

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121922\
 Data File : VV029708.D
 Acq On : 19 Dec 2022 09:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050391

Quant Time: Dec 20 00:42:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 14 21:14:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	450473	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	417175	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	223866	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	144290	52.307	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 104.620%	
7) Chloroethane-d5	1.561	69	120391	57.235	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 114.480%	
11) 1,1-Dichloroethene-d2	2.105	63	241995	56.245	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 112.480%	
21) 2-Butanone-d5	3.870	46	173928	103.359	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 103.360%	
24) Chloroform-d	4.333	84	262681	50.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.200%	
26) 1,2-Dichloroethane-d4	5.018	65	151528	51.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.220%	
32) Benzene-d6	5.037	84	536301	48.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.300%	
36) 1,2-Dichloropropane-d6	6.060	67	166078	49.324	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 98.640%	
41) Toluene-d8	7.304	98	481310	46.341	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 92.680%	
43) trans-1,3-Dichloroprop...	7.609	79	61476	36.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 72.320%	
47) 2-Hexanone-d5	8.082	63	140625	97.805	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 97.800%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	229497	47.697	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 95.400%	
66) 1,2-Dichlorobenzene-d4	11.612	152	184303	43.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 86.500%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.127	85	160087	45.117	ug/L	99
3) Chloromethane	1.240	50	201603	49.833	ug/L	100
5) Vinyl chloride	1.311	62	184222	54.426	ug/L	99
6) Bromomethane	1.520	94	87824	64.484	ug/L	99
8) Chloroethane	1.581	64	118528	62.888	ug/L	99
9) Trichlorofluoromethane	1.751	101	220451	52.027	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	123570	52.483	ug/L	98
12) 1,1-Dichloroethene	2.114	96	130454	54.178	ug/L	90
13) Acetone	2.163	43	123317	112.492	ug/L	100
14) Carbon disulfide	2.291	76	367680	45.881	ug/L	99
15) Methyl Acetate	2.423	43	155540	62.277	ug/L	95
16) Methylene chloride	2.500	84	173022	57.792	ug/L	95
17) trans-1,2-Dichloroethene	2.754	96	142914	51.511	ug/L	97
18) Methyl tert-butyl Ether	2.761	73	501843	59.038	ug/L	99
19) 1,1-Dichloroethane	3.179	63	275724	58.011	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	164626	53.961	ug/L	91
22) 2-Butanone	3.950	43	201649	115.605	ug/L	96
23) Bromochloromethane	4.233	128	90046	57.319	ug/L	91
25) Chloroform	4.362	83	278665	56.553	ug/L	98

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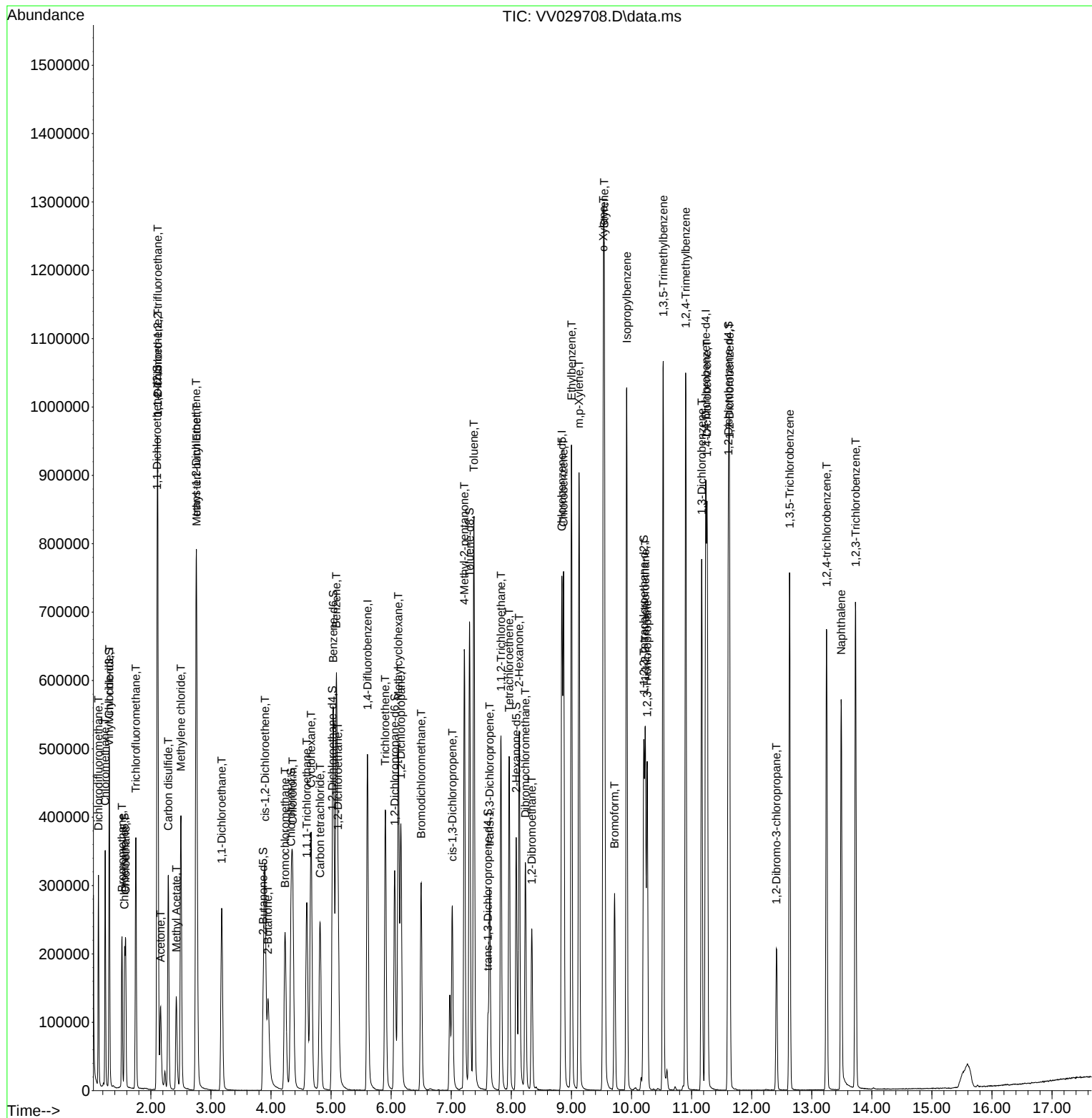
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27) 1,2-Dichloroethane	5.117	62	201926	58.011	ug/L	99
29) Cyclohexane	4.667	56	212094	46.933	ug/L	98
30) 1,1,1-Trichloroethane	4.597	97	231250	50.879	ug/L	98
31) Carbon tetrachloride	4.815	117	193411	48.730	ug/L	99
33) Benzene	5.089	78	622358	52.926	ug/L	100
34) Trichloroethene	5.902	95	147285	49.984	ug/L	99
35) Methylcyclohexane	6.121	83	219899	43.939	ug/L	97
37) 1,2-Dichloropropane	6.162	63	164763	58.053	ug/L	99
38) Bromodichloromethane	6.500	83	211577	54.002	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	178343	38.208	ug/L	96
40) 4-Methyl-2-pentanone	7.217	43	420533	124.274	ug/L	96
42) Toluene	7.378	91	643646	50.855	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	176484	39.926	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	165693	56.509	ug/L	98
46) Tetrachloroethene	7.963	164	115354	48.692	ug/L	99
48) 2-Hexanone	8.130	43	313509	121.266	ug/L	95
49) Dibromochloromethane	8.233	129	177304	54.770	ug/L	98
50) 1,2-Dibromoethane	8.339	107	161805	53.564	ug/L	100
51) Chlorobenzene	8.870	112	417392	52.080	ug/L	100
52) Ethylbenzene	9.002	91	666583	50.095	ug/L	100
53) m,p-Xylene	9.127	106	261613	49.674	ug/L	100
54) o-Xylene	9.532	106	261732	50.242	ug/L	100
55) Styrene	9.548	104	480270	53.050	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	256848	54.761	ug/L	99
59) Bromoform	9.719	173	132563	53.605	ug/L	100
60) Isopropylbenzene	9.921	105	672221	51.145	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	197109	57.042	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	566524	48.749	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	566896	49.211	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	326502	50.805	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	330944	50.671	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	333191	50.701	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	51204	47.676	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	234875	45.925	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	213223	46.885	ug/L	100
71) Naphthalene	13.490	128	476061	46.149	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	220443	49.488	ug/L	99

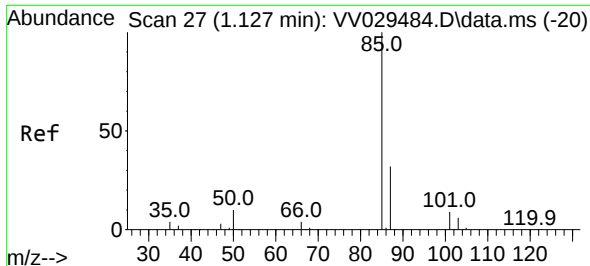
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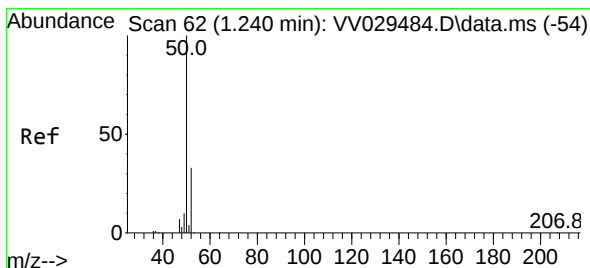
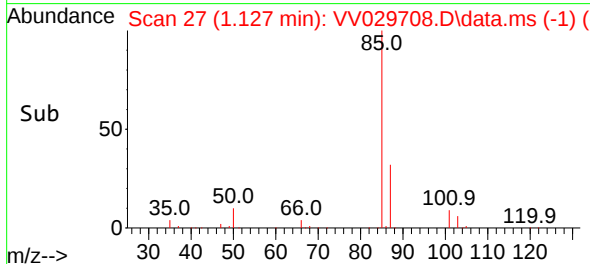
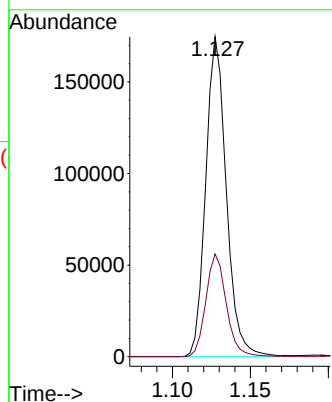
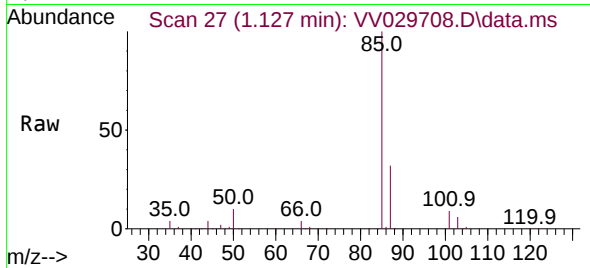




#2
 Dichlorodifluoromethane
 Concen: 45.117 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

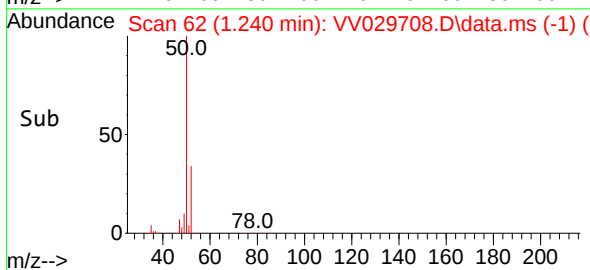
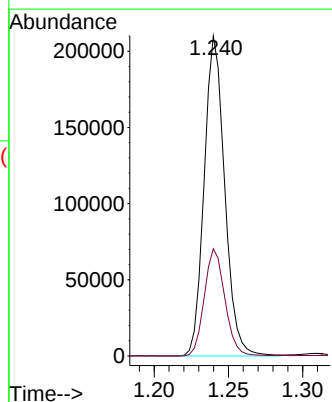
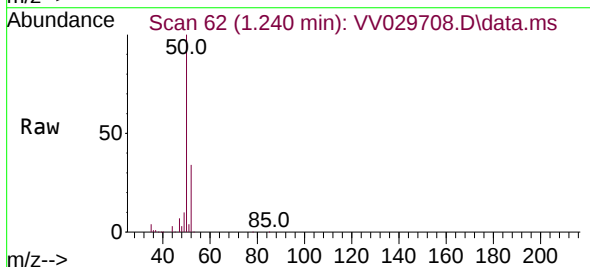
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 MSVOA_V
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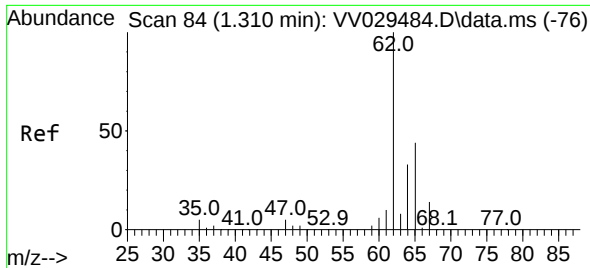
Tgt Ion: 85 Resp: 160087
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 49.833 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

Tgt Ion: 50 Resp: 201603
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.3 43.3

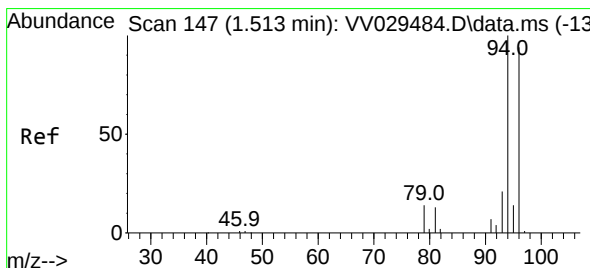
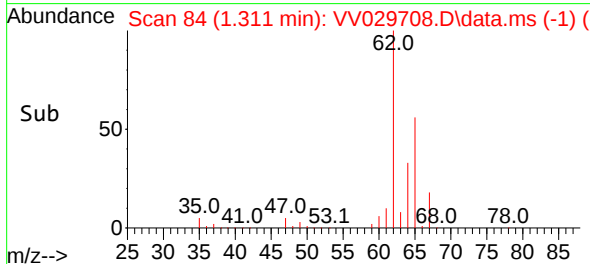
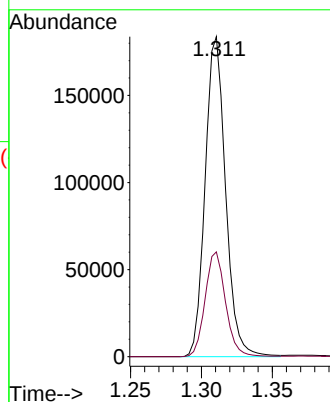
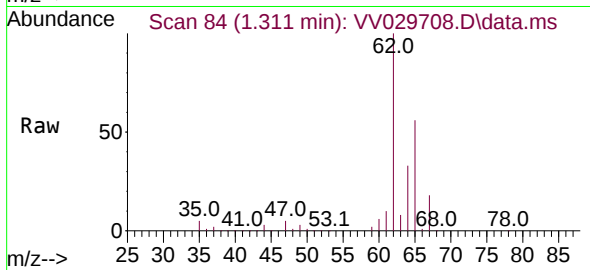




#5
 Vinyl chloride
 Concen: 54.426 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

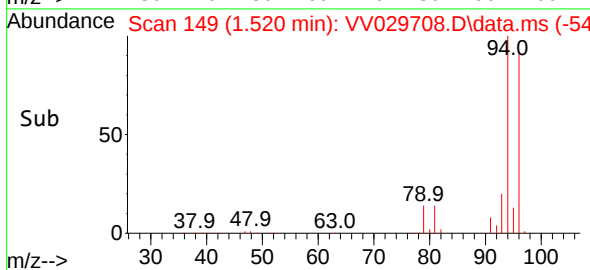
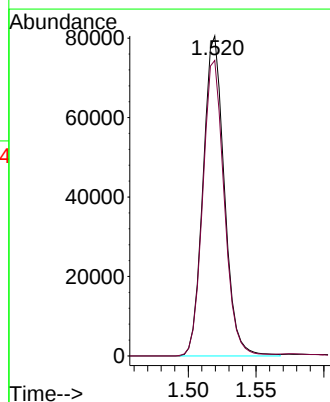
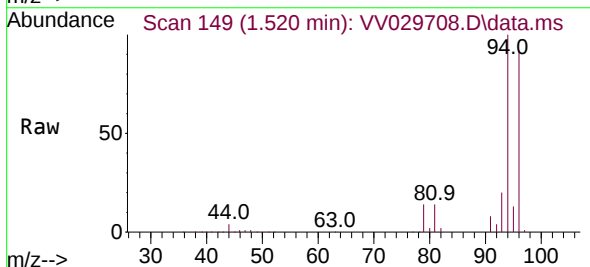
Instrument :
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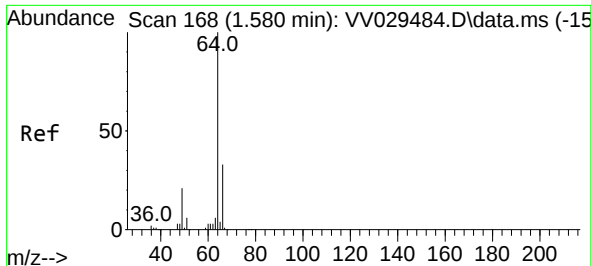
Tgt Ion: 62 Resp: 184222
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.9



#6
 Bromomethane
 Concen: 64.484 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

Tgt Ion: 94 Resp: 87824
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.1 120.9

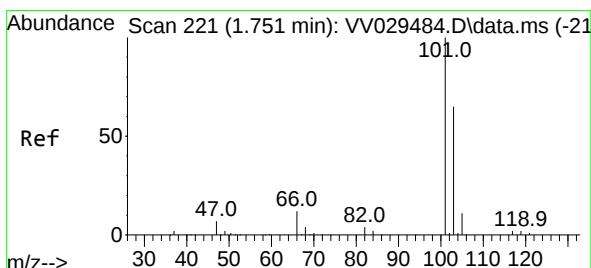
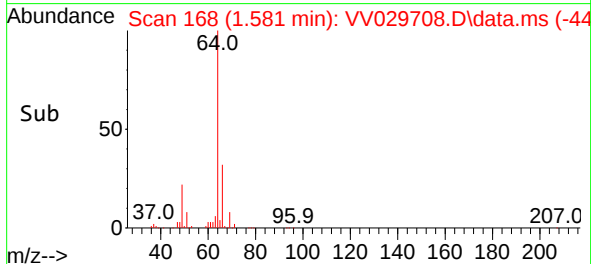
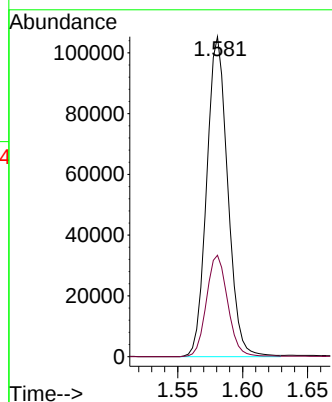
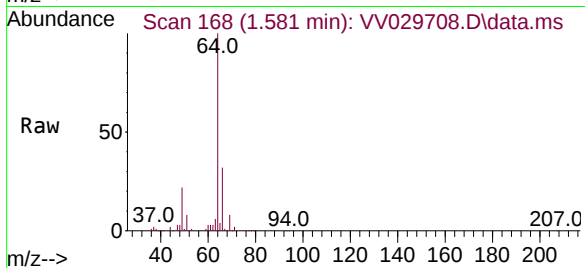




#8
Chloroethane
Concen: 62.888 ug/L
RT: 1.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

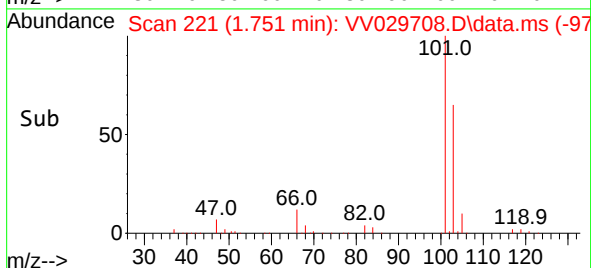
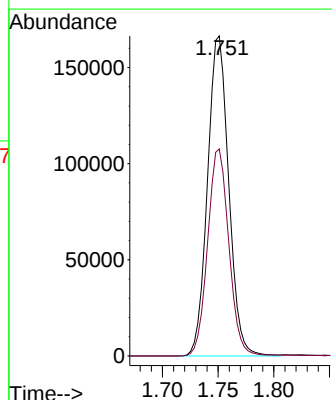
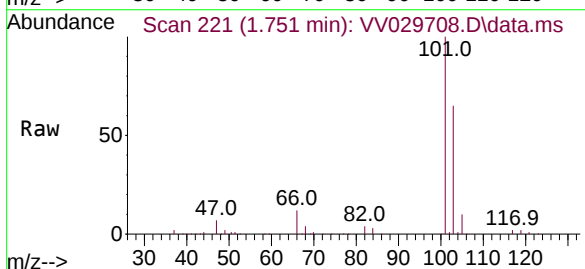
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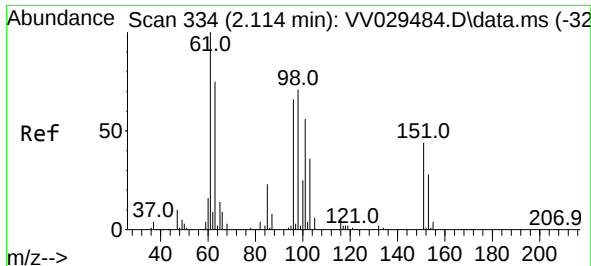
Tgt Ion: 64 Resp: 118528
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.027 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion:101 Resp: 220451
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

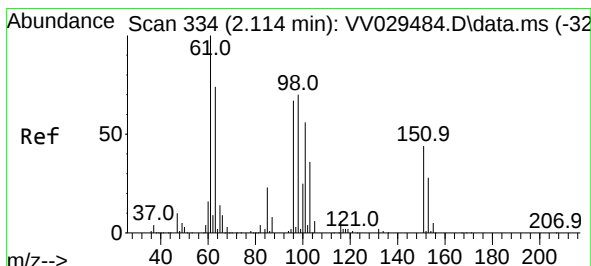
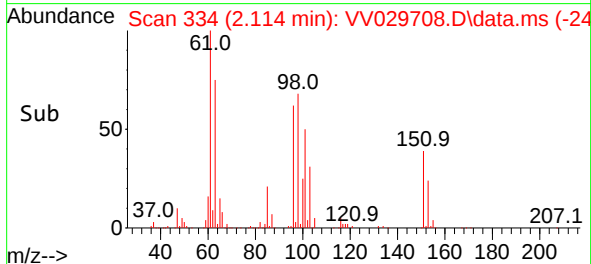
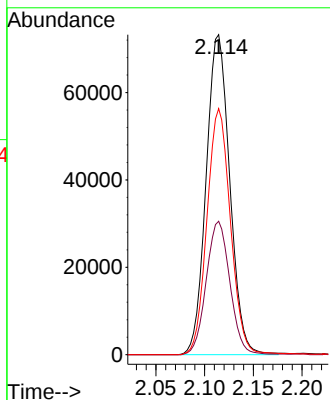
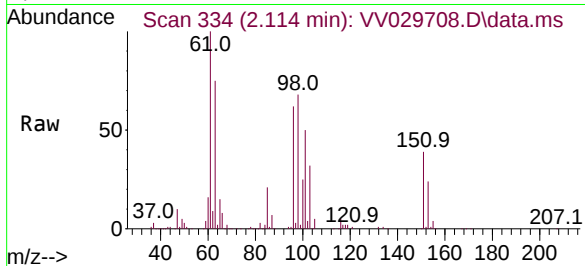




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.483 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

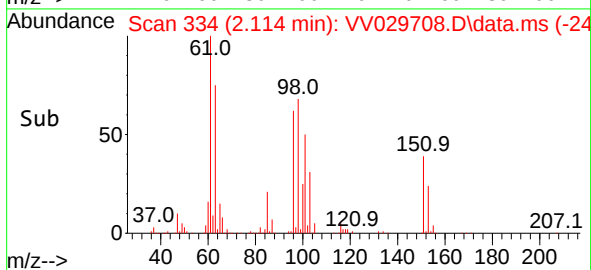
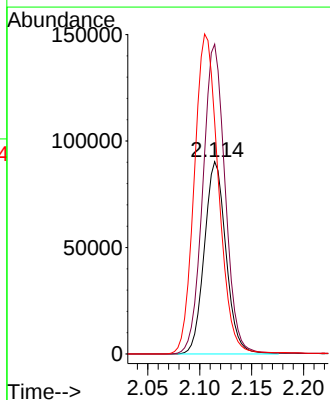
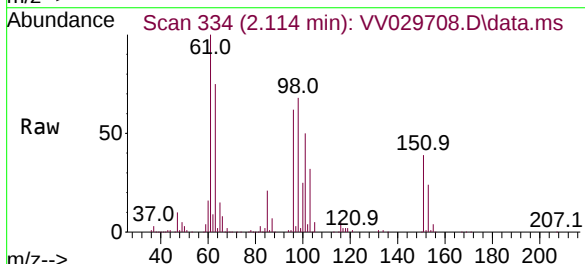
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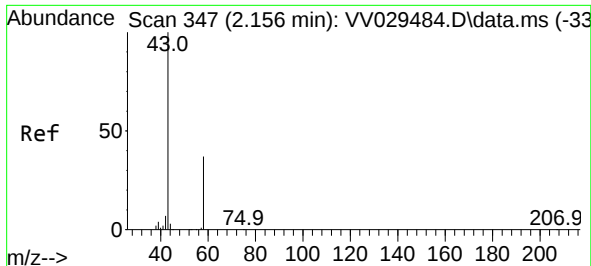
Tgt Ion:101 Resp: 123570
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.6 50.4
 151 76.8 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 54.178 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

Tgt Ion: 96 Resp: 130454
 Ion Ratio Lower Upper
 96 100
 61 161.0 103.3 191.9
 63 120.5 77.3 143.7





#13

Acetone

Concen: 112.492 ug/L

RT: 2.163 min Scan# 34

Delta R.T. 0.006 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

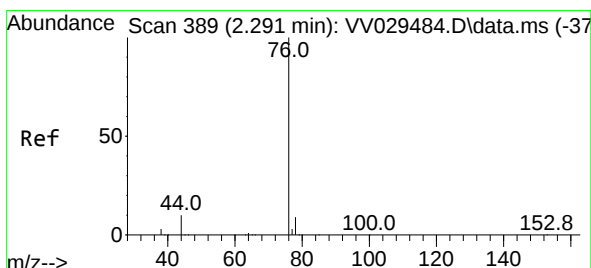
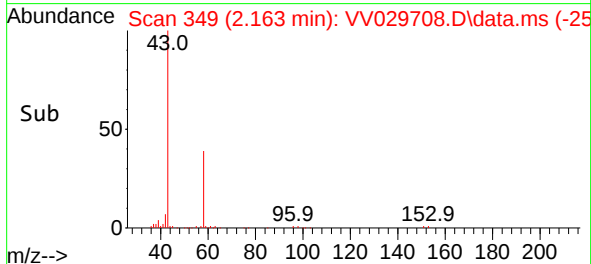
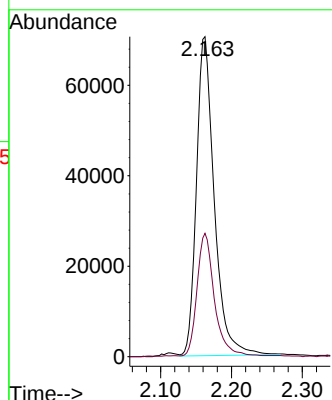
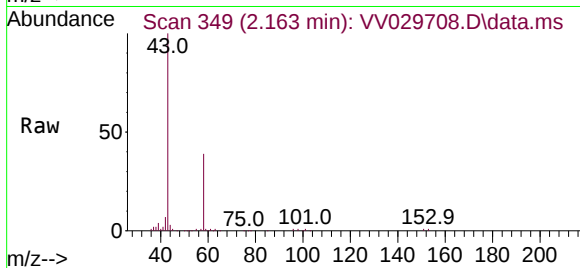
VSTD050391

Tgt Ion: 43 Resp: 123317

Ion Ratio Lower Upper

43 100

58 37.1 0.0 74.8



#14

Carbon disulfide

Concen: 45.881 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029708.D

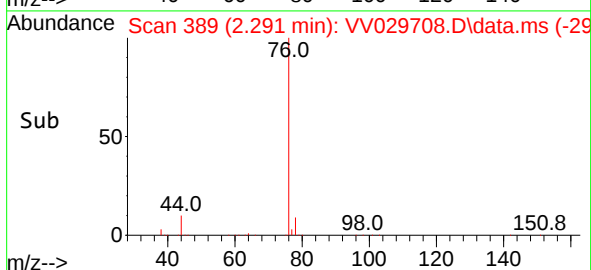
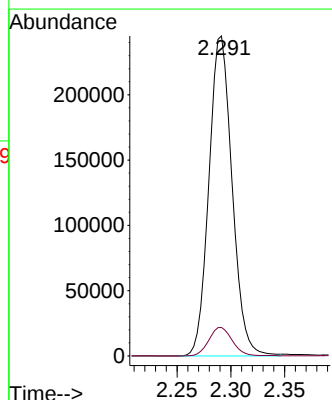
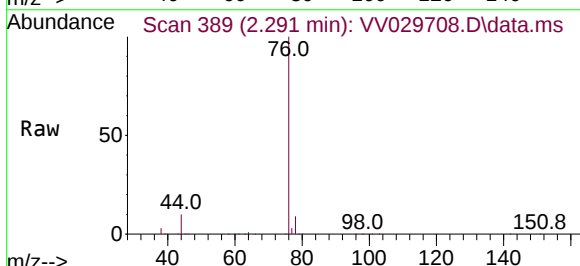
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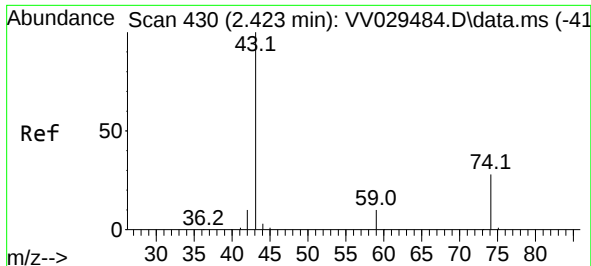
Tgt Ion: 76 Resp: 367680

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

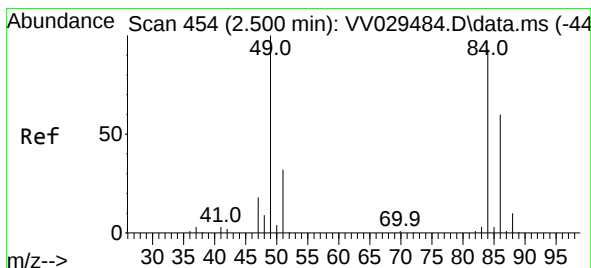
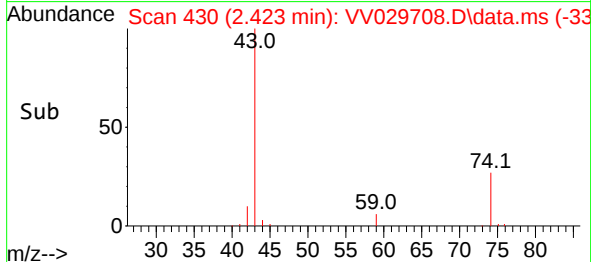
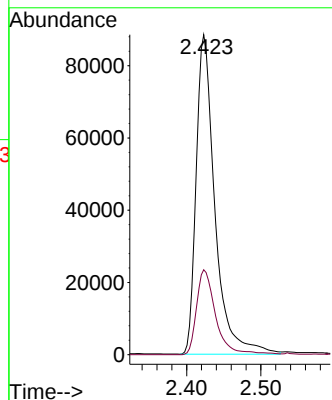
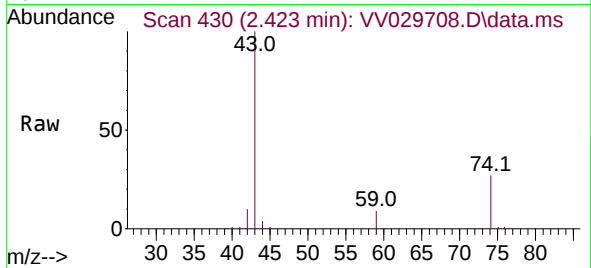




#15
Methyl Acetate
Concen: 62.277 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

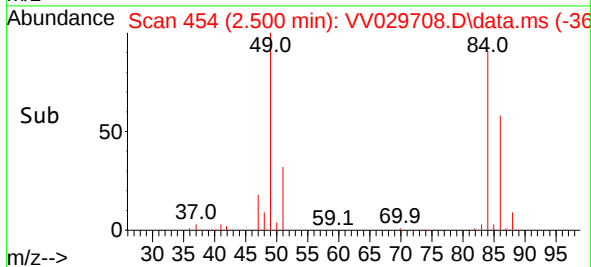
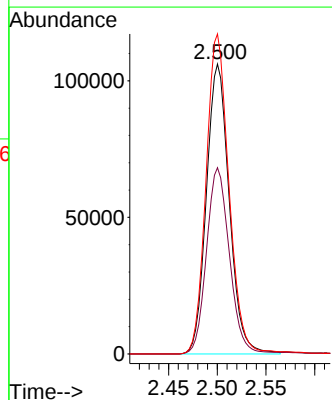
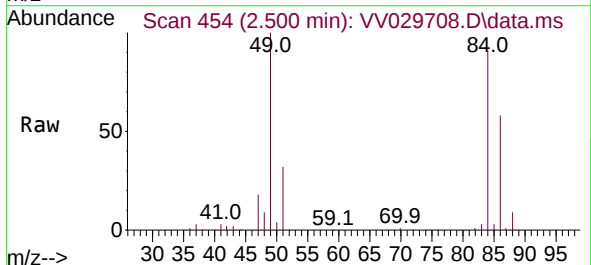
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

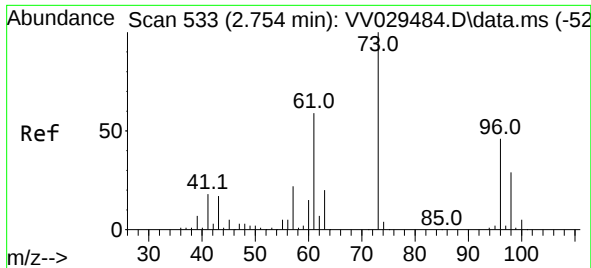
Tgt Ion: 43 Resp: 155540
Ion Ratio Lower Upper
43 100
74 26.8 23.5 35.3



#16
Methylene chloride
Concen: 57.792 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 84 Resp: 173022
Ion Ratio Lower Upper
84 100
86 64.2 46.0 85.4
49 110.4 72.2 134.0

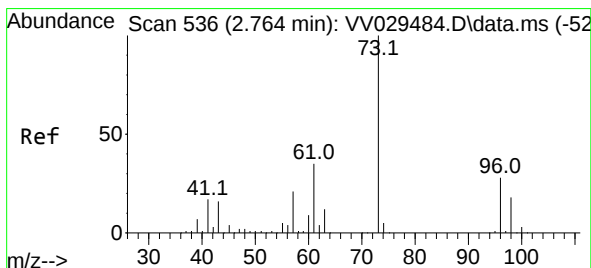
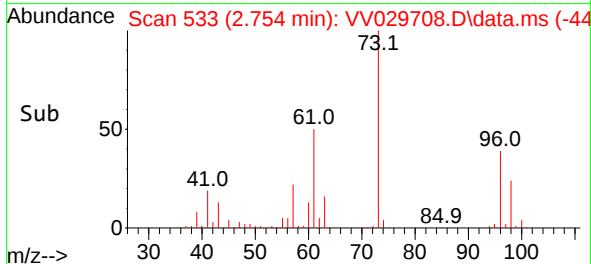
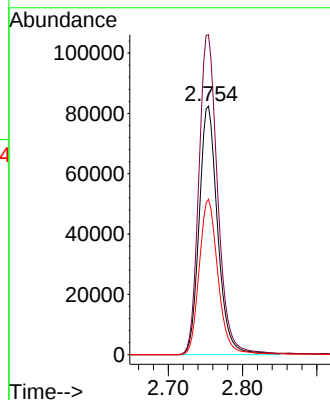
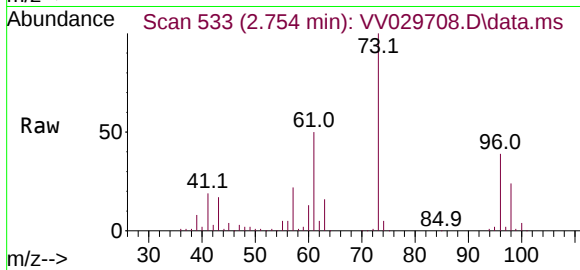




#17
trans-1,2-Dichloroethene
Concen: 51.511 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

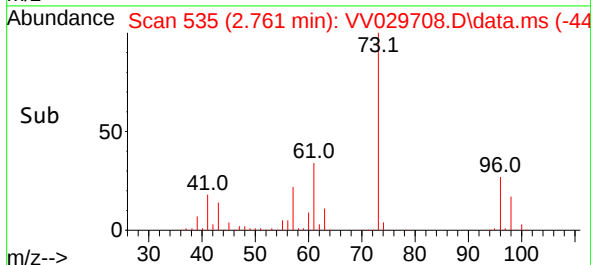
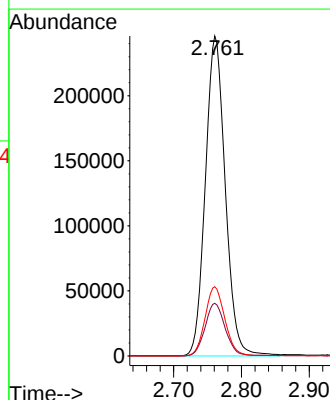
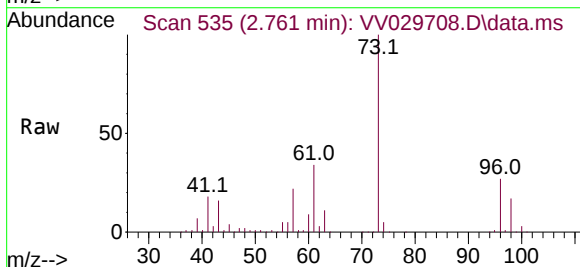
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

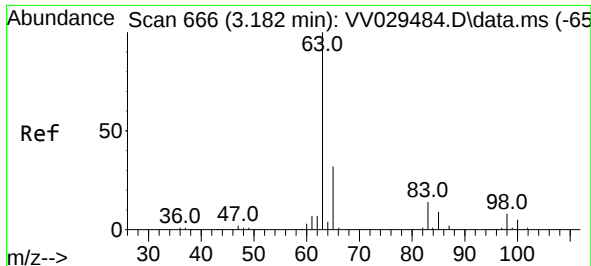
Tgt Ion: 96 Resp: 142914
Ion Ratio Lower Upper
96 100
61 128.7 86.4 160.4
98 62.5 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 59.038 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 73 Resp: 501843
Ion Ratio Lower Upper
73 100
43 16.5 12.7 19.1
57 21.5 16.7 25.1





#19

1,1-Dichloroethane

Concen: 58.011 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

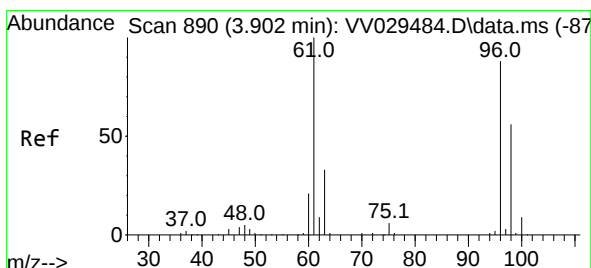
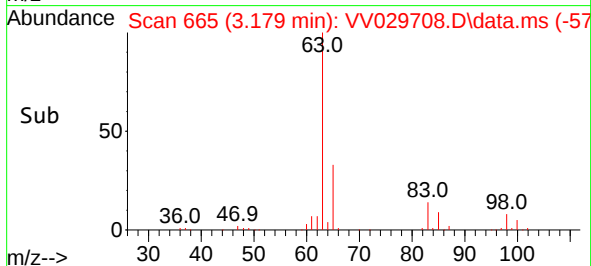
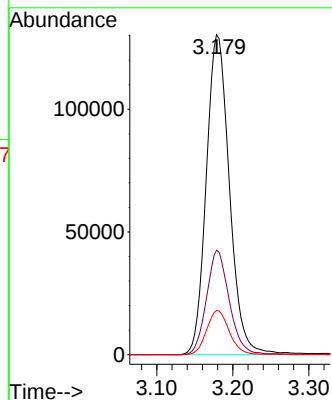
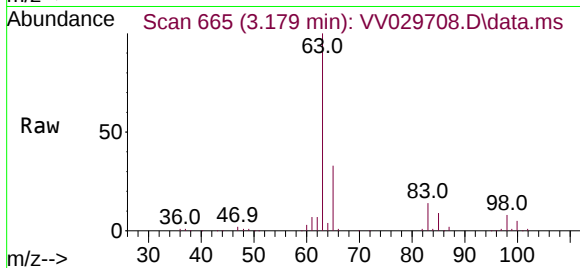
Tgt Ion: 63 Resp: 275724

Ion Ratio Lower Upper

63 100

65 32.7 22.5 41.7

83 13.8 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 53.961 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

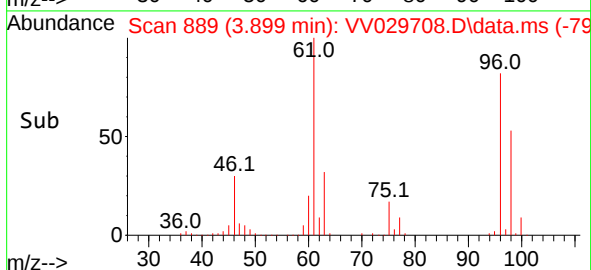
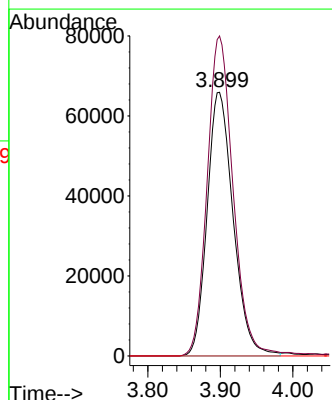
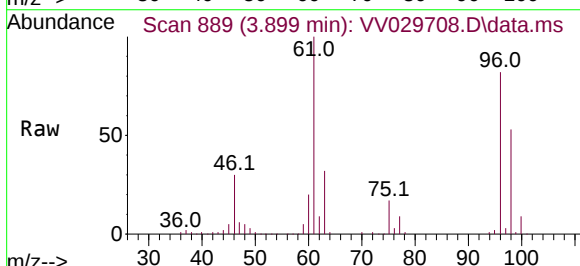
Tgt Ion: 96 Resp: 164626

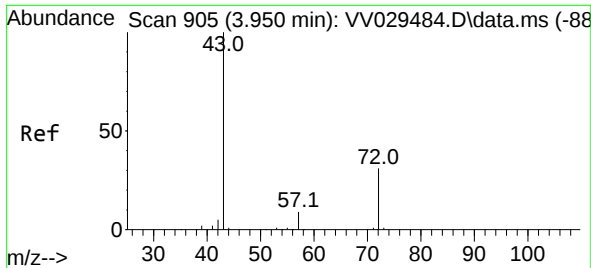
Ion Ratio Lower Upper

96 100

61 121.3 78.0 144.9

68 0.0 0.0 0.0

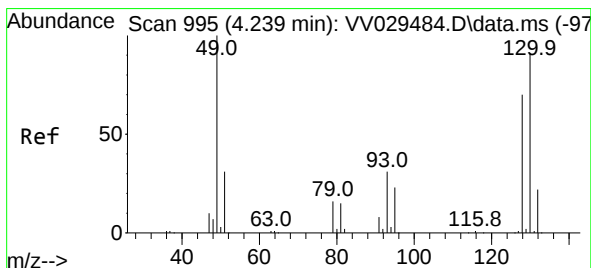
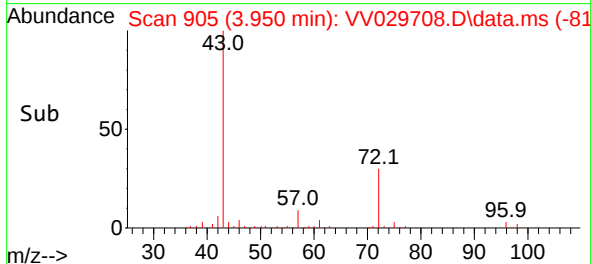
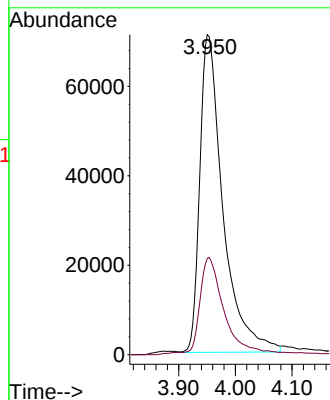
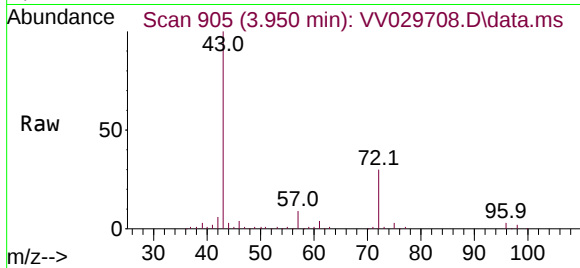




#22
2-Butanone
Concen: 115.605 ug/L
RT: 3.950 min Scan# 905
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

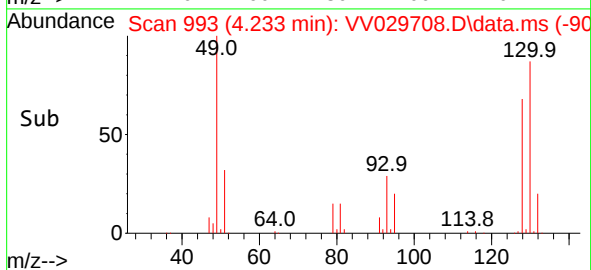
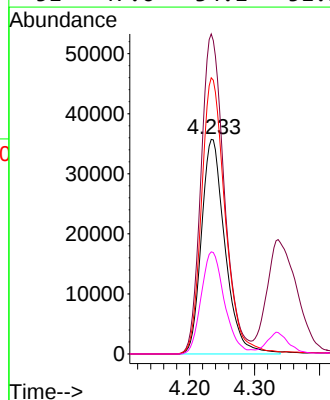
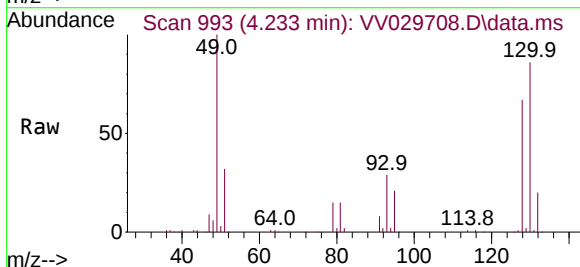
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

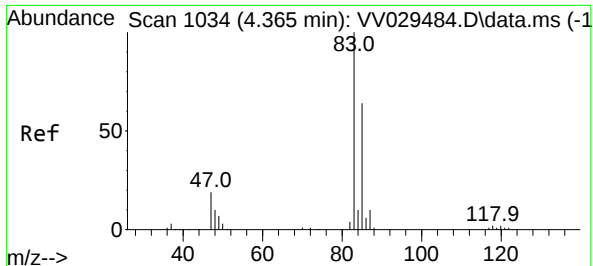
Tgt Ion: 43 Resp: 201649
Ion Ratio Lower Upper
43 100
72 29.7 15.9 47.6



#23
Bromochloromethane
Concen: 57.319 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 128 Resp: 90046
Ion Ratio Lower Upper
128 100
49 149.1 92.2 171.2
130 128.7 88.3 164.1
51 47.6 34.1 51.1





#25

Chloroform

Concen: 56.553 ug/L

RT: 4.362 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

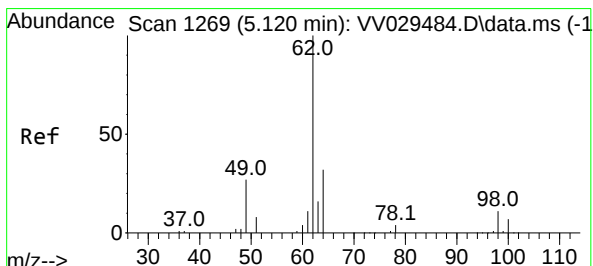
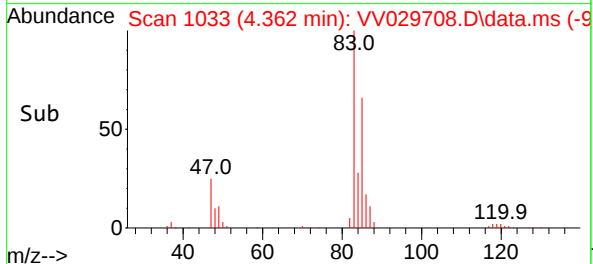
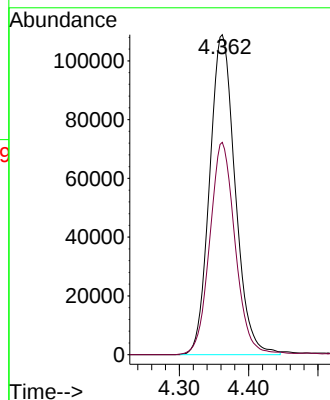
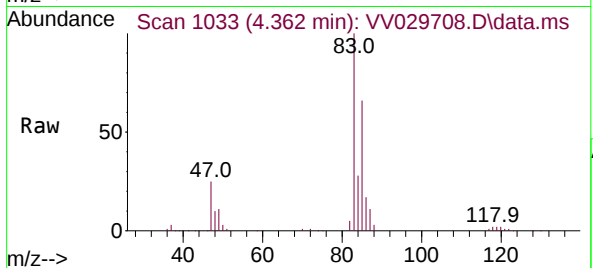
VSTD050391

Tgt Ion: 83 Resp: 278665

Ion Ratio Lower Upper

83 100

85 66.3 45.1 83.9



#27

1,2-Dichloroethane

Concen: 58.011 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.003 min

Lab File: VV029708.D

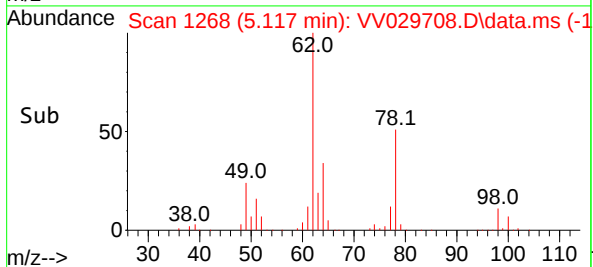
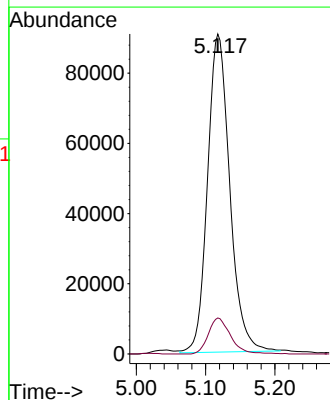
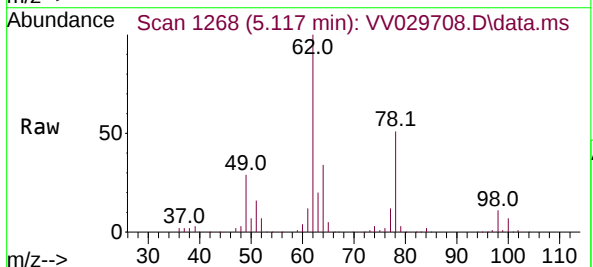
Acq: 19 Dec 2022 09:39

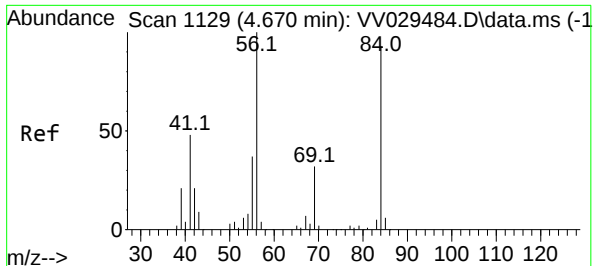
Tgt Ion: 62 Resp: 201926

Ion Ratio Lower Upper

62 100

98 11.3 9.4 14.0





#29

Cyclohexane

Concen: 46.933 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

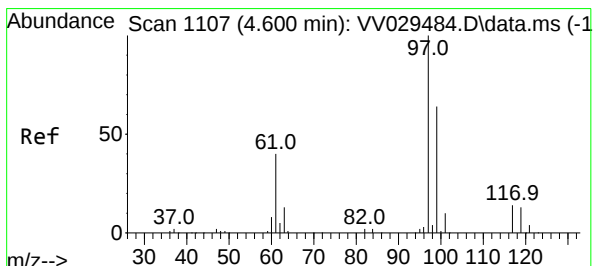
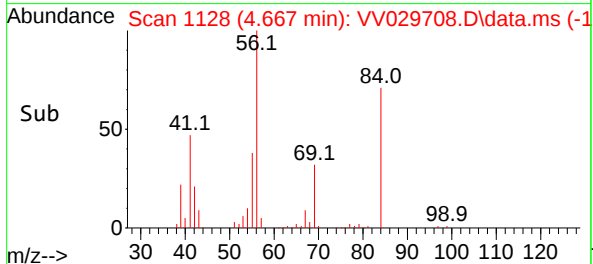
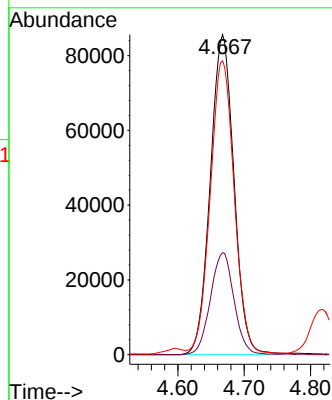
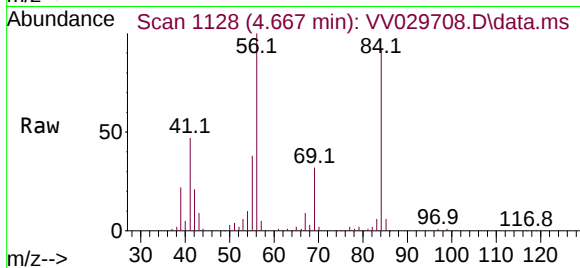
Tgt Ion: 56 Resp: 212094

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.8

84 92.9 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 50.879 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

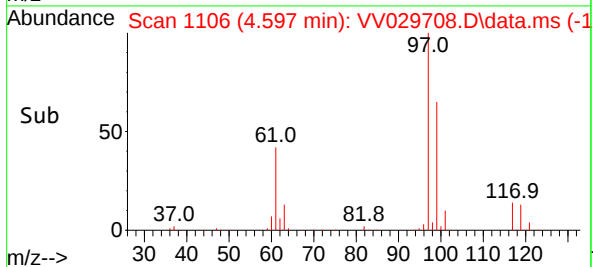
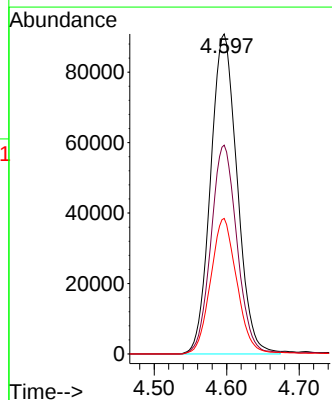
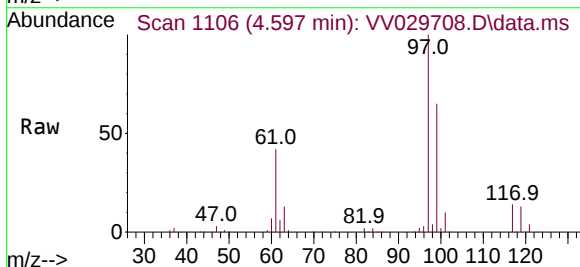
Tgt Ion: 97 Resp: 231250

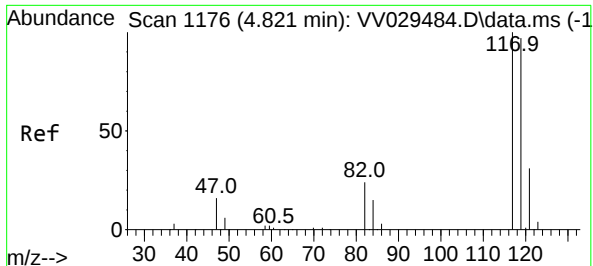
Ion Ratio Lower Upper

97 100

99 64.0 52.1 78.1

61 41.9 31.8 47.8

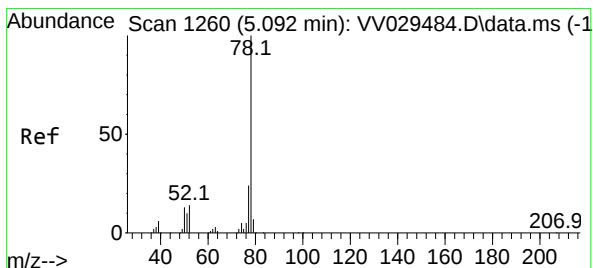
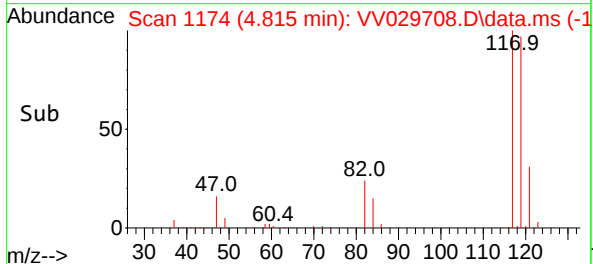
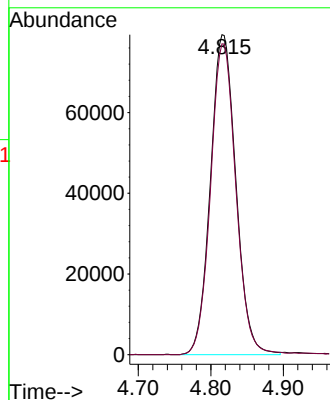
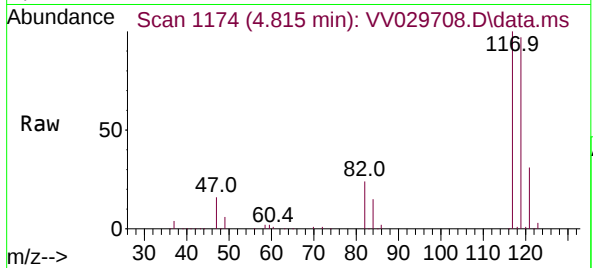




#31
Carbon tetrachloride
Concen: 48.730 ug/L
RT: 4.815 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

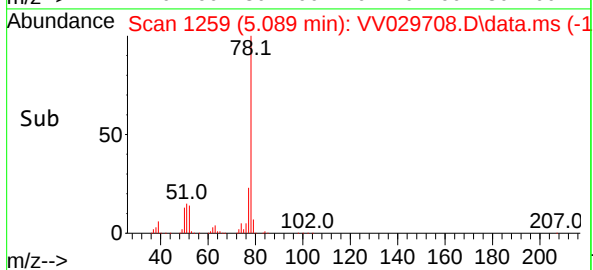
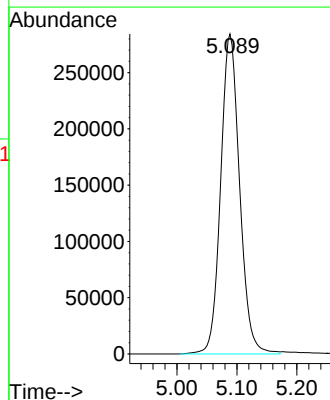
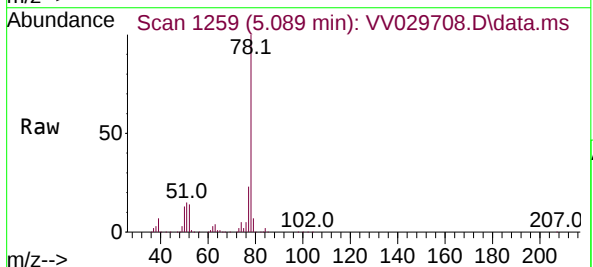
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

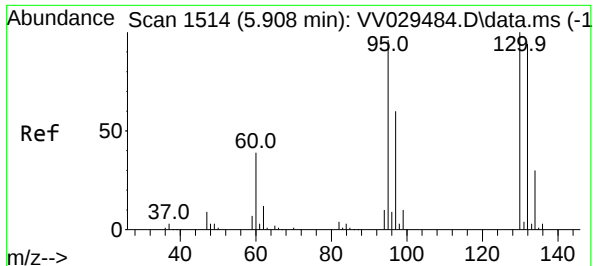
Tgt Ion:117 Resp: 193411
Ion Ratio Lower Upper
117 100
119 96.6 76.7 115.1



#33
Benzene
Concen: 52.926 ug/L
RT: 5.089 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 78 Resp: 622358





#34

Trichloroethene

Concen: 49.984 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

Tgt Ion: 95 Resp: 147285

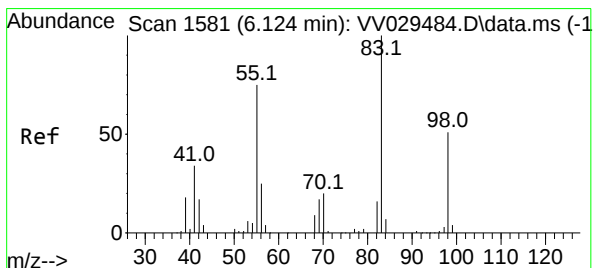
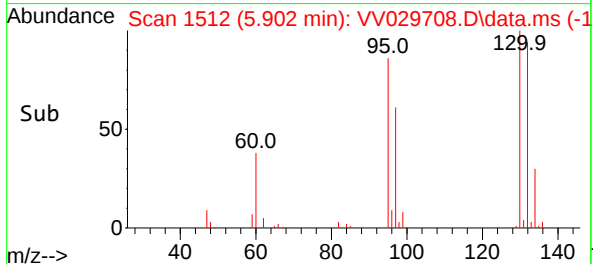
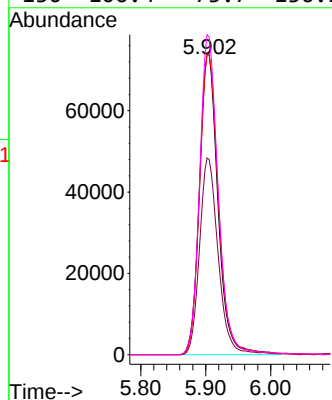
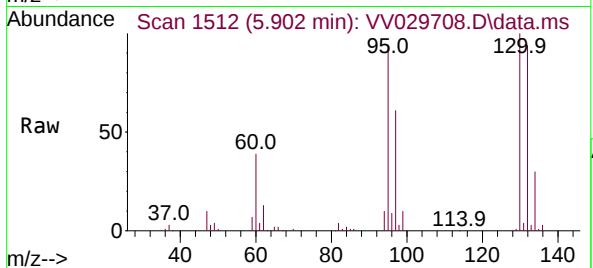
Ion Ratio Lower Upper

95 100

97 65.4 44.0 81.8

132 99.9 69.9 129.9

130 106.4 73.7 136.9



#35

Methylcyclohexane

Concen: 43.939 ug/L

RT: 6.121 min Scan# 1580

Delta R.T. -0.003 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

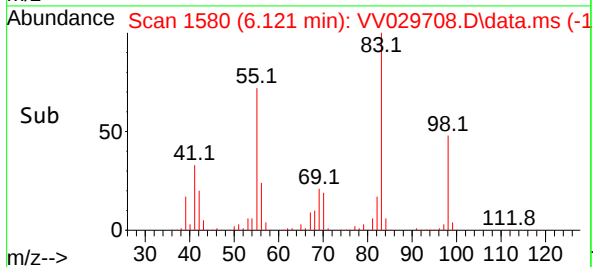
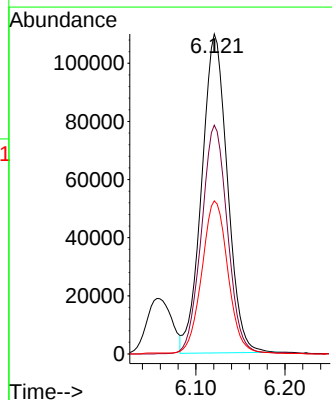
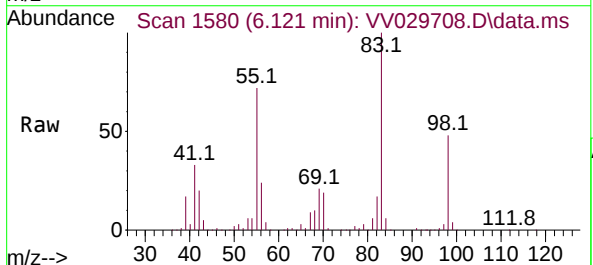
Tgt Ion: 83 Resp: 219899

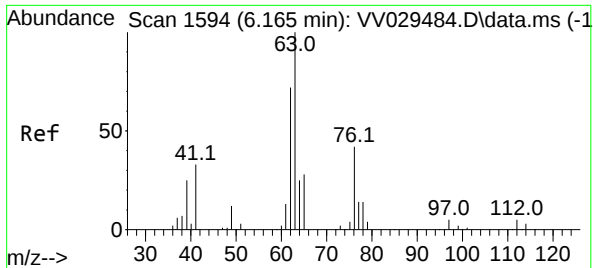
Ion Ratio Lower Upper

83 100

55 73.0 55.5 83.3

98 48.7 39.8 59.8





#37

1,2-Dichloropropane

Concen: 58.053 ug/L

RT: 6.162 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

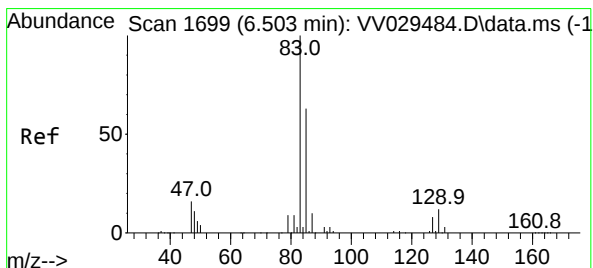
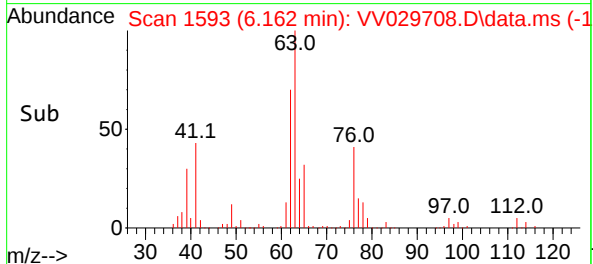
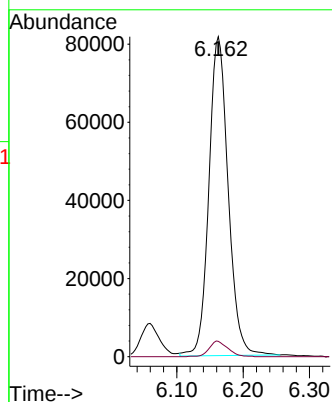
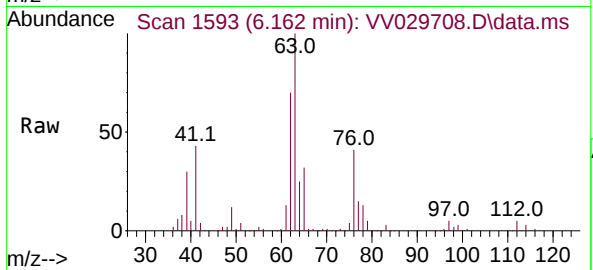
VSTD050391

Tgt Ion: 63 Resp: 164763

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



#38

Bromodichloromethane

Concen: 54.002 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

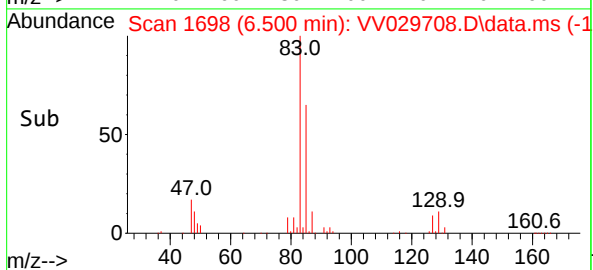
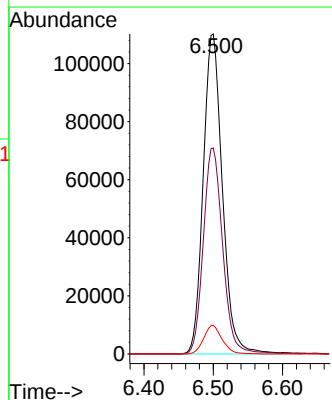
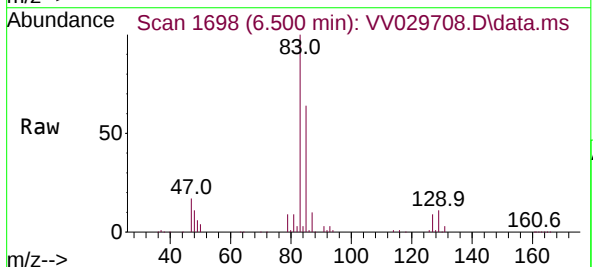
Tgt Ion: 83 Resp: 211577

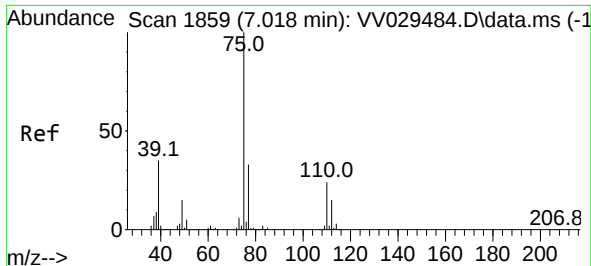
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

127 8.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 38.208 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

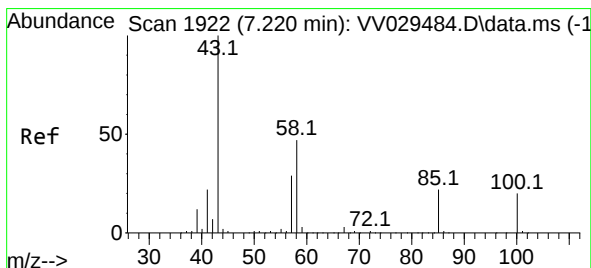
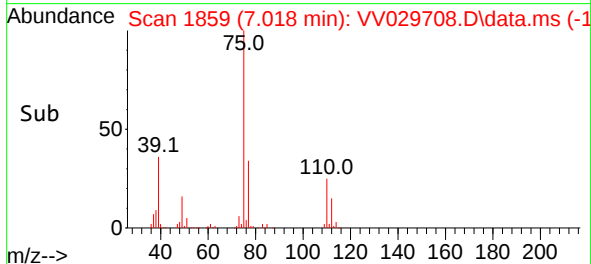
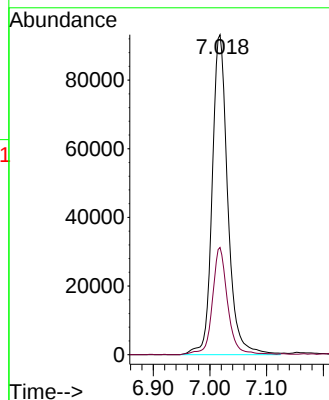
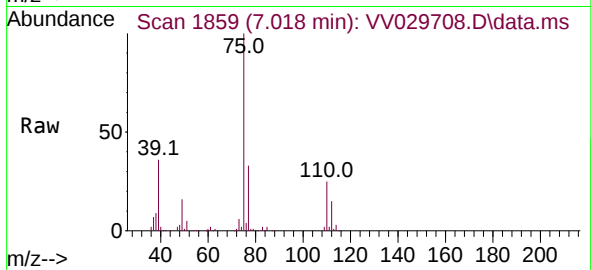
VSTD050391

Tgt Ion: 75 Resp: 178343

Ion Ratio Lower Upper

75 100

77 33.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 124.274 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.003 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

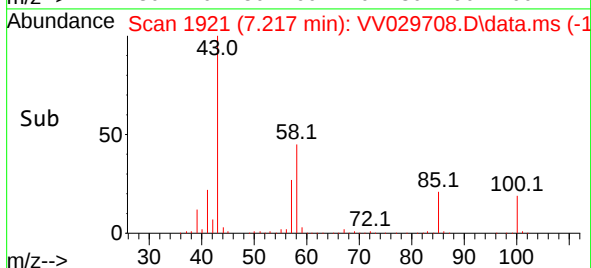
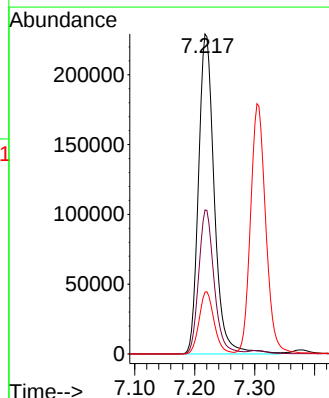
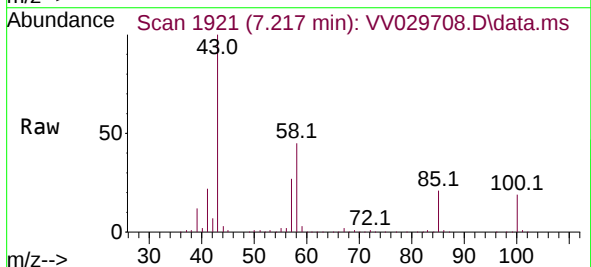
Tgt Ion: 43 Resp: 420533

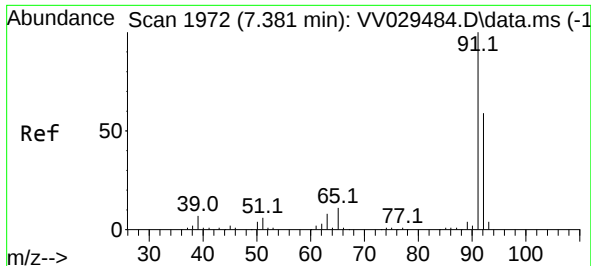
Ion Ratio Lower Upper

43 100

58 44.1 37.5 56.3

100 18.5 16.7 25.1





#42

Toluene

Concen: 50.855 ug/L

RT: 7.378 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

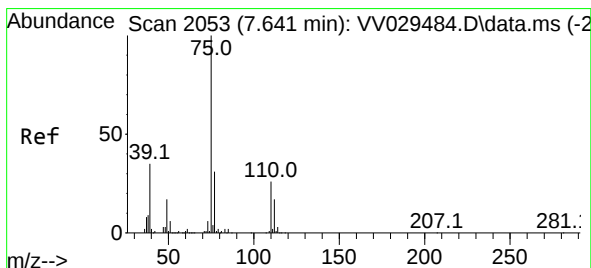
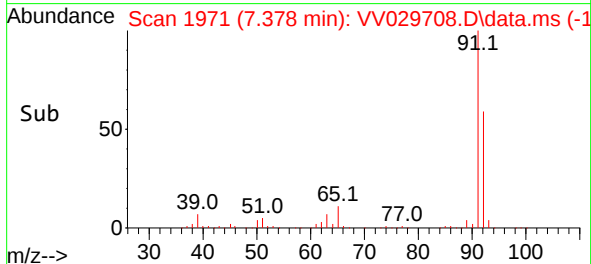
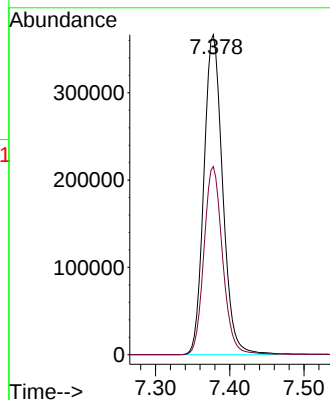
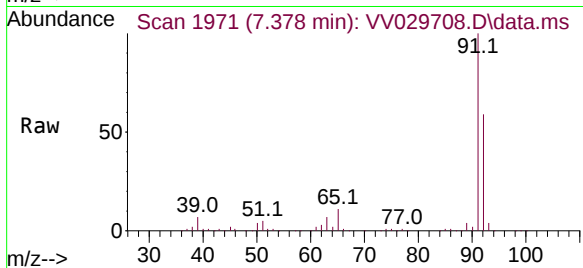
VSTD050391

Tgt Ion: 91 Resp: 643646

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 39.926 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029708.D

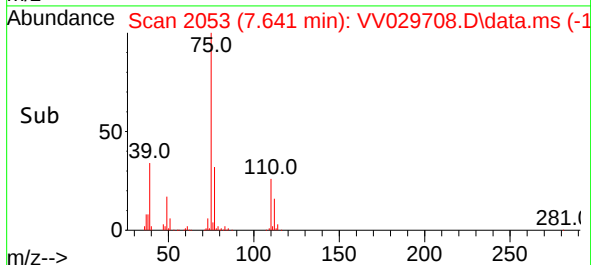
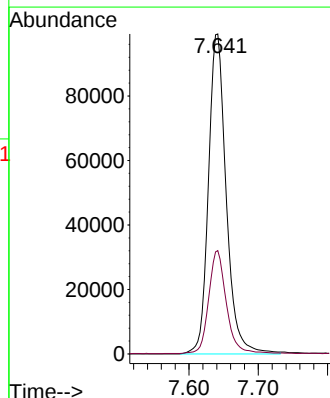
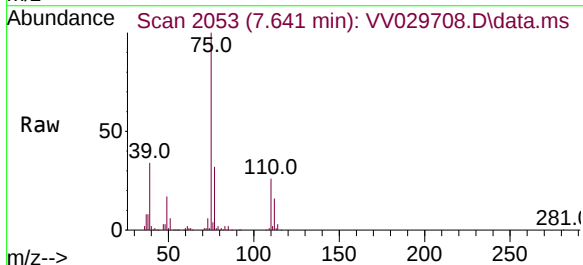
Acq: 19 Dec 2022 09:39

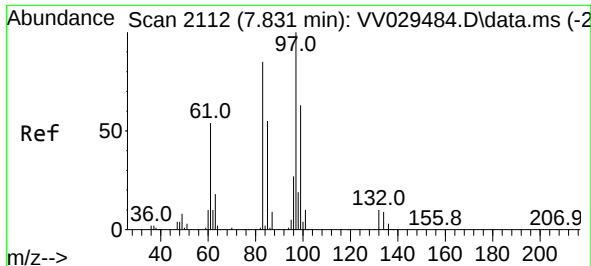
Tgt Ion: 75 Resp: 176484

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



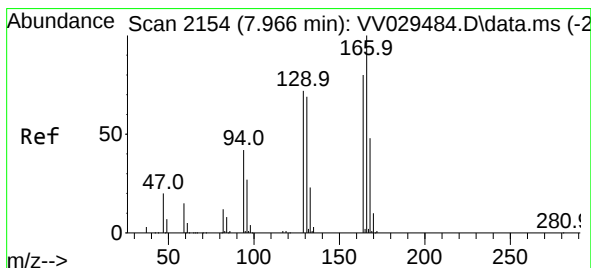
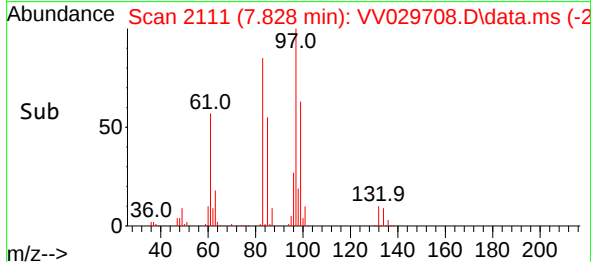
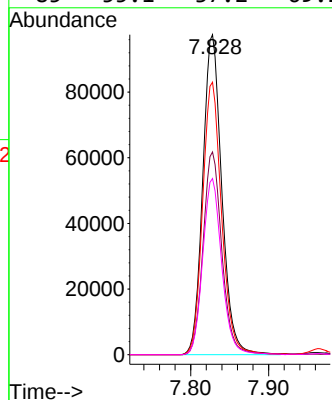
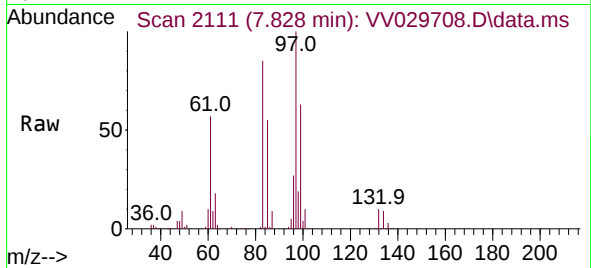


#45
1,1,2-Trichloroethane
Concen: 56.509 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

Tgt Ion: 97 Resp: 165693

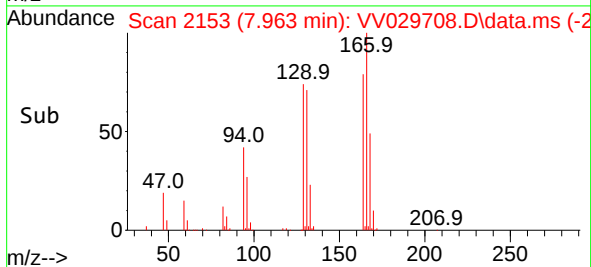
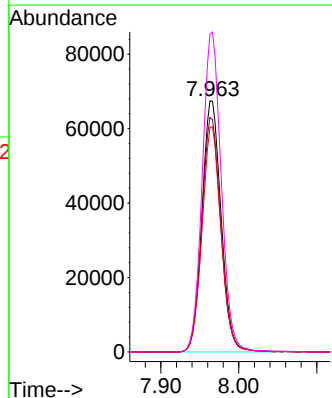
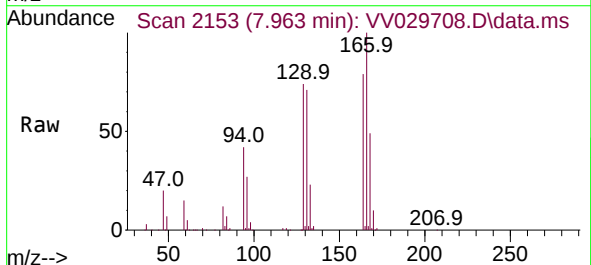
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.8	81.3
83	85.2	58.6	108.8
85	55.1	37.2	69.2

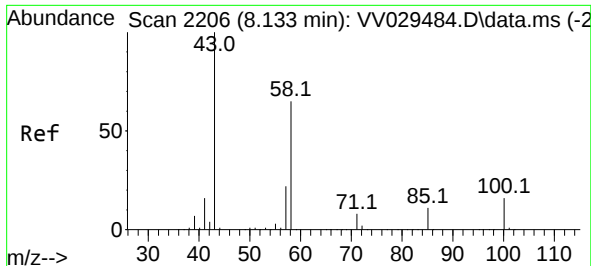


#46
Tetrachloroethene
Concen: 48.692 ug/L
RT: 7.963 min Scan# 2153
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 164 Resp: 115354

Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.3	121.3
131	89.5	63.1	117.1
166	126.6	90.8	168.6



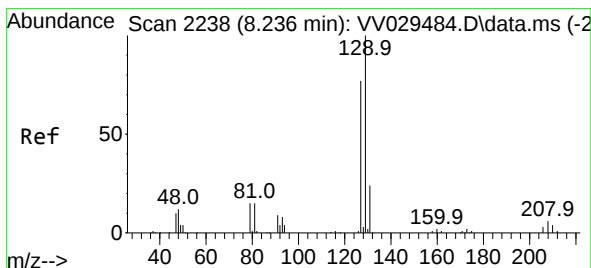
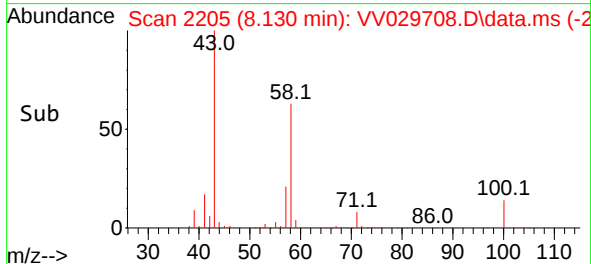
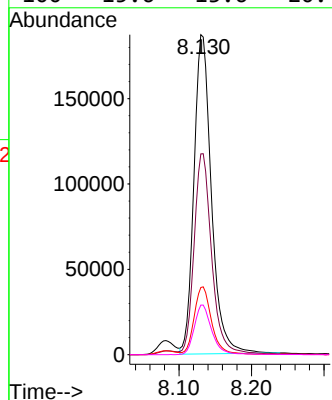
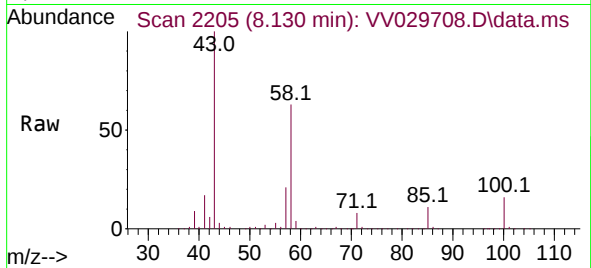


#48
2-Hexanone
Concen: 121.266 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

Tgt Ion: 43 Resp: 313509

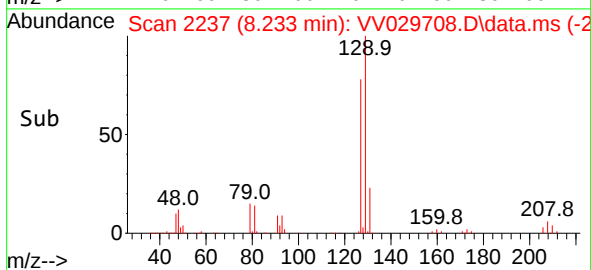
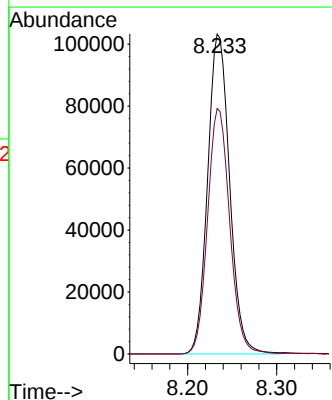
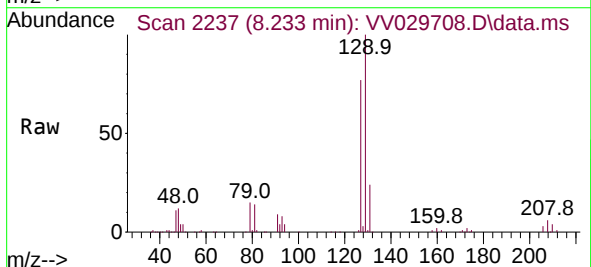
Ion	Ratio	Lower	Upper
43	100		
58	62.7	54.1	81.1
57	21.0	17.4	26.0
100	15.6	13.6	20.4

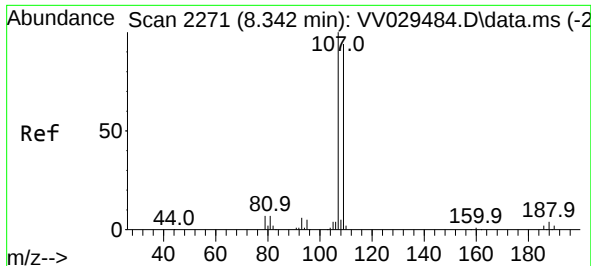


#49
Dibromochloromethane
Concen: 54.770 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 129 Resp: 177304

Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.2	102.4



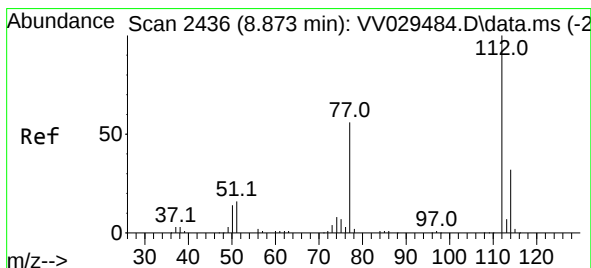
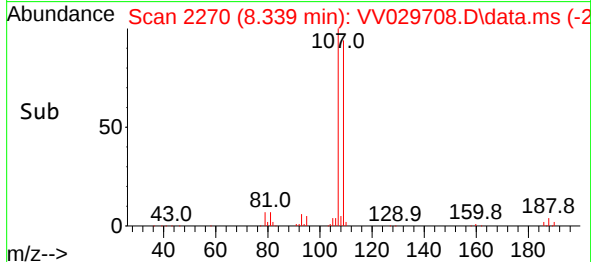
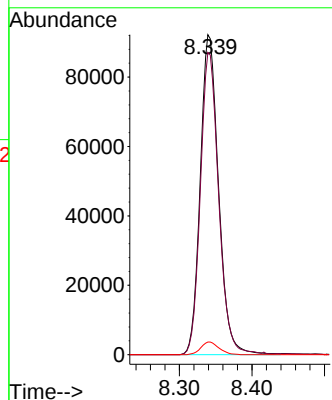
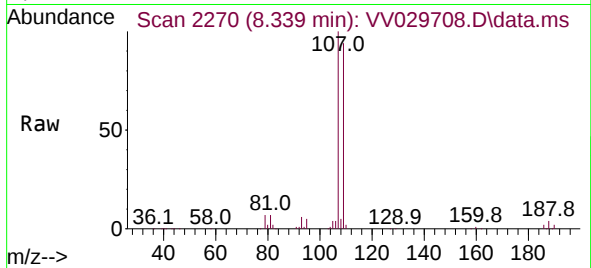


#50
 1,2-Dibromoethane
 Concen: 53.564 ug/L
 RT: 8.339 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050391

Tgt Ion:107 Resp: 161805

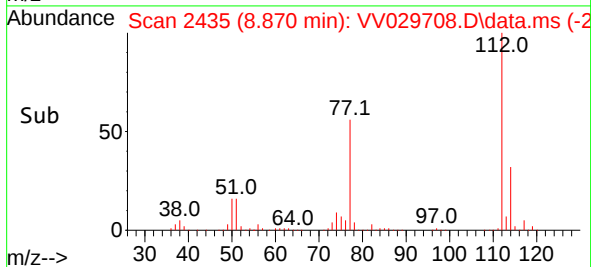
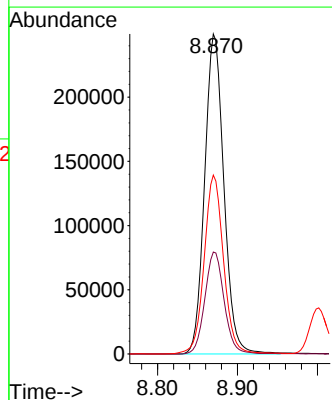
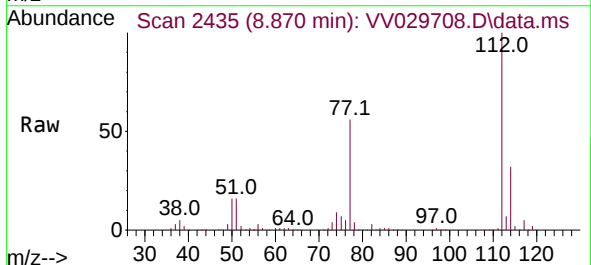
Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.0	122.6
188	3.9	3.2	4.8

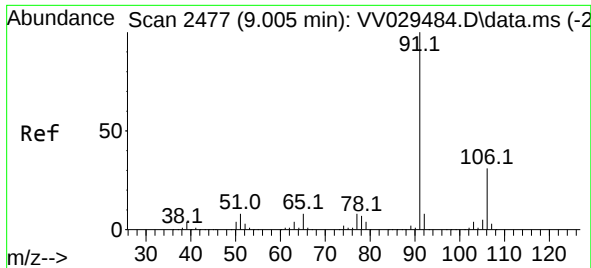


#51
 Chlorobenzene
 Concen: 52.080 ug/L
 RT: 8.870 min Scan# 2435
 Delta R.T. -0.000 min
 Lab File: VV029708.D
 Acq: 19 Dec 2022 09:39

Tgt Ion:112 Resp: 417392

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.3
77	55.9	45.0	67.4

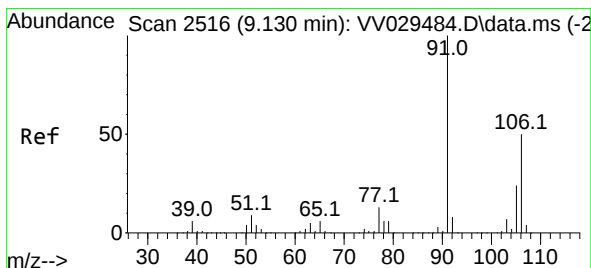
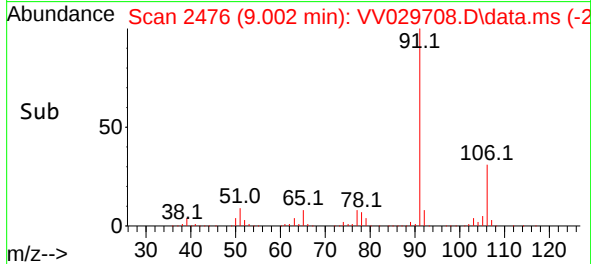
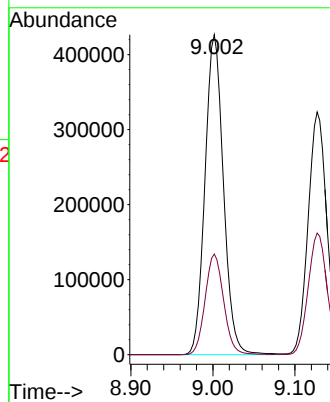
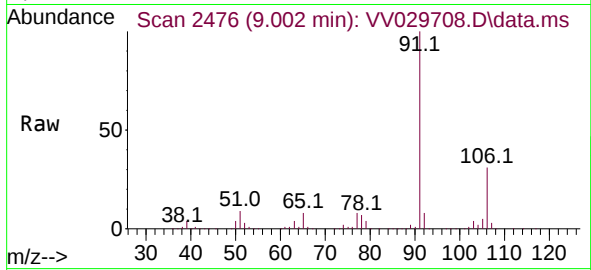




#52
Ethylbenzene
Concen: 50.095 ug/L
RT: 9.002 min Scan# 2477
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

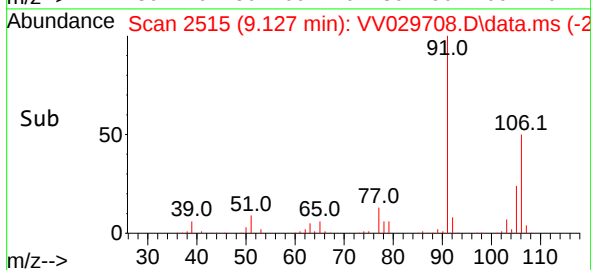
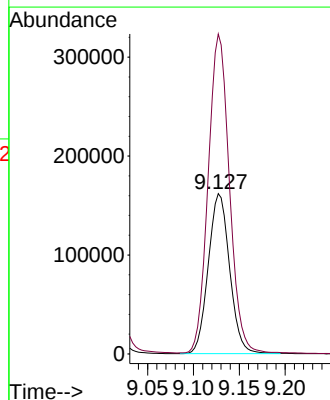
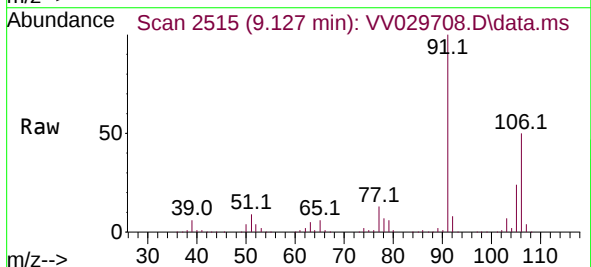
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

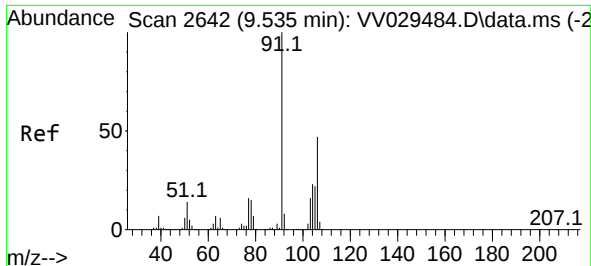
Tgt Ion: 91 Resp: 666583
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.6



#53
m,p-Xylene
Concen: 49.674 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 106 Resp: 261613
Ion Ratio Lower Upper
106 100
91 199.6 139.5 259.1

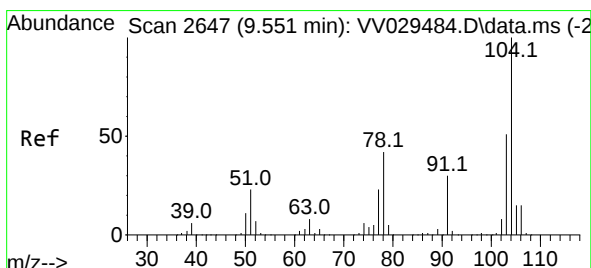
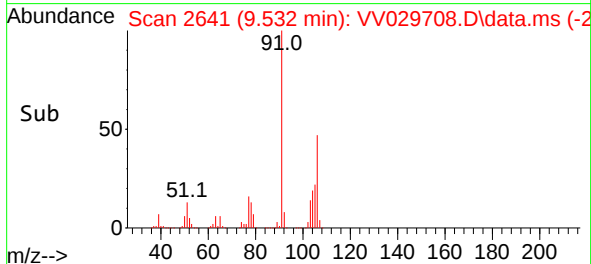
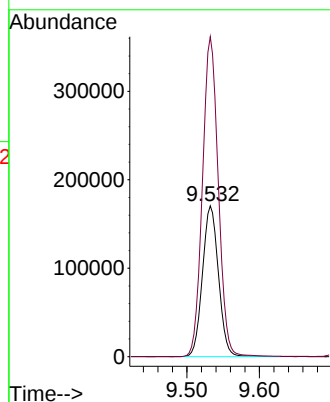
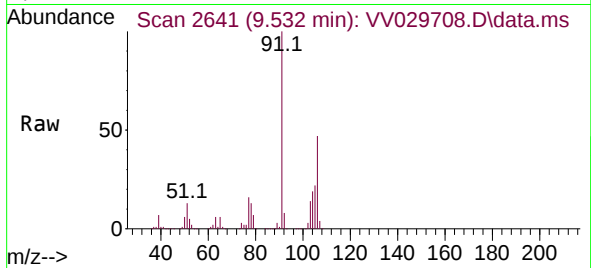




#54
o-Xylene
Concen: 50.242 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

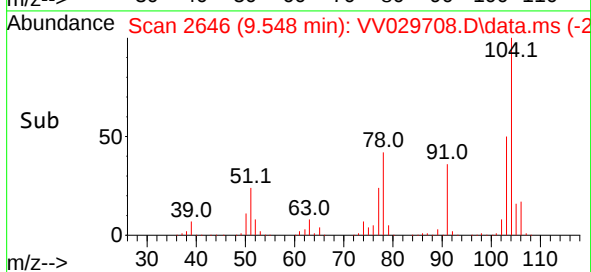
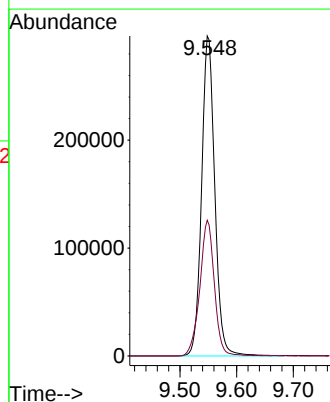
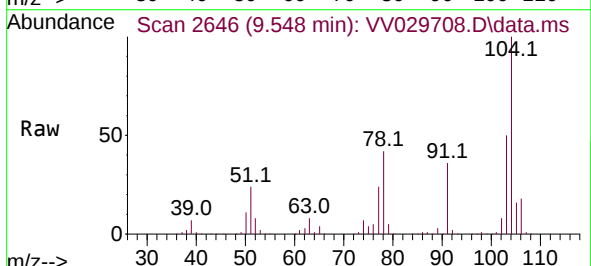
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

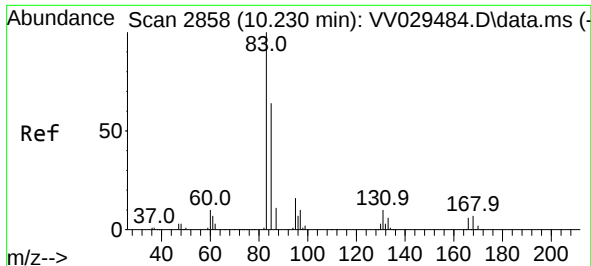
Tgt Ion:106 Resp: 261732
Ion Ratio Lower Upper
106 100
91 212.1 148.0 274.8



#55
Styrene
Concen: 53.050 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion:104 Resp: 480270
Ion Ratio Lower Upper
104 100
78 42.4 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 54.761 ug/L

RT: 10.230 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

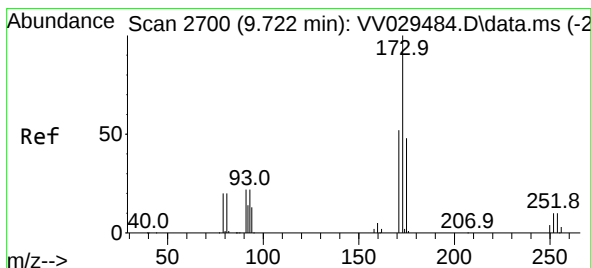
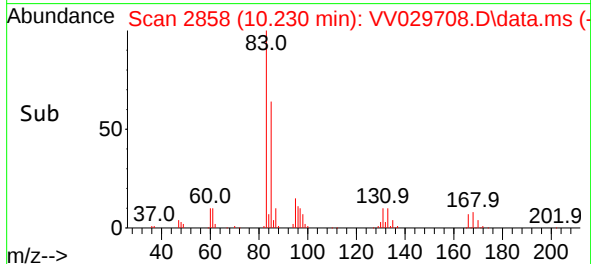
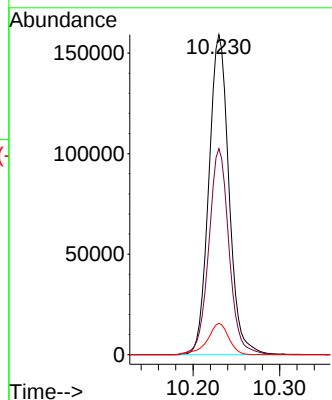
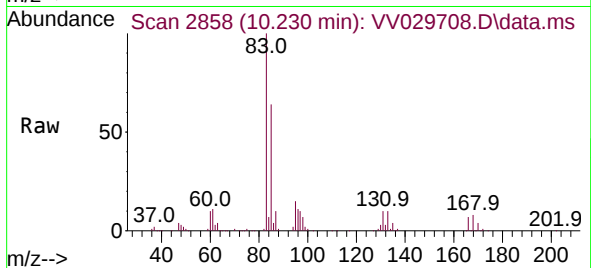
Tgt Ion: 83 Resp: 256848

Ion Ratio Lower Upper

83 100

85 64.4 45.7 84.9

131 9.8 7.9 11.9



#59

Bromoform

Concen: 53.605 ug/L

RT: 9.719 min Scan# 2699

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

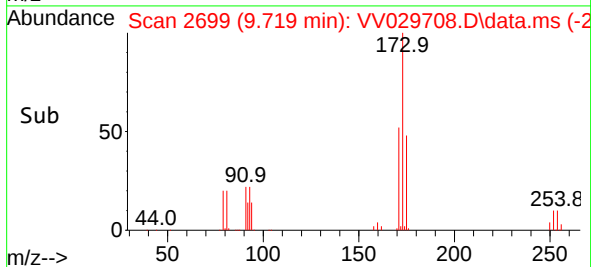
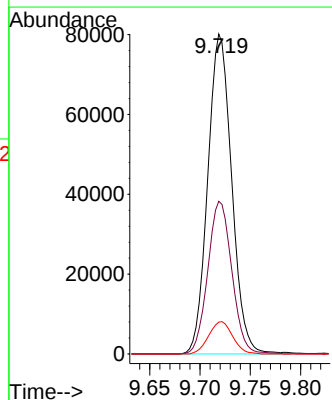
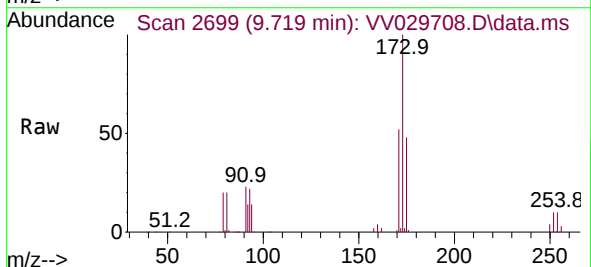
Tgt Ion: 173 Resp: 132563

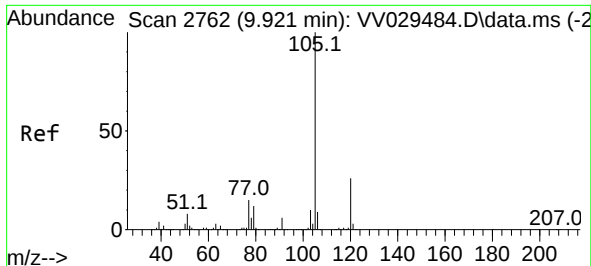
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 10.1 7.8 11.8

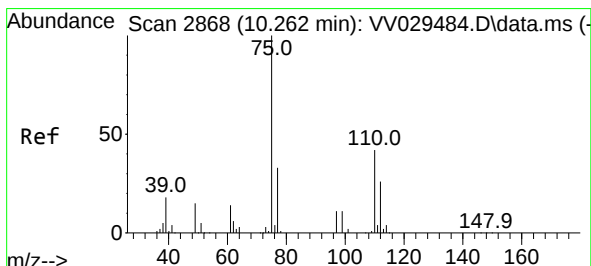
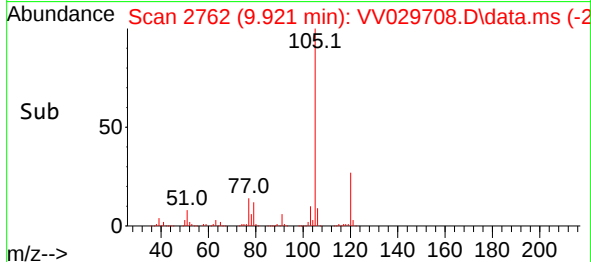
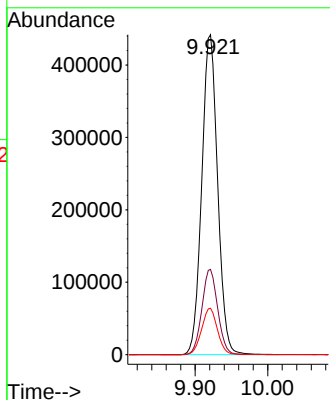
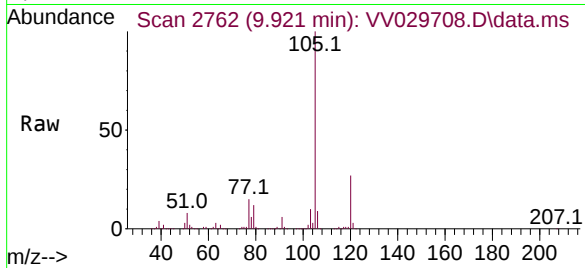




#60
Isopropylbenzene
Concen: 51.145 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

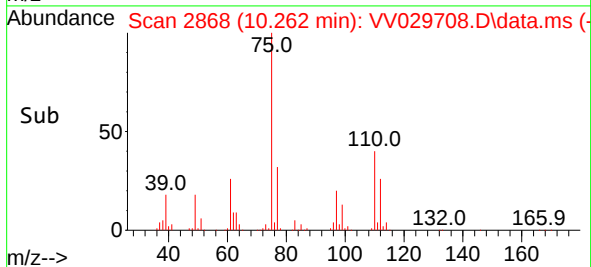
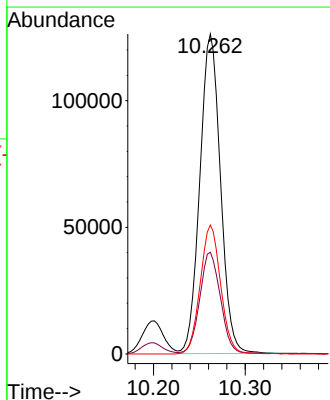
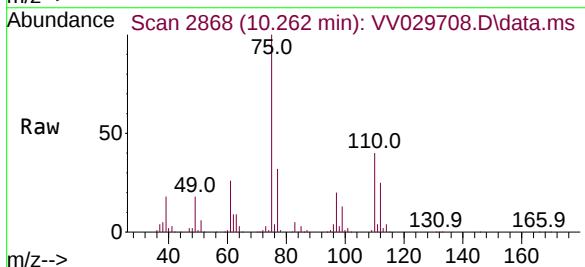
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

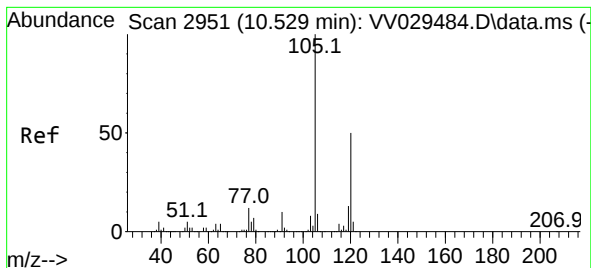
Tgt Ion:105 Resp: 672221
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 14.4 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 57.042 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 75 Resp: 197109
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
110 40.0 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 48.749 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

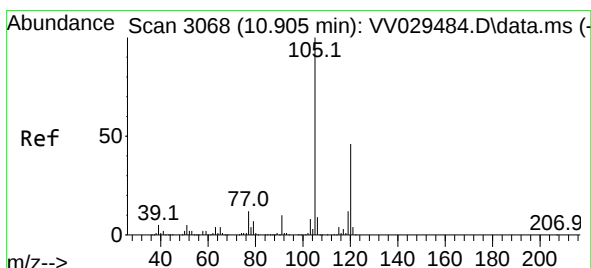
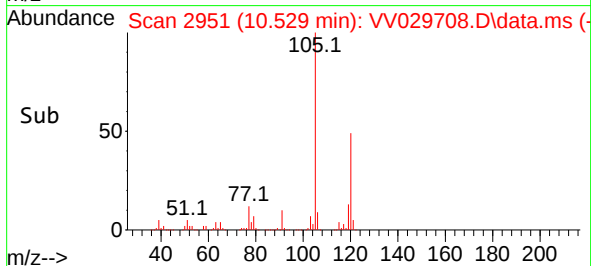
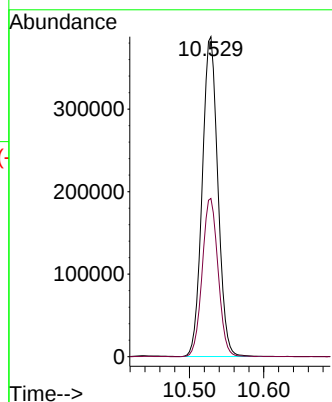
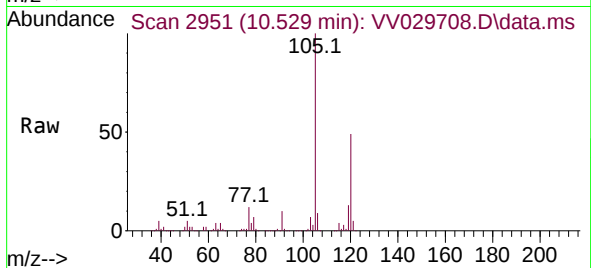
VSTD050391

Tgt Ion:105 Resp: 566524

Ion Ratio Lower Upper

105 100

120 50.2 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 49.211 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029708.D

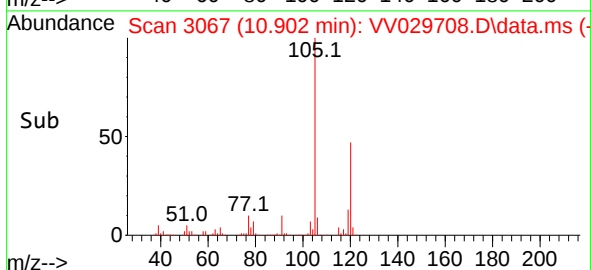
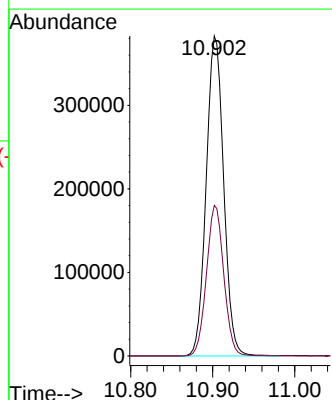
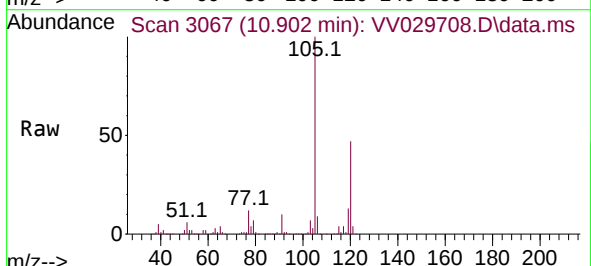
Acq: 19 Dec 2022 09:39

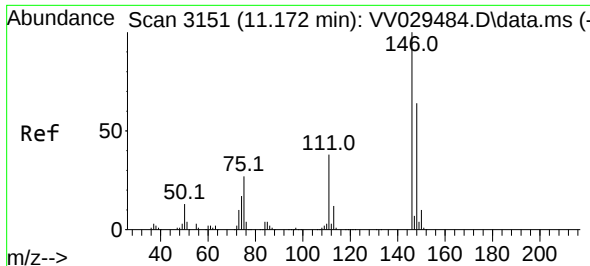
Tgt Ion:105 Resp: 566896

Ion Ratio Lower Upper

105 100

120 46.7 36.7 55.1

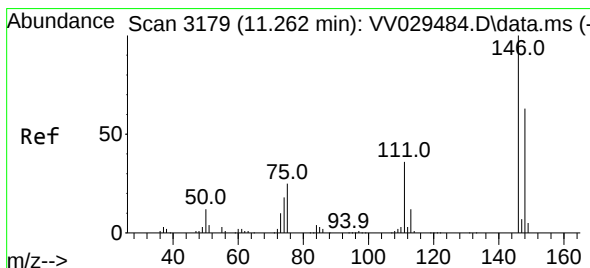
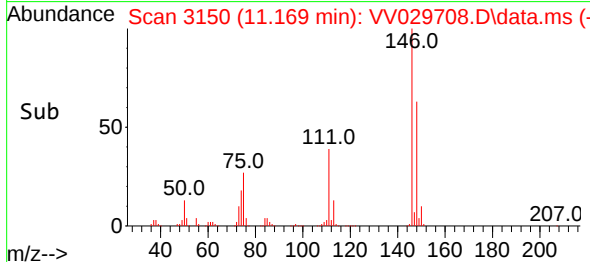
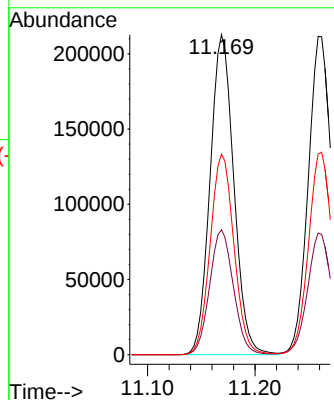
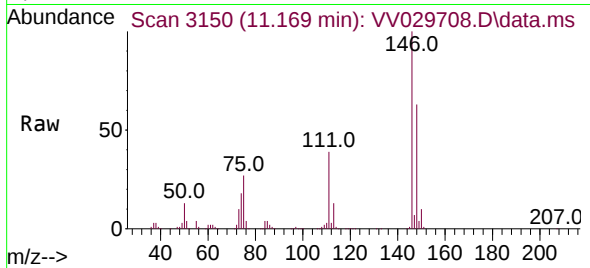




#64
1,3-Dichlorobenzene
Concen: 50.805 ug/L
RT: 11.169 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

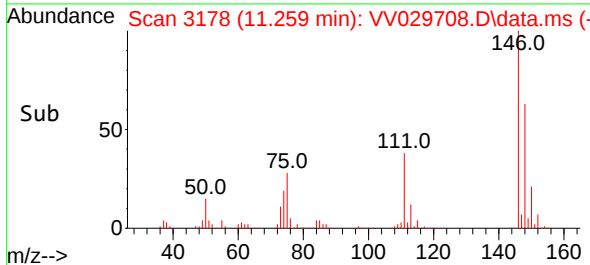
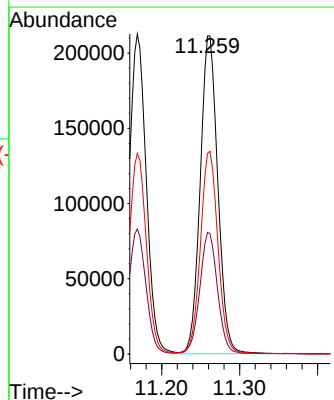
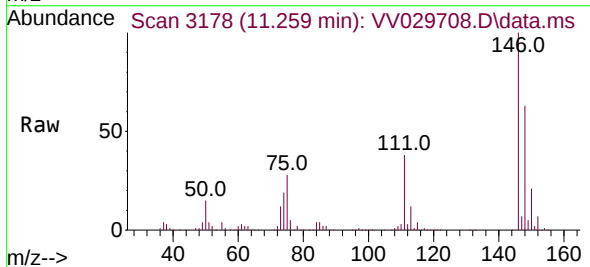
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

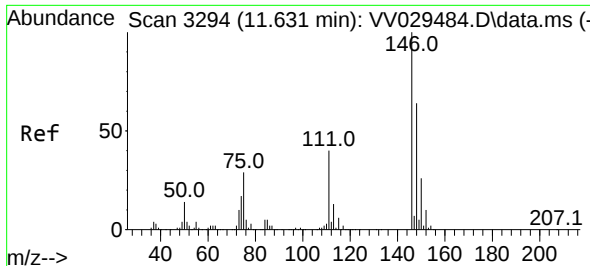
Tgt Ion:146 Resp: 326502
Ion Ratio Lower Upper
146 100
111 39.1 27.4 51.0
148 62.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 50.671 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion:146 Resp: 330944
Ion Ratio Lower Upper
146 100
111 38.2 26.2 48.8
148 63.1 44.7 83.1

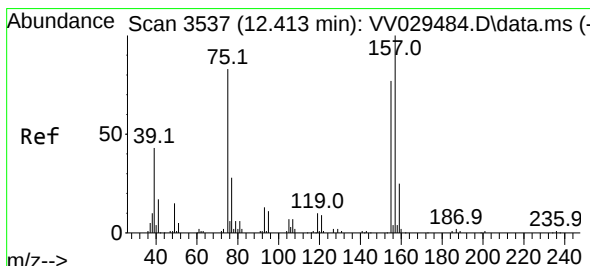
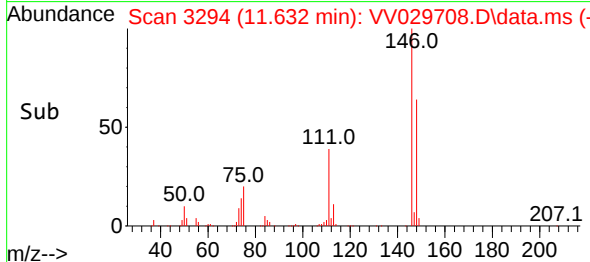
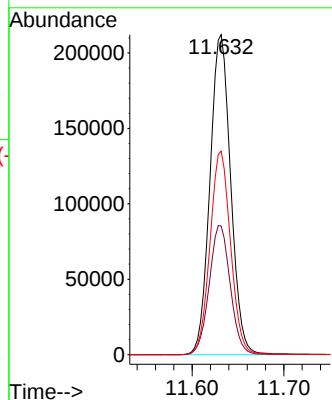
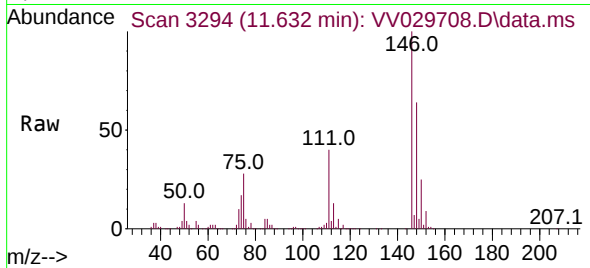




#67
1,2-Dichlorobenzene
Concen: 50.701 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

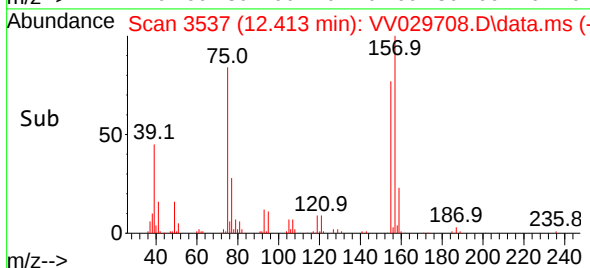
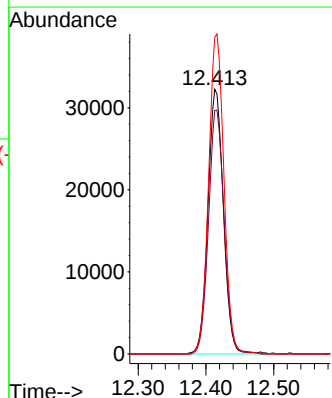
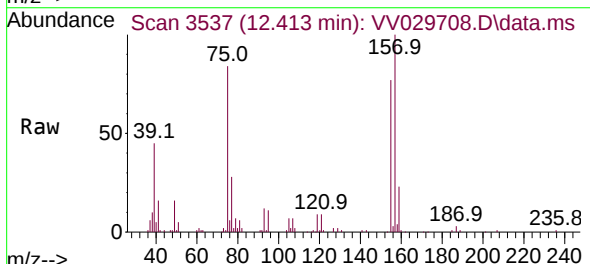
Instrument :
MSVOA_V
ClientSampleId :
VSTD050391

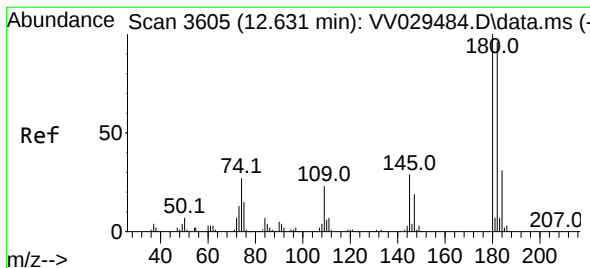
Tgt Ion:146 Resp: 333191
Ion Ratio Lower Upper
146 100
111 40.2 32.0 48.0
148 63.6 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 47.676 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029708.D
Acq: 19 Dec 2022 09:39

Tgt Ion: 75 Resp: 51204
Ion Ratio Lower Upper
75 100
155 92.0 76.2 114.2
157 119.7 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 45.925 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

Tgt Ion:180 Resp: 234875

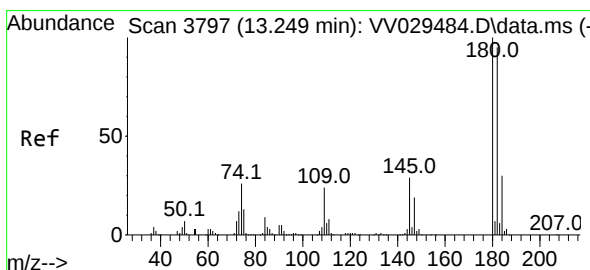
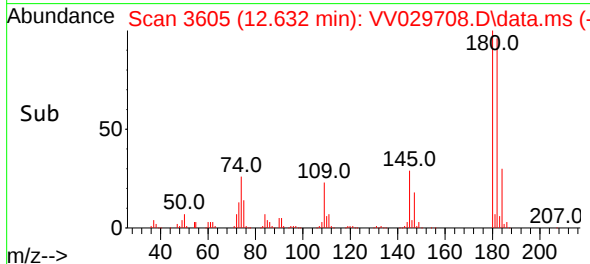
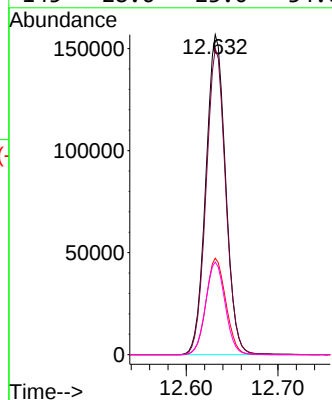
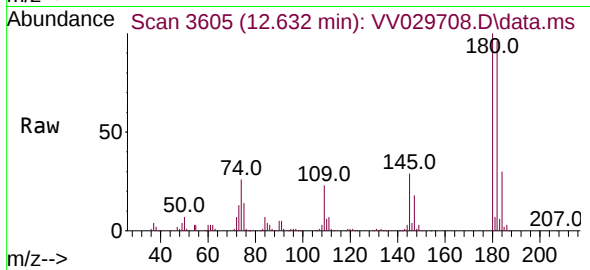
Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

184 30.2 24.6 36.8

145 28.6 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 46.885 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

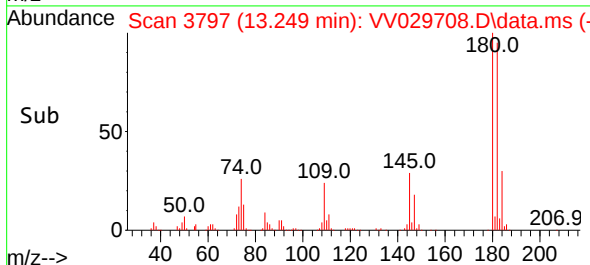
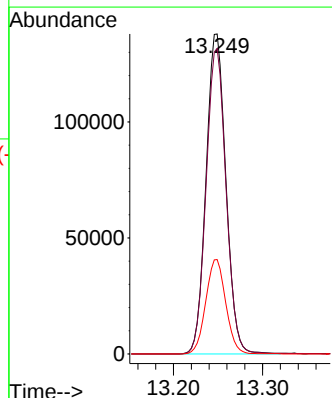
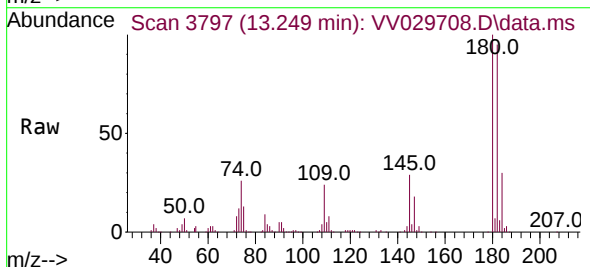
Tgt Ion:180 Resp: 213223

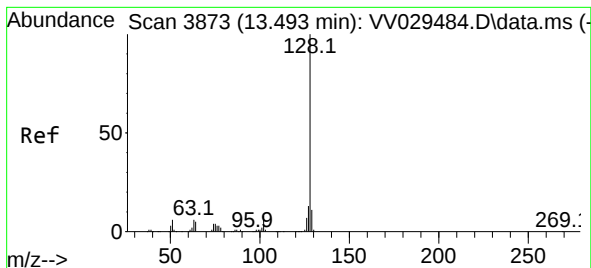
Ion Ratio Lower Upper

180 100

182 95.8 76.3 114.5

145 29.7 23.7 35.5





#71

Naphthalene

Concen: 46.149 ug/L

RT: 13.490 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050391

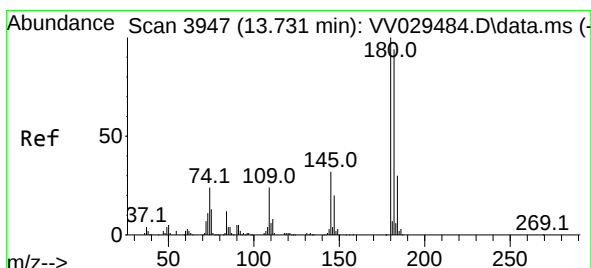
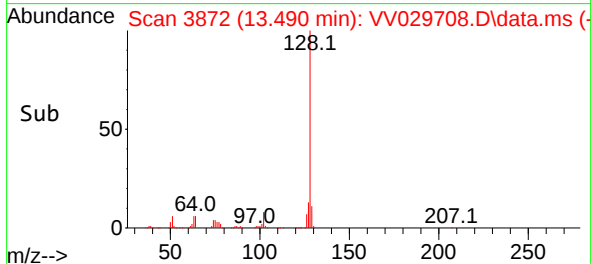
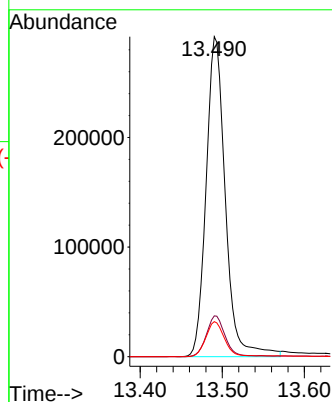
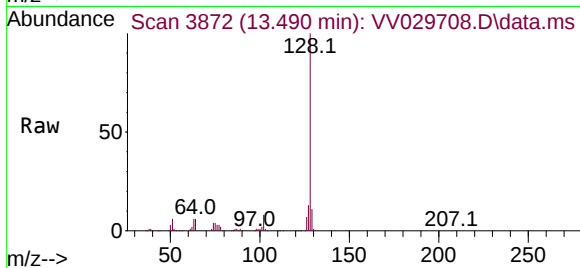
Tgt Ion:128 Resp: 476061

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 49.488 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV029708.D

Acq: 19 Dec 2022 09:39

Tgt Ion:180 Resp: 220443

Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

145 32.0 25.0 37.6

