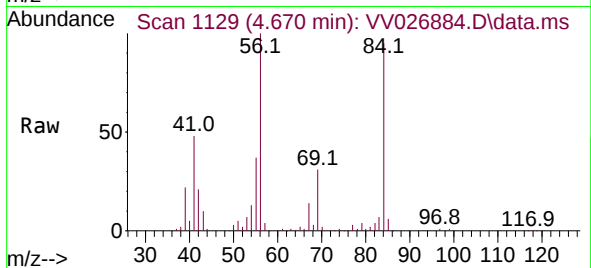
Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :



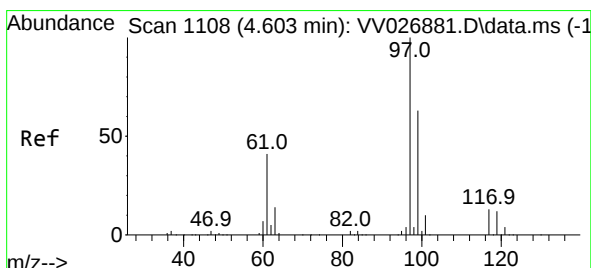
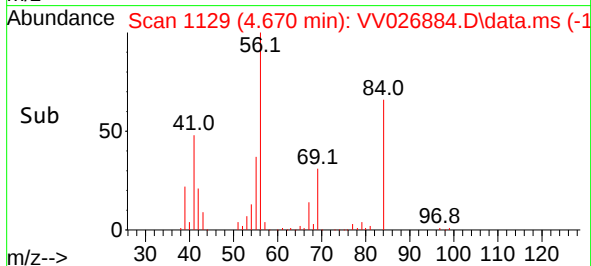
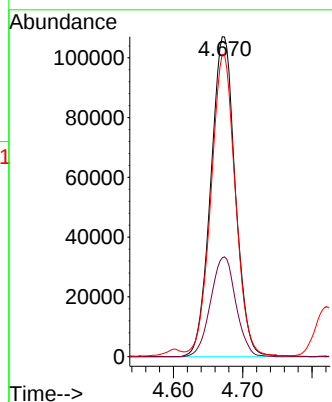
Tgt Ion: 56 Resp: 262901

Ion Ratio Lower Upper

56 100

69 32.2 25.7 38.5

84 93.7 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 46.432 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

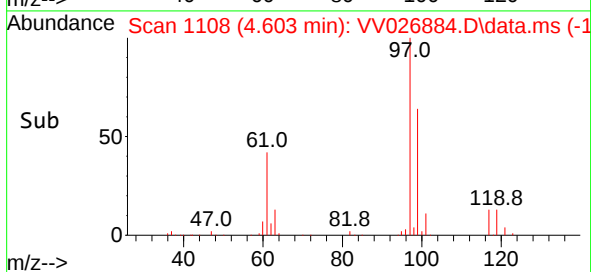
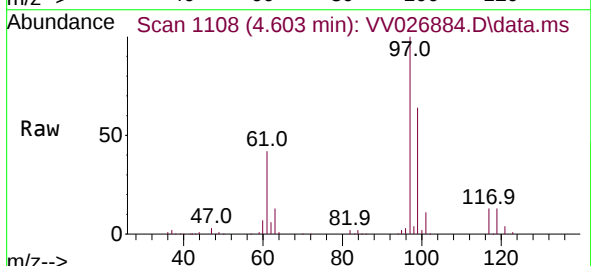
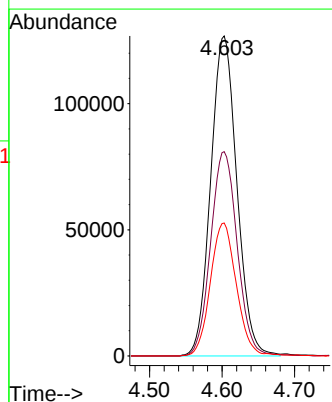
Tgt Ion: 97 Resp: 318616

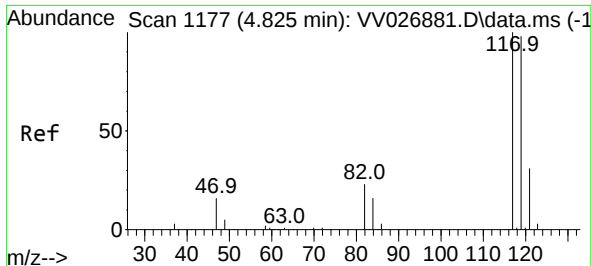
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 41.0 33.1 49.7

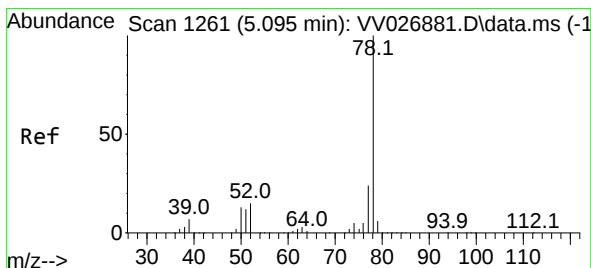
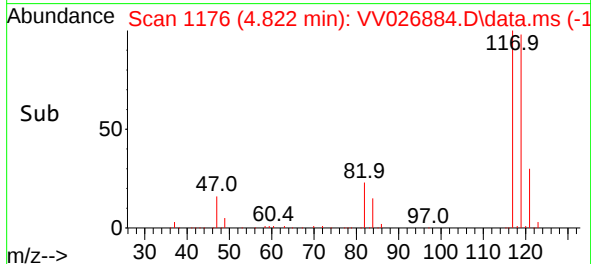
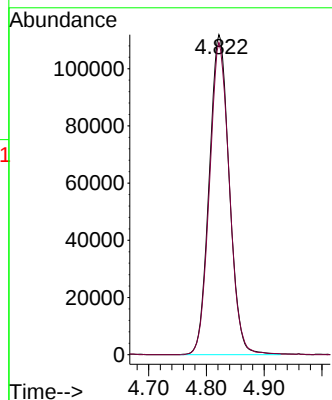
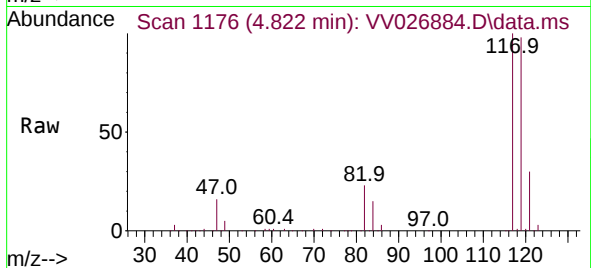




#31
Carbon tetrachloride
Concen: 44.968 ug/L
RT: 4.822 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

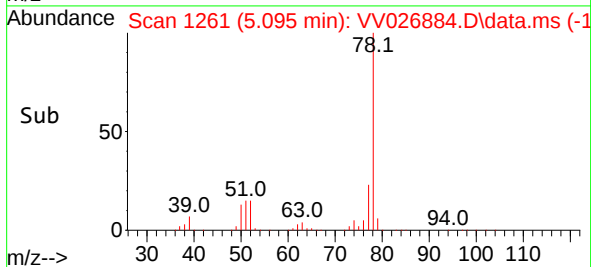
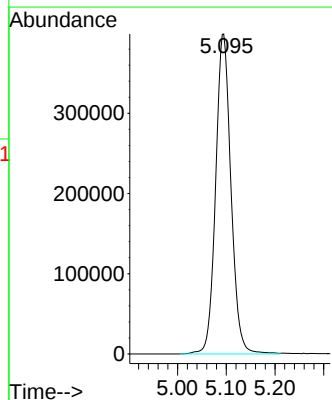
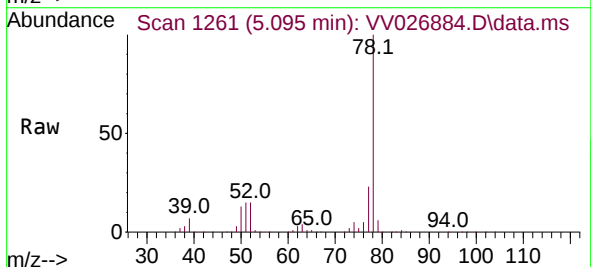
Instrument :
MSVOA_V
ClientSampleId :

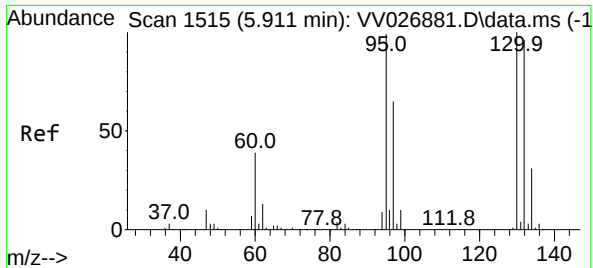
Tgt Ion:117 Resp: 270172
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9



#33
Benzene
Concen: 52.212 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 78 Resp: 872062

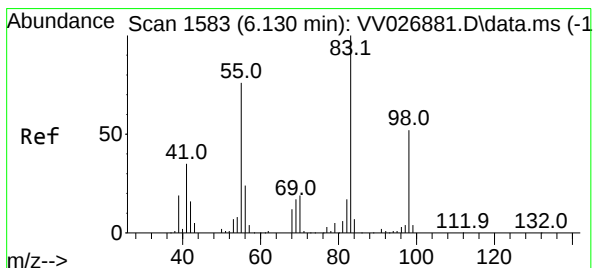
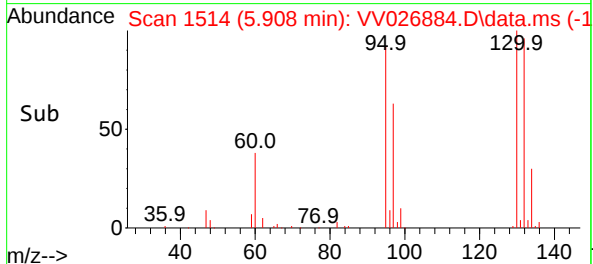
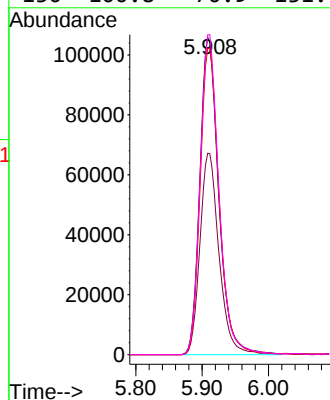
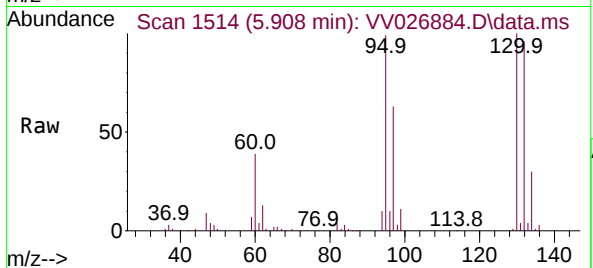




#34
Trichloroethene
Concen: 48.789 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

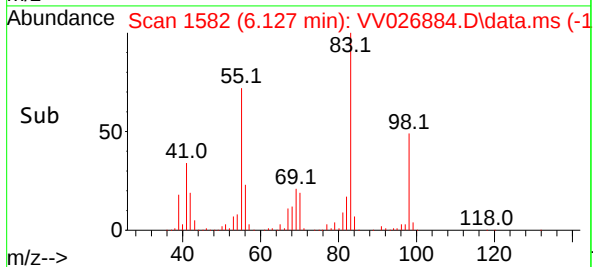
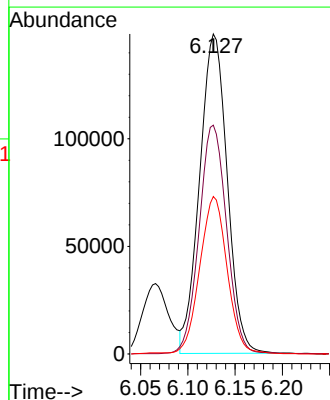
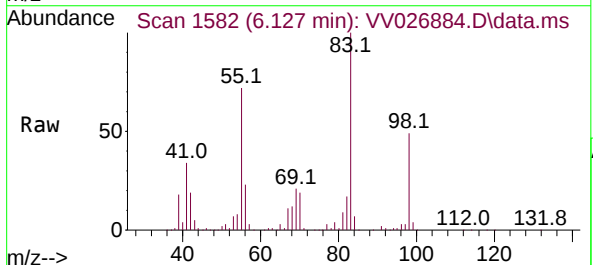
Instrument :
MSVOA_V
ClientSampleId :

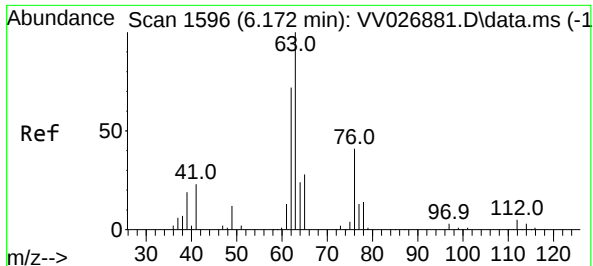
Tgt Ion: 95 Resp: 209403
Ion Ratio Lower Upper
95 100
97 63.5 45.9 85.3
132 96.5 68.1 126.5
130 100.8 70.9 131.7



#35
Methylcyclohexane
Concen: 47.438 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 83 Resp: 301465
Ion Ratio Lower Upper
83 100
55 71.3 57.4 86.2
98 49.0 39.4 59.0





#37

1,2-Dichloropropane

Concen: 54.715 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

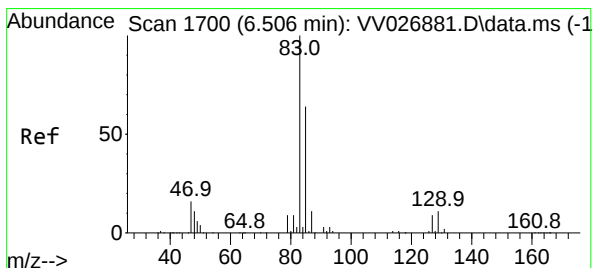
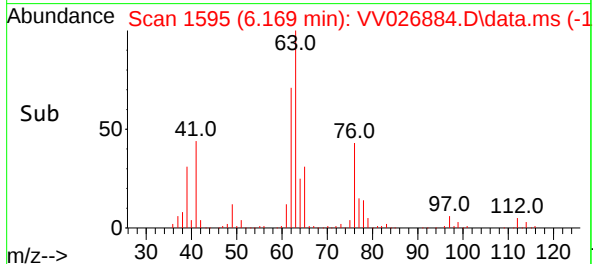
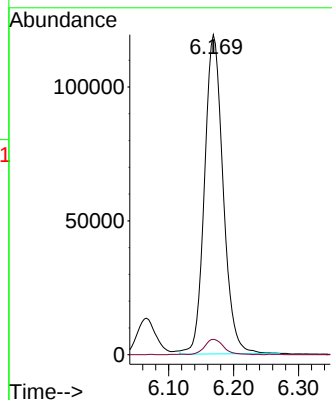
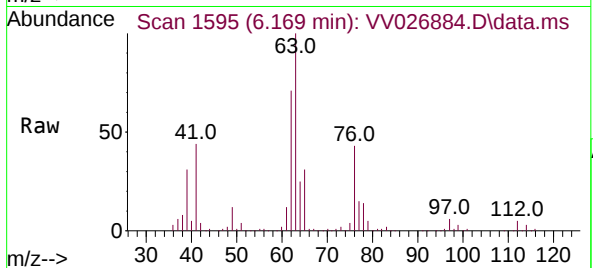
ClientSampleId :

Tgt Ion: 63 Resp: 237849

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 52.813 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

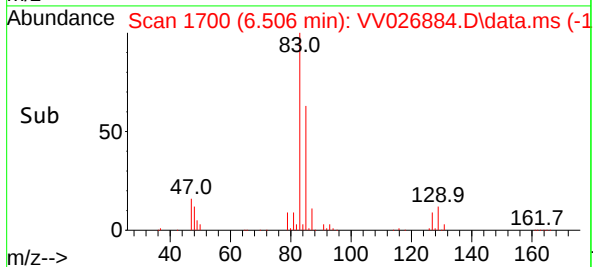
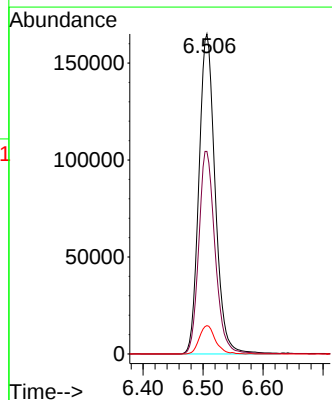
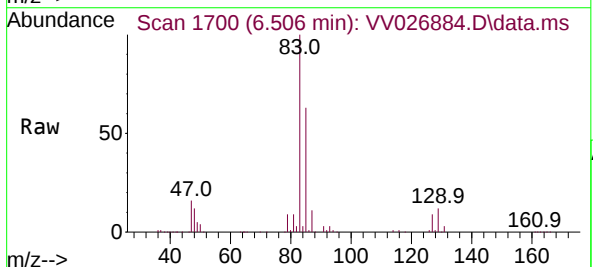
Tgt Ion: 83 Resp: 311180

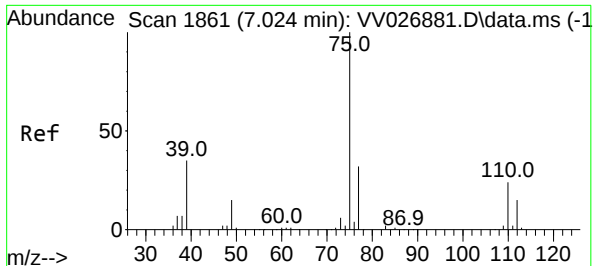
Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 55.155 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

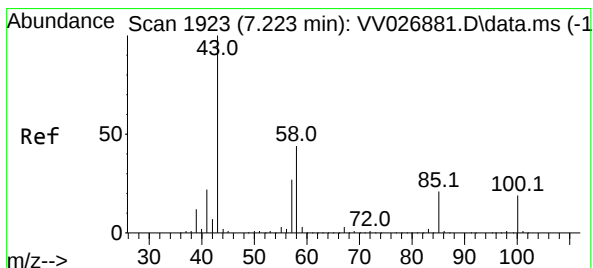
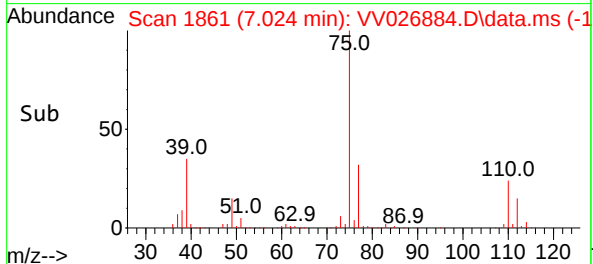
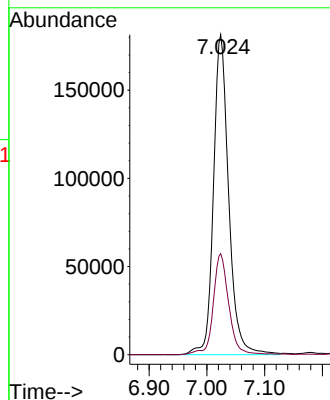
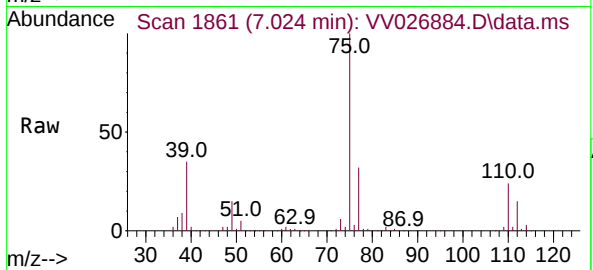
ClientSampleId :

Tgt Ion: 75 Resp: 332755

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 125.649 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

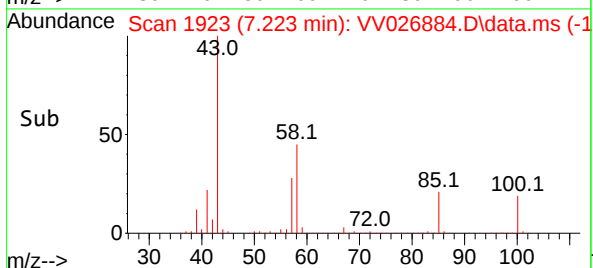
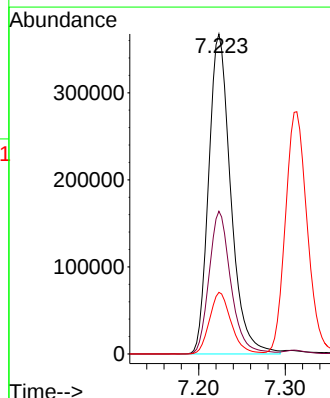
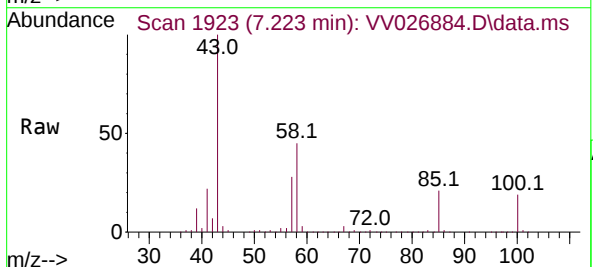
Tgt Ion: 43 Resp: 650009

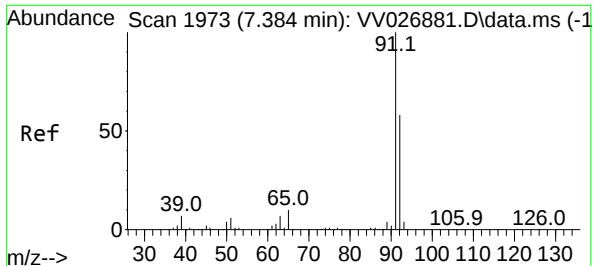
Ion Ratio Lower Upper

43 100

58 44.2 35.0 52.6

100 18.9 15.4 23.0

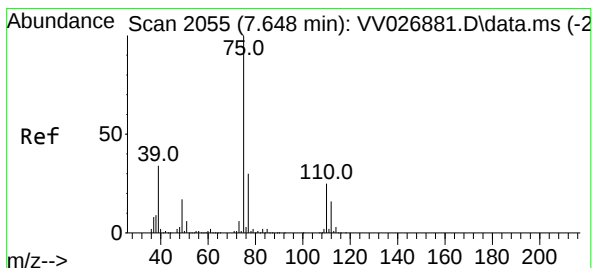
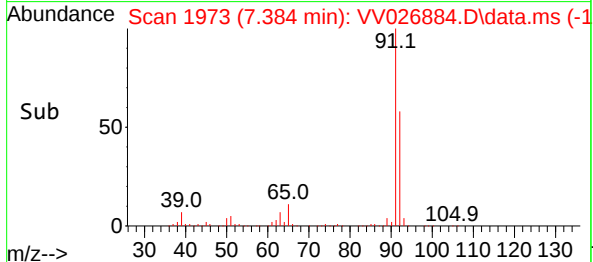
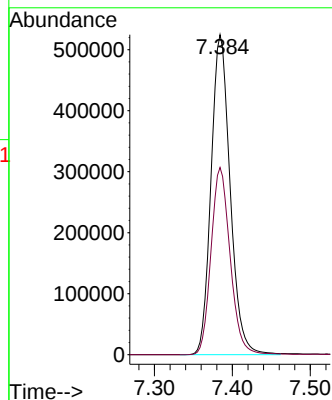
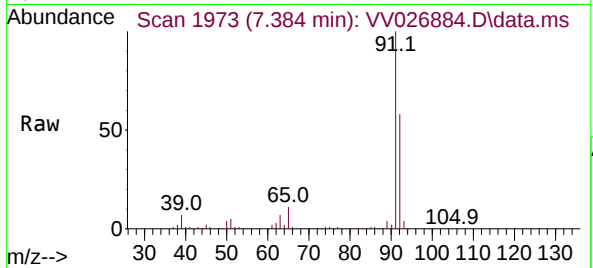




#42
Toluene
Concen: 52.322 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

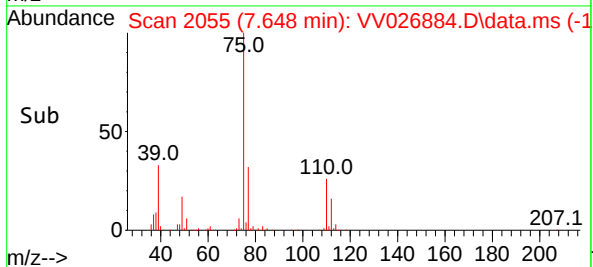
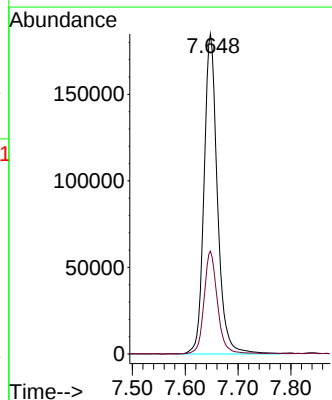
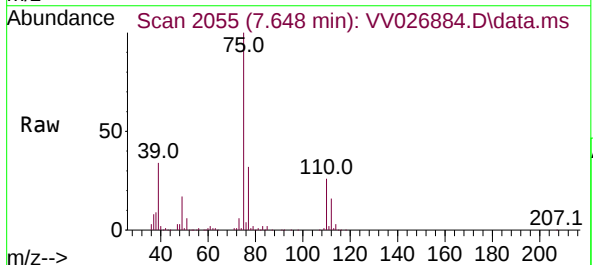
Instrument :
MSVOA_V
ClientSampleId :

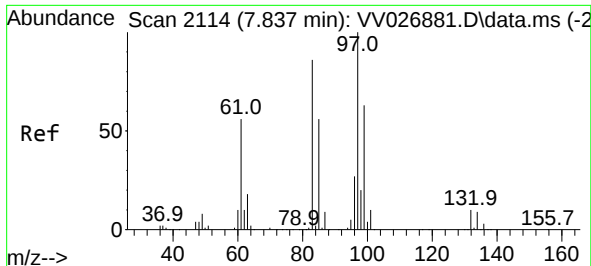
Tgt Ion: 91 Resp: 892003
Ion Ratio Lower Upper
91 100
92 58.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 54.720 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 75 Resp: 325560
Ion Ratio Lower Upper
75 100
77 32.2 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 54.340 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 251558

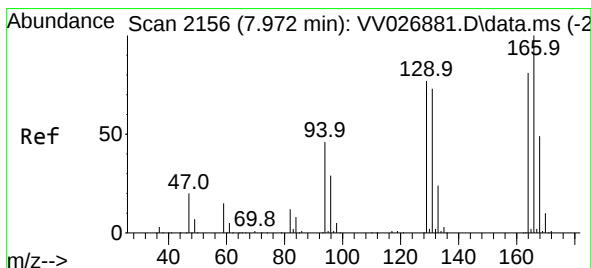
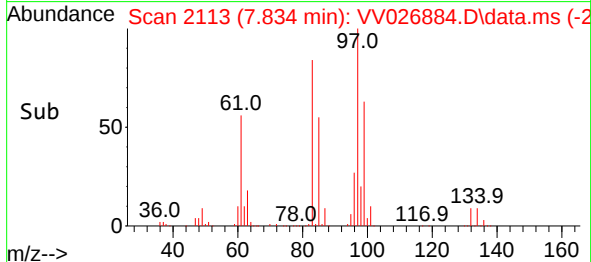
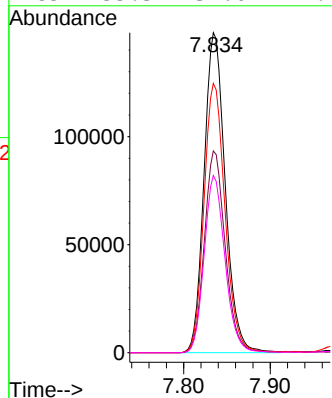
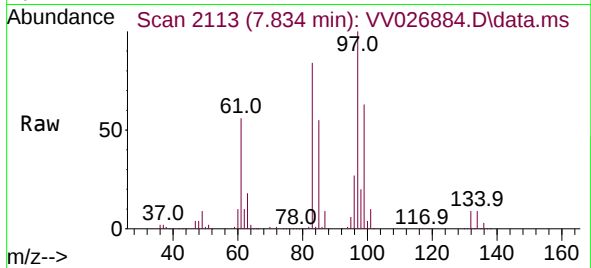
Ion Ratio Lower Upper

97 100

99 63.1 44.0 81.8

83 84.2 59.9 111.3

85 55.3 39.0 72.4



#46

Tetrachloroethene

Concen: 46.251 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Tgt Ion:164 Resp: 154852

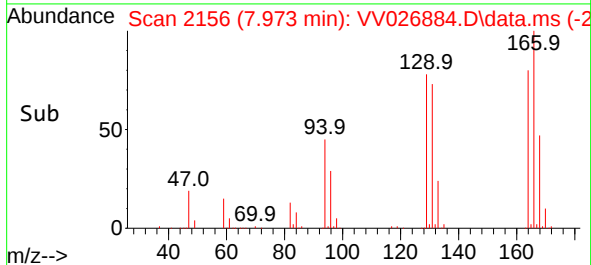
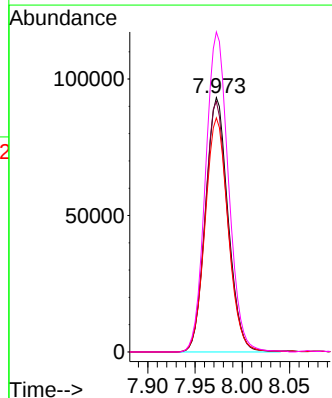
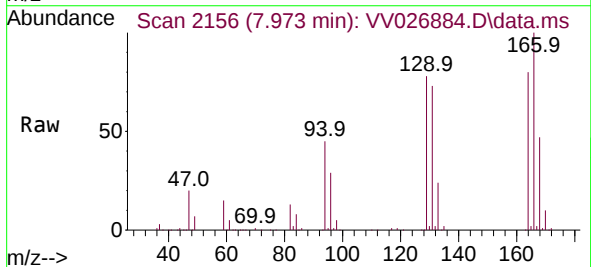
Ion Ratio Lower Upper

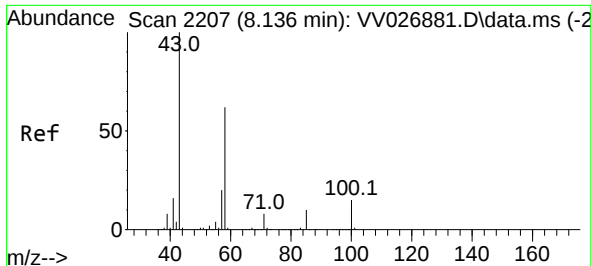
164 100

129 98.4 66.3 123.1

131 92.0 63.1 117.3

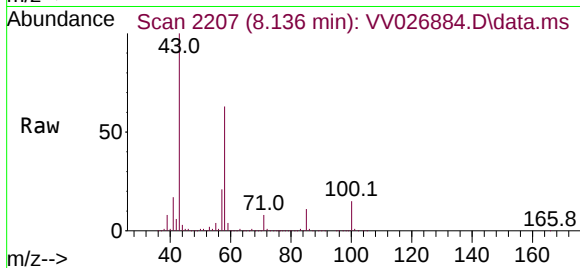
166 125.8 86.2 160.2



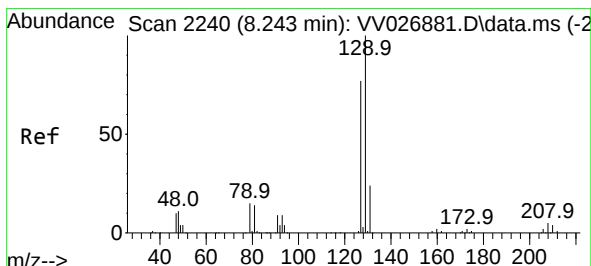
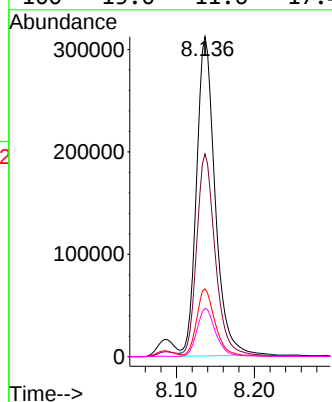
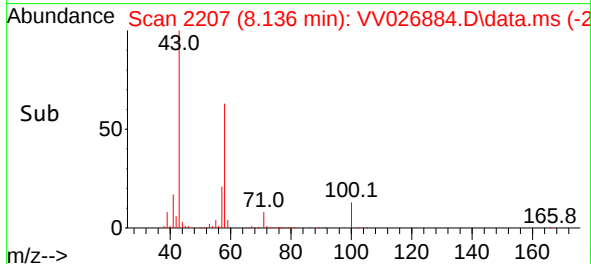


#48
2-Hexanone
Concen: 128.737 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Instrument :
MSVOA_V
ClientSampleId :

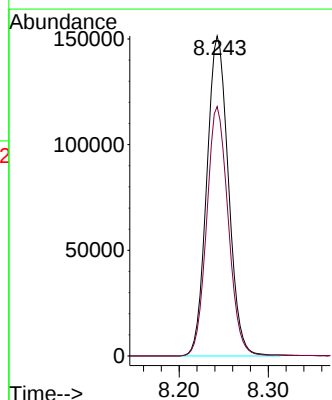
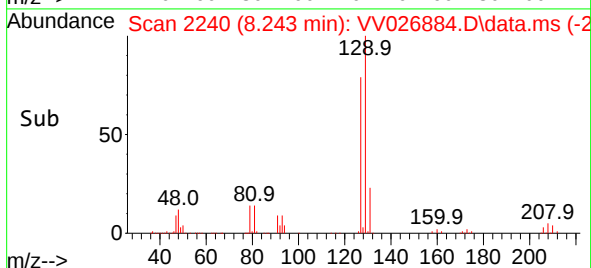
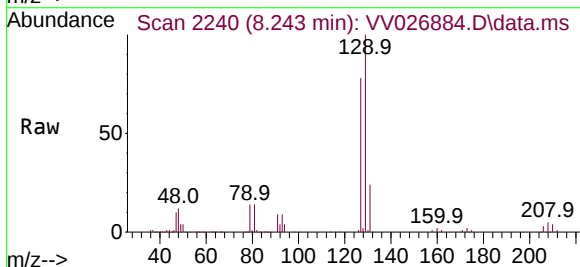


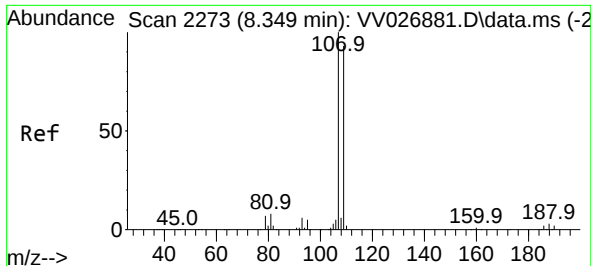
Tgt Ion: 43 Resp: 518336
Ion Ratio Lower Upper
43 100
58 63.6 48.8 73.2
57 20.3 16.6 24.8
100 15.0 11.6 17.4



#49
Dibromochloromethane
Concen: 52.789 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 129 Resp: 255423
Ion Ratio Lower Upper
129 100
127 78.0 53.7 99.7





#50

1,2-Dibromoethane

Concen: 55.733 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

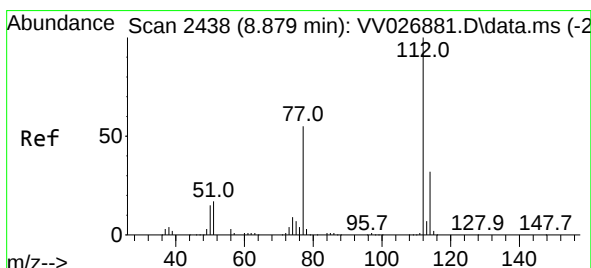
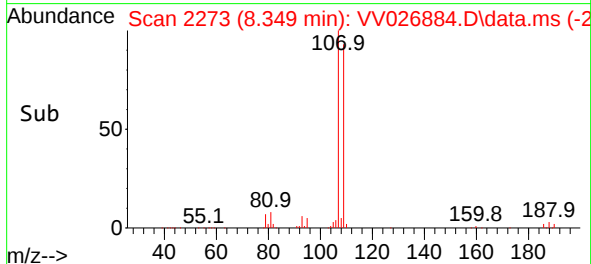
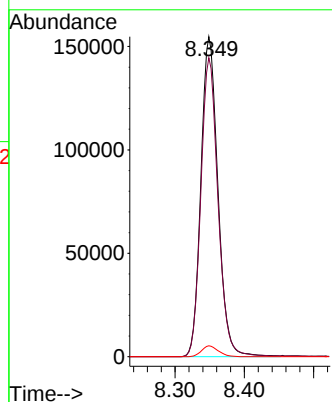
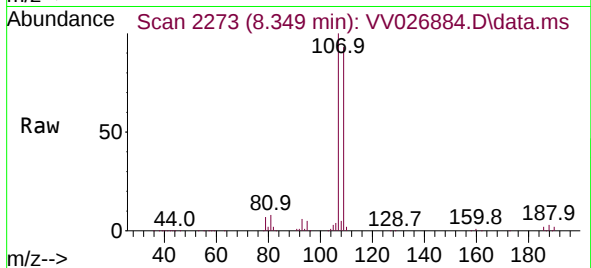
Tgt Ion:107 Resp: 263969

Ion Ratio Lower Upper

107 100

109 93.4 64.9 120.5

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 49.326 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

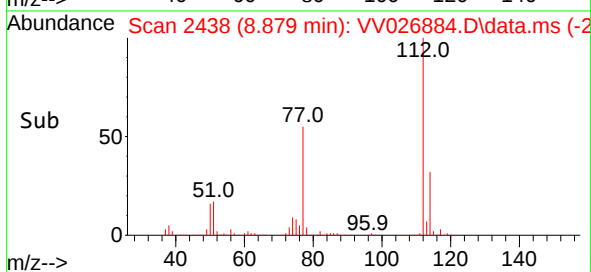
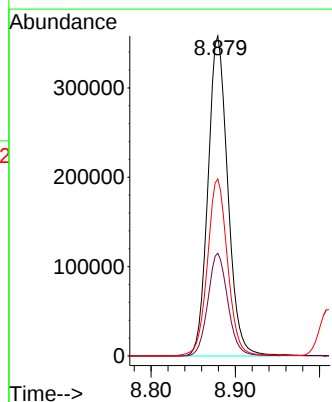
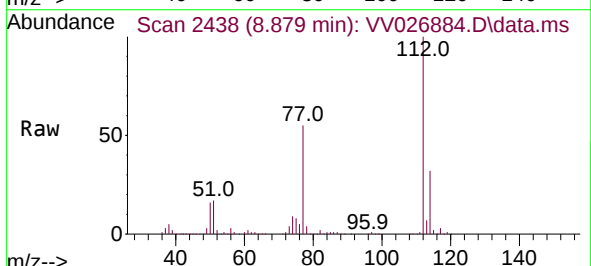
Tgt Ion:112 Resp: 586150

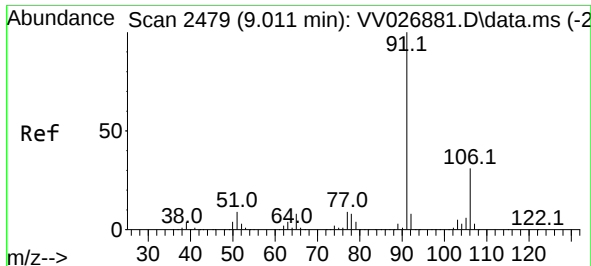
Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.1

77 55.3 44.4 66.6

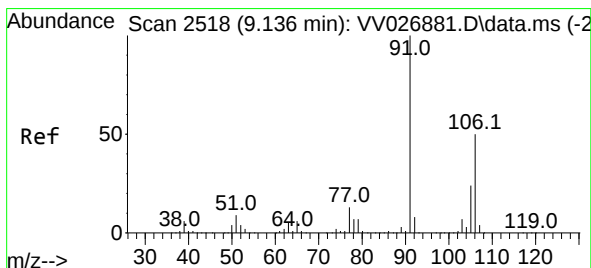
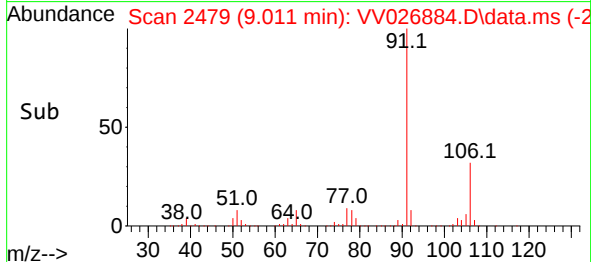
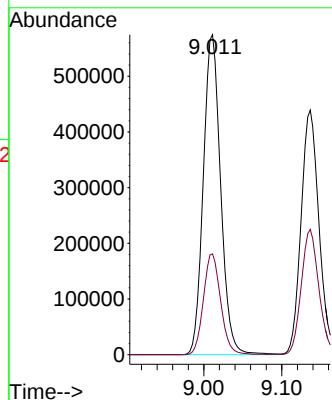
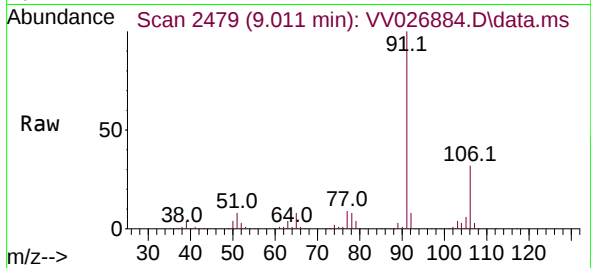




#52
Ethylbenzene
Concen: 50.265 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

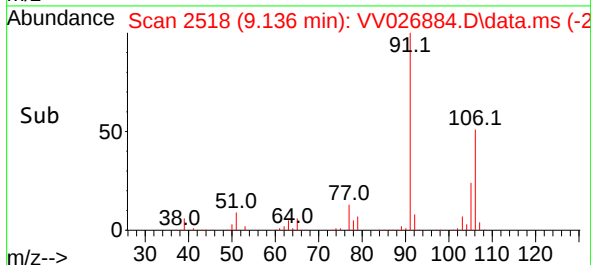
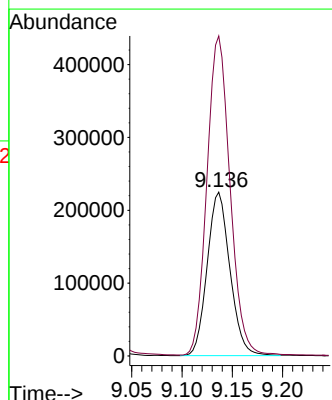
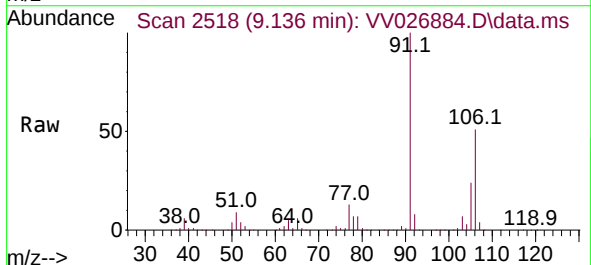
Instrument :
MSVOA_V
ClientSampleId :

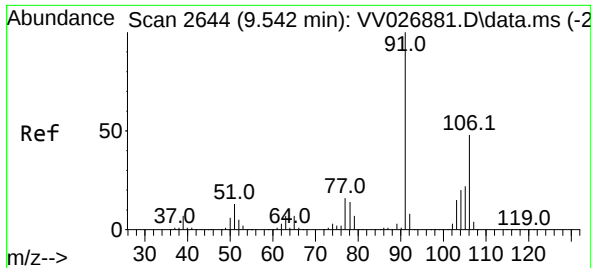
Tgt Ion: 91 Resp: 889497
Ion Ratio Lower Upper
91 100
106 31.5 22.0 40.8



#53
m,p-Xylene
Concen: 50.934 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion: 106 Resp: 352919
Ion Ratio Lower Upper
106 100
91 195.2 140.0 260.0

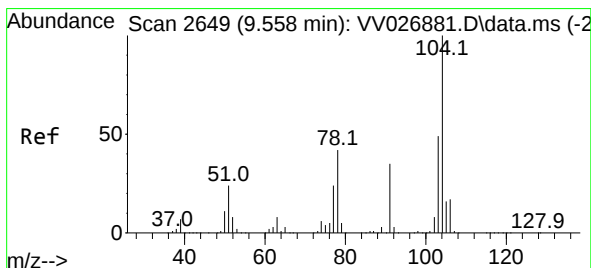
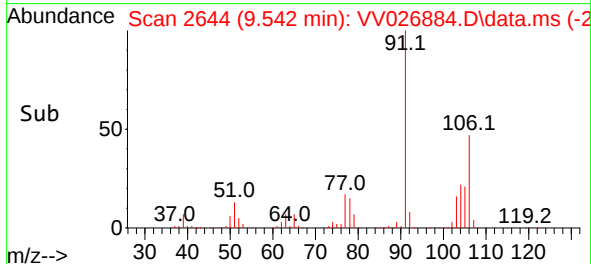
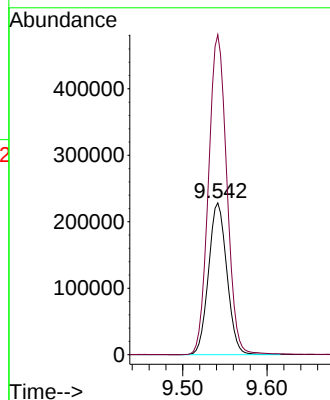
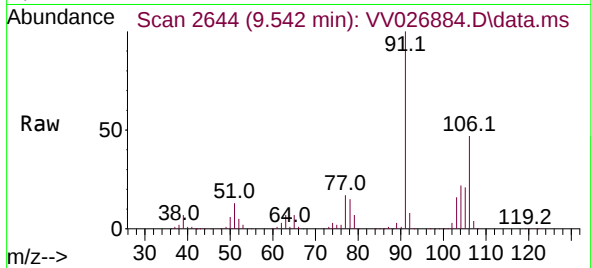




#54
o-Xylene
Concen: 51.858 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

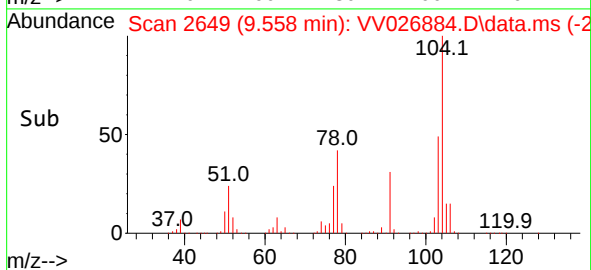
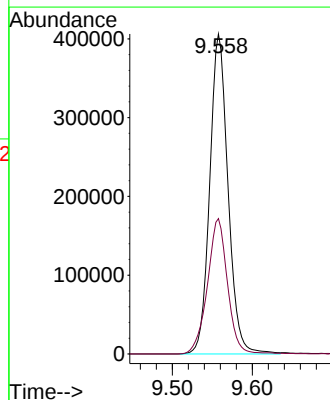
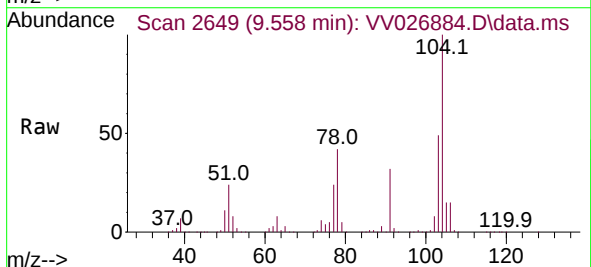
Instrument :
MSVOA_V
ClientSampleId :

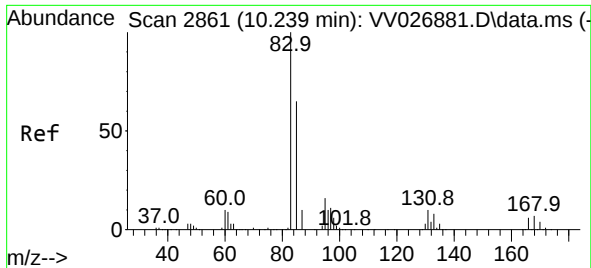
Tgt Ion:106 Resp: 346066
Ion Ratio Lower Upper
106 100
91 210.7 146.1 271.3



#55
Styrene
Concen: 54.776 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion:104 Resp: 645567
Ion Ratio Lower Upper
104 100
78 42.3 29.6 55.0

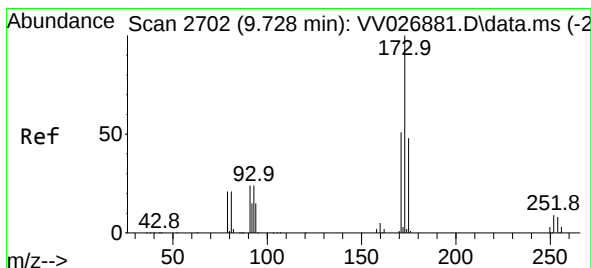
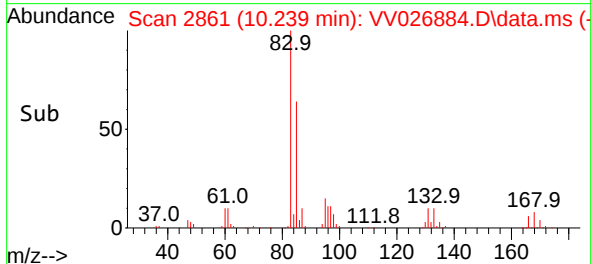
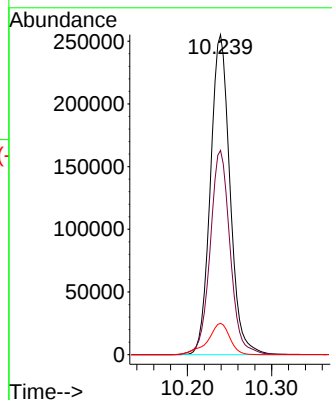
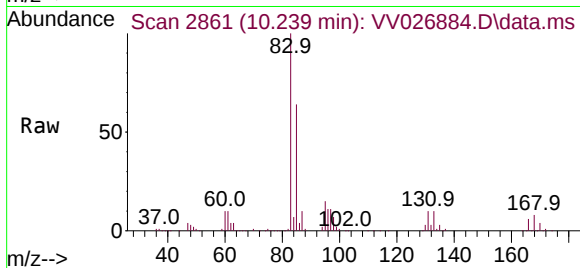




#57
1,1,2-Tetrachloroethane
Concen: 55.021 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

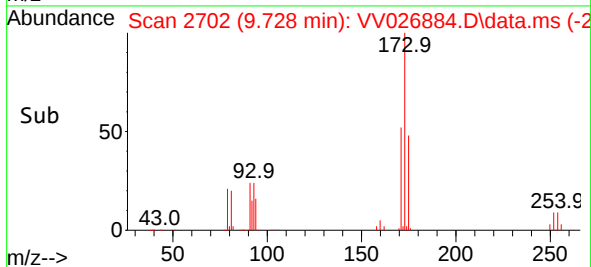
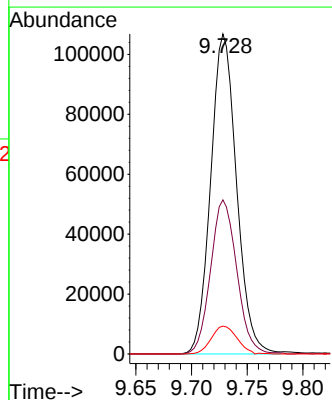
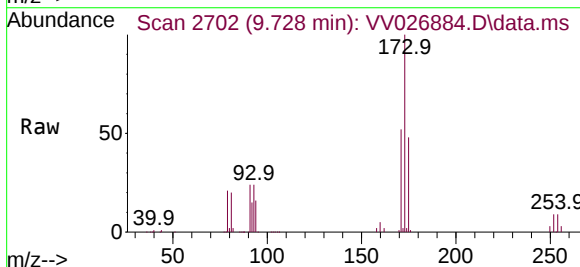
Instrument :
MSVOA_V
ClientSampleId :

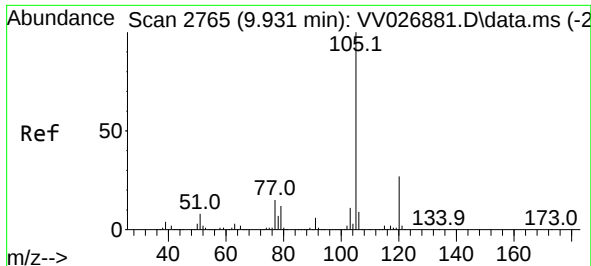
Tgt Ion: 83 Resp: 411162
Ion Ratio Lower Upper
83 100
85 63.9 45.3 84.1
131 9.8 7.8 11.6



#59
Bromoform
Concen: 53.473 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

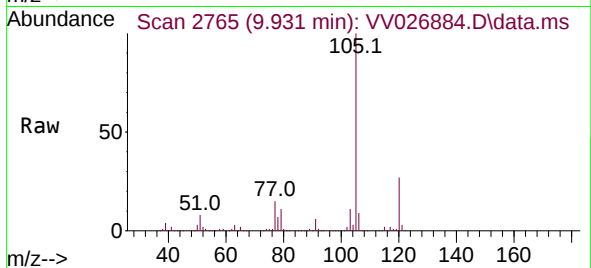
Tgt Ion: 173 Resp: 172518
Ion Ratio Lower Upper
173 100
175 48.7 38.6 57.8
254 8.6 6.6 10.0



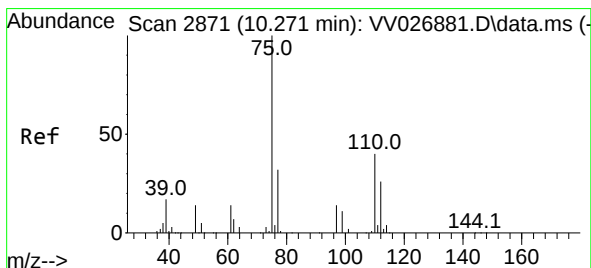
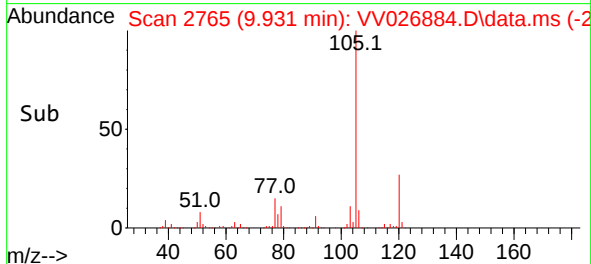
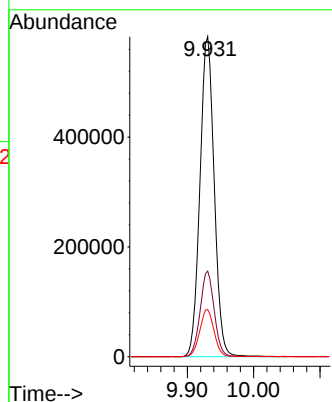


#60
Isopropylbenzene
Concen: 51.023 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Instrument :
MSVOA_V
ClientSampleId :

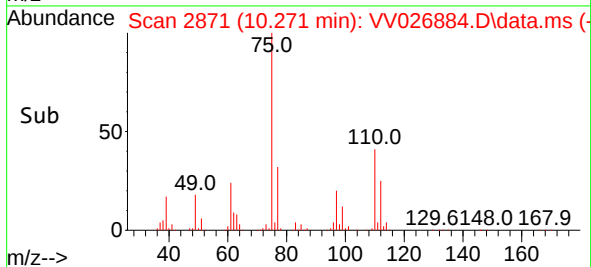
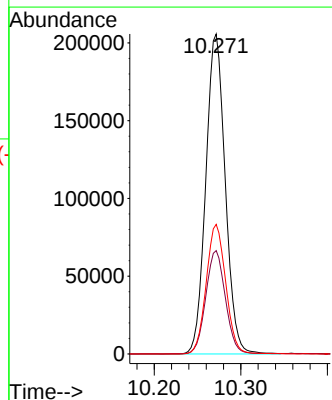
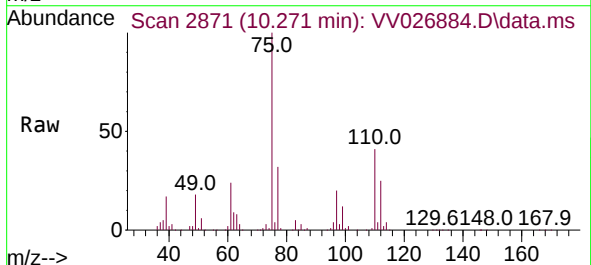


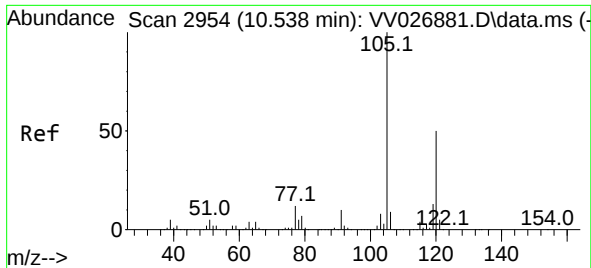
Tgt Ion:105 Resp: 870728
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 14.8 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 55.390 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

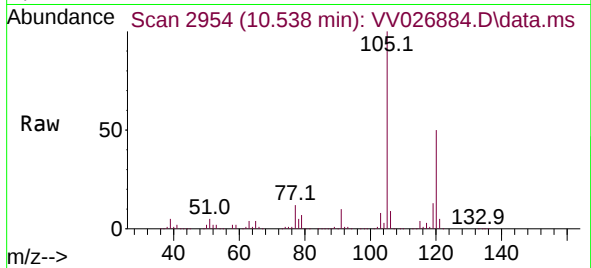
Tgt Ion: 75 Resp: 320966
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
110 40.7 31.7 47.5



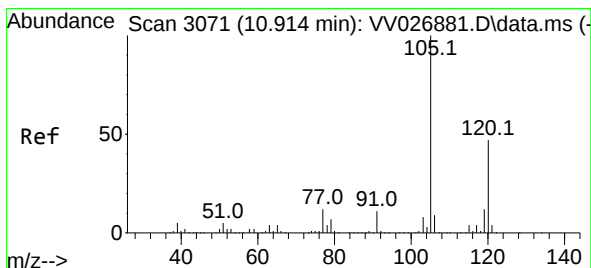
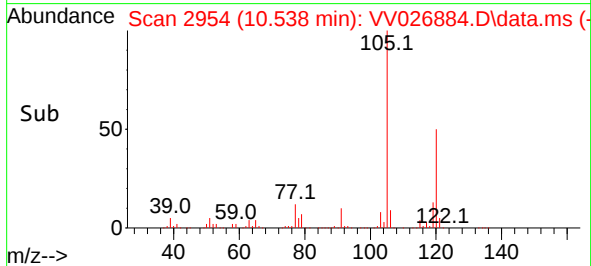
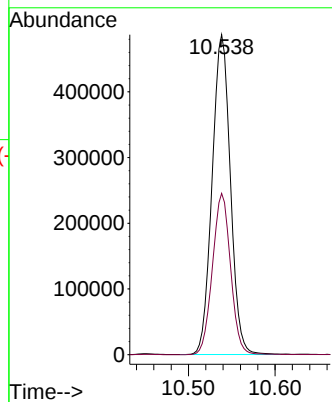


#62
 1,3,5-Trimethylbenzene
 Concen: 51.499 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

Instrument :
 MSVOA_V
 ClientSampleId :

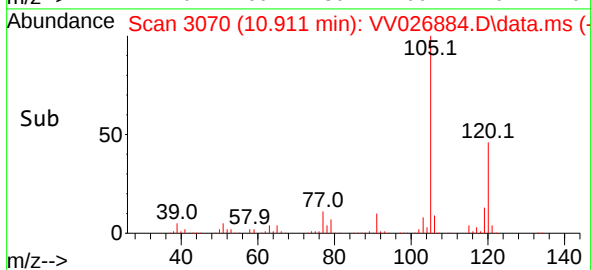
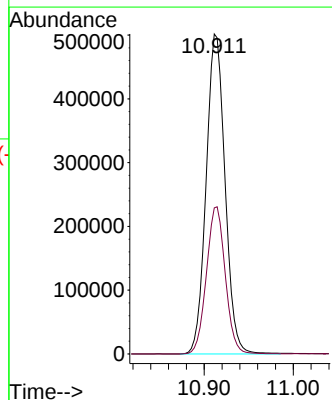
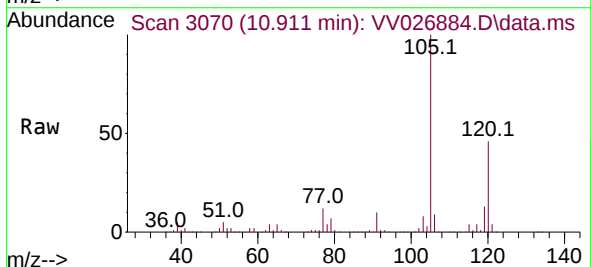


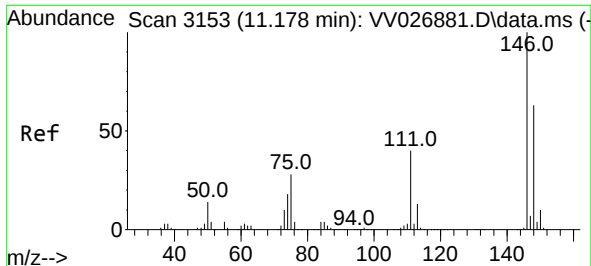
Tgt Ion:105 Resp: 714280
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 53.068 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.003 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

Tgt Ion:105 Resp: 738273
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.1 55.7

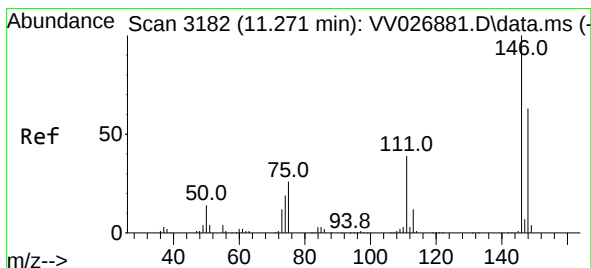
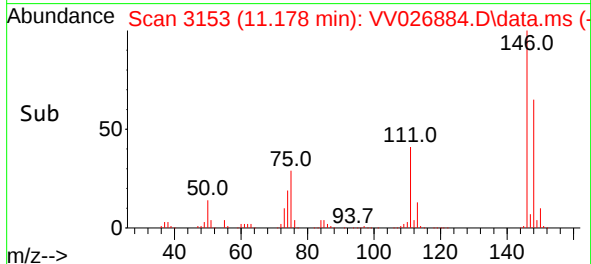
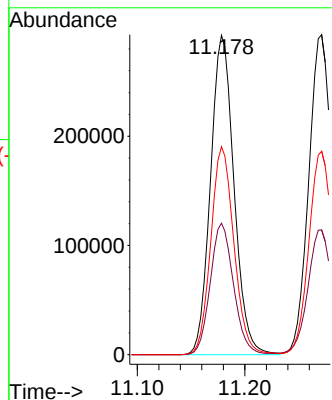
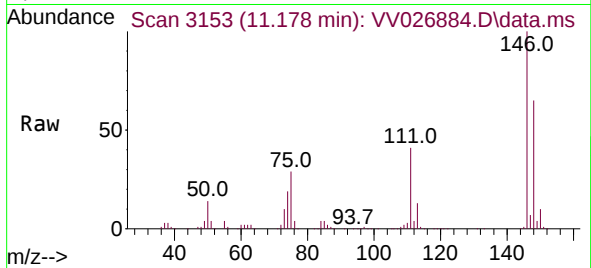




#64
1,3-Dichlorobenzene
Concen: 50.844 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

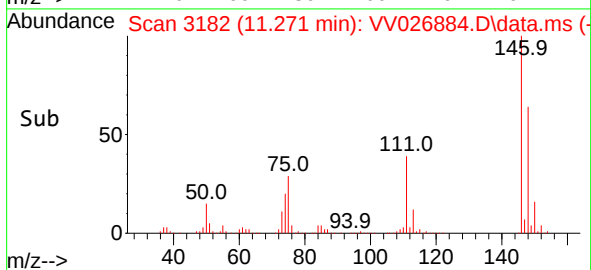
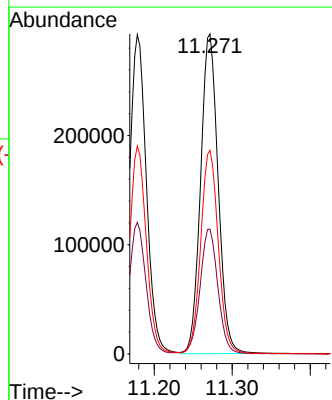
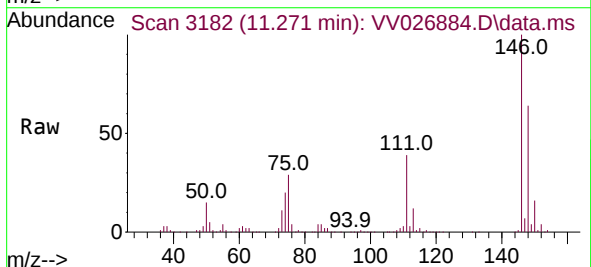
Instrument :
MSVOA_V
ClientSampleId :

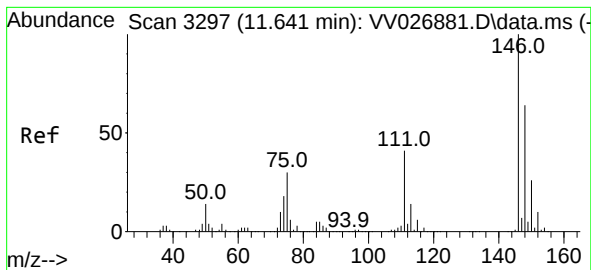
Tgt Ion:146 Resp: 443321
Ion Ratio Lower Upper
146 100
111 41.2 27.9 51.9
148 65.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 49.496 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV026884.D
Acq: 22 Jul 2022 13:21

Tgt Ion:146 Resp: 457295
Ion Ratio Lower Upper
146 100
111 39.0 27.4 51.0
148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.419 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

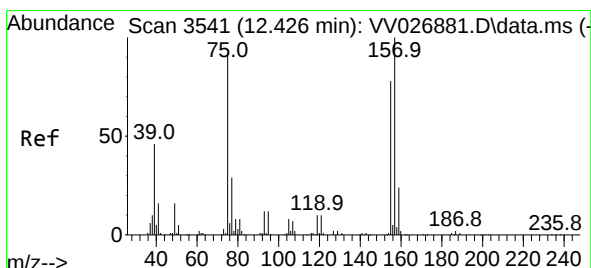
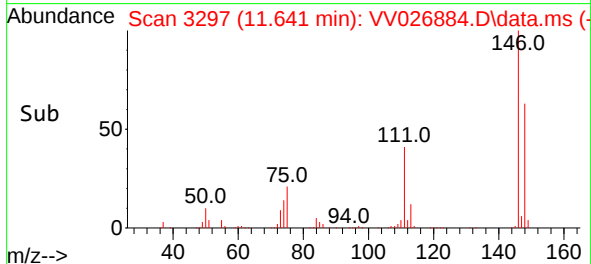
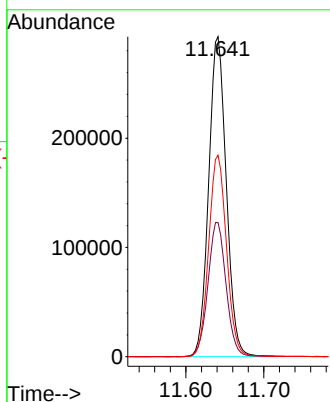
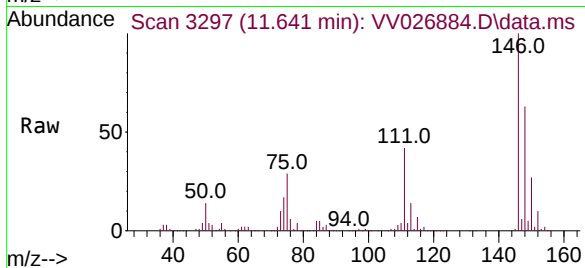
Tgt Ion:146 Resp: 459993

Ion Ratio Lower Upper

146 100

111 41.9 33.2 49.8

148 63.0 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 56.408 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

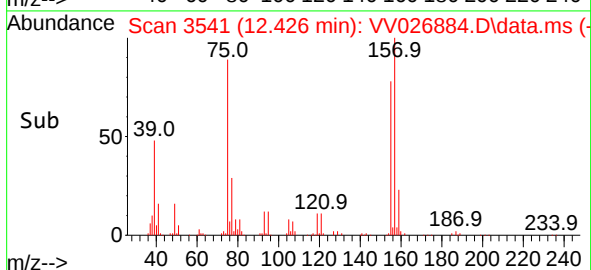
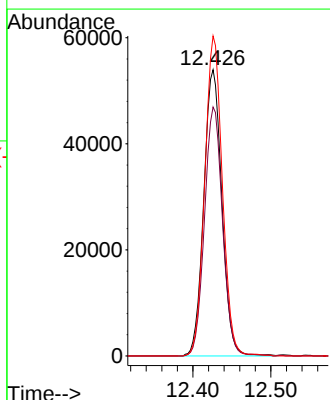
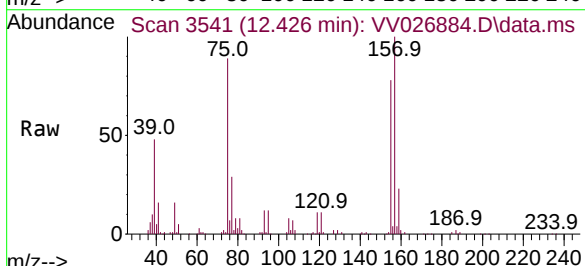
Tgt Ion: 75 Resp: 87328

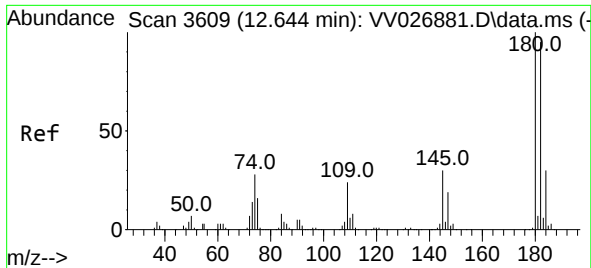
Ion Ratio Lower Upper

75 100

155 86.9 67.7 101.5

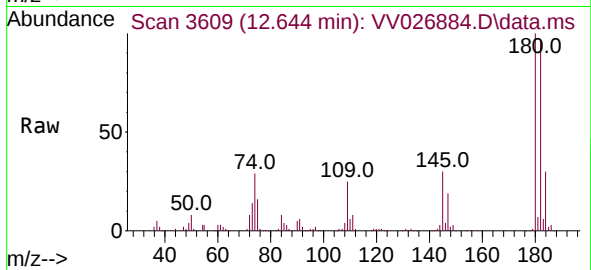
157 111.8 87.1 130.7



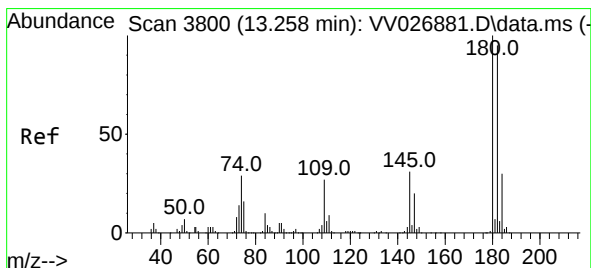
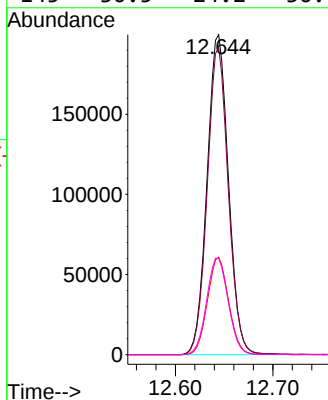
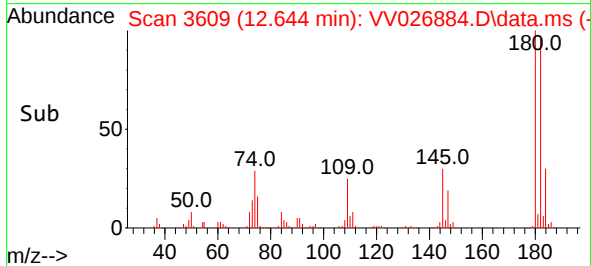


#69
 1,3,5-Trichlorobenzene
 Concen: 49.372 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21

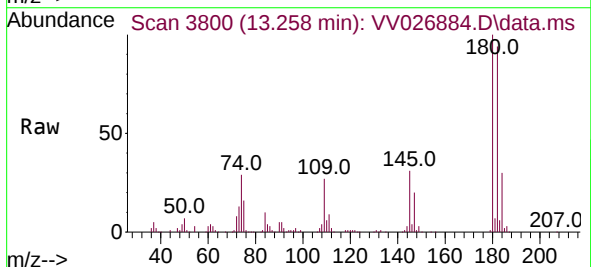
Instrument :
 MSVOA_V
 ClientSampleId :



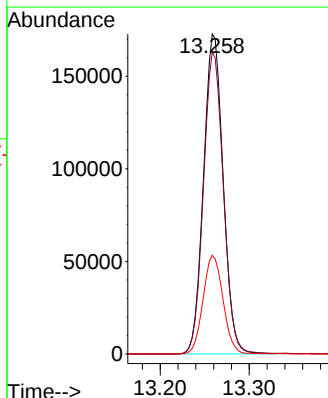
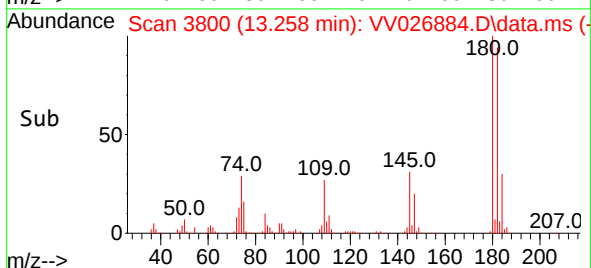
Tgt Ion:180 Resp: 304762
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.6 113.4
 184 30.2 23.8 35.8
 145 30.5 24.2 36.4

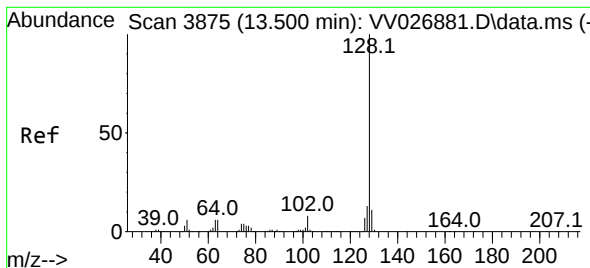


#70
 1,2,4-trichlorobenzene
 Concen: 50.948 ug/L
 RT: 13.258 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV026884.D
 Acq: 22 Jul 2022 13:21



Tgt Ion:180 Resp: 264975
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 145 31.1 25.0 37.6





#71

Naphthalene

Concen: 58.650 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Instrument :

MSVOA_V

ClientSampleId :

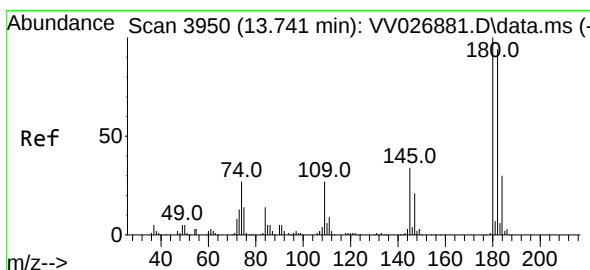
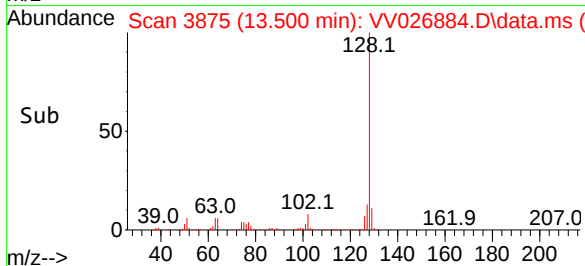
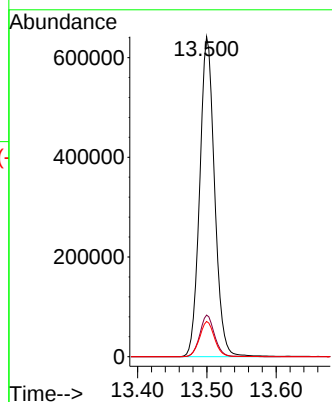
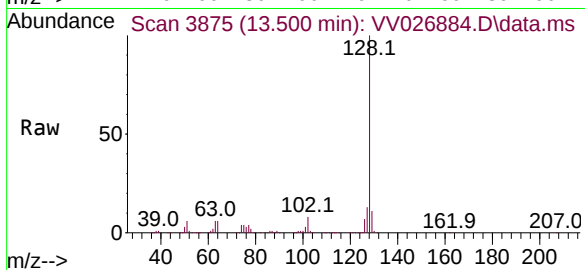
Tgt Ion:128 Resp: 959209

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.578 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV026884.D

Acq: 22 Jul 2022 13:21

Tgt Ion:180 Resp: 296093

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 32.9 26.6 40.0

