

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080322\
 Data File : VW027203.D
 Acq On : 03 Aug 2022 19:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050327

Quant Time: Aug 04 03:06:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 04 02:57:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	558847	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	545665	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	289801	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	141012	38.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.860%
7) Chloroethane-d5	1.558	69	125202	46.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.101	63	288261	41.797	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.600%
21) 2-Butanone-d5	3.873	46	252213	105.771	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.770%
24) Chloroform-d	4.343	84	340272	46.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.960%
26) 1,2-Dichloroethane-d4	5.027	65	194528	46.833	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
32) Benzene-d6	5.047	84	646117	44.748	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
36) 1,2-Dichloropropane-d6	6.066	67	205431	45.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.980%
41) Toluene-d8	7.314	98	605057	46.481	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.960%
43) trans-1,3-Dichloroprop...	7.619	79	91850	46.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.700%
47) 2-Hexanone-d5	8.088	63	188315	109.205	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.200%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	343017	51.374	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.740%
66) 1,2-Dichlorobenzene-d4	11.622	152	236378	46.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	247383	46.262	ug/L	99
3) Chloromethane	1.237	50	228319	45.028	ug/L	99
5) Vinyl chloride	1.307	62	245199	46.456	ug/L	100
6) Bromomethane	1.513	94	113855	41.596	ug/L	100
8) Chloroethane	1.577	64	147922	52.307	ug/L	98
9) Trichlorofluoromethane	1.745	101	327264	47.061	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	185745	46.573	ug/L	100
12) 1,1-Dichloroethene	2.111	96	174751	45.095	ug/L	97
13) Acetone	2.163	43	199472	99.066	ug/L	100
14) Carbon disulfide	2.288	76	512144	44.376	ug/L	99
15) Methyl Acetate	2.426	43	223411	51.001	ug/L	99
16) Methylene chloride	2.500	84	238665	48.588	ug/L	98
17) trans-1,2-Dichloroethene	2.754	96	192091	46.570	ug/L	97
18) Methyl tert-butyl Ether	2.767	73	577890	48.770	ug/L	99
19) 1,1-Dichloroethane	3.185	63	362408	47.980	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	213703	48.807	ug/L	99
22) 2-Butanone	3.957	43	300764	108.397	ug/L	98
23) Bromochloromethane	4.243	128	120070	48.266	ug/L	97
25) Chloroform	4.372	83	390176	49.062	ug/L	99

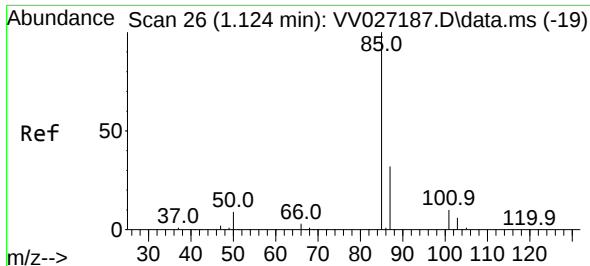
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080322\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 04 02:57:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	267587	48.597	ug/L	100
29) Cyclohexane	4.674	56	248903	45.054	ug/L	97
30) 1,1,1-Trichloroethane	4.603	97	331820	48.495	ug/L	98
31) Carbon tetrachloride	4.822	117	288414	49.019	ug/L	99
33) Benzene	5.095	78	833809	49.822	ug/L	100
34) Trichloroethene	5.912	95	209546	48.687	ug/L	98
35) Methylcyclohexane	6.127	83	301703	47.232	ug/L	100
37) 1,2-Dichloropropane	6.169	63	227649	51.814	ug/L	100
38) Bromodichloromethane	6.506	83	290670	49.946	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	303025	49.164	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	574753	110.686	ug/L	100
42) Toluene	7.384	91	898865	52.063	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	294172	49.675	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	233457	50.548	ug/L	99
46) Tetrachloroethene	7.973	164	161990	49.298	ug/L	97
48) 2-Hexanone	8.137	43	462116	114.462	ug/L	100
49) Dibromochloromethane	8.243	129	246160	51.343	ug/L	99
50) 1,2-Dibromoethane	8.349	107	240480	50.293	ug/L	98
51) Chlorobenzene	8.879	112	587566	49.177	ug/L	99
52) Ethylbenzene	9.011	91	896815	50.685	ug/L	100
53) m,p-Xylene	9.137	106	367409	52.934	ug/L	99
54) o-Xylene	9.542	106	348923	51.355	ug/L	96
55) Styrene	9.558	104	654081	55.390	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	387161	51.696	ug/L	99
59) Bromoform	9.728	173	165801	49.556	ug/L	99
60) Isopropylbenzene	9.931	105	893604	50.253	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	302442	50.267	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	363229	47.160	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	293816	47.214	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	434019	49.525	ug/L	100
65) 1,4-Dichlorobenzene	11.272	146	450083	48.683	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	456720	49.628	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	80697	50.131	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	293570	47.217	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	245611	47.047	ug/L	99
71) Naphthalene	13.500	128	873554	50.939	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	289654	50.736	ug/L	100

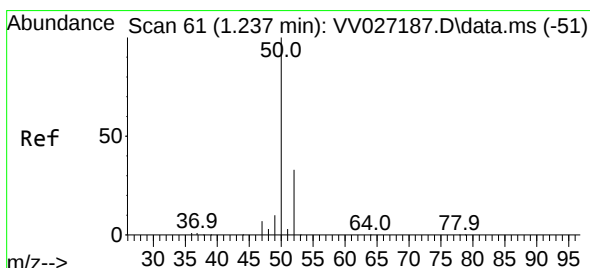
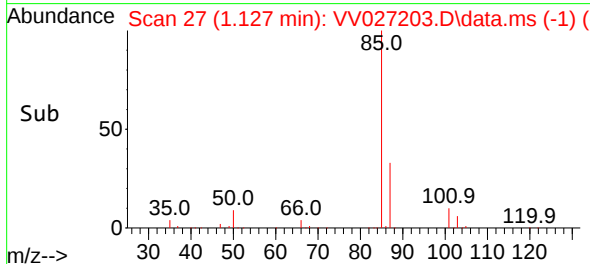
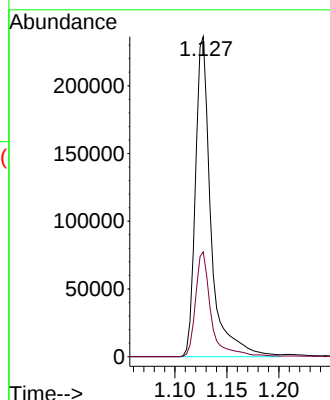
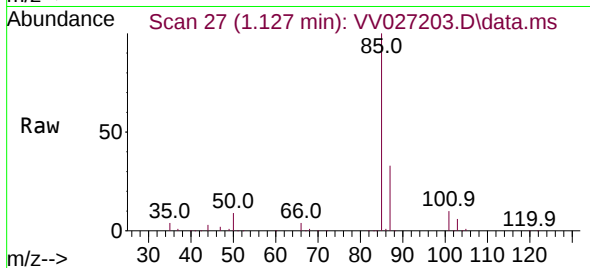
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#2
 Dichlorodifluoromethane
 Concen: 46.262 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

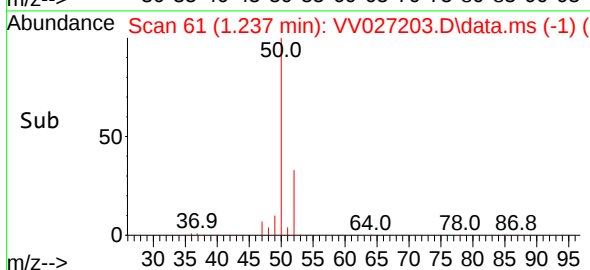
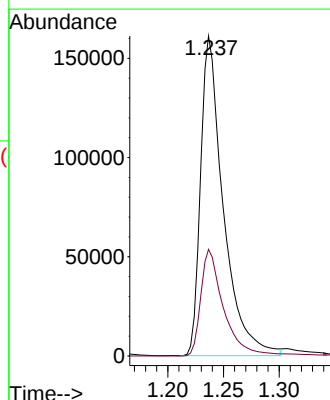
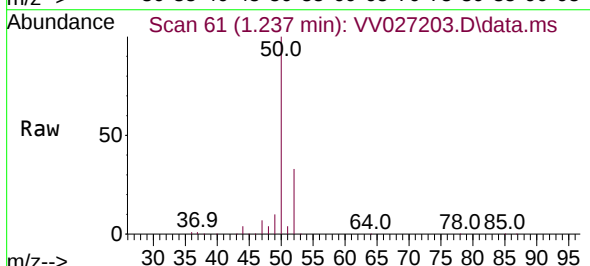
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050327

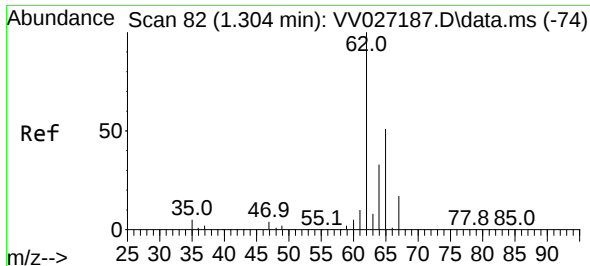
Tgt Ion: 85 Resp: 247383
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.3 39.5



#3
 Chloromethane
 Concen: 45.028 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

Tgt Ion: 50 Resp: 228319
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.7 43.9

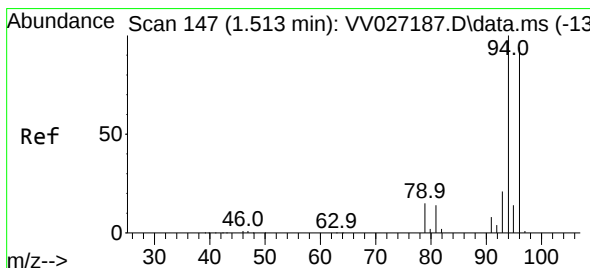
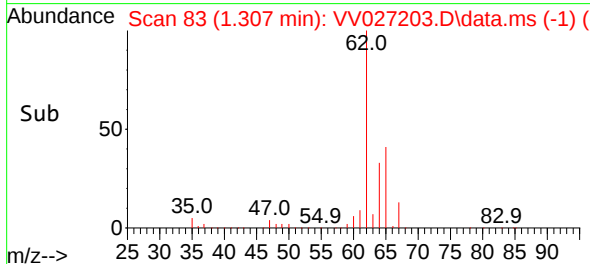
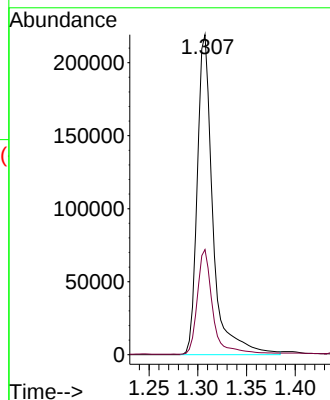
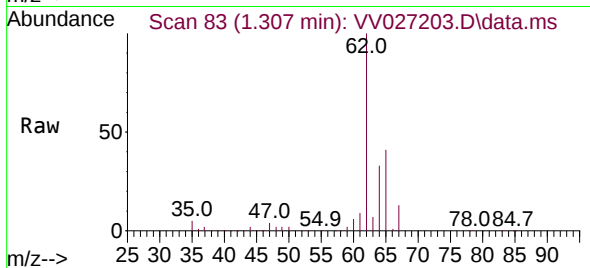




#5
 Vinyl chloride
 Concen: 46.456 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

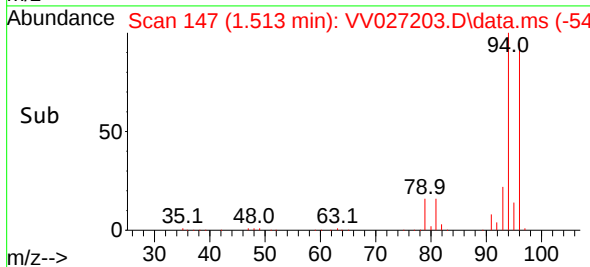
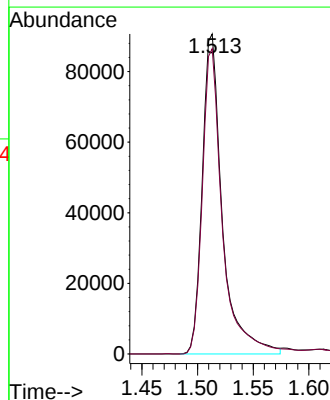
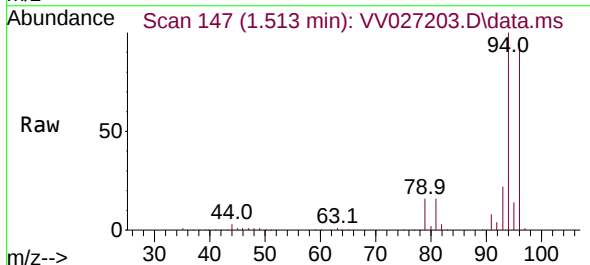
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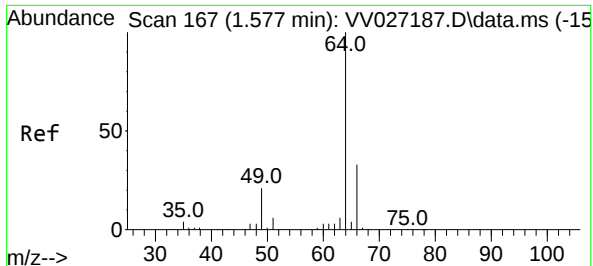
Tgt Ion: 62 Resp: 245199
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 41.596 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

Tgt Ion: 94 Resp: 113855
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.6 123.6

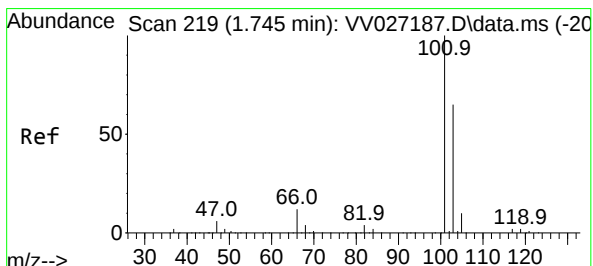
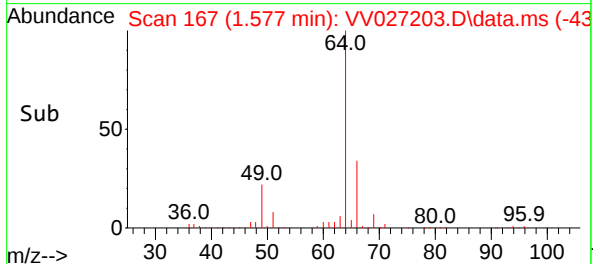
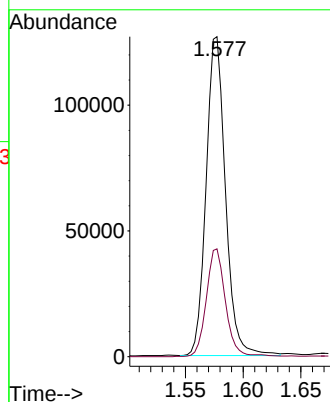
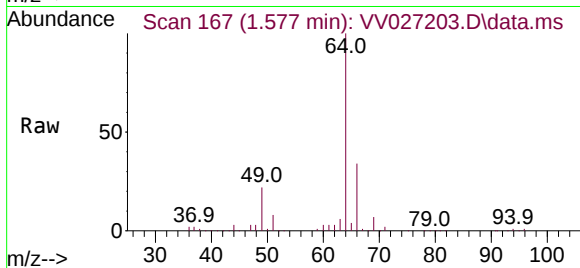




#8
Chloroethane
Concen: 52.307 ug/L
RT: 1.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

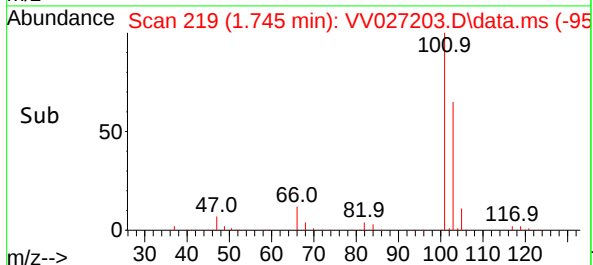
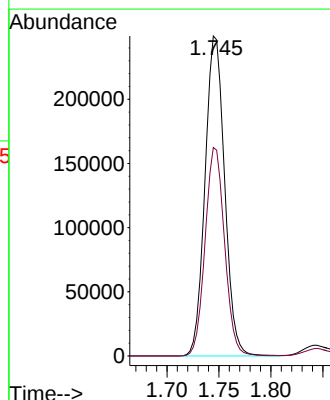
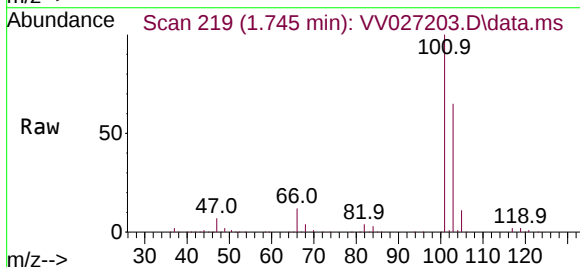
Instrument :
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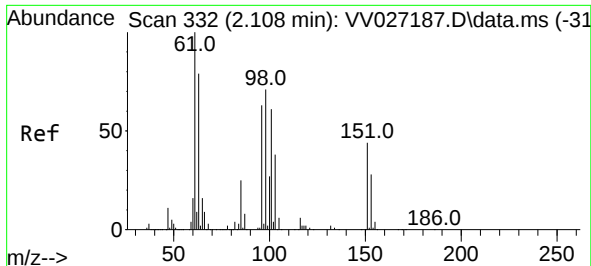
Tgt Ion: 64 Resp: 147922
Ion Ratio Lower Upper
64 100
66 33.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 47.061 ug/L
RT: 1.745 min Scan# 219
Delta R.T. 0.000 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion:101 Resp: 327264
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

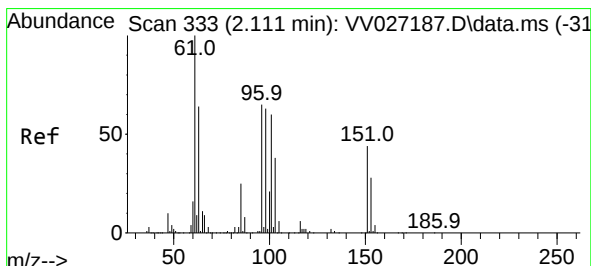
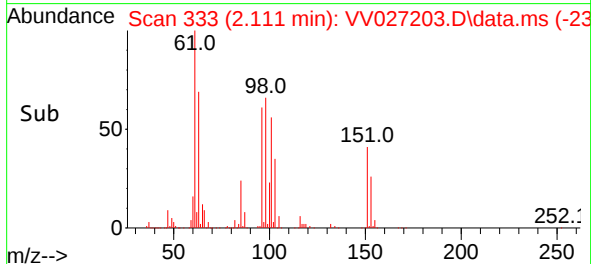
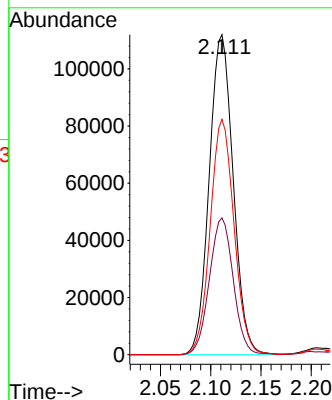
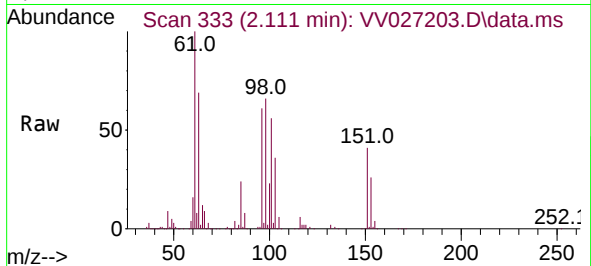




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.573 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

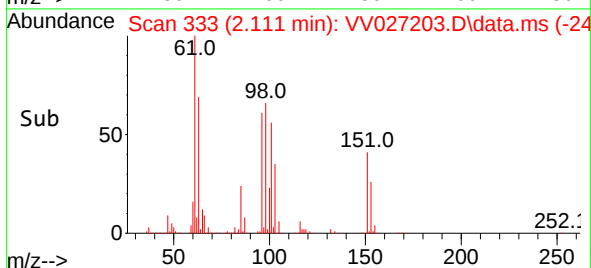
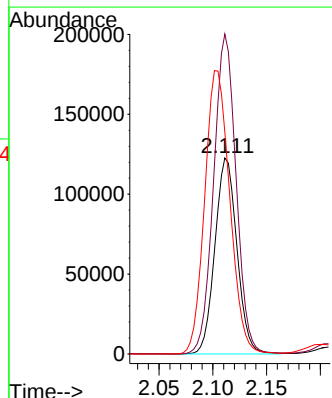
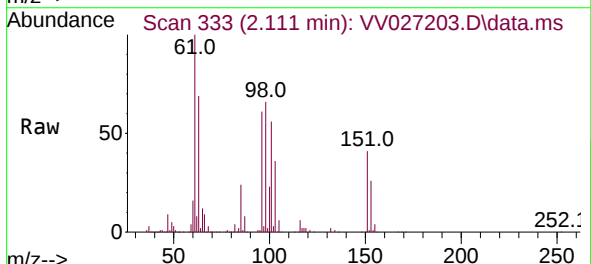
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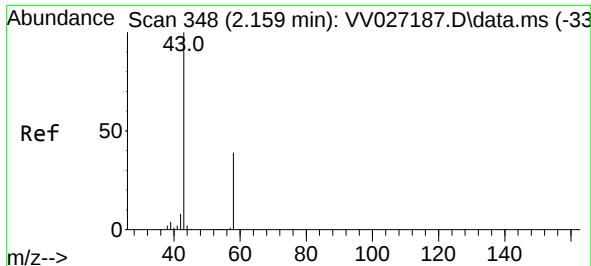
Tgt Ion:101 Resp: 185745
Ion Ratio Lower Upper
101 100
85 42.6 33.9 50.9
151 73.3 58.4 87.6



#12
1,1-Dichloroethene
Concen: 45.095 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.000 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 96 Resp: 174751
Ion Ratio Lower Upper
96 100
61 163.3 110.7 205.5
63 113.2 78.4 145.6





#13

Acetone

Concen: 99.066 ug/L

RT: 2.163 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

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MSVOA_V

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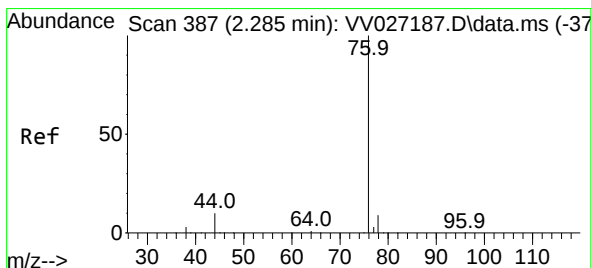
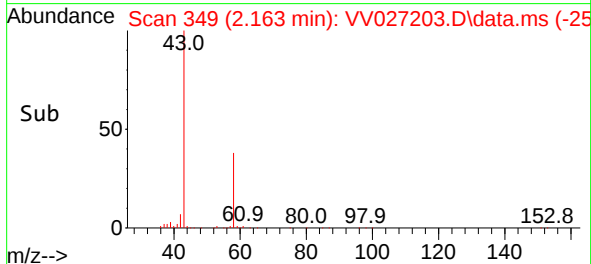
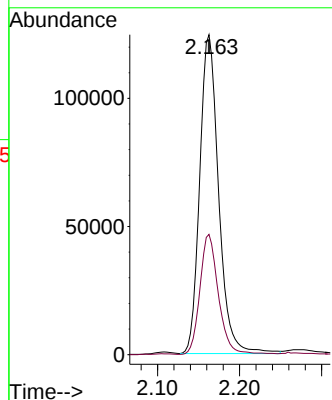
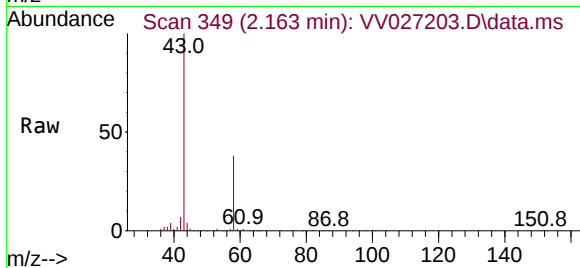
VSTD050327

Tgt Ion: 43 Resp: 199472

Ion Ratio Lower Upper

43 100

58 36.5 0.0 73.6



#14

Carbon disulfide

Concen: 44.376 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV027203.D

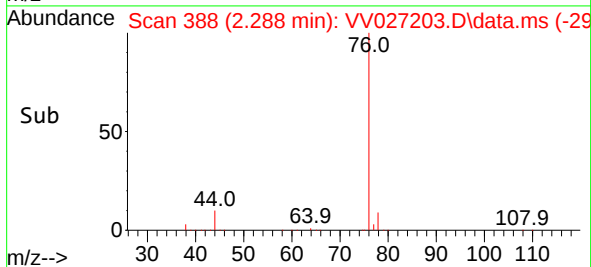
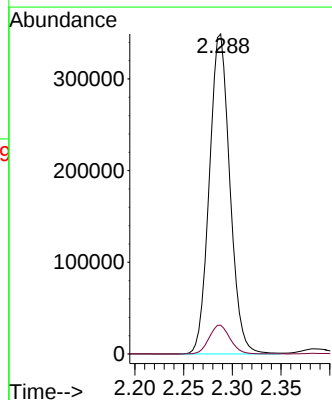
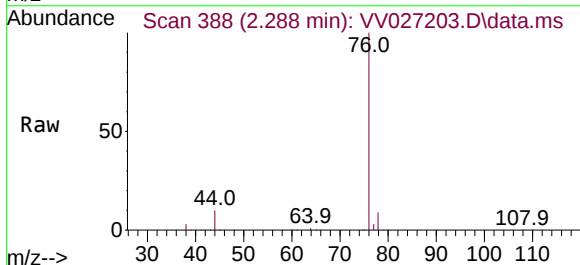
Acq: 03 Aug 2022 19:55

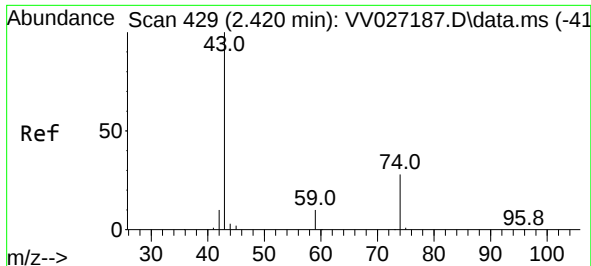
Tgt Ion: 76 Resp: 512144

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

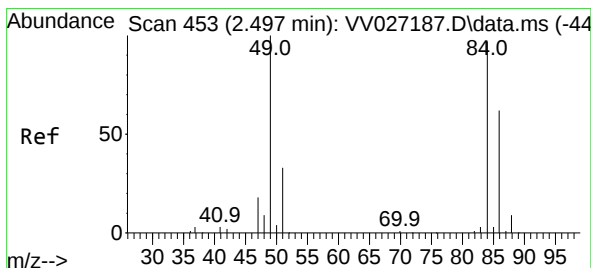
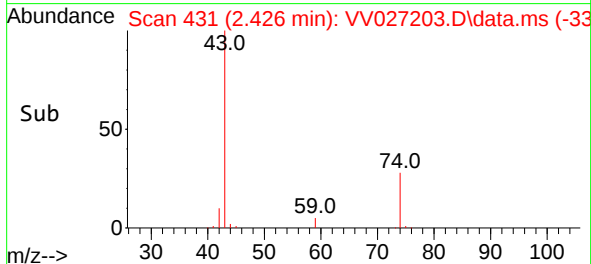
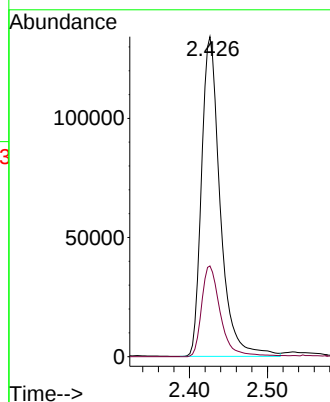
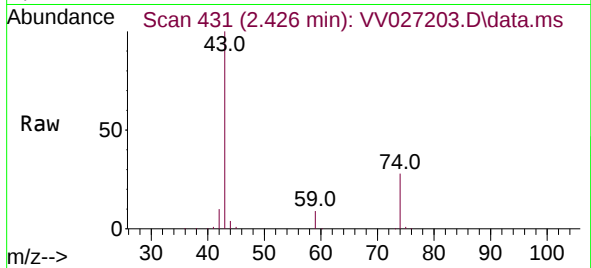




#15
Methyl Acetate
Concen: 51.001 ug/L
RT: 2.426 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

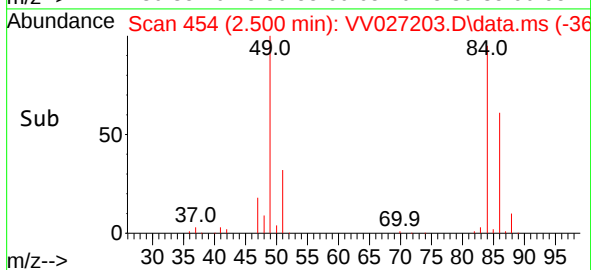
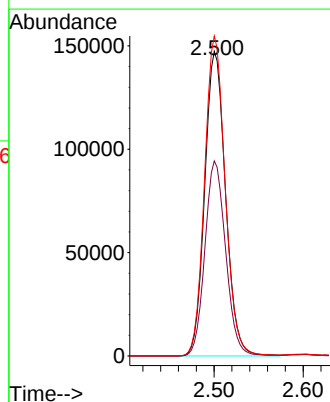
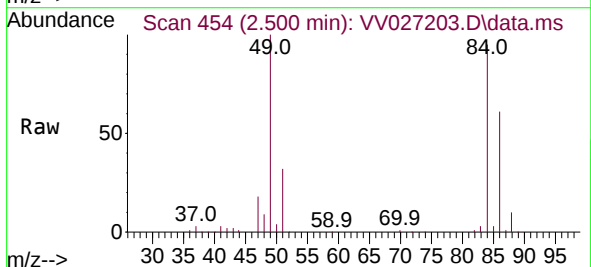
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

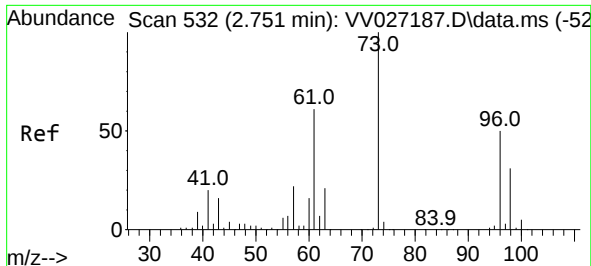
Tgt Ion: 43 Resp: 223411
Ion Ratio Lower Upper
43 100
74 28.7 22.4 33.6



#16
Methylene chloride
Concen: 48.588 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 84 Resp: 238665
Ion Ratio Lower Upper
84 100
86 64.0 45.3 84.1
49 105.0 76.0 141.2

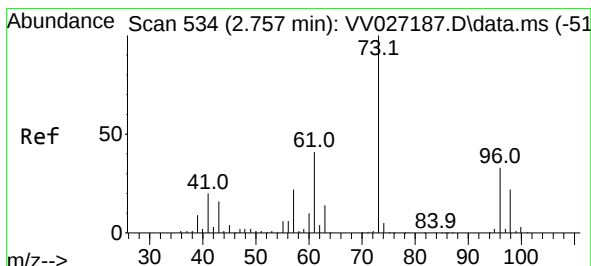
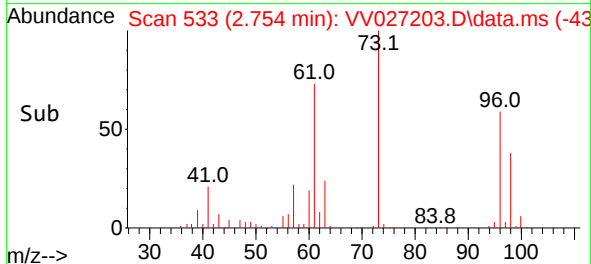
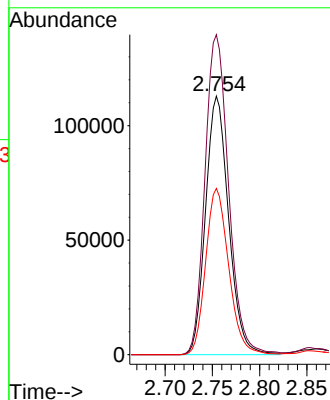
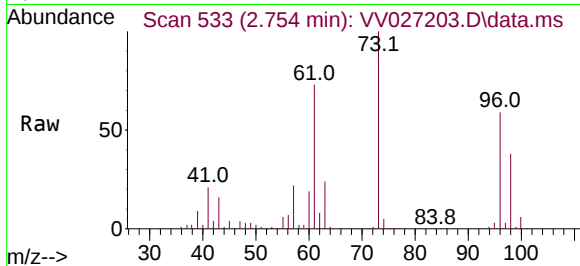




#17
trans-1,2-Dichloroethene
Concen: 46.570 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

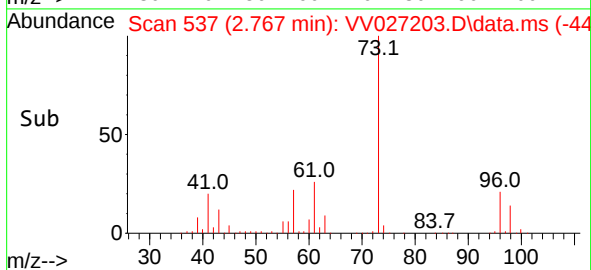
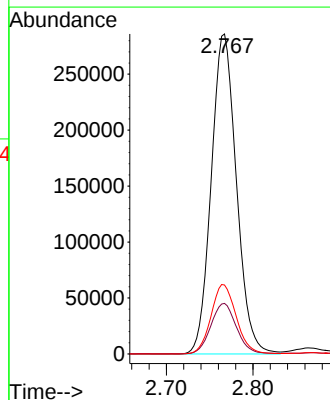
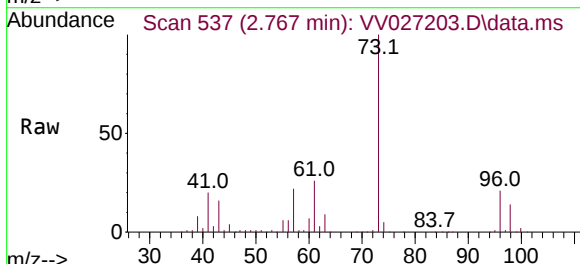
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

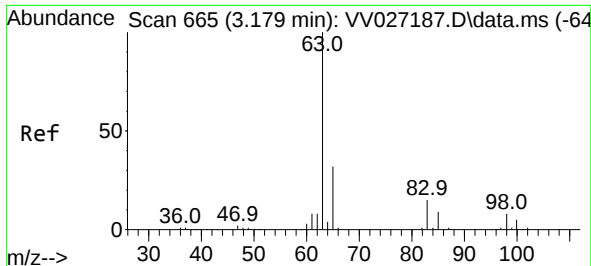
Tgt Ion: 96 Resp: 192091
Ion Ratio Lower Upper
96 100
61 123.8 89.2 165.6
98 64.3 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 48.770 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 73 Resp: 577890
Ion Ratio Lower Upper
73 100
43 15.9 12.6 18.8
57 21.8 17.2 25.8





#19

1,1-Dichloroethane

Concen: 47.980 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

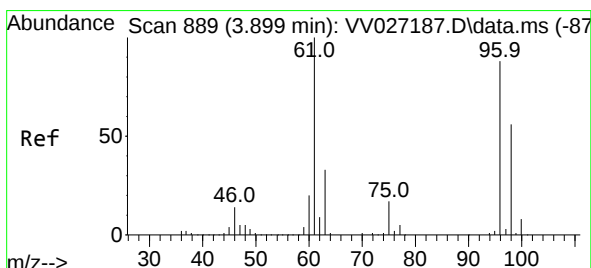
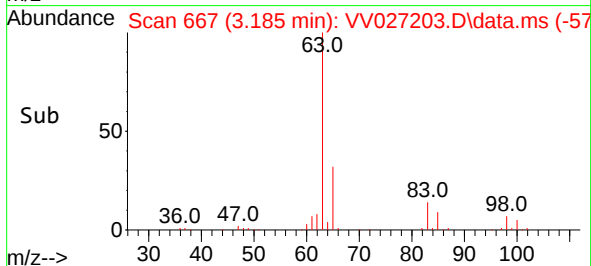
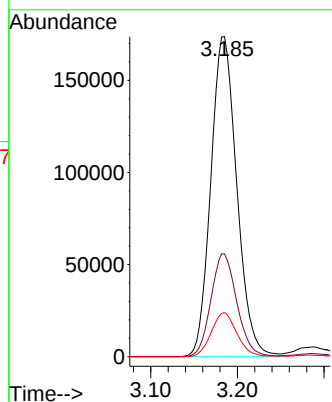
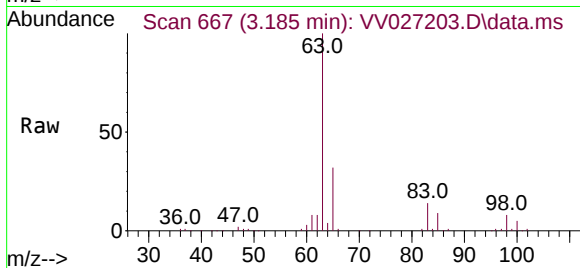
Tgt Ion: 63 Resp: 362408

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.807 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

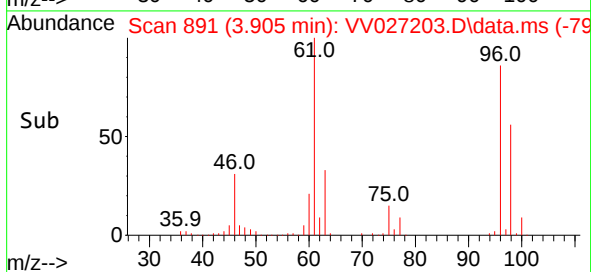
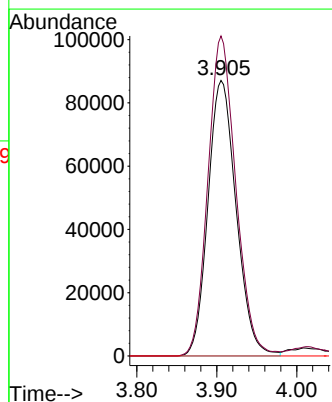
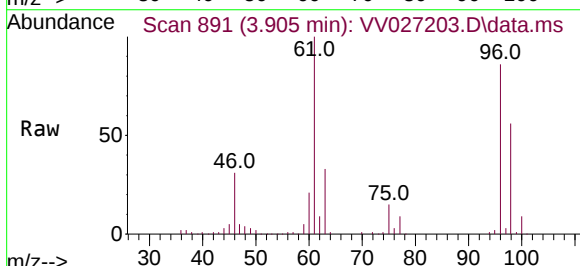
Tgt Ion: 96 Resp: 213703

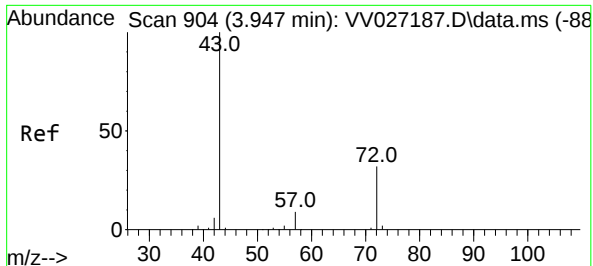
Ion Ratio Lower Upper

96 100

61 116.1 81.7 151.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.397 ug/L

RT: 3.957 min Scan# 904

Delta R.T. 0.010 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

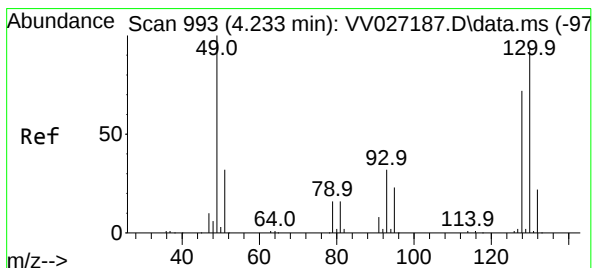
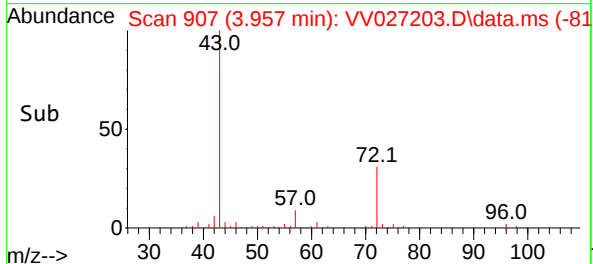
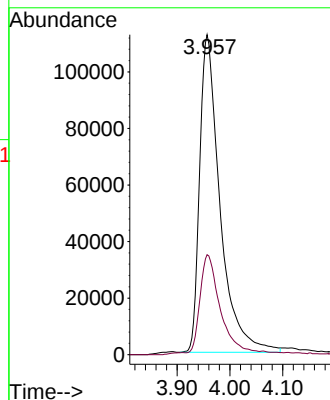
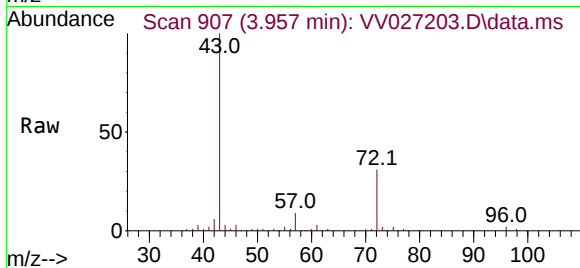
VSTD050327

Tgt Ion: 43 Resp: 300764

Ion Ratio Lower Upper

43 100

72 30.3 15.7 47.1



#23

Bromochloromethane

Concen: 48.266 ug/L

RT: 4.243 min Scan# 996

Delta R.T. 0.010 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Tgt Ion: 128 Resp: 120070

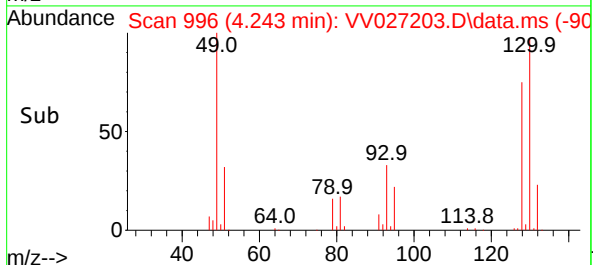
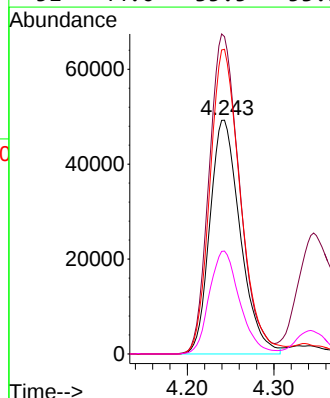
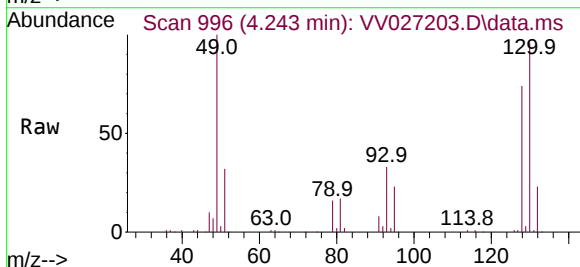
Ion Ratio Lower Upper

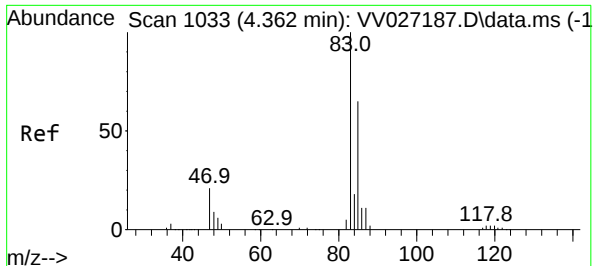
128 100

49 135.7 98.6 183.2

130 130.3 89.7 166.5

51 44.0 35.5 53.3





#25

Chloroform

Concen: 49.062 ug/L

RT: 4.372 min Scan# 1033

Delta R.T. 0.010 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

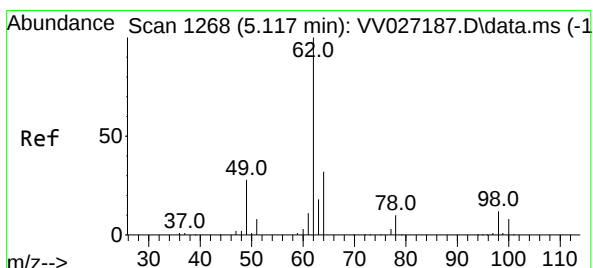
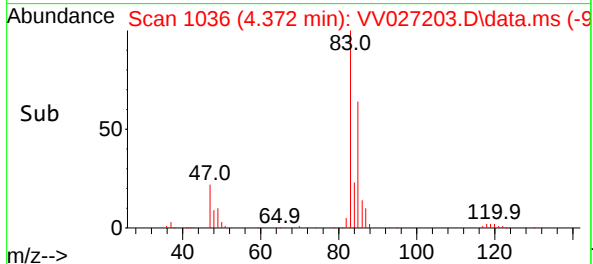
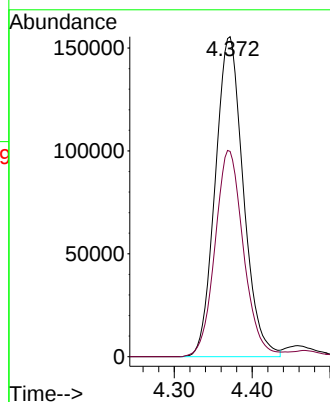
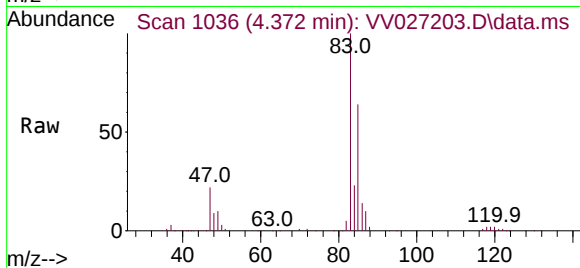
VSTD050327

Tgt Ion: 83 Resp: 390176

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.597 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VV027203.D

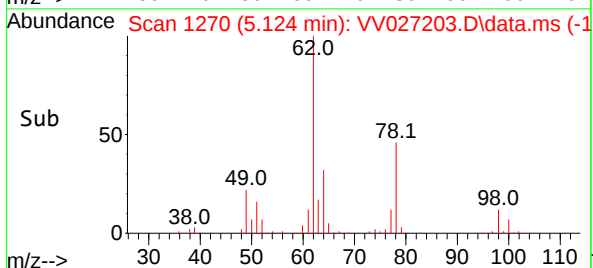
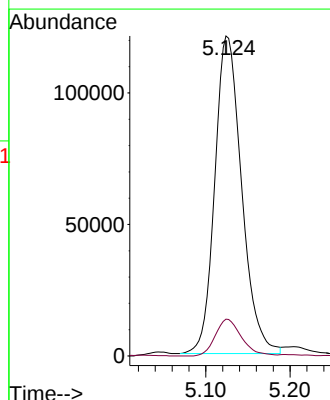
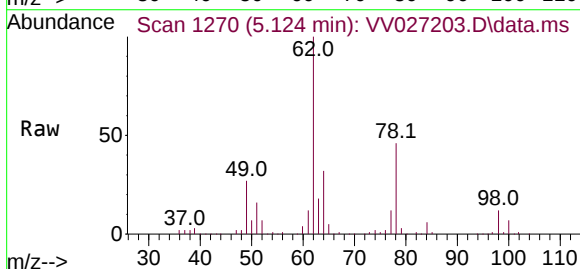
Acq: 03 Aug 2022 19:55

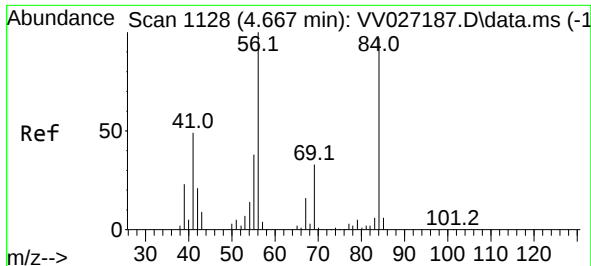
Tgt Ion: 62 Resp: 267587

Ion Ratio Lower Upper

62 100

98 11.5 9.2 13.8





#29

Cyclohexane

Concen: 45.054 ug/L

RT: 4.674 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

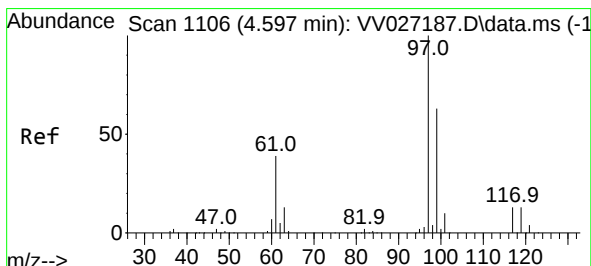
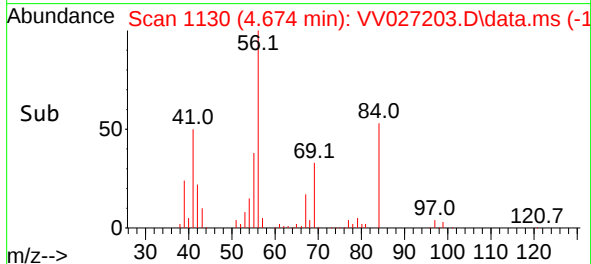
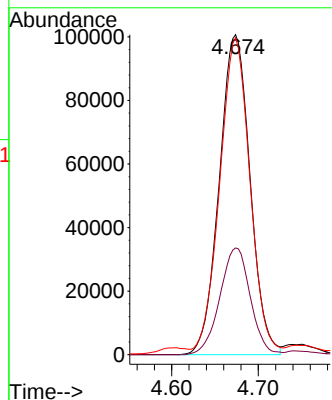
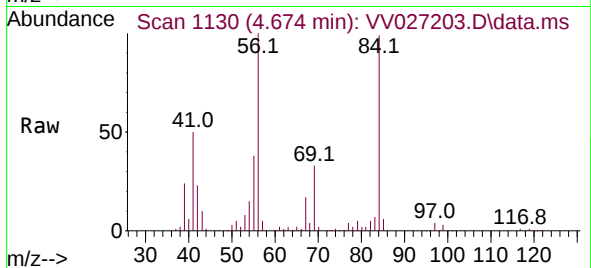
Tgt Ion: 56 Resp: 248903

Ion Ratio Lower Upper

56 100

69 33.0 26.1 39.1

84 93.1 77.3 115.9



#30

1,1,1-Trichloroethane

Concen: 48.495 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

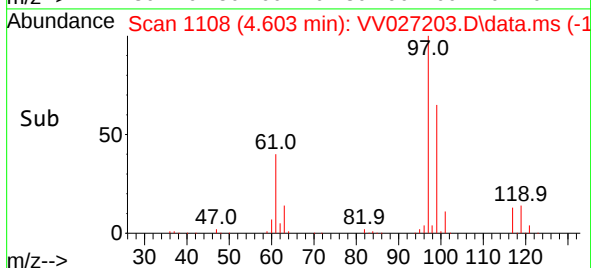
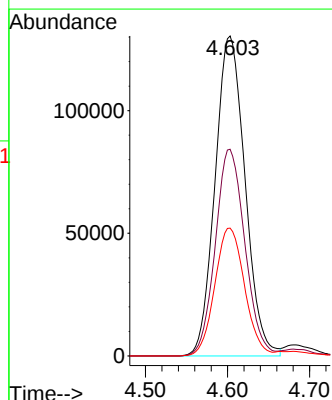
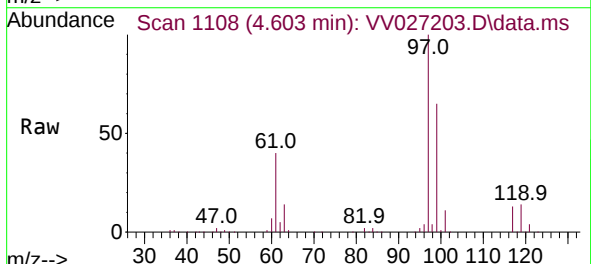
Tgt Ion: 97 Resp: 331820

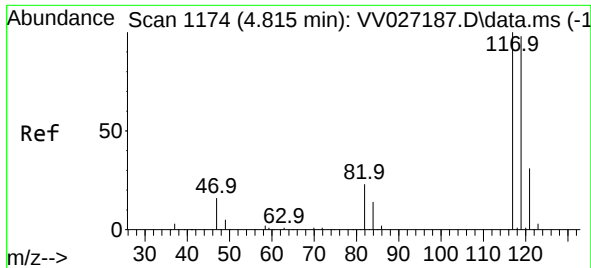
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

61 39.7 32.7 49.1

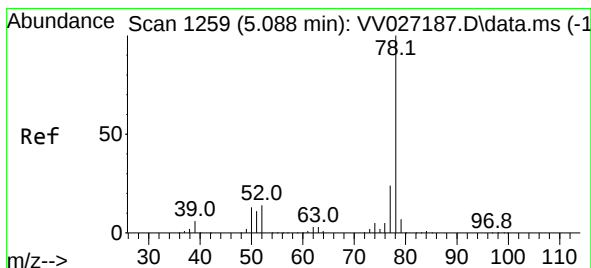
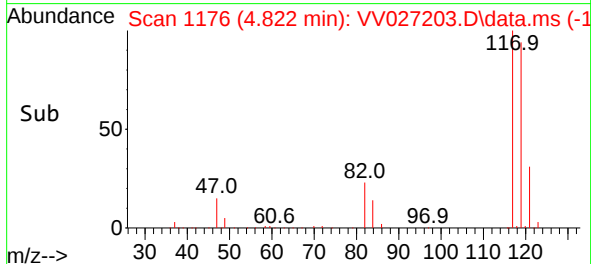
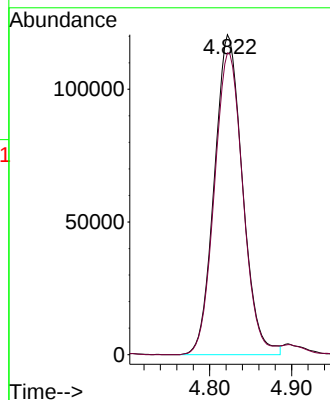
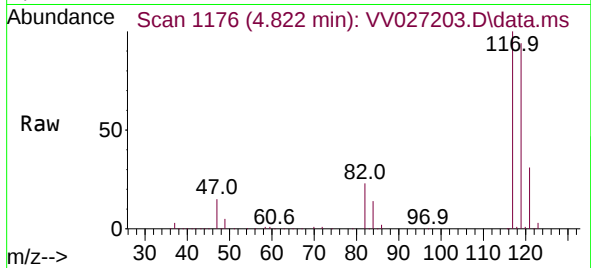




#31
Carbon tetrachloride
Concen: 49.019 ug/L
RT: 4.822 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

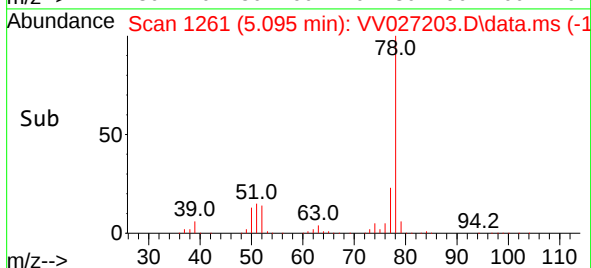
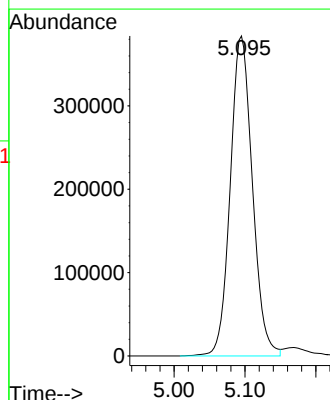
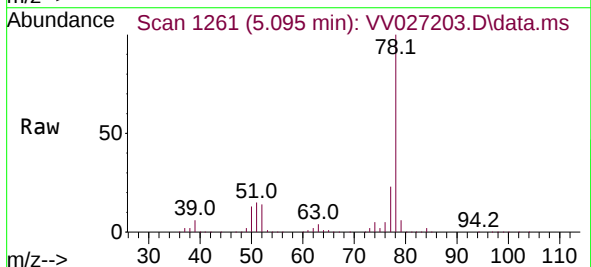
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

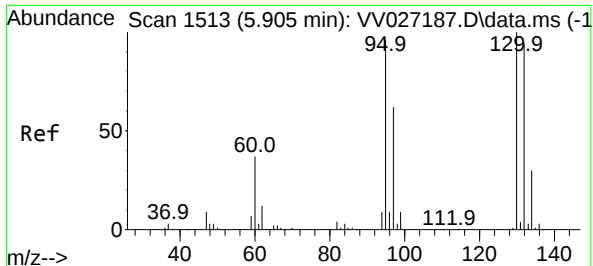
Tgt Ion:117 Resp: 288414
Ion Ratio Lower Upper
117 100
119 95.0 77.1 115.7



#33
Benzene
Concen: 49.822 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.006 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 78 Resp: 833809





#34

Trichloroethene

Concen: 48.687 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

Tgt Ion: 95 Resp: 209546

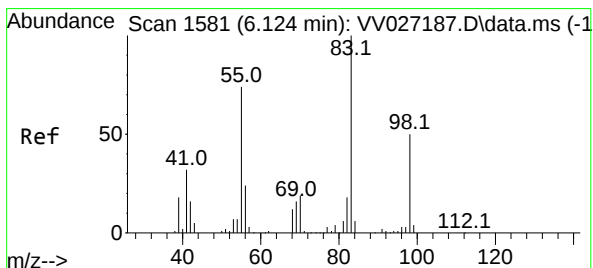
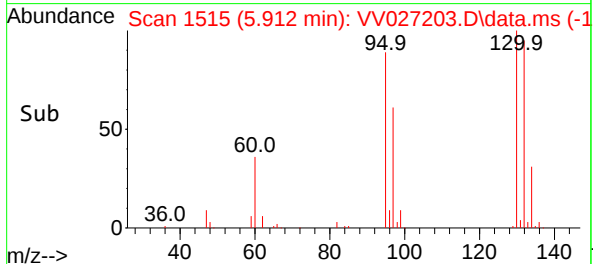
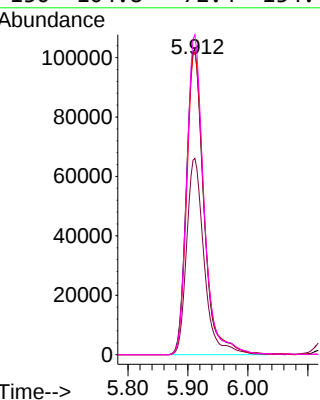
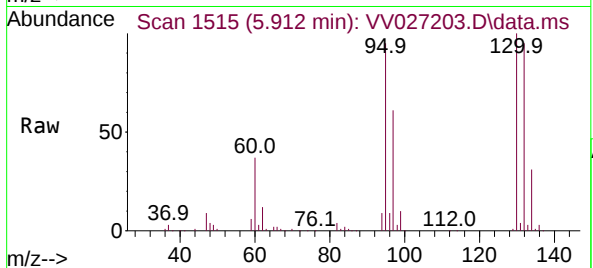
Ion Ratio Lower Upper

95 100

97 64.3 47.0 87.2

132 99.1 71.5 132.7

130 104.8 72.4 134.4



#35

Methylcyclohexane

Concen: 47.232 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

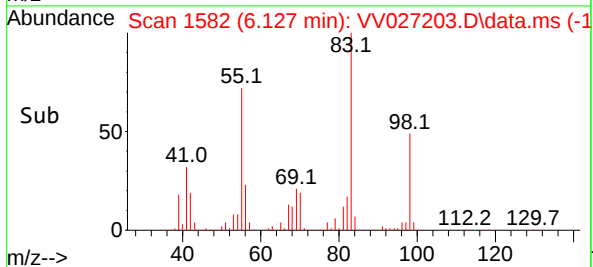
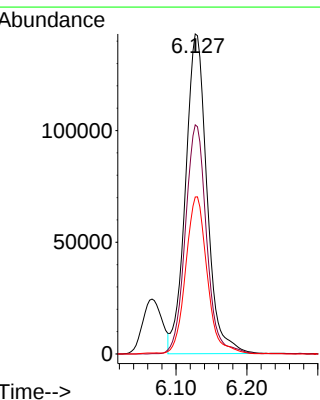
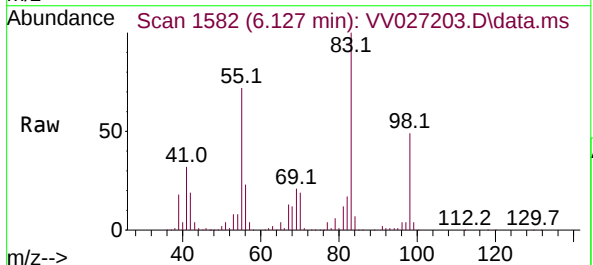
Tgt Ion: 83 Resp: 301703

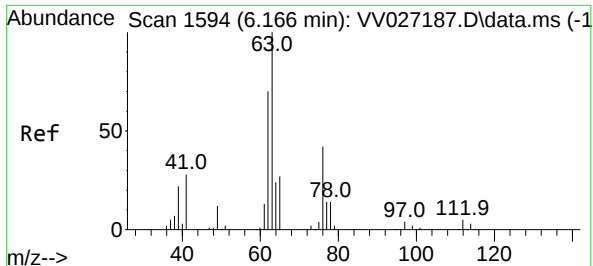
Ion Ratio Lower Upper

83 100

55 70.7 56.2 84.4

98 49.3 39.6 59.4





#37

1,2-Dichloropropane

Concen: 51.814 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

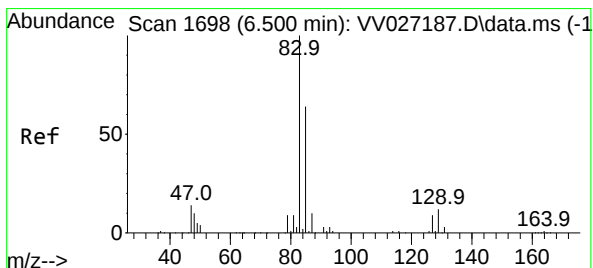
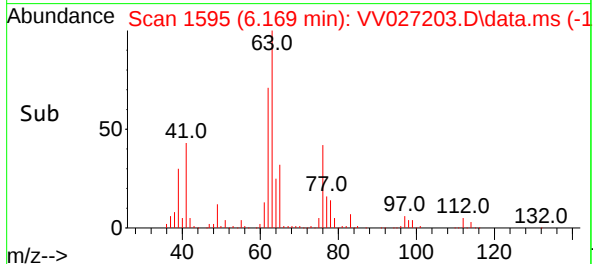
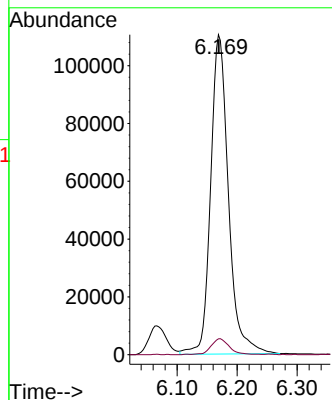
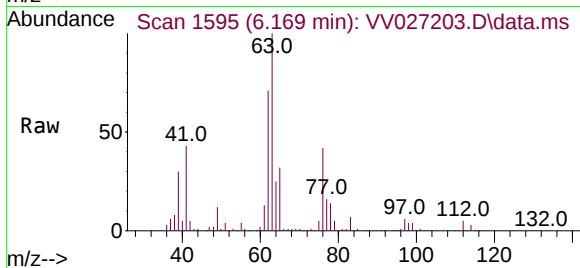
VSTD050327

Tgt Ion: 63 Resp: 227649

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



#38

Bromodichloromethane

Concen: 49.946 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

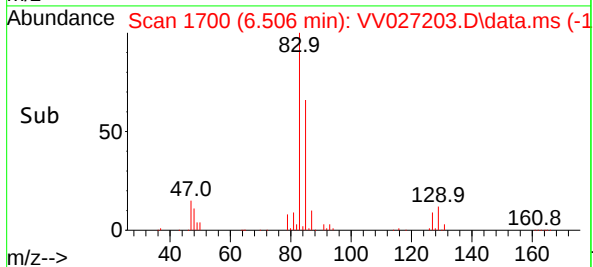
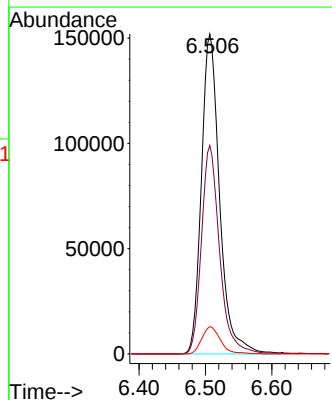
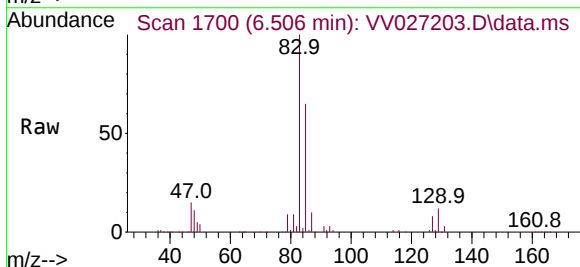
Tgt Ion: 83 Resp: 290670

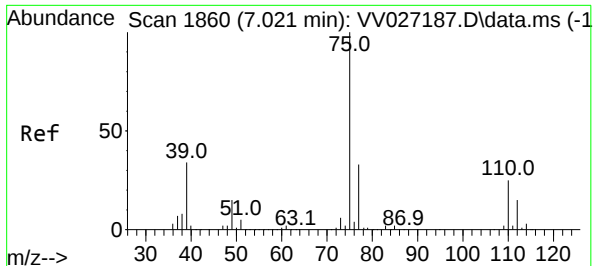
Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.9

127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 49.164 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

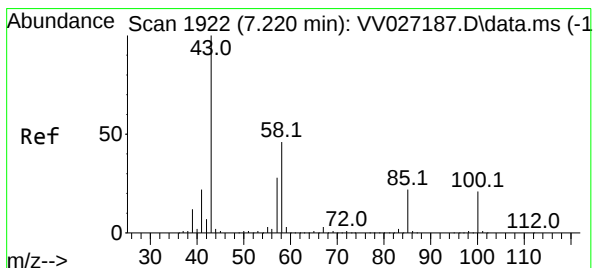
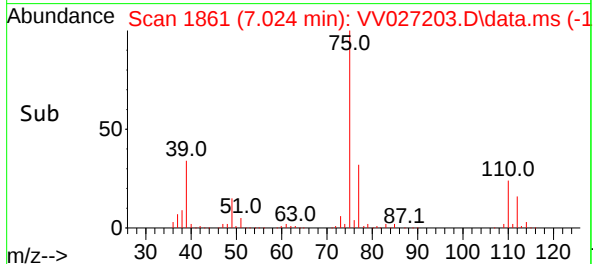
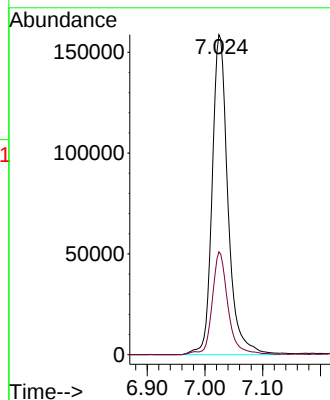
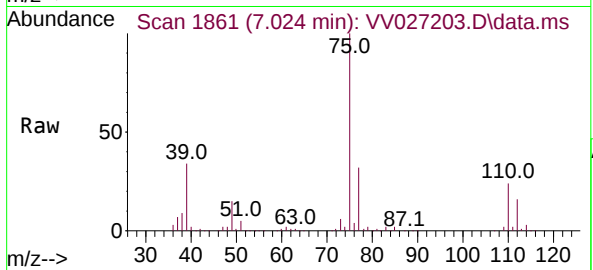
VSTD050327

Tgt Ion: 75 Resp: 303025

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 110.686 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

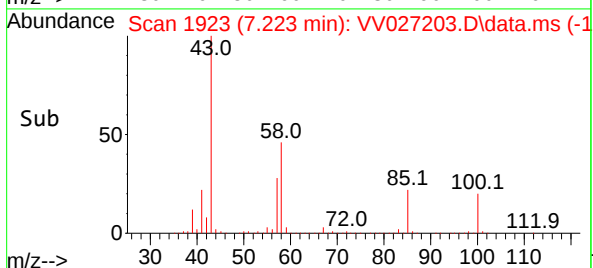
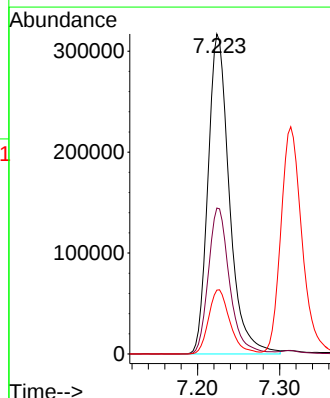
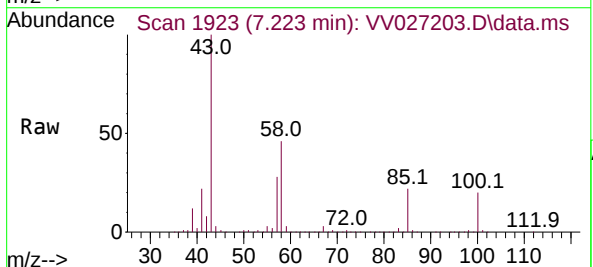
Tgt Ion: 43 Resp: 574753

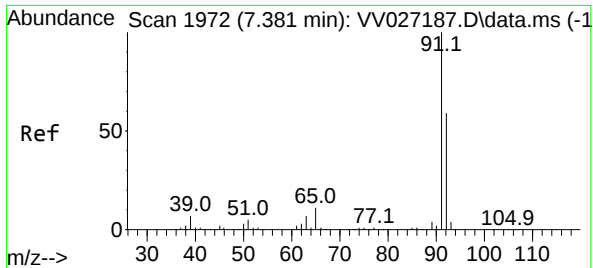
Ion Ratio Lower Upper

43 100

58 45.3 36.1 54.1

100 19.9 15.8 23.6





#42

Toluene

Concen: 52.063 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

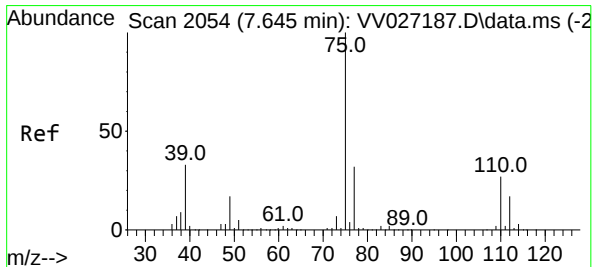
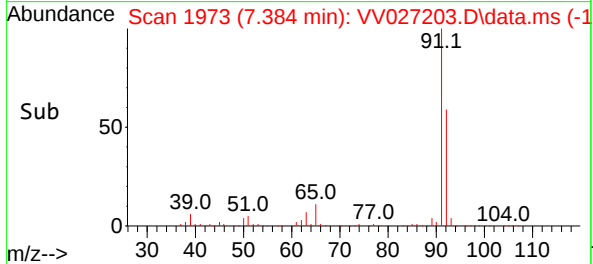
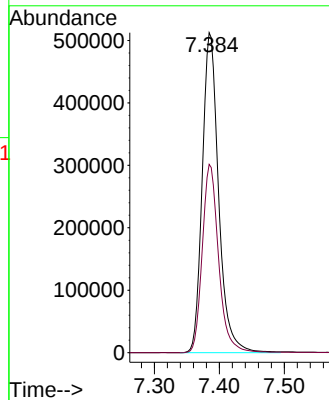
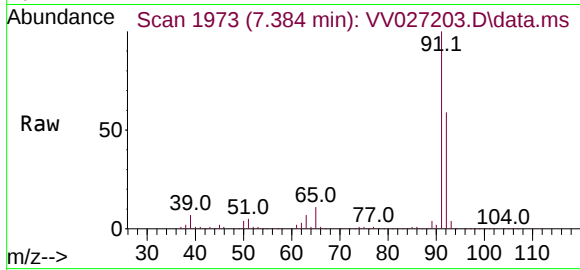
VSTD050327

Tgt Ion: 91 Resp: 898865

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 49.675 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV027203.D

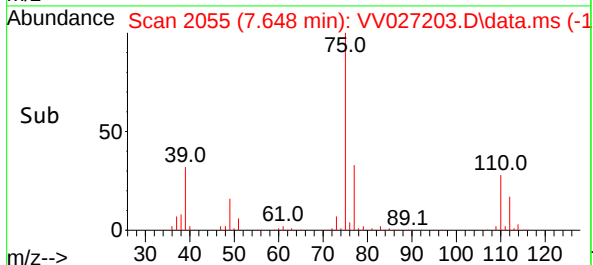
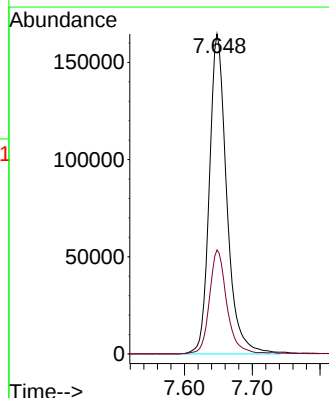
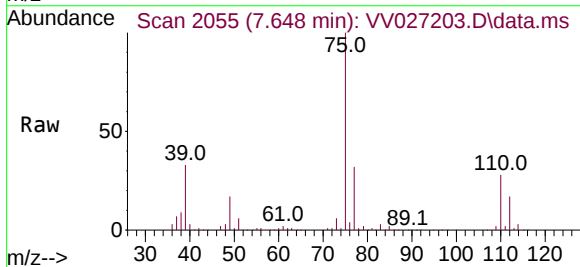
Acq: 03 Aug 2022 19:55

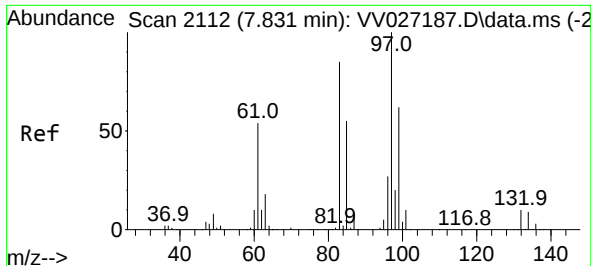
Tgt Ion: 75 Resp: 294172

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 50.548 ug/L

RT: 7.838 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

Tgt Ion: 97 Resp: 233457

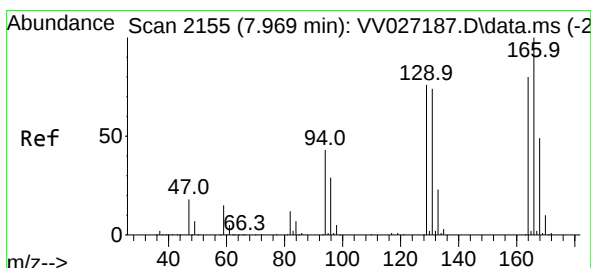
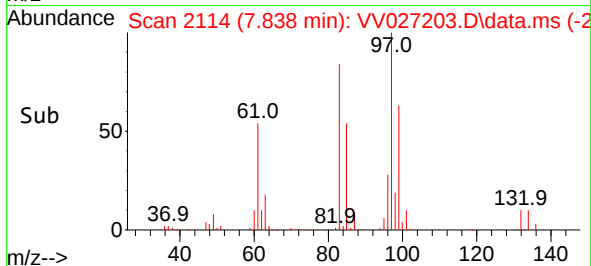
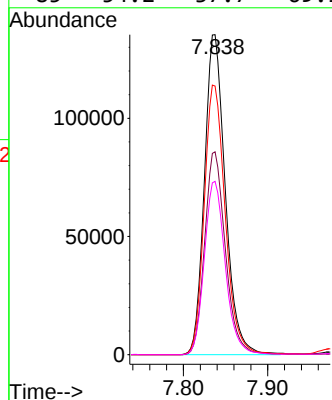
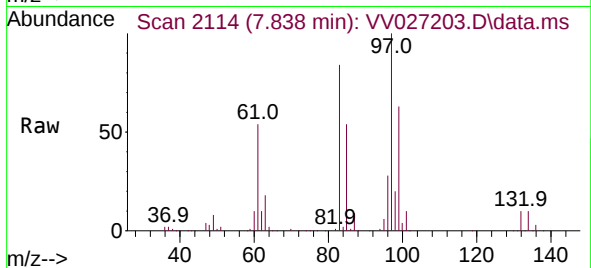
Ion Ratio Lower Upper

97 100

99 63.4 43.3 80.5

83 83.9 58.2 108.2

85 54.2 37.7 69.9



#46

Tetrachloroethene

Concen: 49.298 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Tgt Ion: 164 Resp: 161990

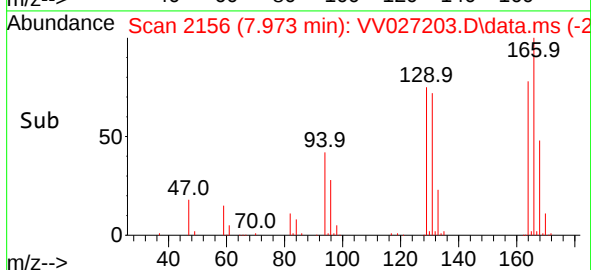
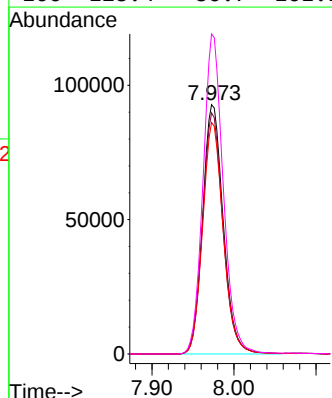
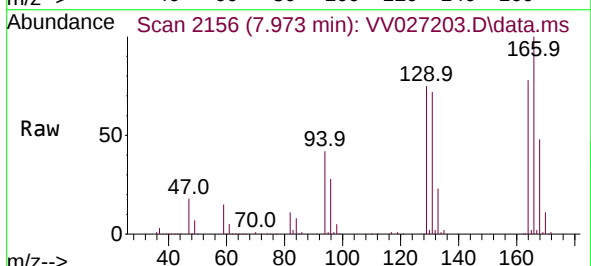
Ion Ratio Lower Upper

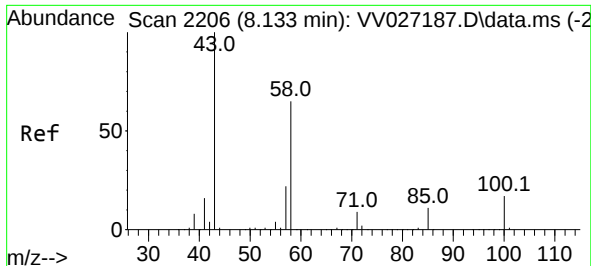
164 100

129 96.8 66.0 122.6

131 92.9 63.1 117.1

166 128.4 86.7 161.1

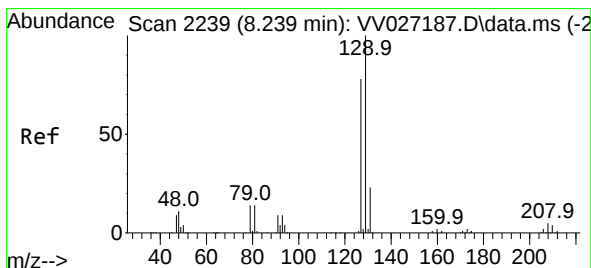
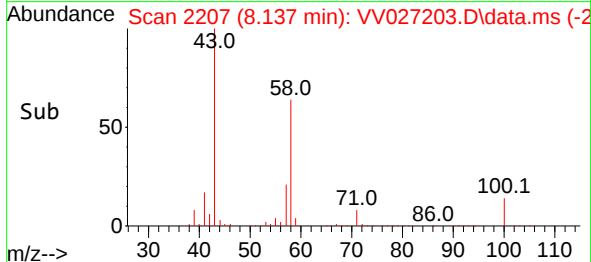
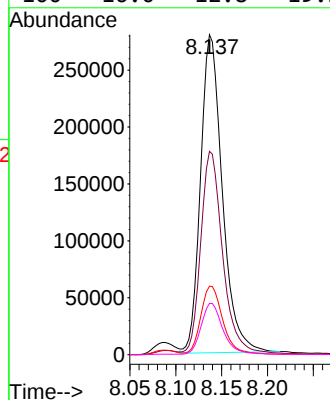
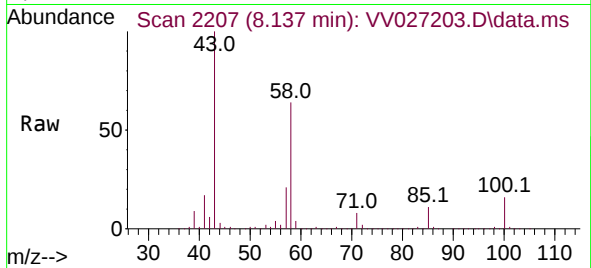




#48
2-Hexanone
Concen: 114.462 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

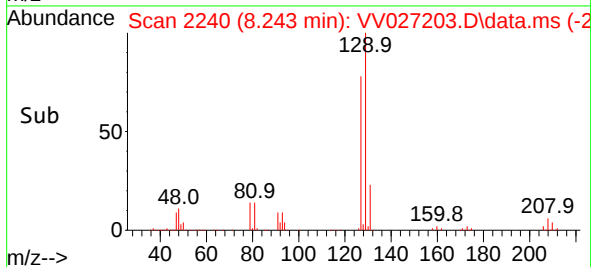
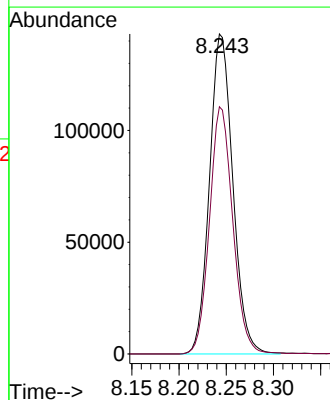
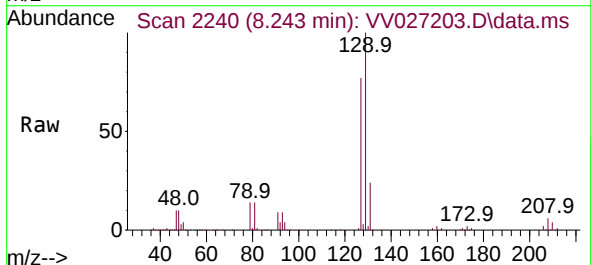
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

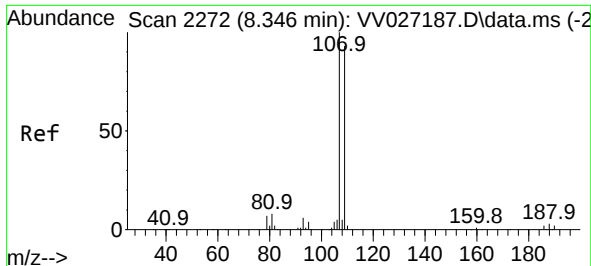
Tgt Ion: 43	Resp: 462116
Ion Ratio	Lower Upper
43 100	
58 64.0	51.3 76.9
57 21.8	16.7 25.1
100 16.0	12.8 19.2



#49
Dibromochloromethane
Concen: 51.343 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion:129	Resp: 246160
Ion Ratio	Lower Upper
129 100	
127 77.2	54.5 101.3





#50

1,2-Dibromoethane

Concen: 50.293 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

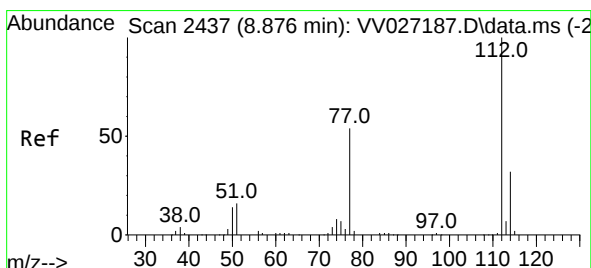
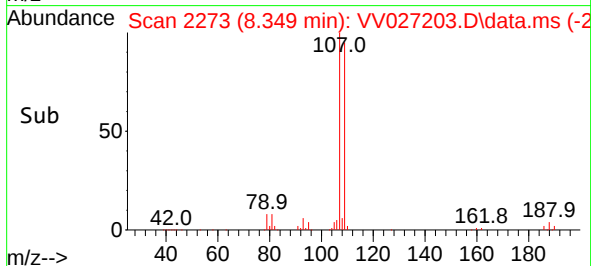
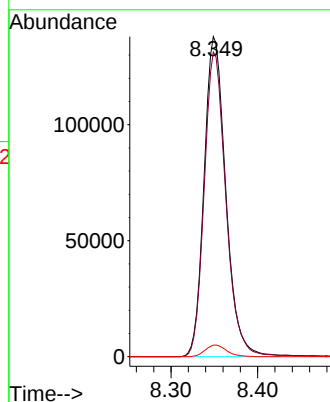
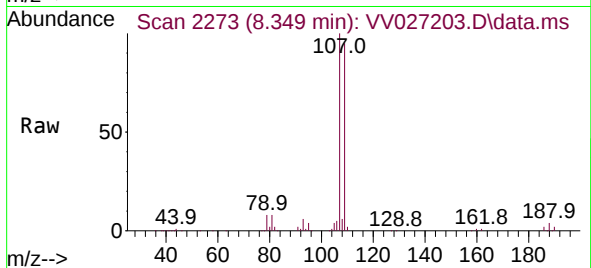
Tgt Ion:107 Resp: 240480

Ion Ratio Lower Upper

107 100

109 95.2 65.3 121.3

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 49.177 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

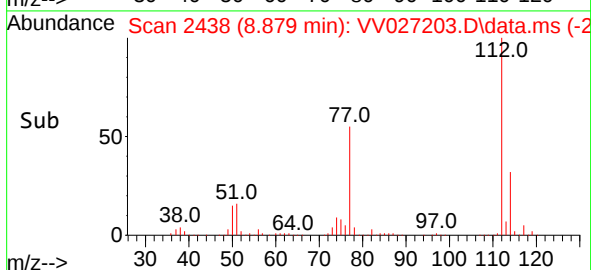
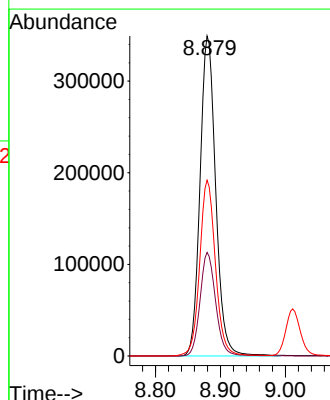
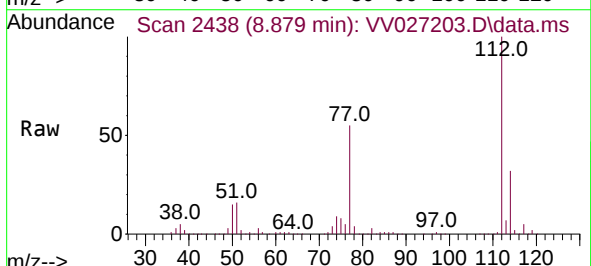
Tgt Ion:112 Resp: 587566

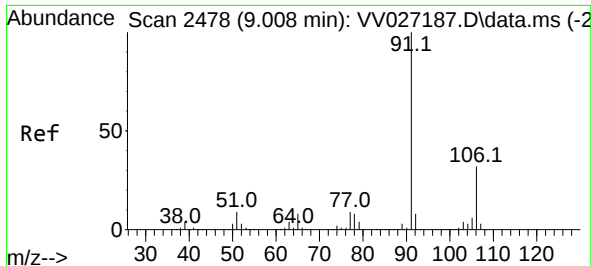
Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.3

77 54.9 44.9 67.3

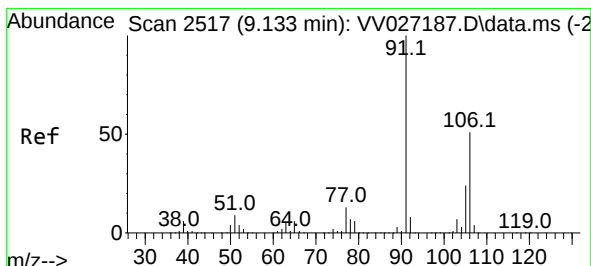
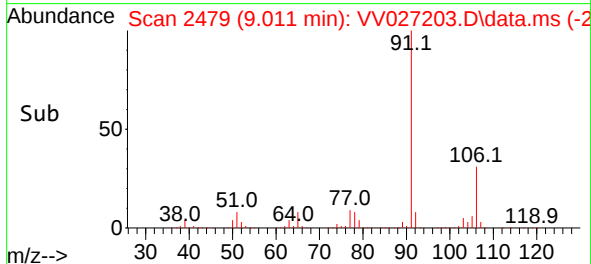
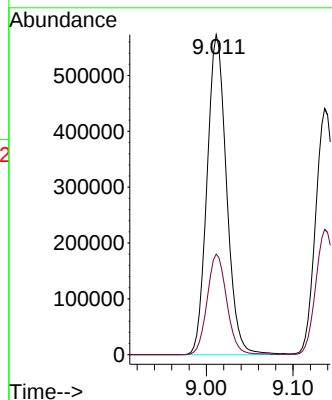
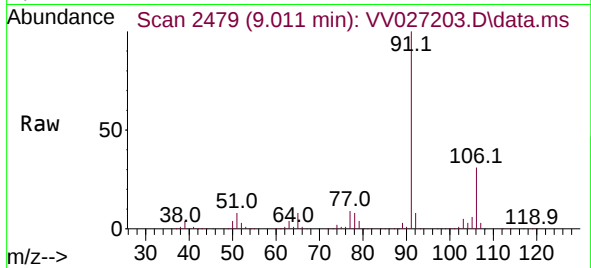




#52
Ethylbenzene
Concen: 50.685 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

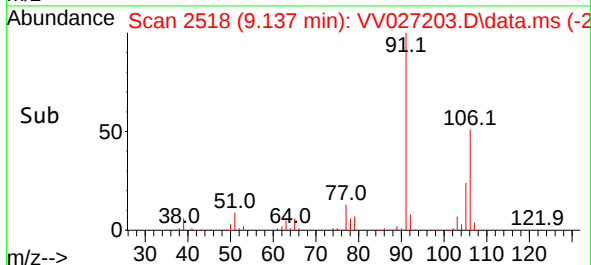
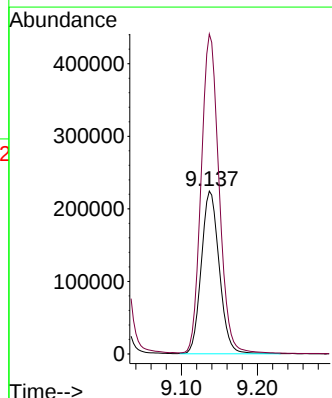
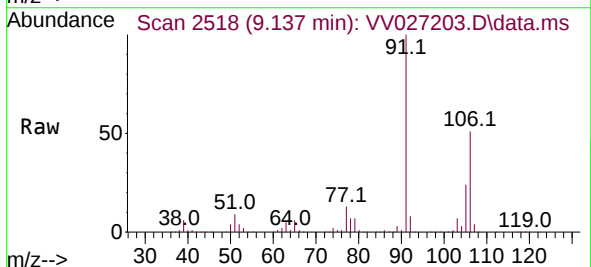
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

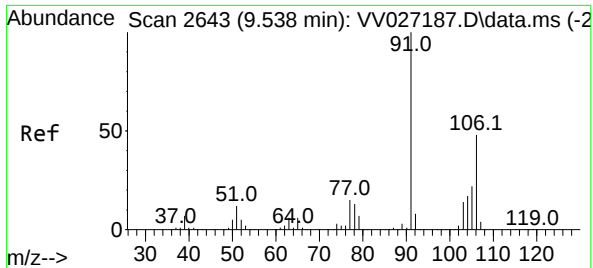
Tgt Ion: 91 Resp: 896815
Ion Ratio Lower Upper
91 100
106 31.4 22.1 41.1



#53
m,p-Xylene
Concen: 52.934 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 106 Resp: 367409
Ion Ratio Lower Upper
106 100
91 196.4 138.5 257.3

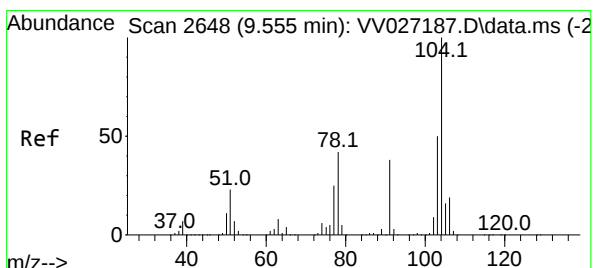
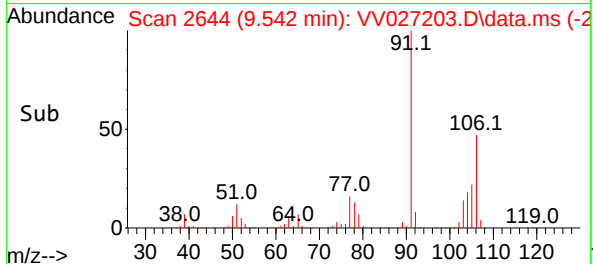
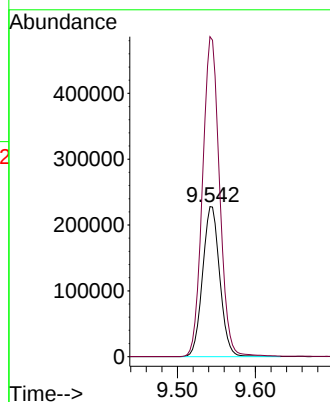
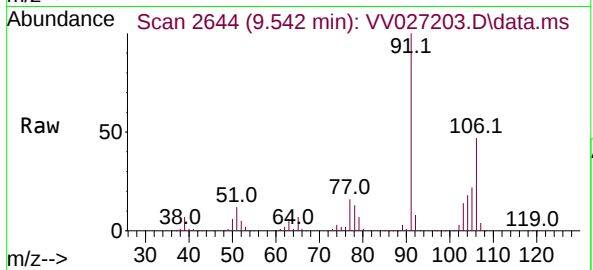




#54
o-Xylene
Concen: 51.355 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

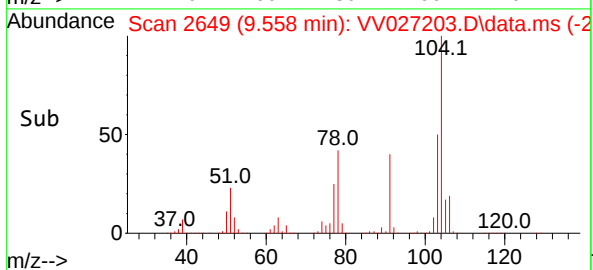
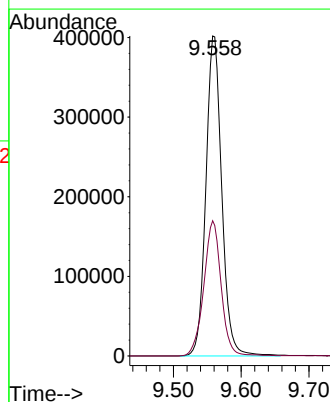
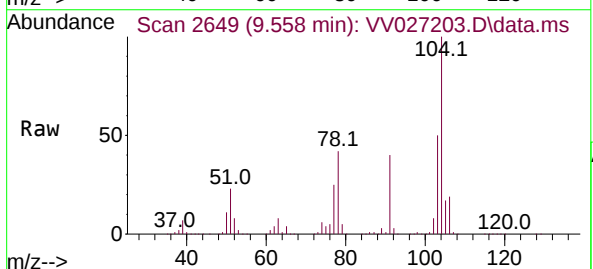
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

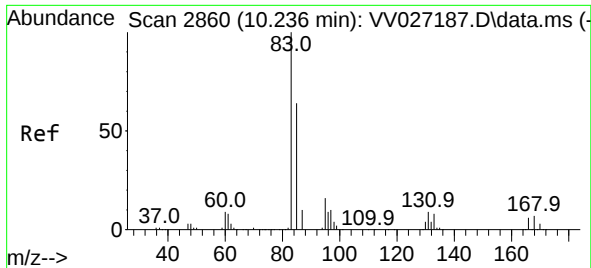
Tgt Ion:106 Resp: 348923
Ion Ratio Lower Upper
106 100
91 213.1 145.1 269.5



#55
Styrene
Concen: 55.390 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion:104 Resp: 654081
Ion Ratio Lower Upper
104 100
78 42.2 29.2 54.2

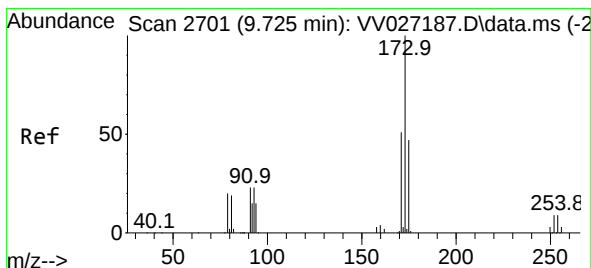
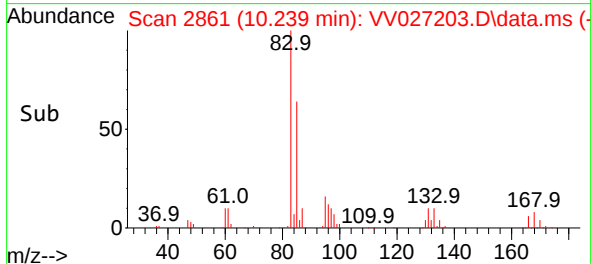
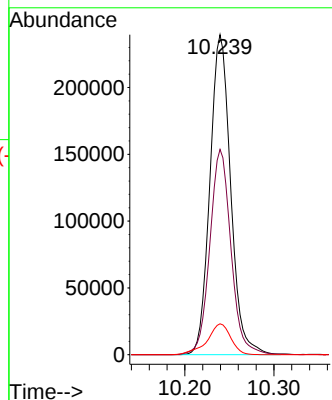
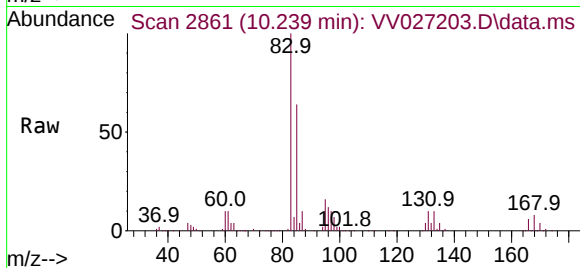




#57
1,1,2,2-Tetrachloroethane
Concen: 51.696 ug/L
RT: 10.239 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

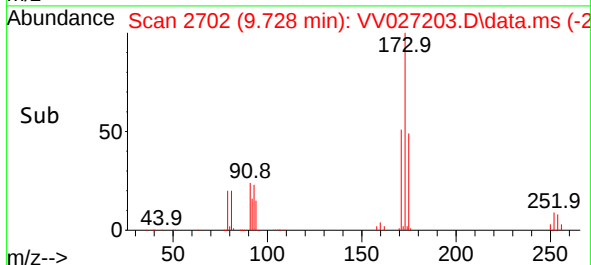
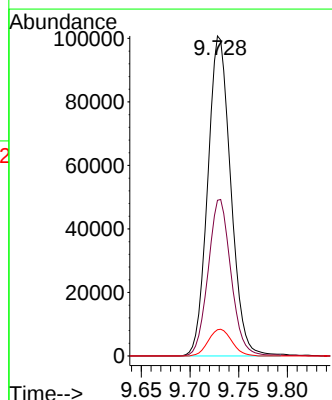
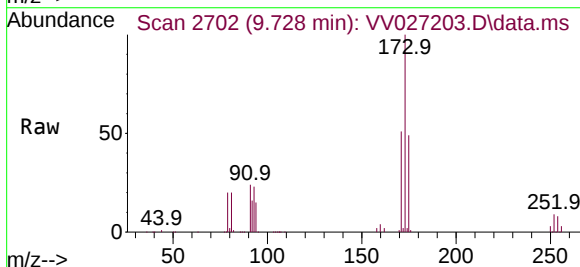
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

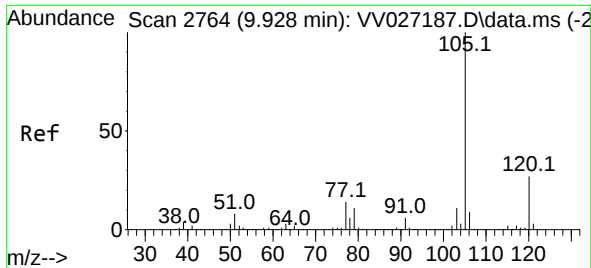
Tgt Ion: 83 Resp: 387161
Ion Ratio Lower Upper
83 100
85 64.1 45.2 84.0
131 9.6 7.8 11.6



#59
Bromoform
Concen: 49.556 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 173 Resp: 165801
Ion Ratio Lower Upper
173 100
175 48.5 38.2 57.4
254 8.5 6.8 10.2

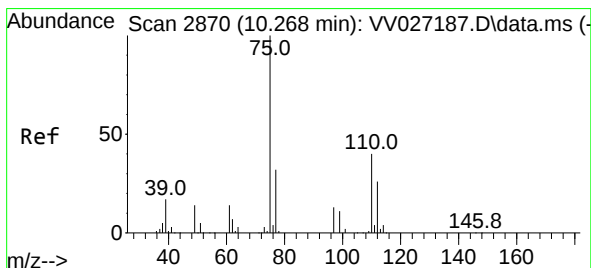
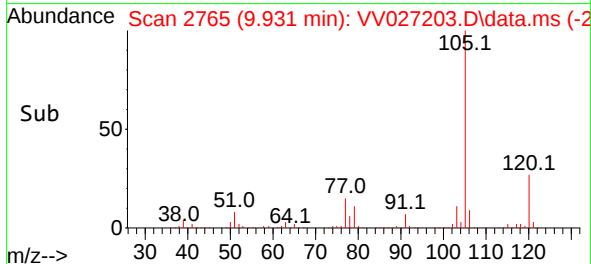
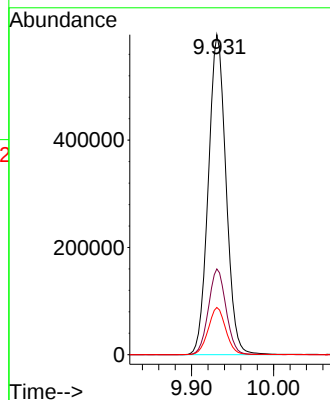
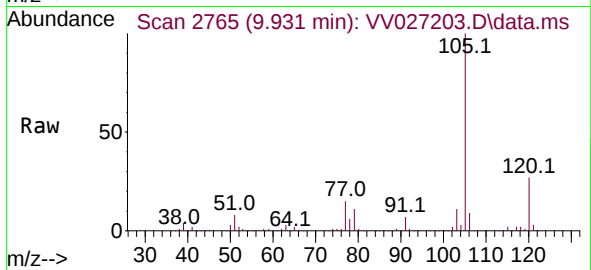




#60
Isopropylbenzene
Concen: 50.253 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

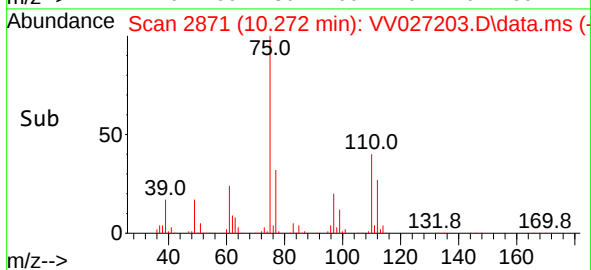
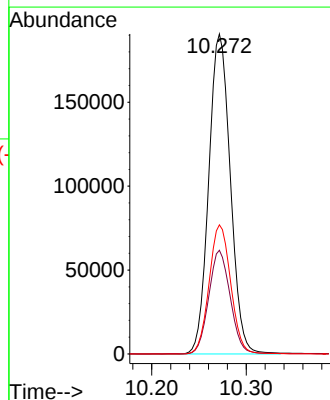
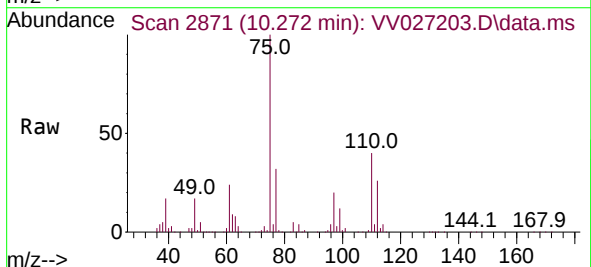
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

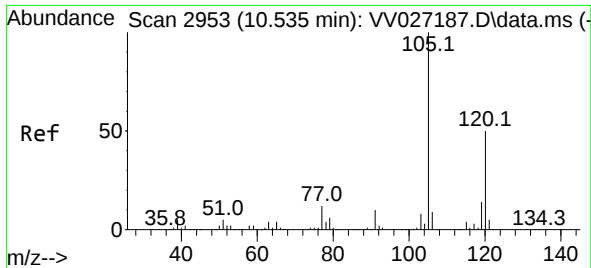
Tgt Ion:105 Resp: 893604
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 14.6 11.7 17.5



#61
1,2,3-Trichloropropane
Concen: 50.267 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion: 75 Resp: 302442
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 40.5 32.8 49.2

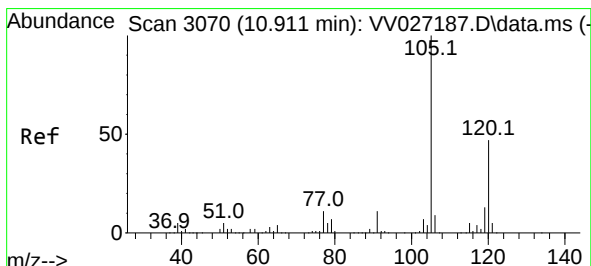
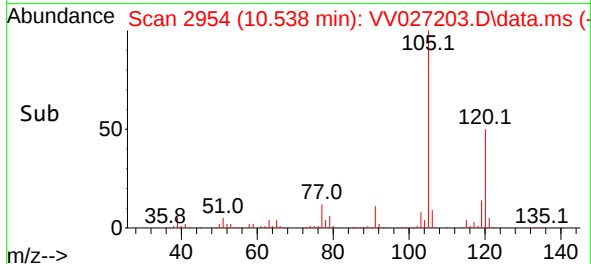
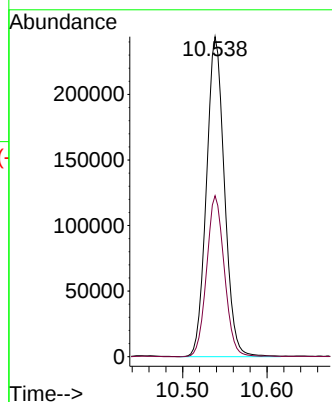
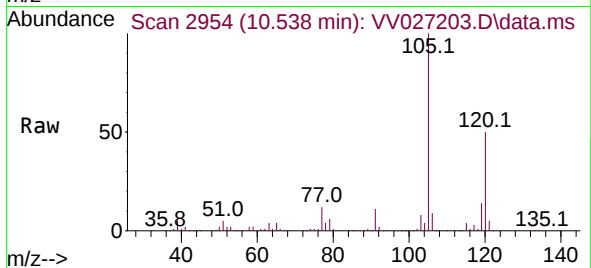




#62
1,3,5-Trimethylbenzene
Concen: 47.160 ug/L
RT: 10.538 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

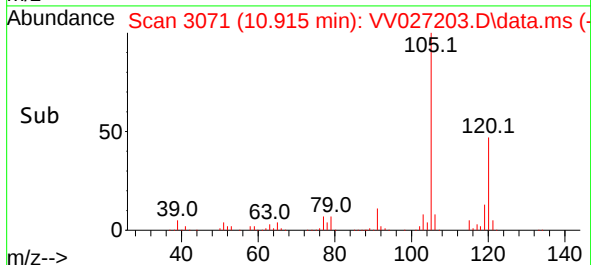
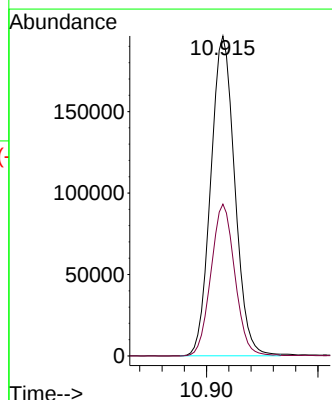
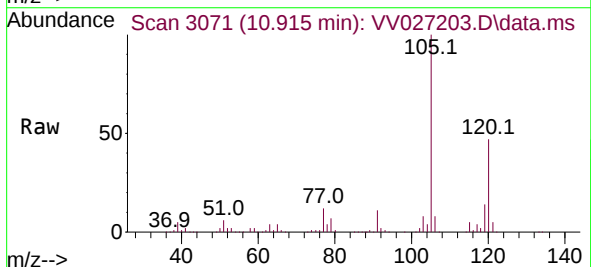
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

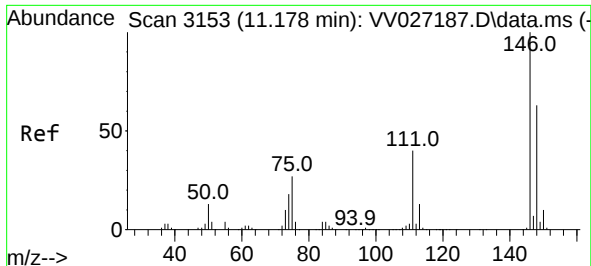
Tgt Ion:105 Resp: 363229
Ion Ratio Lower Upper
105 100
120 49.6 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 47.214 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion:105 Resp: 293816
Ion Ratio Lower Upper
105 100
120 47.2 36.5 54.7

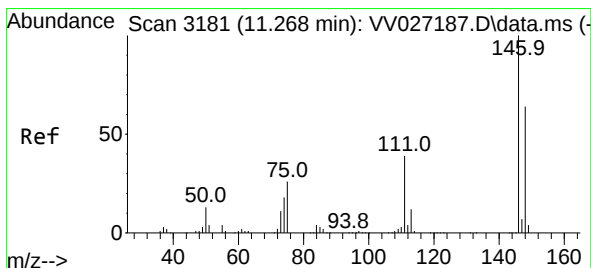
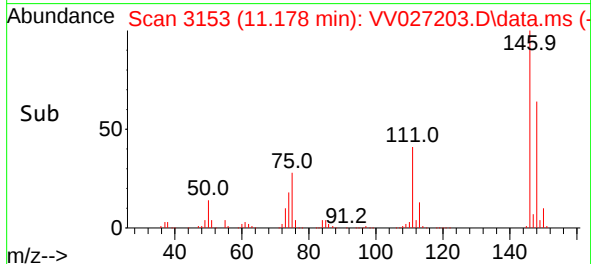
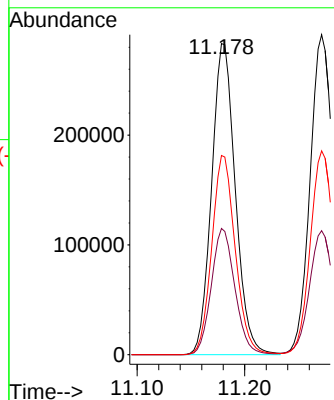
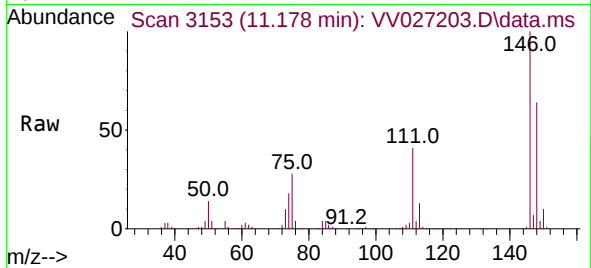




#64
1,3-Dichlorobenzene
Concen: 49.525 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

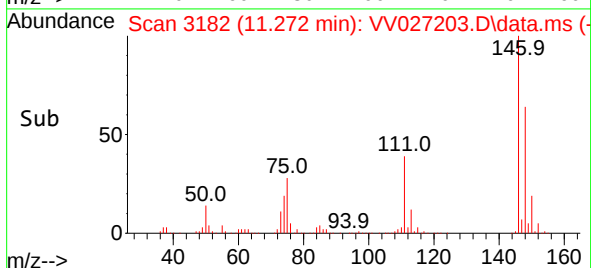
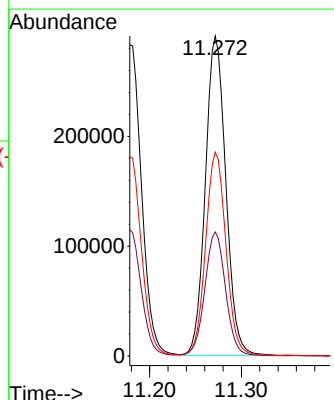
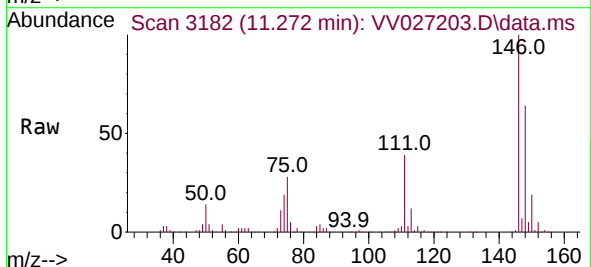
Instrument :
MSVOA_V
ClientSampleId :
VSTD050327

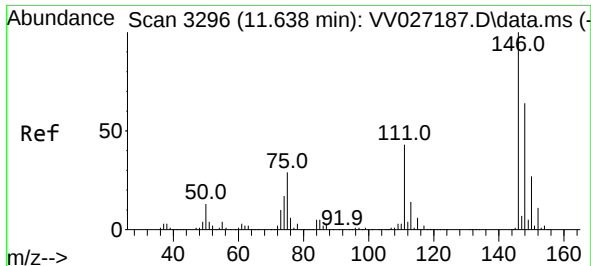
Tgt Ion:146 Resp: 434019
Ion Ratio Lower Upper
146 100
111 40.6 28.6 53.2
148 64.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.683 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV027203.D
Acq: 03 Aug 2022 19:55

Tgt Ion:146 Resp: 450083
Ion Ratio Lower Upper
146 100
111 38.7 27.2 50.4
148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 49.628 ug/L

RT: 11.641 min Scan# 3296

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

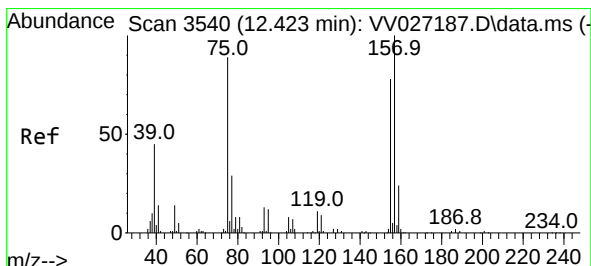
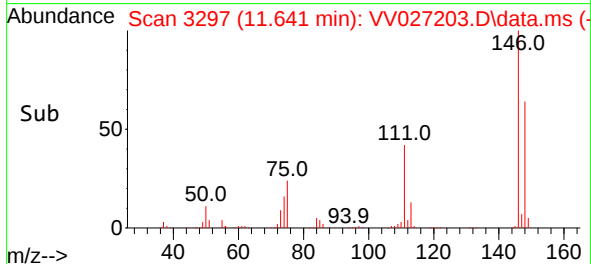
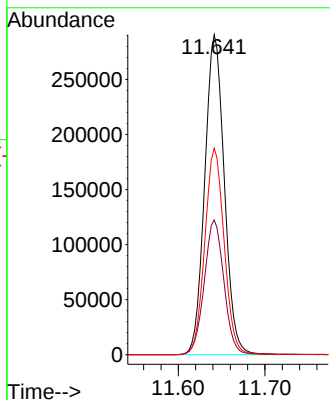
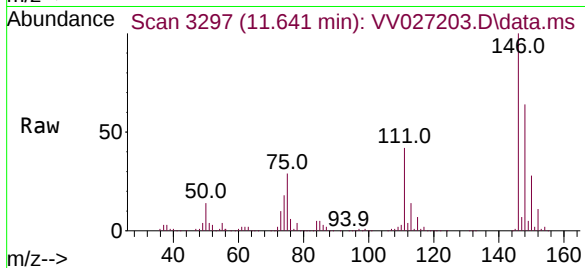
Tgt Ion:146 Resp: 456720

Ion Ratio Lower Upper

146 100

111 42.1 32.8 49.2

148 64.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 50.131 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.003 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

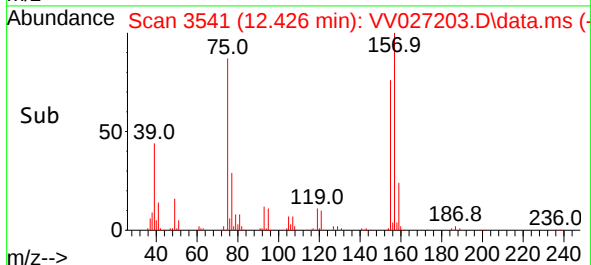
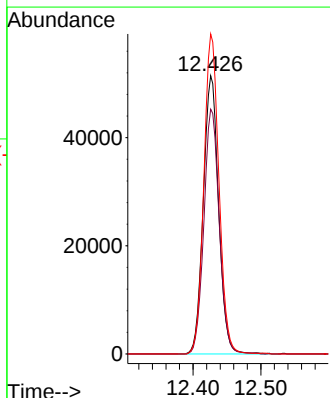
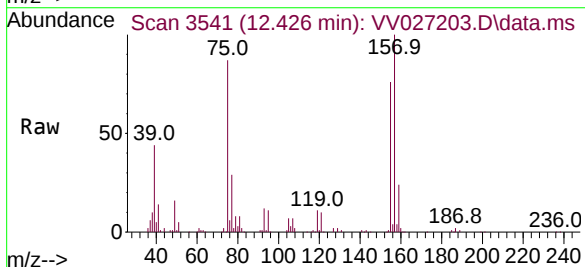
Tgt Ion: 75 Resp: 80697

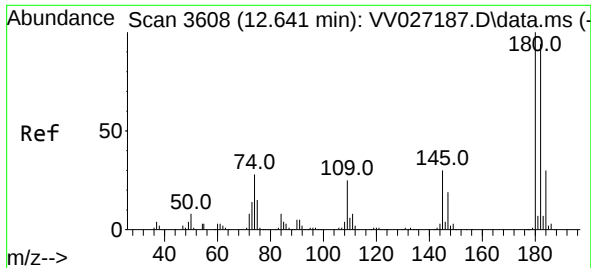
Ion Ratio Lower Upper

75 100

155 88.0 69.6 104.4

157 115.0 88.1 132.1



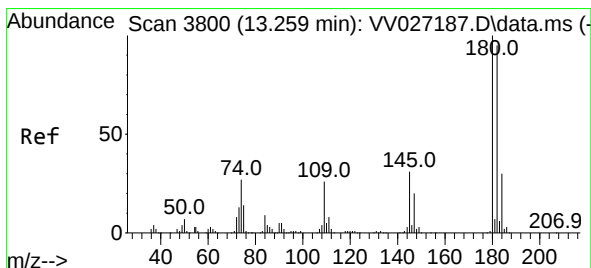
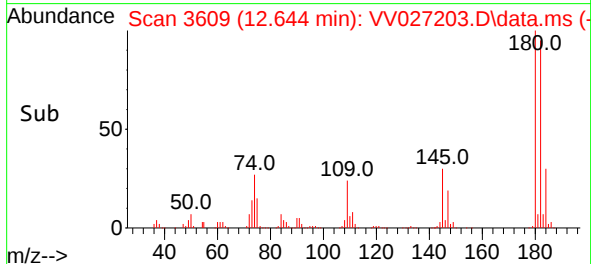
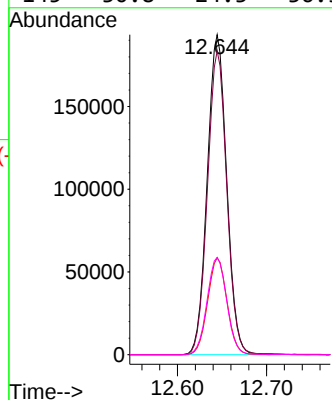
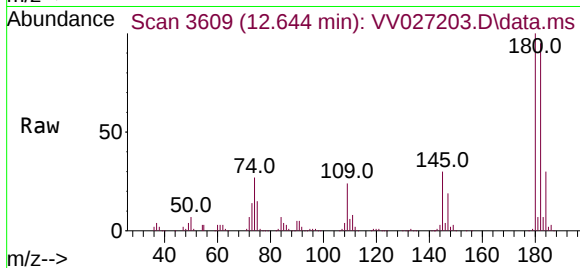


#69
 1,3,5-Trichlorobenzene
 Concen: 47.217 ug/L
 RT: 12.644 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050327

Tgt Ion:180 Resp: 293570

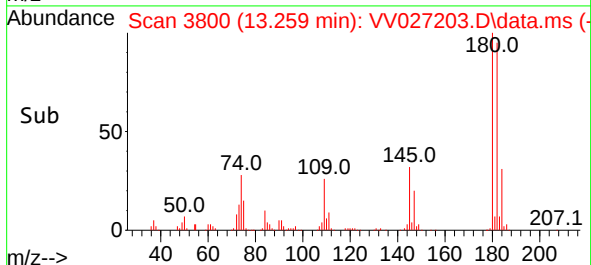
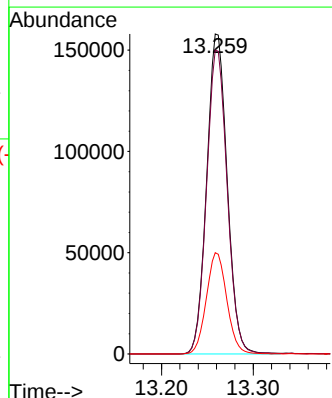
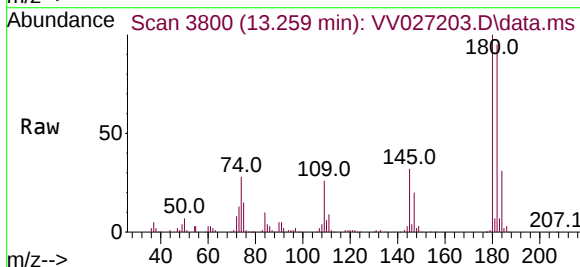
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
184	30.1	24.3	36.5
145	30.8	24.3	36.5

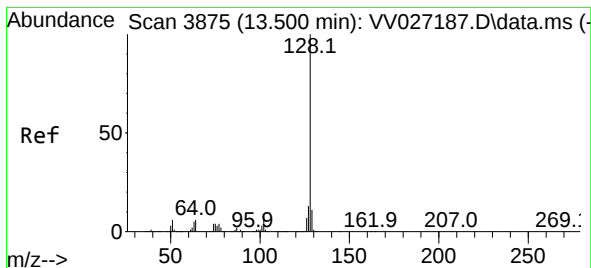


#70
 1,2,4-trichlorobenzene
 Concen: 47.047 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV027203.D
 Acq: 03 Aug 2022 19:55

Tgt Ion:180 Resp: 245611

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
145	31.6	24.7	37.1





#71

Naphthalene

Concen: 50.939 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD050327

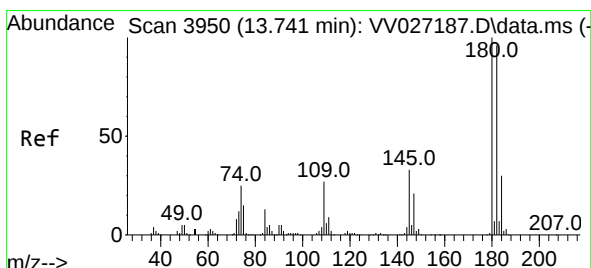
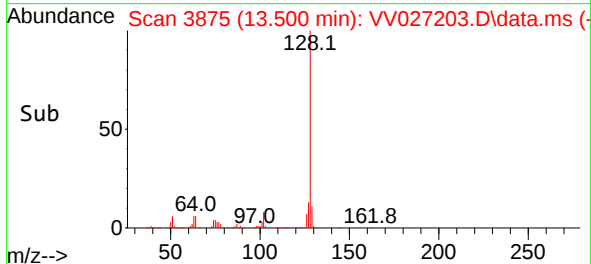
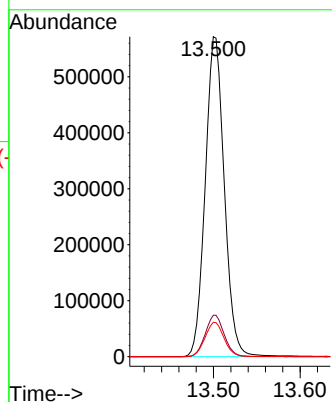
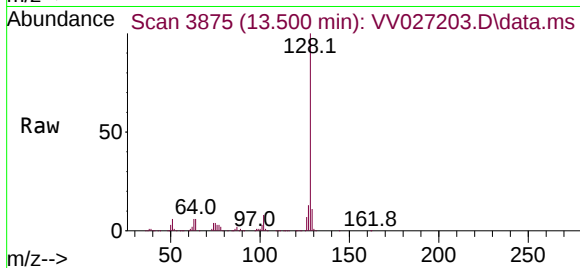
Tgt Ion:128 Resp: 873554

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.736 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027203.D

Acq: 03 Aug 2022 19:55

Tgt Ion:180 Resp: 289654

Ion Ratio Lower Upper

180 100

182 96.0 76.3 114.5

145 33.5 26.8 40.2

