

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081822\
 Data File : VV027420.D
 Acq On : 17 Aug 2022 15:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

Quant Time: Aug 18 02:16:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 12 03:40:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	318738	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	310957	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	182105	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	104186	47.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.880%
7) Chloroethane-d5	1.561	69	75533	47.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.100%
11) 1,1-Dichloroethene-d2	2.105	63	222142	55.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.780%
21) 2-Butanone-d5	3.873	46	151764	78.459	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.460%
24) Chloroform-d	4.343	84	202732	45.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	5.024	65	129531	46.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.740%
32) Benzene-d6	5.044	84	395882	53.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.180%
36) 1,2-Dichloropropane-d6	6.066	67	122077	46.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.040%
41) Toluene-d8	7.310	98	357520	56.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.500%
43) trans-1,3-Dichloroprop...	7.619	79	56524	48.888	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.780%
47) 2-Hexanone-d5	8.085	63	103424	80.953	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.950%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	170485	39.439	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	126739	40.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	131295	46.305	ug/L	99
3) Chloromethane	1.240	50	123278	38.058	ug/L	99
5) Vinyl chloride	1.311	62	131621	40.789	ug/L	99
6) Bromomethane	1.513	94	54957	36.127	ug/L	100
8) Chloroethane	1.577	64	76651	42.638	ug/L	97
9) Trichlorofluoromethane	1.748	101	216105	52.194	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	132311	57.629	ug/L	97
12) 1,1-Dichloroethene	2.114	96	110492	50.029	ug/L	89
13) Acetone	2.163	43	206294	138.311	ug/L	87
14) Carbon disulfide	2.291	76	281042	37.389	ug/L	99
15) Methyl Acetate	2.423	43	167025	49.235	ug/L	# 84
16) Methylene chloride	2.500	84	143960	48.798	ug/L	85
17) trans-1,2-Dichloroethene	2.754	96	116938	47.847	ug/L	92
18) Methyl tert-butyl Ether	2.764	73	412750	56.784	ug/L	# 94
19) 1,1-Dichloroethane	3.182	63	249537	50.861	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	131520	51.802	ug/L	84
22) 2-Butanone	3.954	43	251749	123.115	ug/L	99
23) Bromochloromethane	4.240	128	74890	52.823	ug/L	88
25) Chloroform	4.368	83	272829	55.025	ug/L	99

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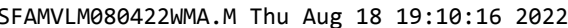
Instrument :
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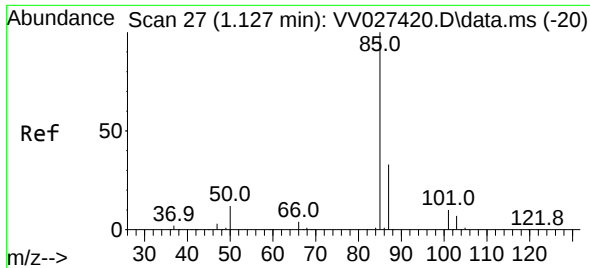
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 12 03:40:21 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	210113	54.411	ug/L	94
29) Cyclohexane	4.671	56	192386	53.721	ug/L	90
30) 1,1,1-Trichloroethane	4.600	97	234267	56.839	ug/L	97
31) Carbon tetrachloride	4.822	117	202418	56.568	ug/L	100
33) Benzene	5.092	78	540037	54.043	ug/L	100
34) Trichloroethene	5.908	95	133556	52.198	ug/L	98
35) Methylcyclohexane	6.127	83	202712	53.879	ug/L	92
37) 1,2-Dichloropropane	6.166	63	152487	54.470	ug/L	100
38) Bromodichloromethane	6.503	83	200173	54.572	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	210127	56.665	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	451424	113.034	ug/L #	92
42) Toluene	7.384	91	566439	55.752	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	213775	58.663	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	146620	54.341	ug/L	97
46) Tetrachloroethene	7.969	164	103420	55.225	ug/L	98
48) 2-Hexanone	8.133	43	363440	114.263	ug/L #	90
49) Dibromochloromethane	8.240	129	162458	56.960	ug/L	99
50) 1,2-Dibromoethane	8.349	107	146628	52.814	ug/L	97
51) Chlorobenzene	8.876	112	365496	53.633	ug/L	96
52) Ethylbenzene	9.008	91	597137	56.959	ug/L	99
53) m,p-Xylene	9.137	106	228980	57.792	ug/L	94
54) o-Xylene	9.542	106	224314	58.112	ug/L	96
55) Styrene	9.558	104	412463	60.658	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.236	83	240250	53.151	ug/L	99
59) Bromoform	9.728	173	114164	52.766	ug/L	100
60) Isopropylbenzene	9.928	105	602063	52.462	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	194513	46.526	ug/L	99
62) 1,3,5-Trimethylbenzene	10.539	105	496984	52.439	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	501154	53.979	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	291114	52.339	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	297960	50.902	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	295241	50.661	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.423	75	53569	45.672	ug/L	91
69) 1,3,5-Trichlorobenzene	12.641	180	213592	57.174	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	183959	59.289	ug/L	99
71) Naphthalene	13.500	128	612938	57.691	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	206949	60.175	ug/L	98

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

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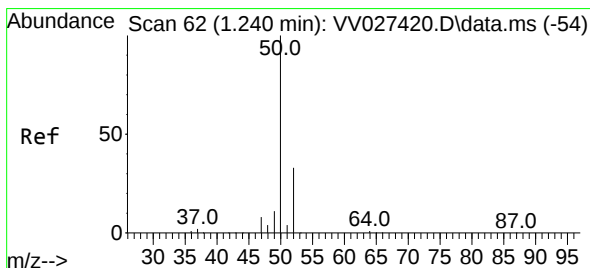
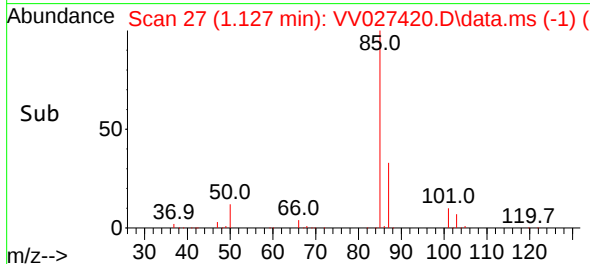
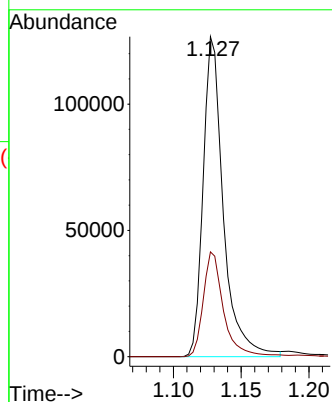
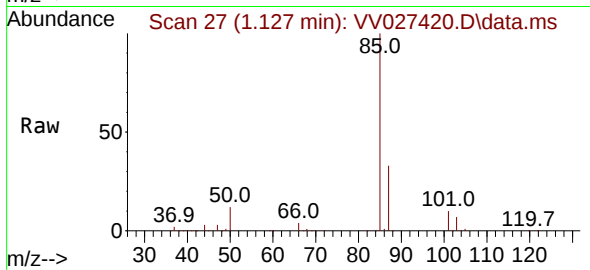




#2
 Dichlorodifluoromethane
 Concen: 46.305 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

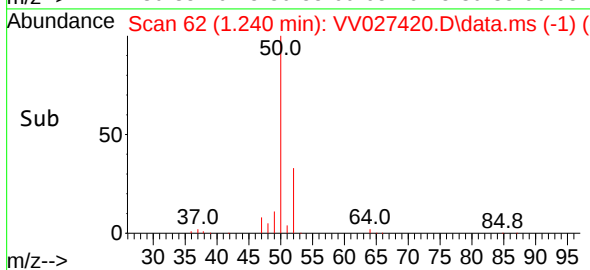
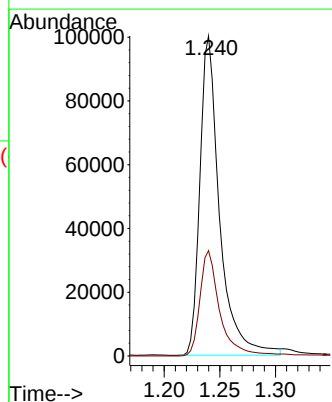
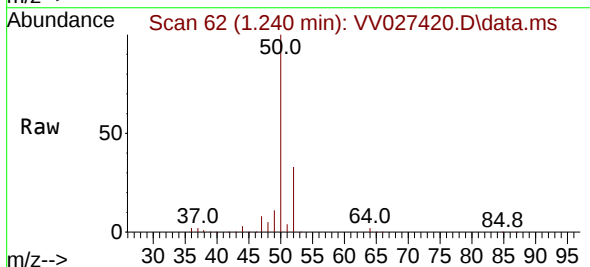
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

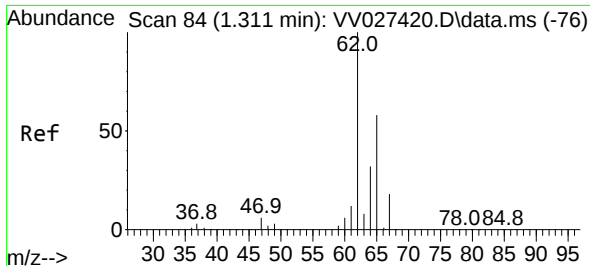
Tgt Ion: 85 Resp: 131295
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.1 39.1



#3
 Chloromethane
 Concen: 38.058 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion: 50 Resp: 123278
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.5 43.7

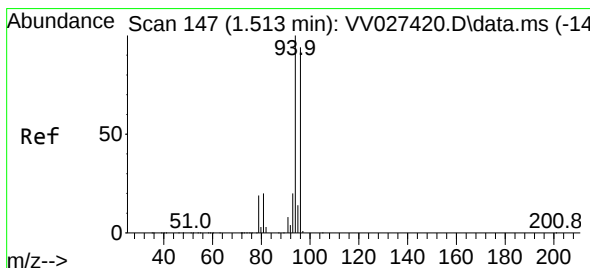
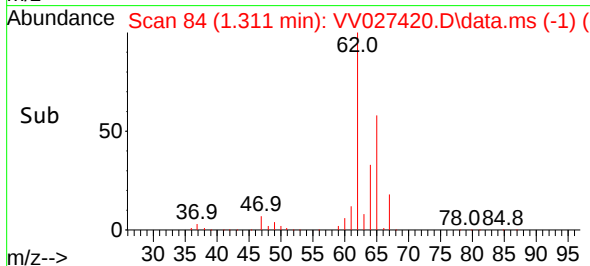
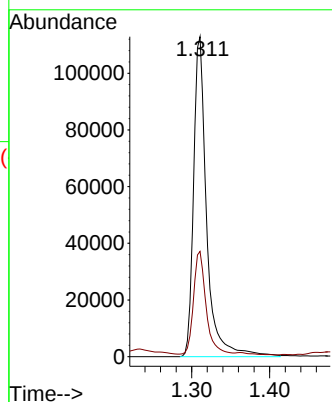
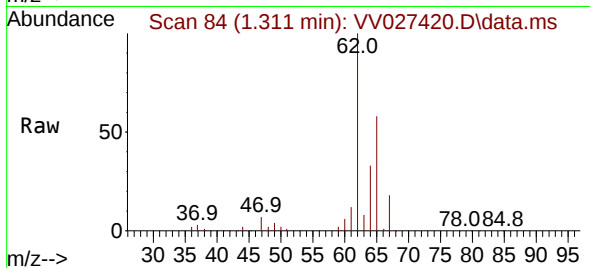




#5
 Vinyl chloride
 Concen: 40.789 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

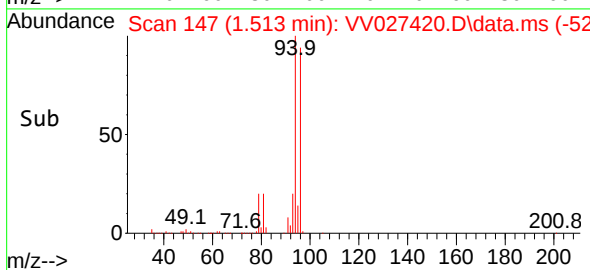
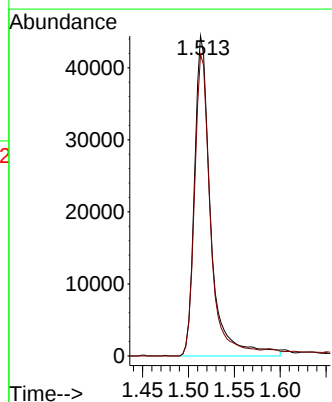
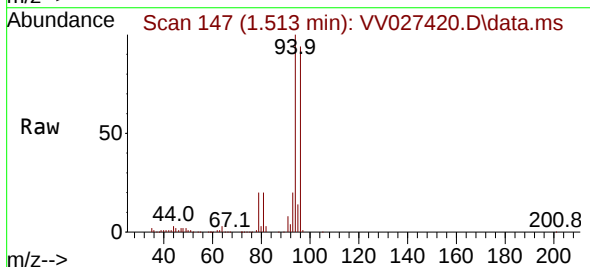
Instrument :
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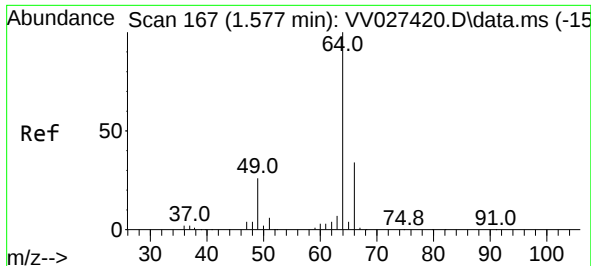
Tgt Ion: 62 Resp: 131621
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.2



#6
 Bromomethane
 Concen: 36.127 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.007 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion: 94 Resp: 54957
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.1 122.8

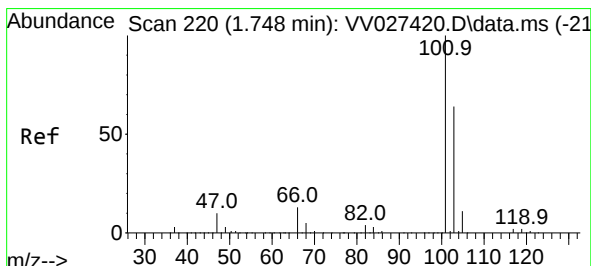
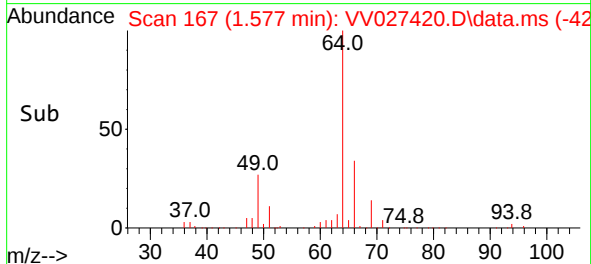
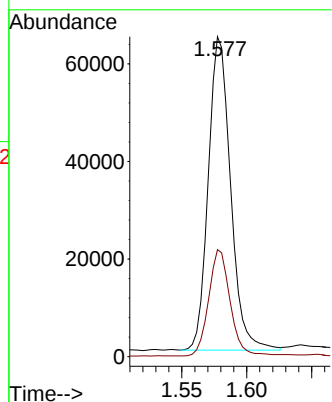
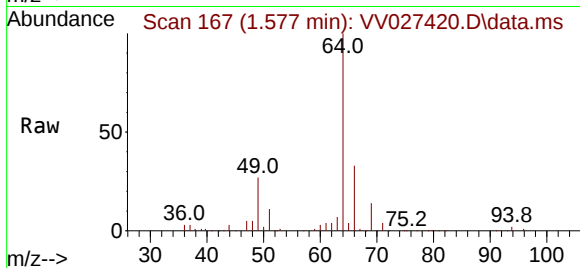




#8
Chloroethane
Concen: 42.638 ug/L
RT: 1.577 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

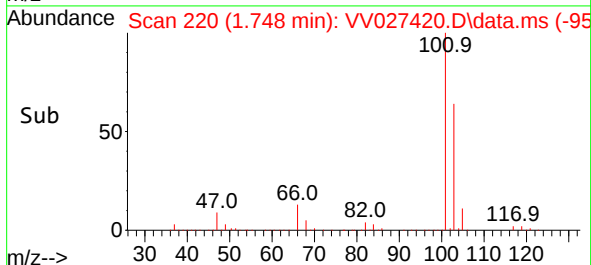
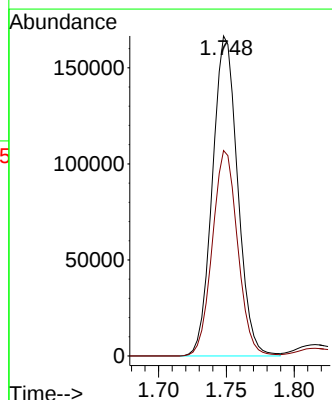
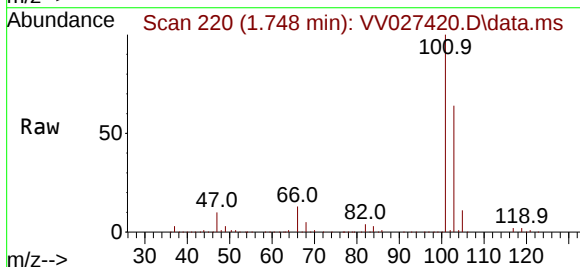
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ClientSampleId :
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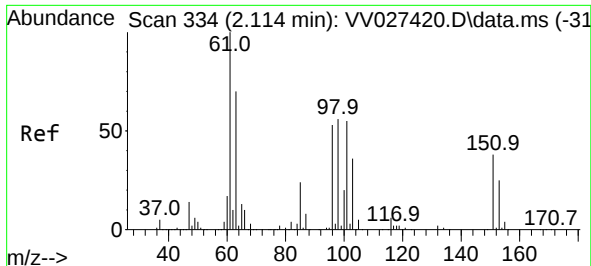
Tgt Ion: 64 Resp: 76651
Ion Ratio Lower Upper
64 100
66 33.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 52.194 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion:101 Resp: 216105
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 57.629 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

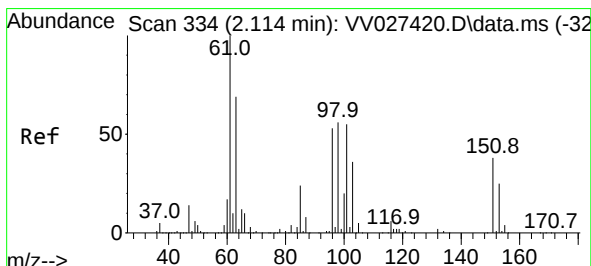
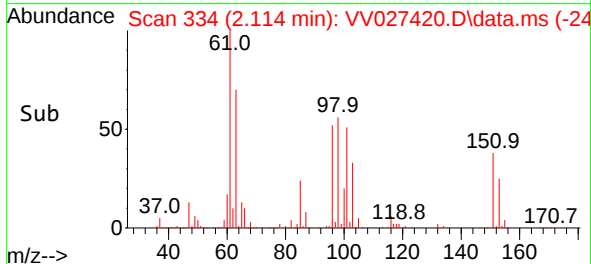
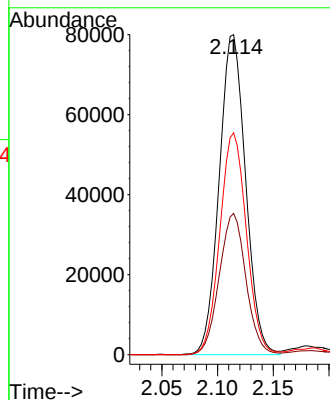
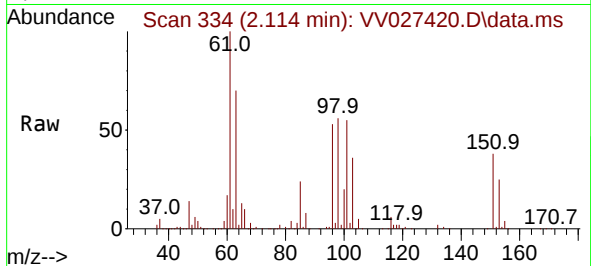
Tgt Ion:101 Resp: 132311

Ion Ratio Lower Upper

101 100

85 44.6 34.1 51.1

151 69.9 57.8 86.8



#12

1,1-Dichloroethene

Concen: 50.029 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

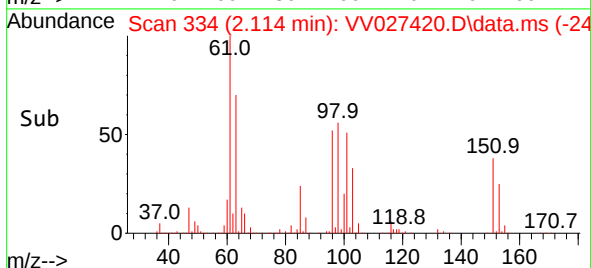
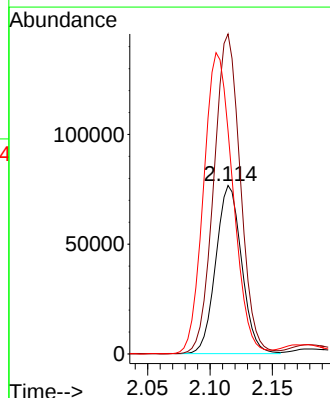
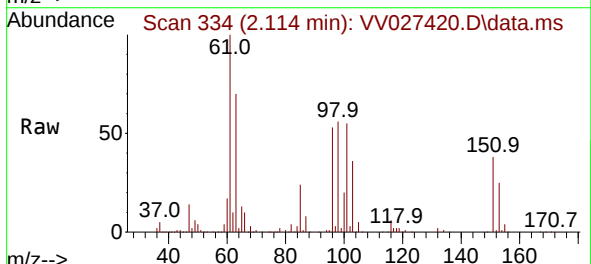
Tgt Ion: 96 Resp: 110492

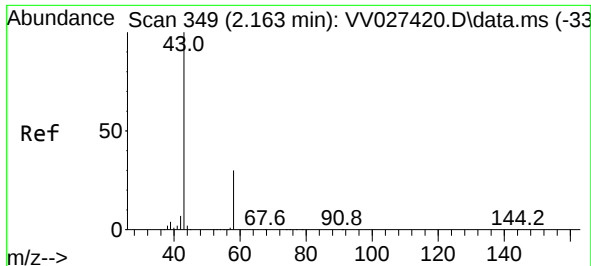
Ion Ratio Lower Upper

96 100

61 189.9 114.3 212.3

63 132.5 93.4 173.4





#13

Acetone

Concen: 138.311 ug/L

RT: 2.163 min Scan# 349

Delta R.T. 0.007 min

Lab File: VV027420.D

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ClientSampleId :

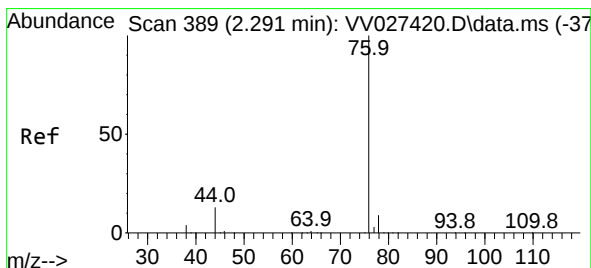
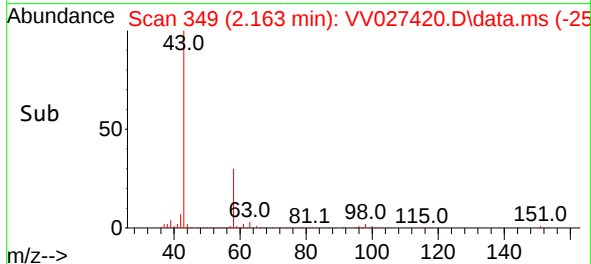
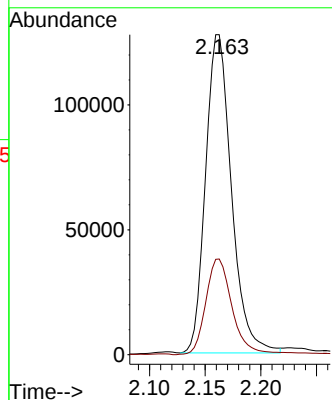
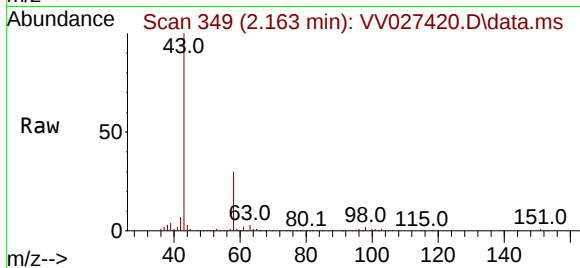
VSTD050338

Tgt Ion: 43 Resp: 206294

Ion Ratio Lower Upper

43 100

58 31.5 0.0 49.6



#14

Carbon disulfide

Concen: 37.389 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.007 min

Lab File: VV027420.D

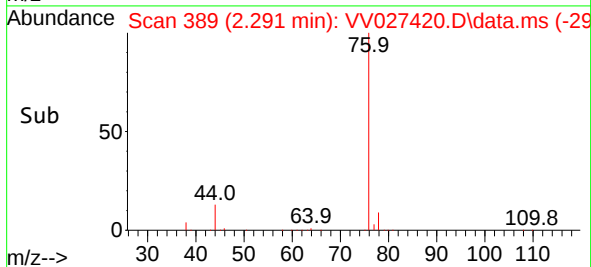
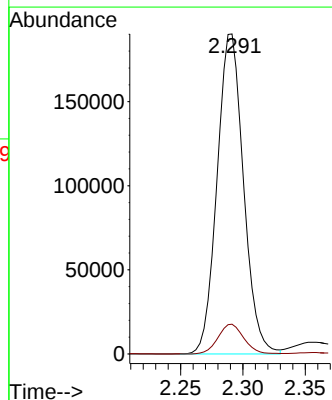
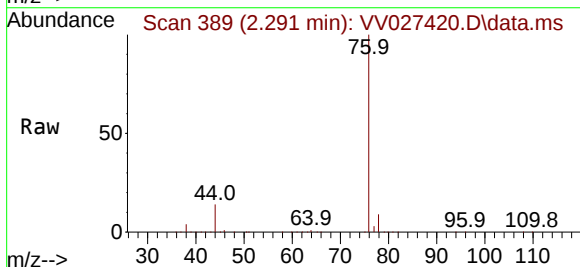
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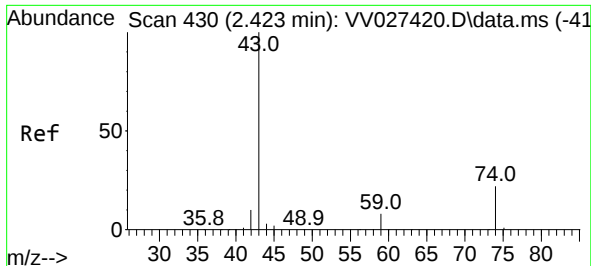
Tgt Ion: 76 Resp: 281042

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

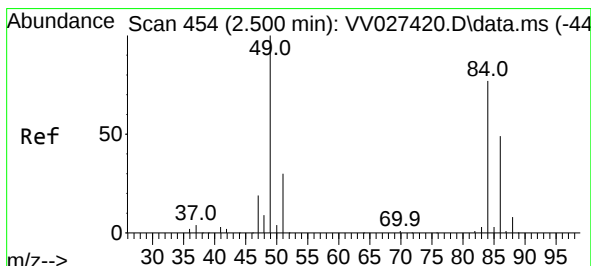
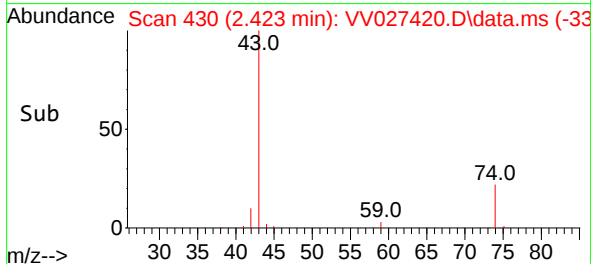
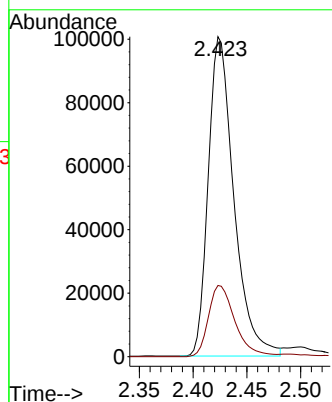
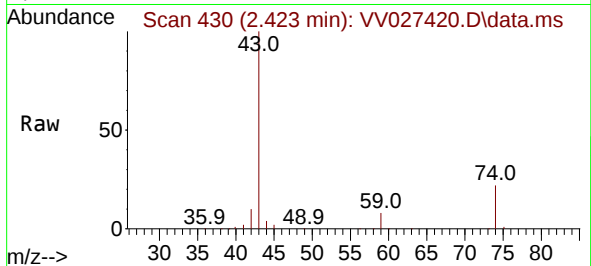




#15
Methyl Acetate
Concen: 49.235 ug/L
RT: 2.423 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

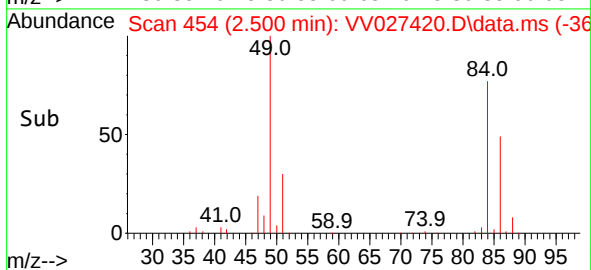
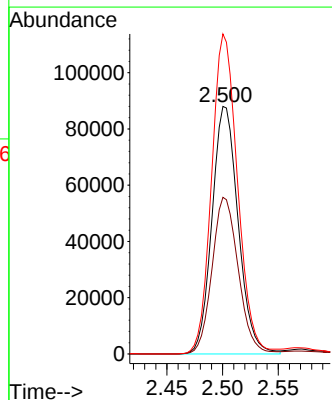
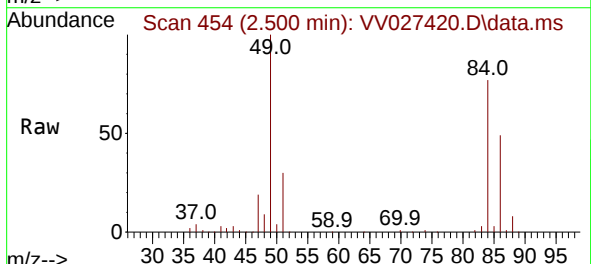
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

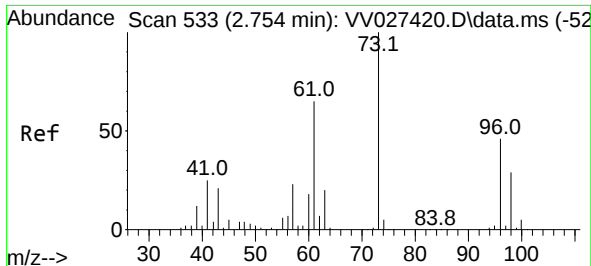
Tgt Ion: 43 Resp: 167025
Ion Ratio Lower Upper
43 100
74 23.1 25.5 38.3#



#16
Methylene chloride
Concen: 48.798 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 84 Resp: 143960
Ion Ratio Lower Upper
84 100
86 63.3 45.0 83.6
49 129.3 74.1 137.7

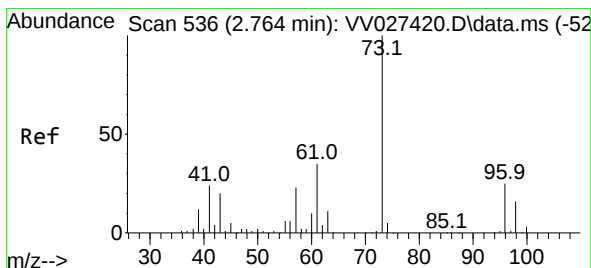
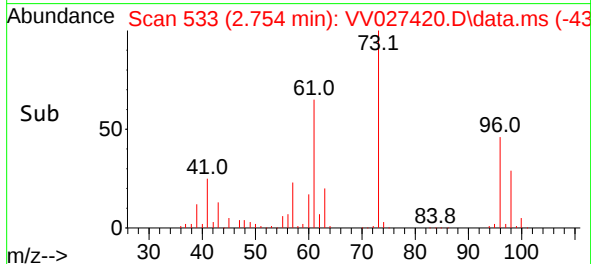
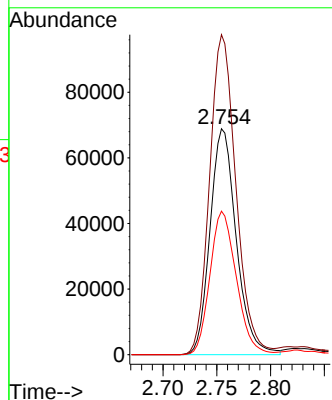
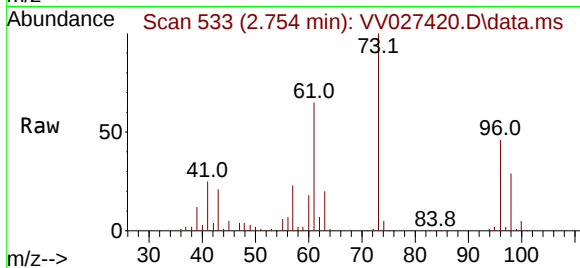




#17
trans-1,2-Dichloroethene
Concen: 47.847 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

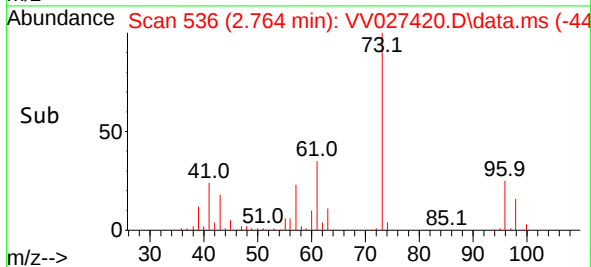
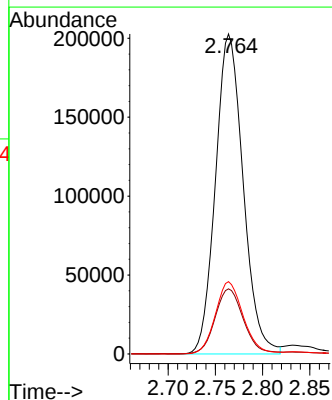
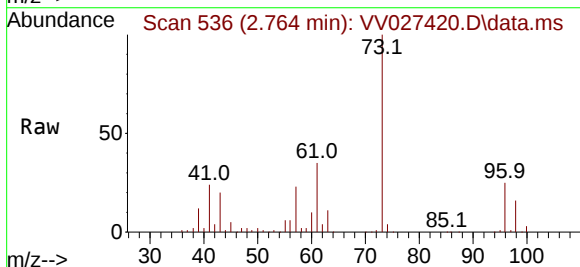
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

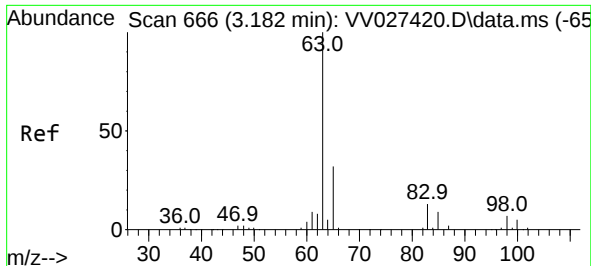
Tgt Ion: 96 Resp: 116938
Ion Ratio Lower Upper
96 100
61 141.7 89.2 165.6
98 63.6 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 56.784 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 73 Resp: 412750
Ion Ratio Lower Upper
73 100
43 20.7 12.6 18.8#
57 22.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 50.861 ug/L

RT: 3.182 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

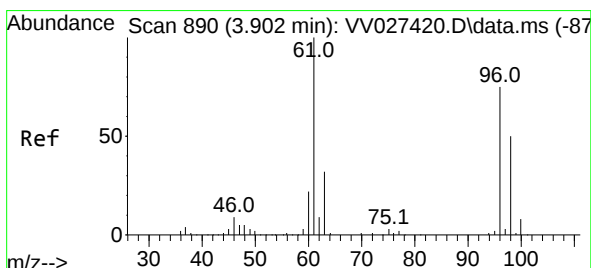
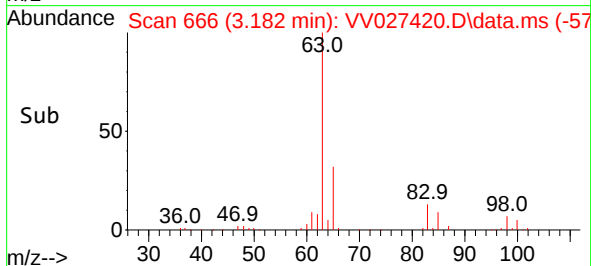
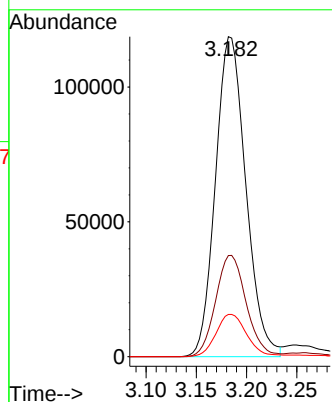
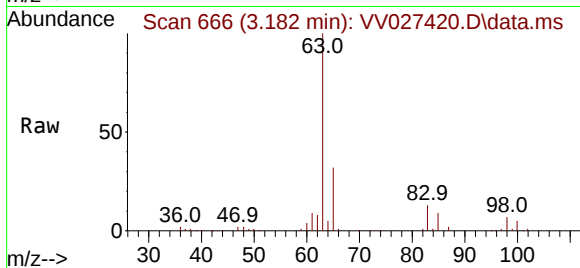
Tgt Ion: 63 Resp: 249537

Ion Ratio Lower Upper

63 100

65 31.6 22.7 42.3

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 51.802 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

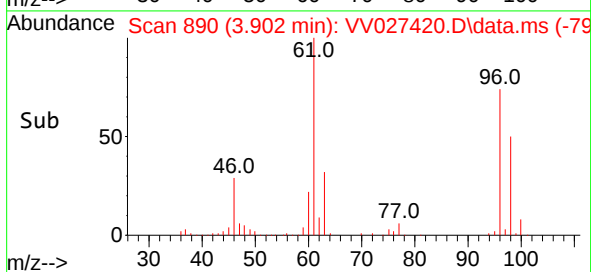
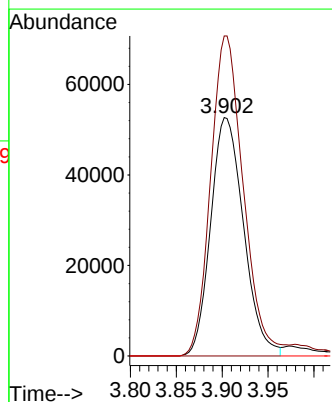
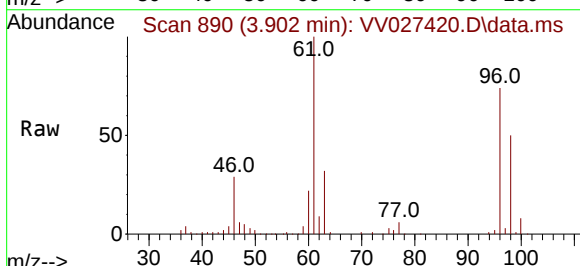
Tgt Ion: 96 Resp: 131520

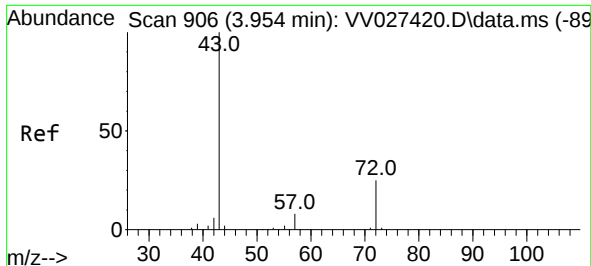
Ion Ratio Lower Upper

96 100

61 134.2 81.8 151.8

68 0.0 0.0 0.0

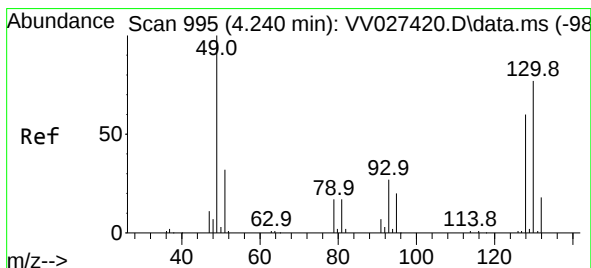
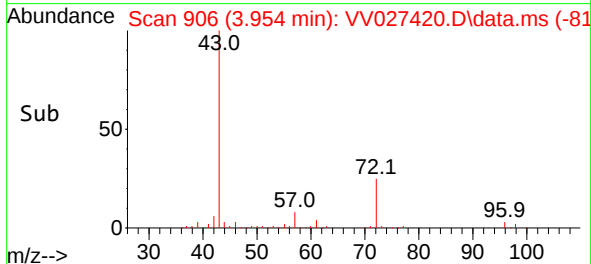
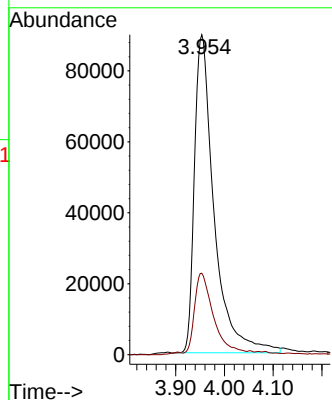
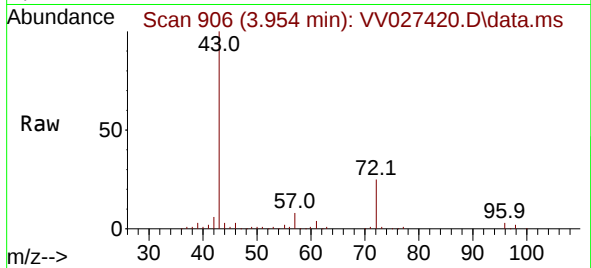




#22
2-Butanone
Concen: 123.115 ug/L
RT: 3.954 min Scan# 906
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

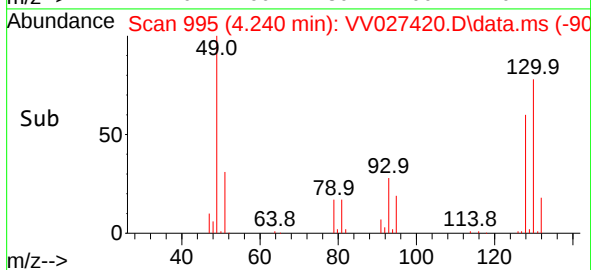
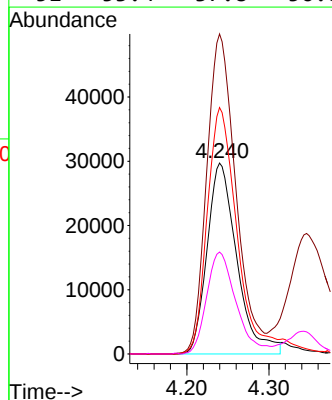
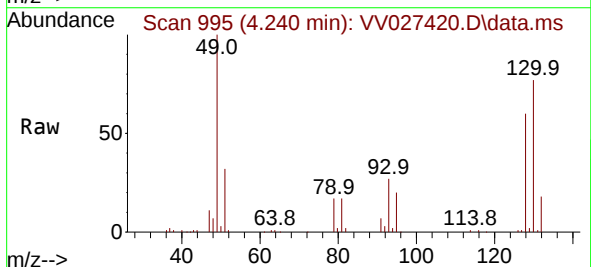
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

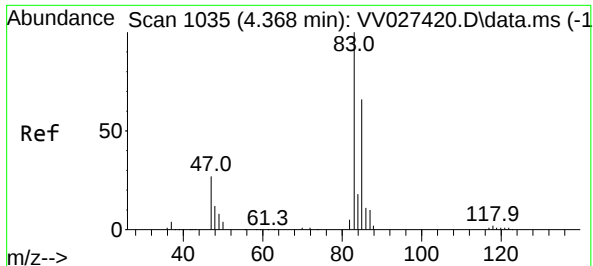
Tgt Ion: 43 Resp: 251749
Ion Ratio Lower Upper
43 100
72 24.5 11.9 35.7



#23
Bromochloromethane
Concen: 52.823 ug/L
RT: 4.240 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 128 Resp: 74890
Ion Ratio Lower Upper
128 100
49 167.7 98.7 183.3
130 129.2 89.5 166.1
51 53.4 37.8 56.8

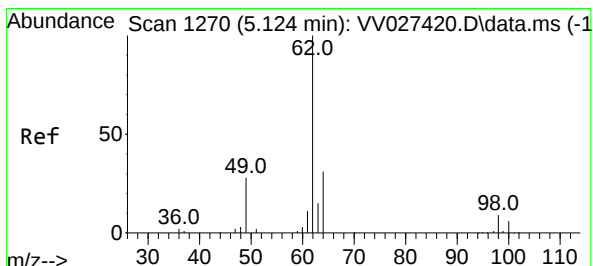
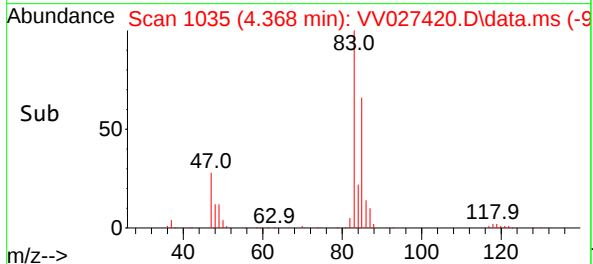
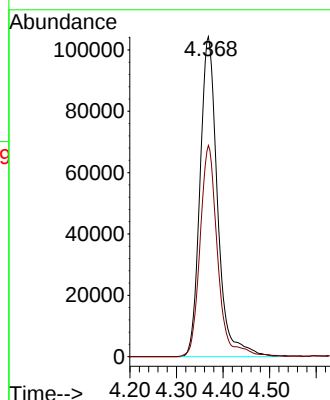
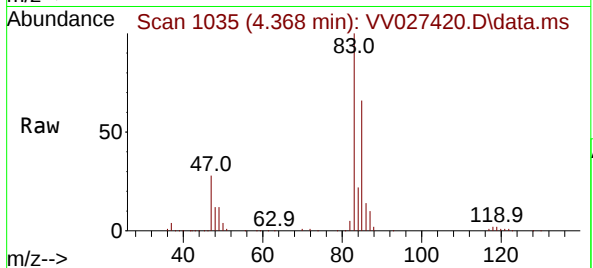




#25
Chloroform
Concen: 55.025 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

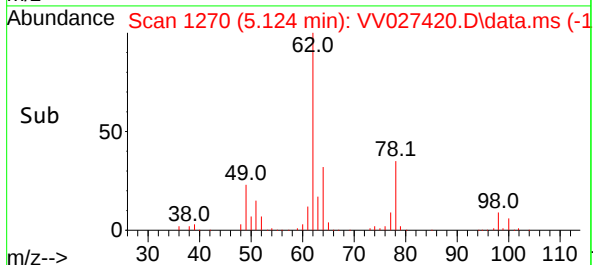
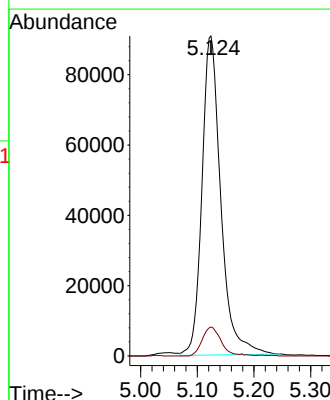
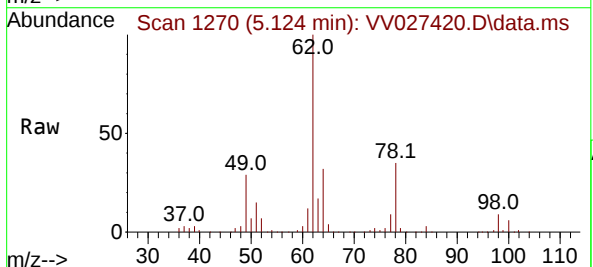
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

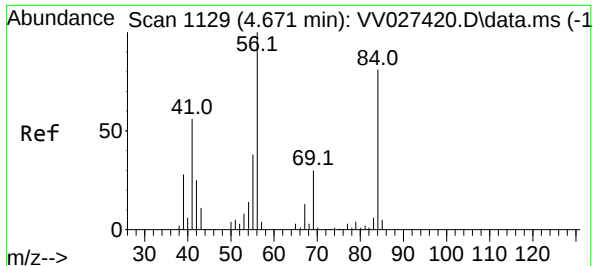
Tgt Ion: 83 Resp: 272829
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 54.411 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 62 Resp: 210113
Ion Ratio Lower Upper
62 100
98 9.1 9.0 13.6





#29

Cyclohexane

Concen: 53.721 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

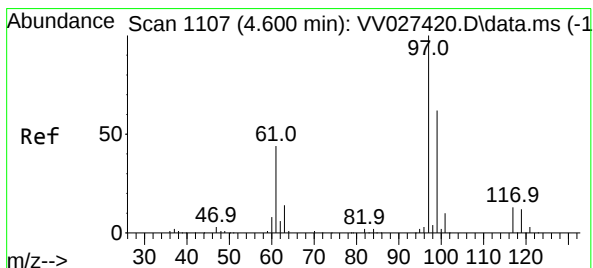
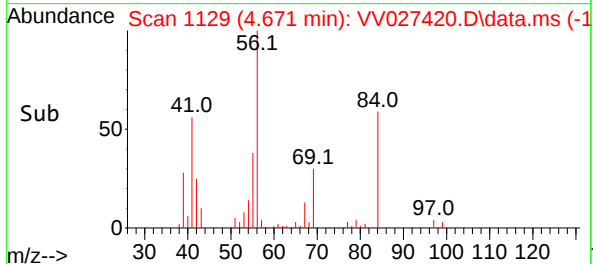
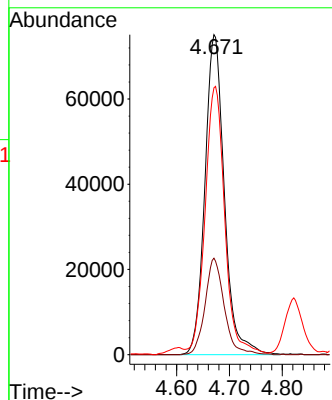
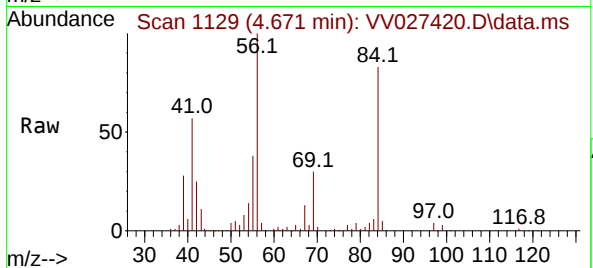
Tgt Ion: 56 Resp: 192386

Ion Ratio Lower Upper

56 100

69 29.2 25.9 38.9

84 83.2 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 56.839 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

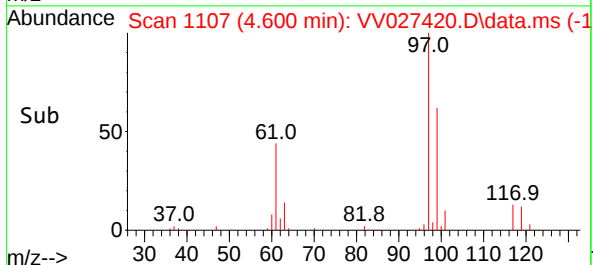
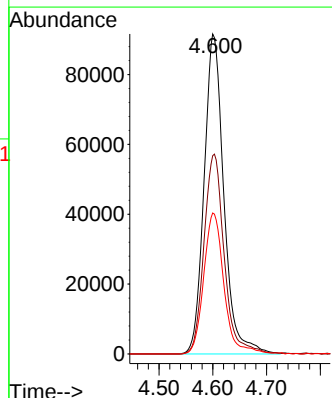
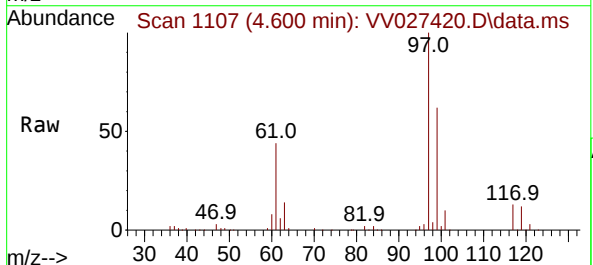
Tgt Ion: 97 Resp: 234267

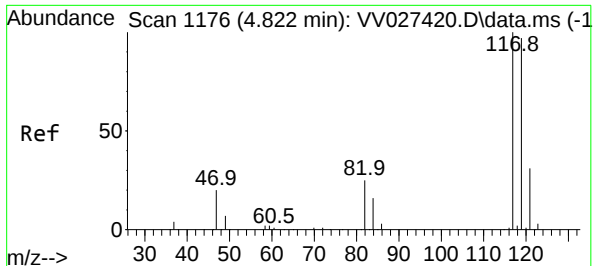
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 45.0 32.1 48.1

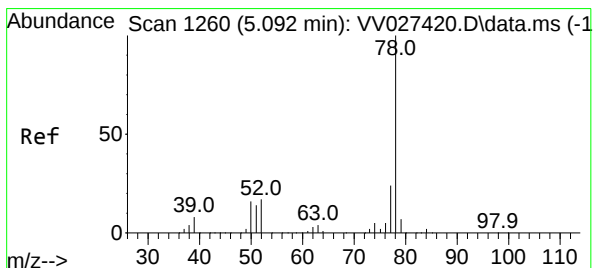
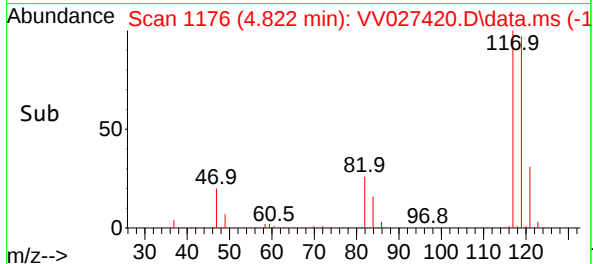
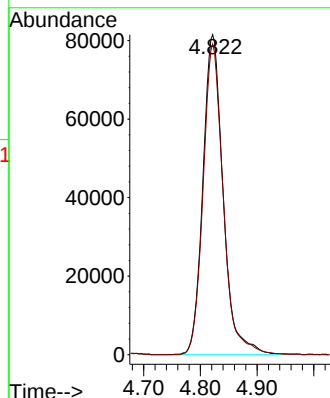
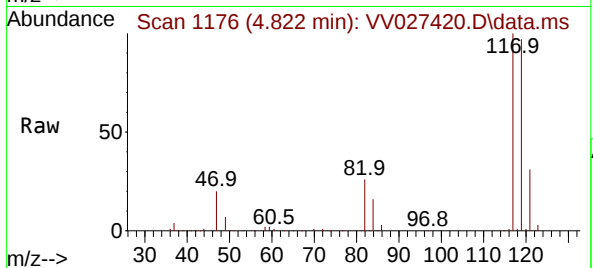




#31
Carbon tetrachloride
Concen: 56.568 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

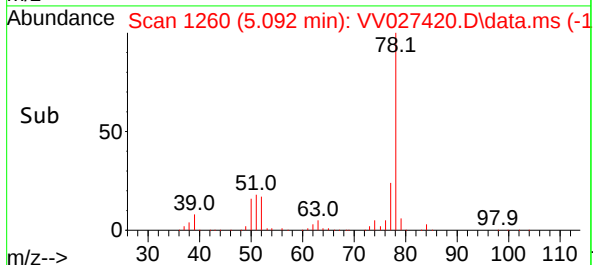
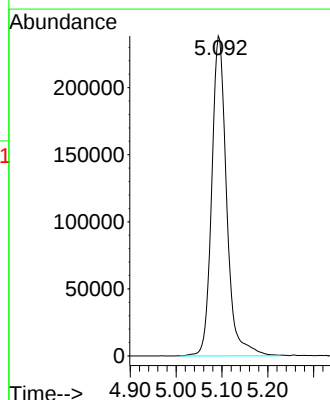
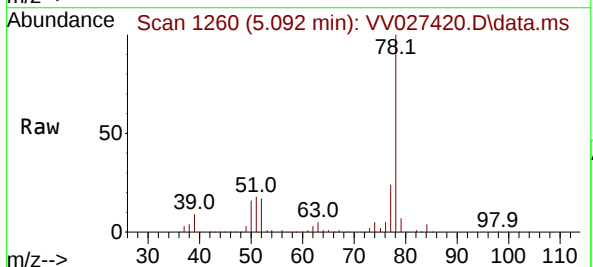
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

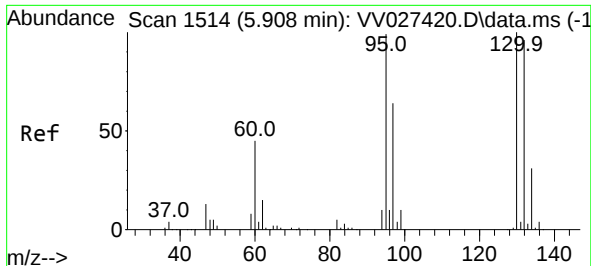
Tgt Ion:117 Resp: 202418
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6



#33
Benzene
Concen: 54.043 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 78 Resp: 540037

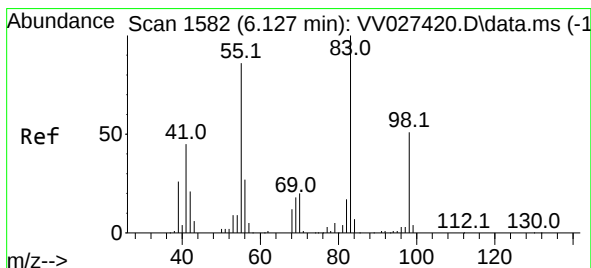
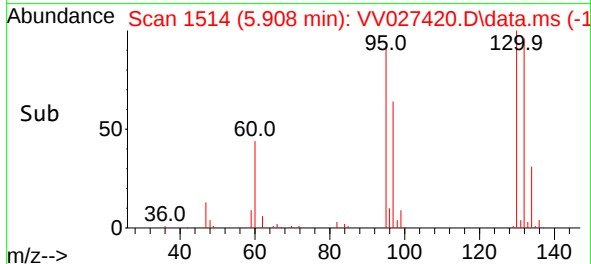
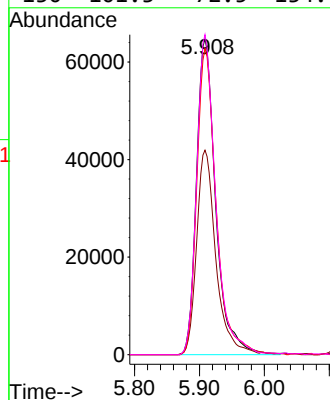
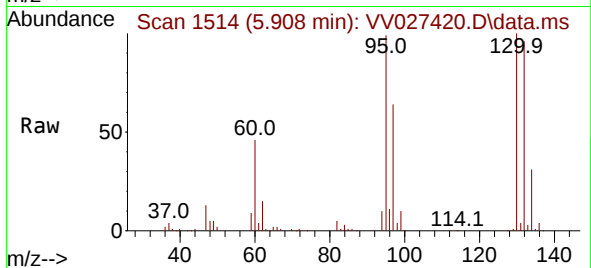




#34
Trichloroethene
Concen: 52.198 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

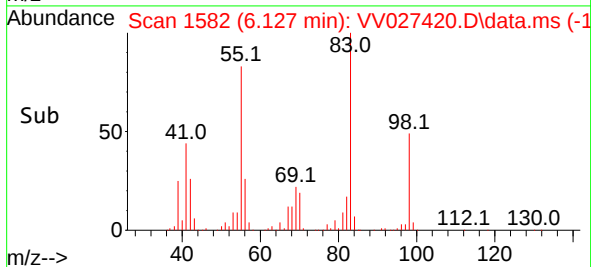
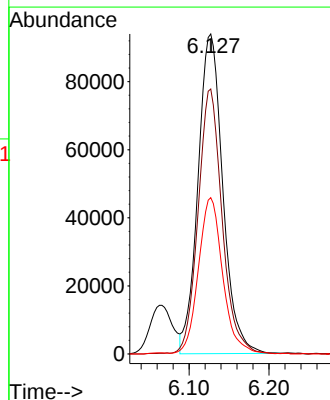
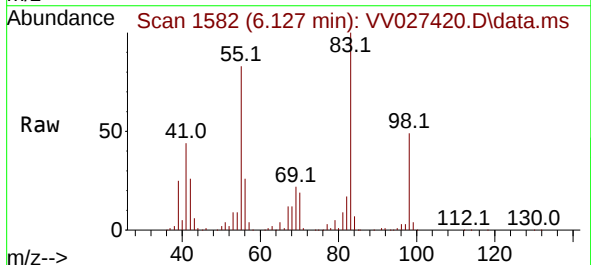
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

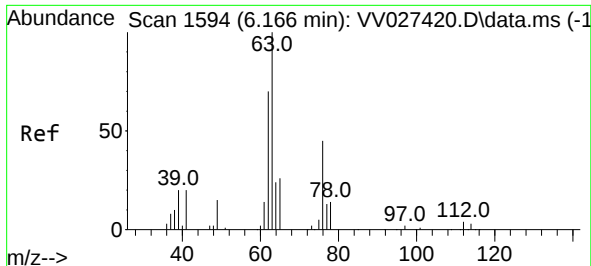
Tgt Ion: 95 Resp: 133556
Ion Ratio Lower Upper
95 100
97 64.8 45.9 85.3
132 96.9 69.8 129.6
130 101.3 72.5 134.7



#35
Methylcyclohexane
Concen: 53.879 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 83 Resp: 202712
Ion Ratio Lower Upper
83 100
55 80.4 55.5 83.3
98 48.1 39.0 58.4





#37

1,2-Dichloropropane

Concen: 54.470 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

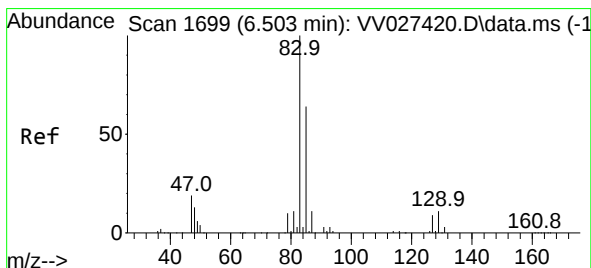
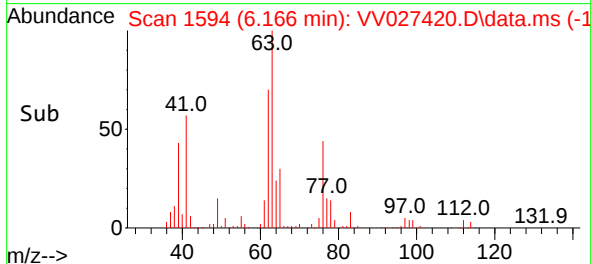
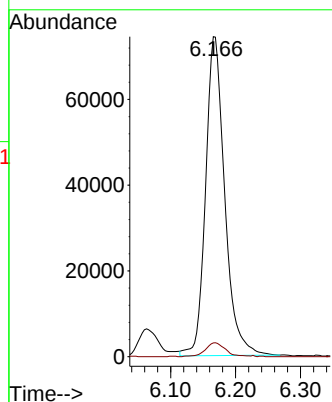
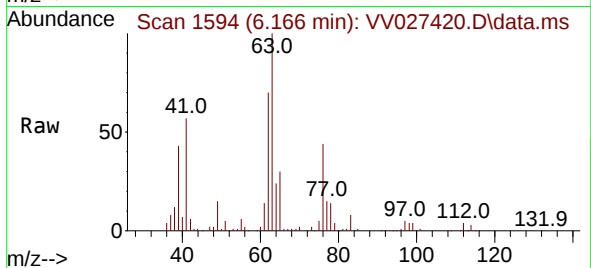
VSTD050338

Tgt Ion: 63 Resp: 152487

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 54.572 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

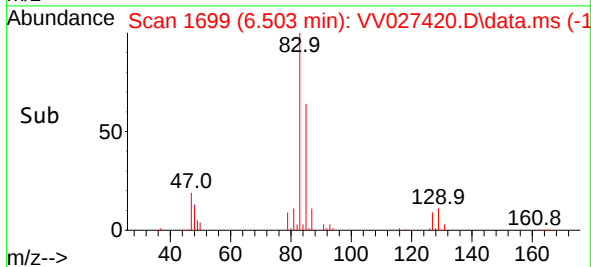
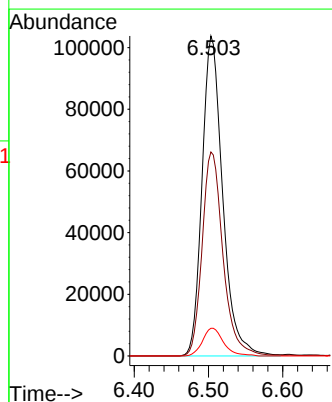
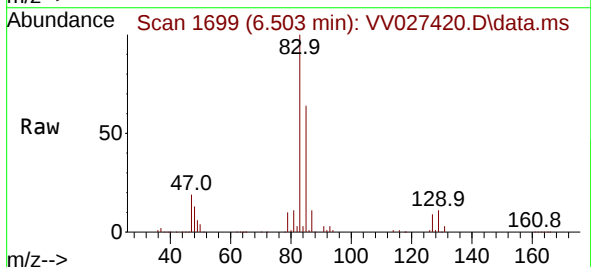
Tgt Ion: 83 Resp: 200173

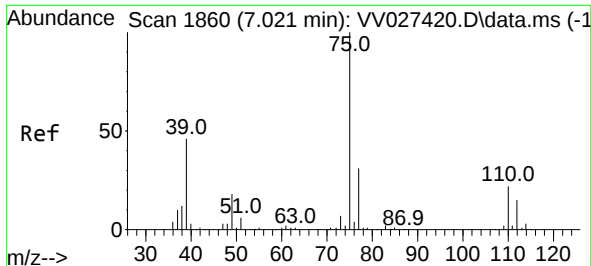
Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 56.665 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

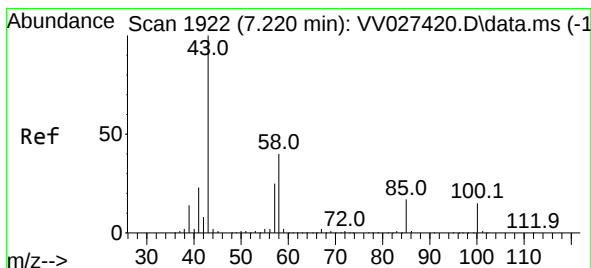
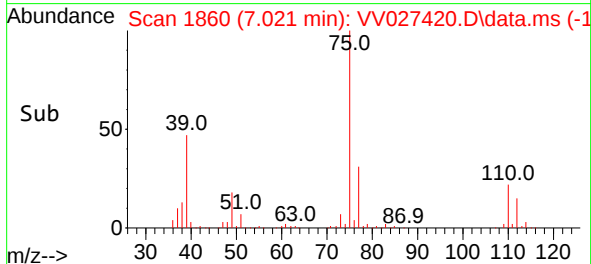
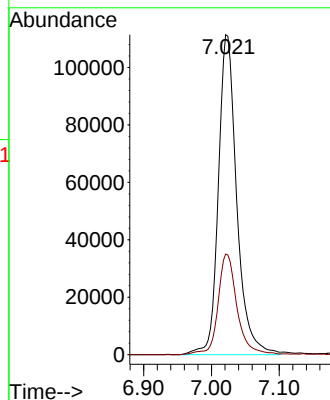
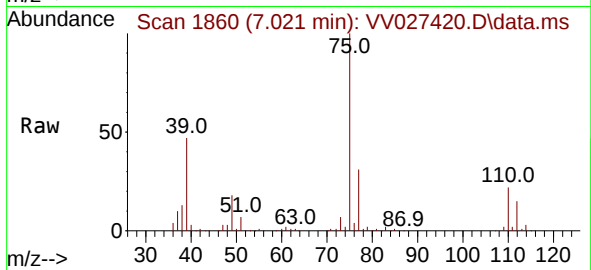
VSTD050338

Tgt Ion: 75 Resp: 210127

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 113.034 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

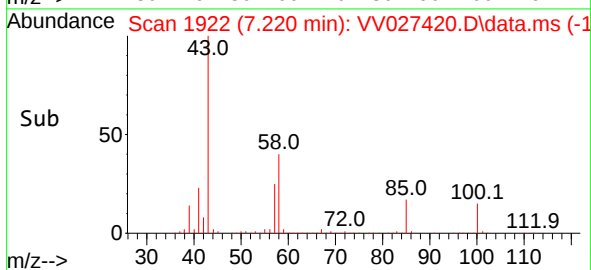
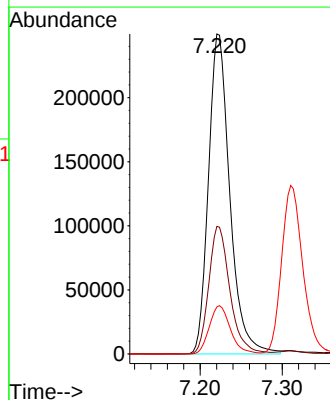
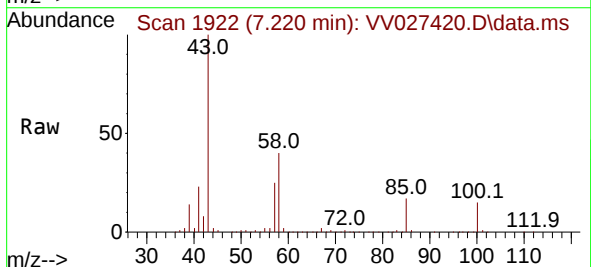
Tgt Ion: 43 Resp: 451424

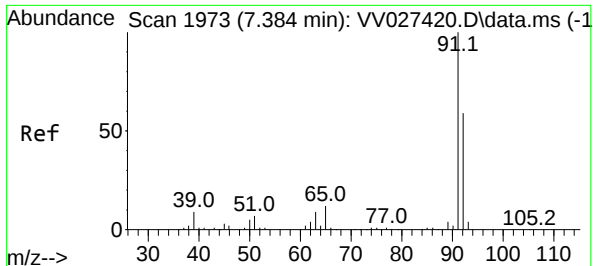
Ion Ratio Lower Upper

43 100

58 39.5 35.3 52.9

100 14.9 15.7 23.5





#42

Toluene

Concen: 55.752 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

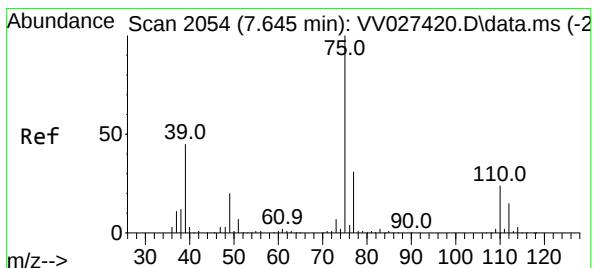
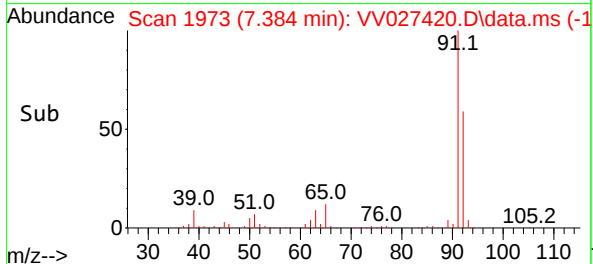
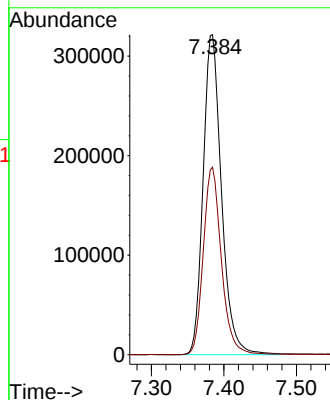
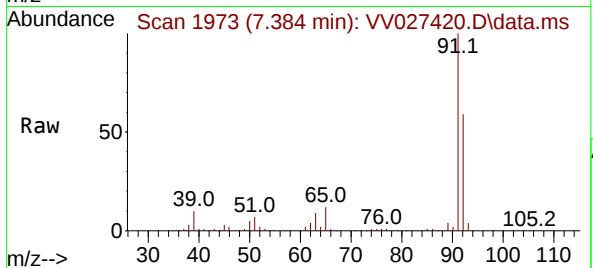
VSTD050338

Tgt Ion: 91 Resp: 566439

Ion Ratio Lower Upper

91 100

92 58.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 58.663 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VV027420.D

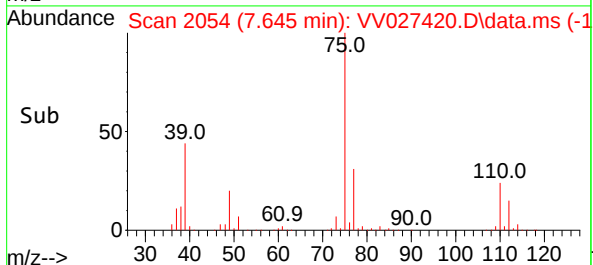
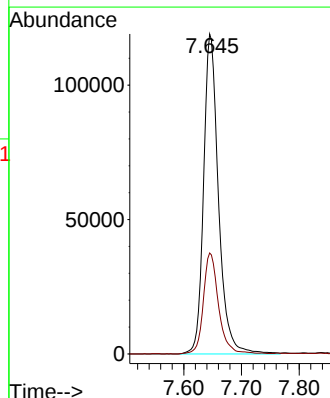
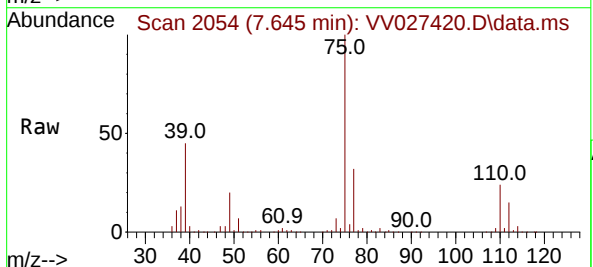
Acq: 17 Aug 2022 15:43

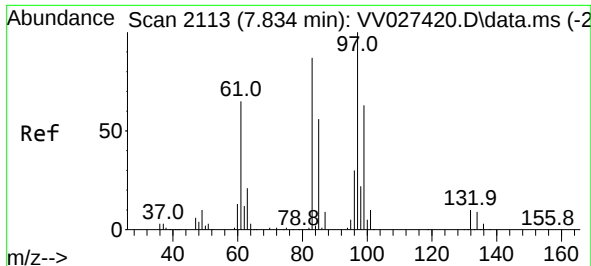
Tgt Ion: 75 Resp: 213775

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 54.341 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

Tgt Ion: 97 Resp: 146620

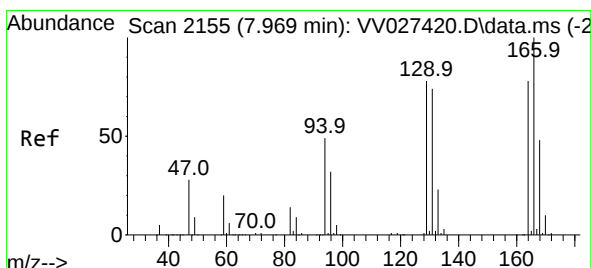
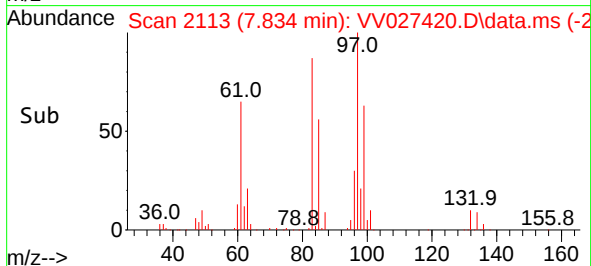
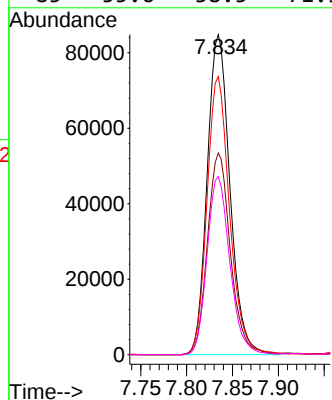
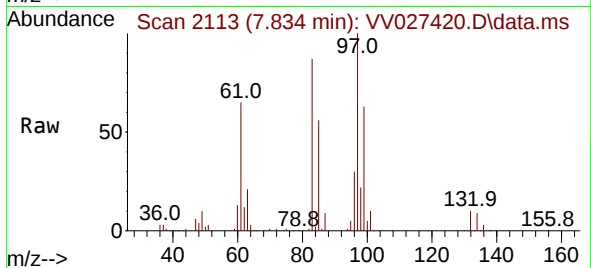
Ion Ratio Lower Upper

97 100

99 63.1 43.2 80.2

83 86.9 58.0 107.6

85 55.6 38.5 71.5



#46

Tetrachloroethene

Concen: 55.225 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Tgt Ion:164 Resp: 103420

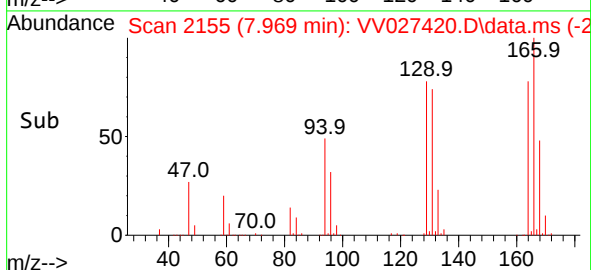
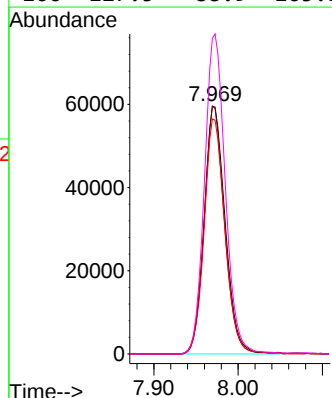
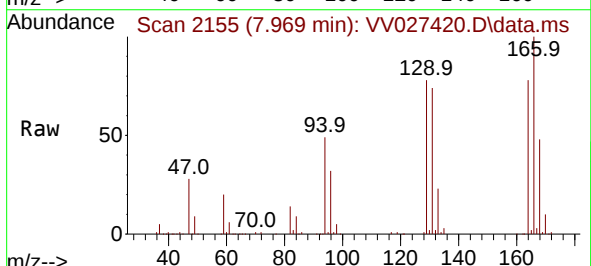
Ion Ratio Lower Upper

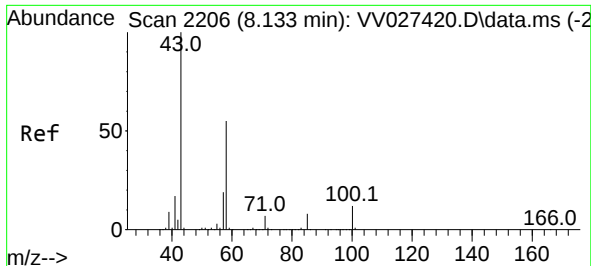
164 100

129 100.1 67.5 125.4

131 94.9 64.3 119.3

166 127.5 88.9 165.1

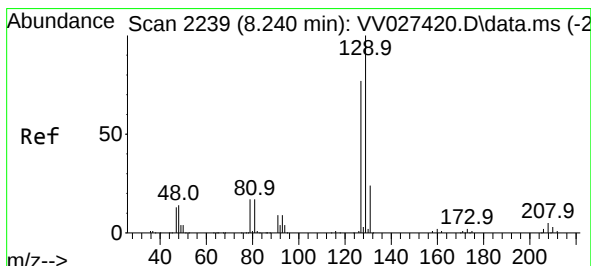
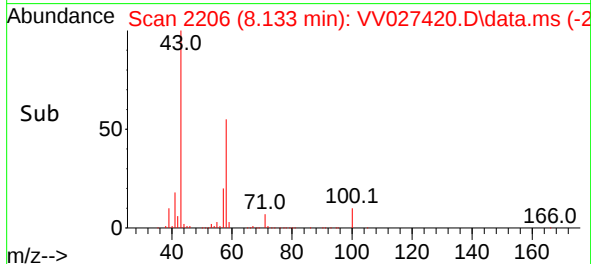
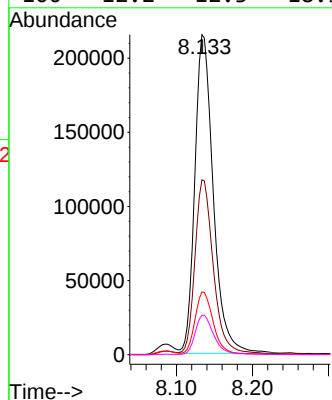
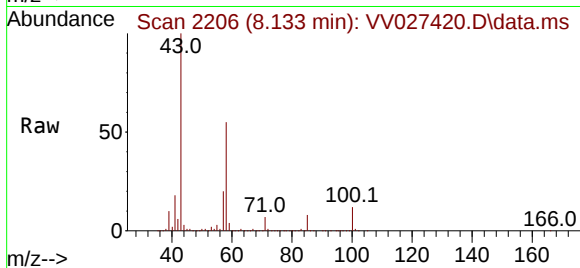




#48
2-Hexanone
Concen: 114.263 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

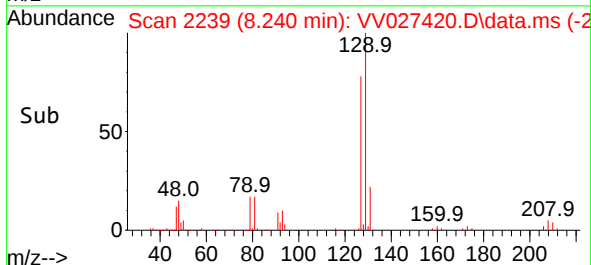
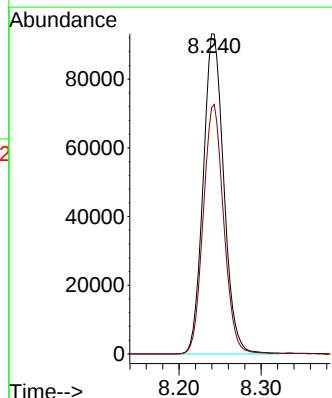
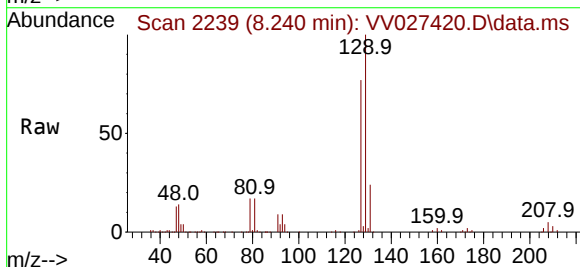
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

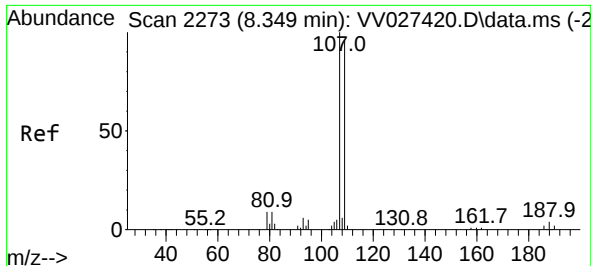
Tgt Ion: 43 Resp: 363440
Ion Ratio Lower Upper
43 100
58 54.2 50.8 76.2
57 19.7 17.1 25.7
100 12.2 12.3 18.5#



#49
Dibromochloromethane
Concen: 56.960 ug/L
RT: 8.240 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 129 Resp: 162458
Ion Ratio Lower Upper
129 100
127 77.0 53.3 98.9

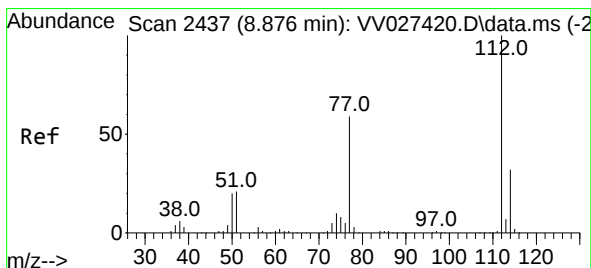
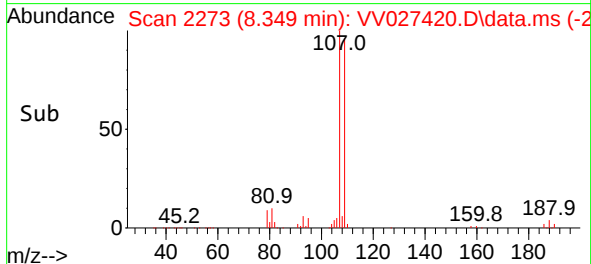
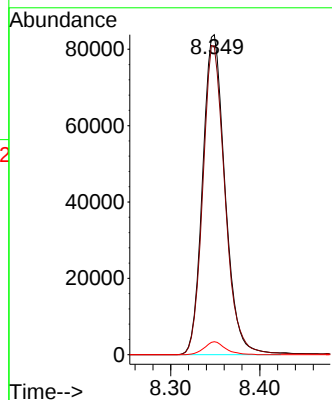
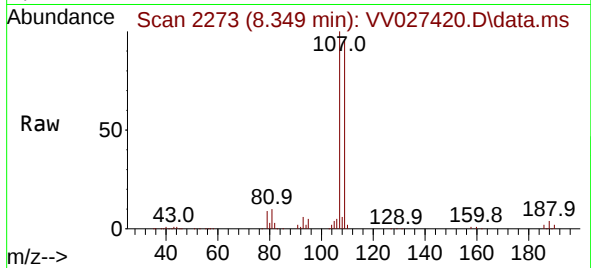




#50
 1,2-Dibromoethane
 Concen: 52.814 ug/L
 RT: 8.349 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

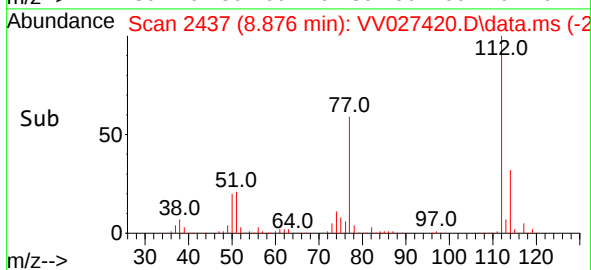
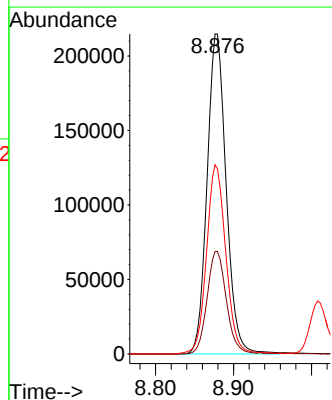
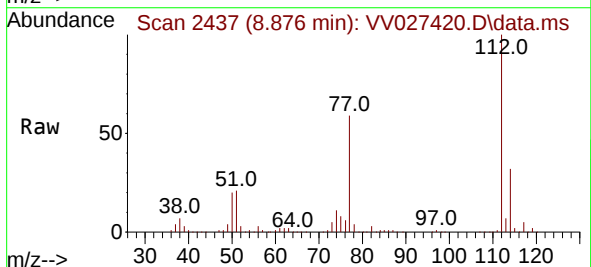
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

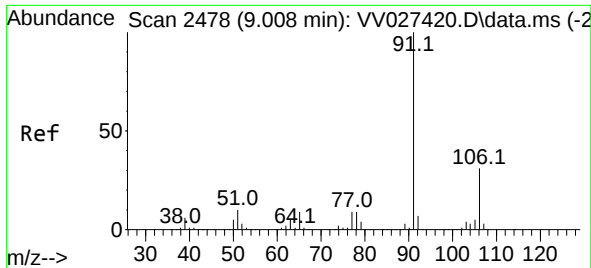
Tgt Ion:107 Resp: 146628
 Ion Ratio Lower Upper
 107 100
 109 96.4 65.7 121.9
 188 4.1 2.7 4.1



#51
 Chlorobenzene
 Concen: 53.633 ug/L
 RT: 8.876 min Scan# 2437
 Delta R.T. -0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion:112 Resp: 365496
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.8 42.4
 77 59.1 44.2 66.2

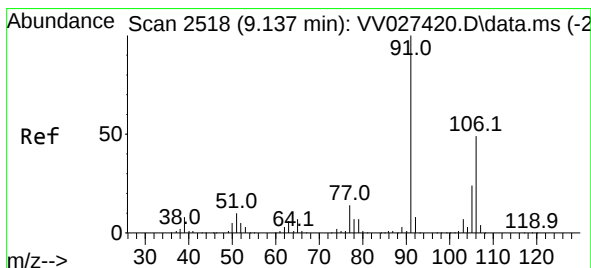
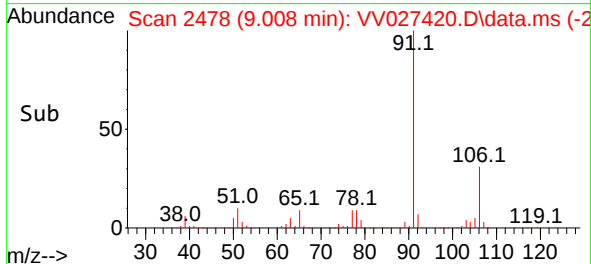
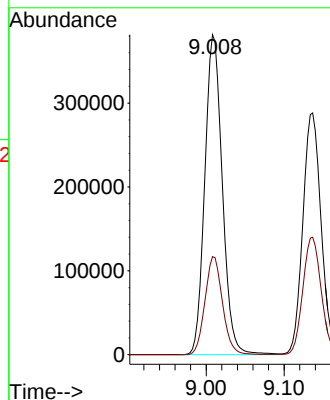
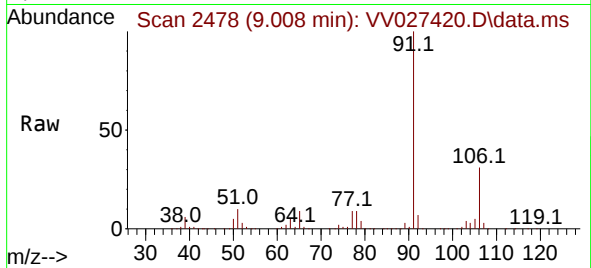




#52
Ethylbenzene
Concen: 56.959 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

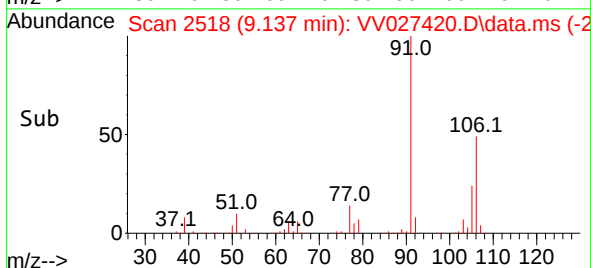
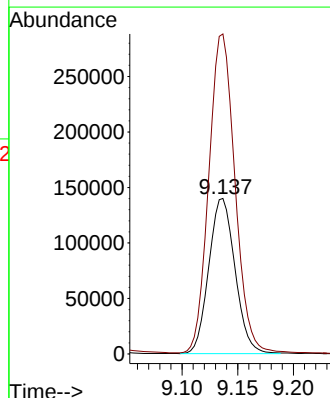
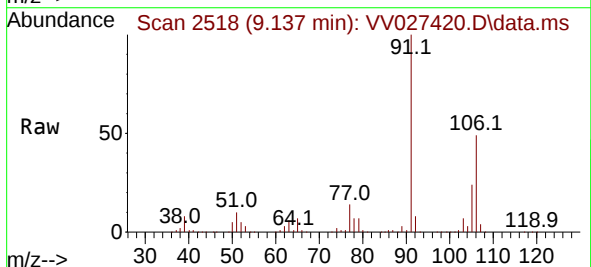
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

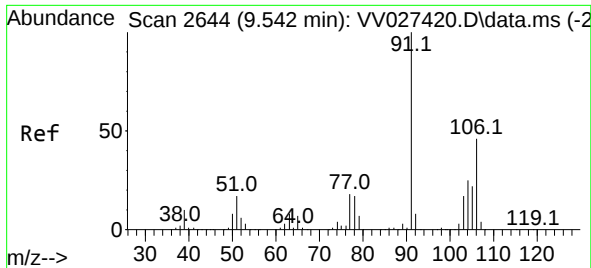
Tgt Ion: 91 Resp: 597137
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.6



#53
m,p-Xylene
Concen: 57.792 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 106 Resp: 228980
Ion Ratio Lower Upper
106 100
91 205.8 137.5 255.3

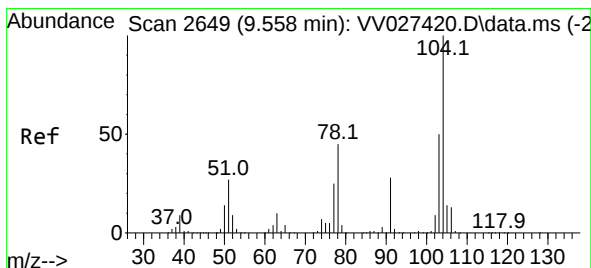
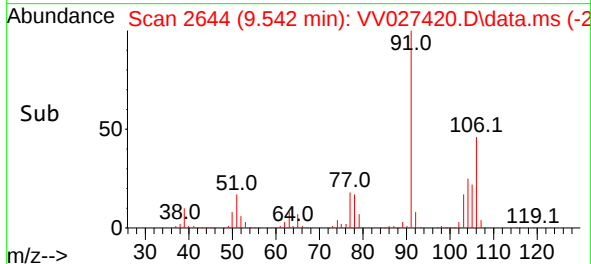
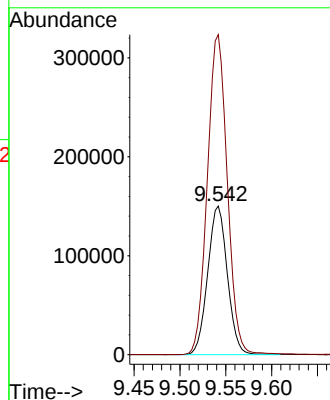
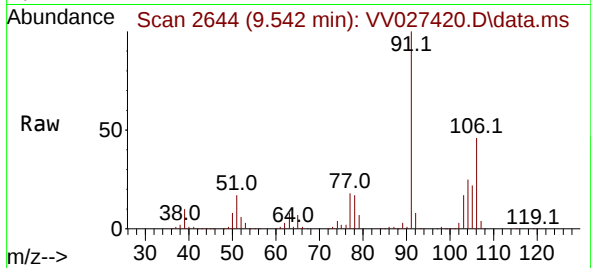




#54
o-Xylene
Concen: 58.112 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

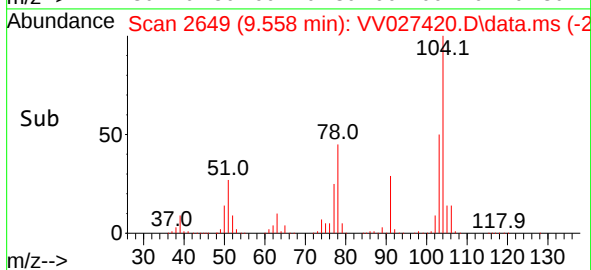
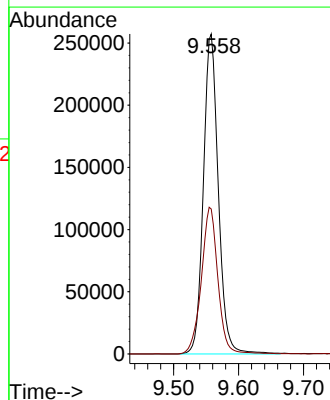
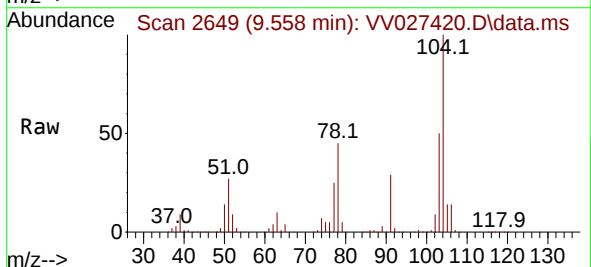
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

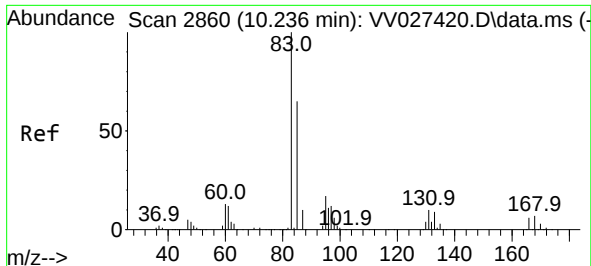
Tgt Ion:106 Resp: 224314
Ion Ratio Lower Upper
106 100
91 215.3 146.6 272.2



#55
Styrene
Concen: 60.658 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion:104 Resp: 412463
Ion Ratio Lower Upper
104 100
78 45.3 29.6 55.0

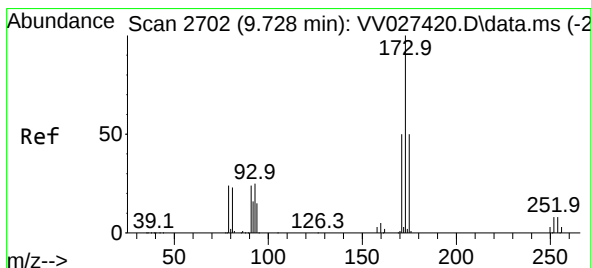
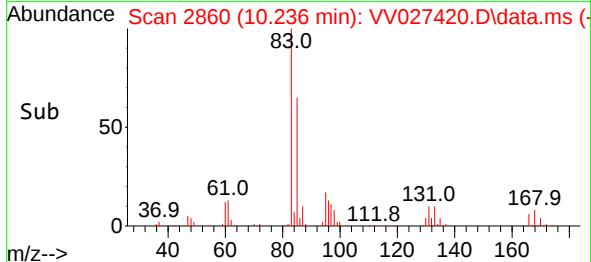
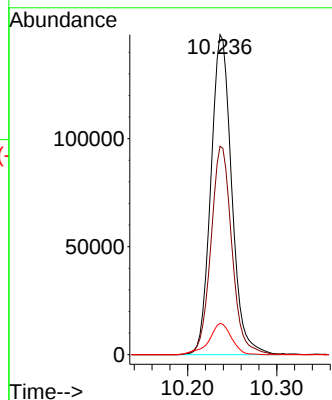
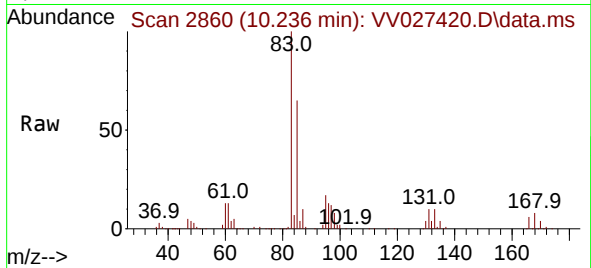




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.151 ug/L
 RT: 10.236 min Scan# 2860
 Delta R.T. -0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

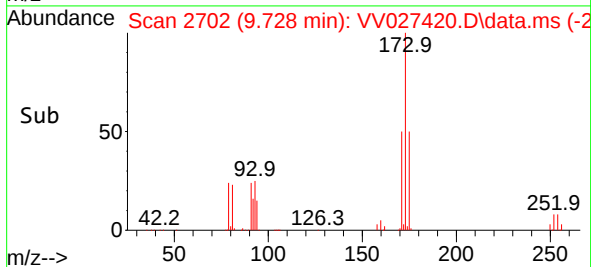
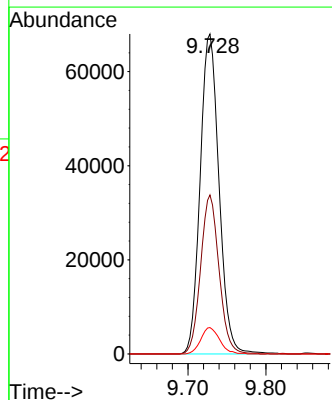
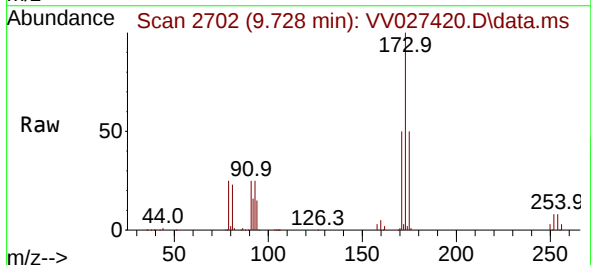
Instrument : MSVOA_V
 ClientSampleId : VSTD050338

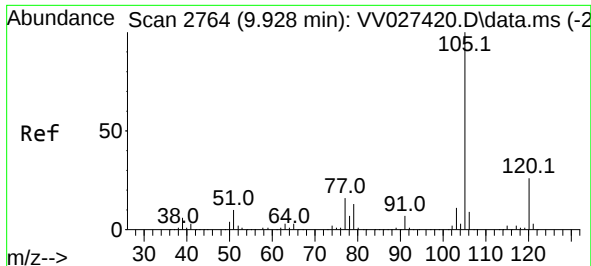
Tgt Ion: 83 Resp: 240250
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.2 84.0
 131 9.8 8.1 12.1



#59
 Bromoform
 Concen: 52.766 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion: 173 Resp: 114164
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.4
 254 8.2 6.9 10.3

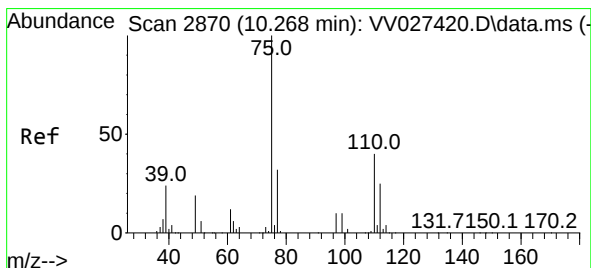
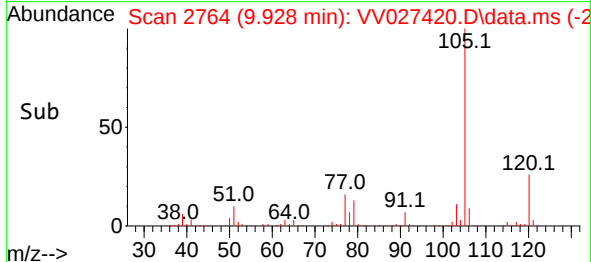
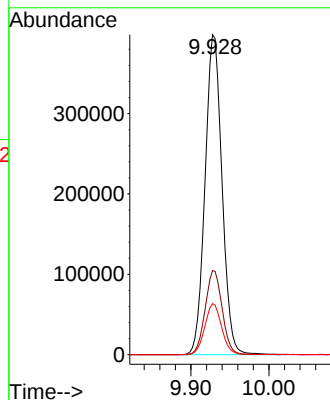
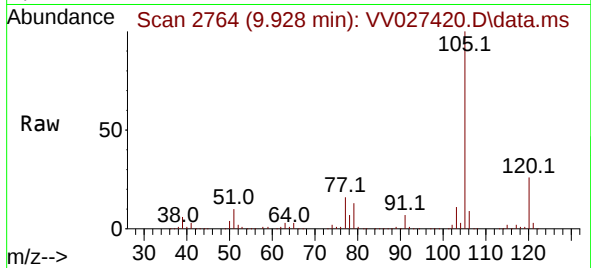




#60
Isopropylbenzene
Concen: 52.462 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. -0.003 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

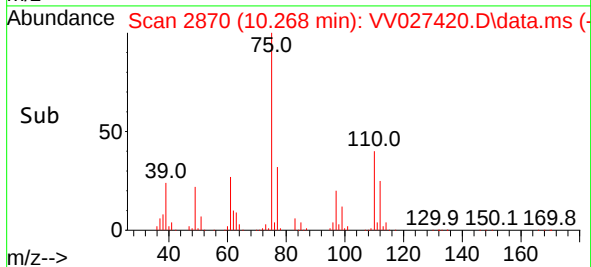
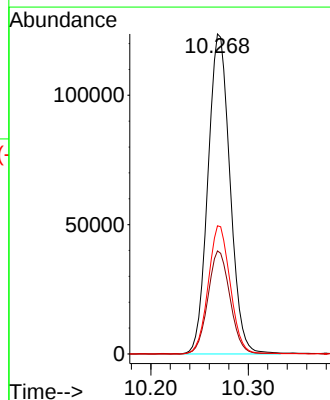
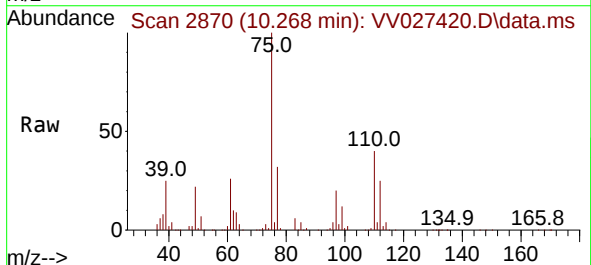
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

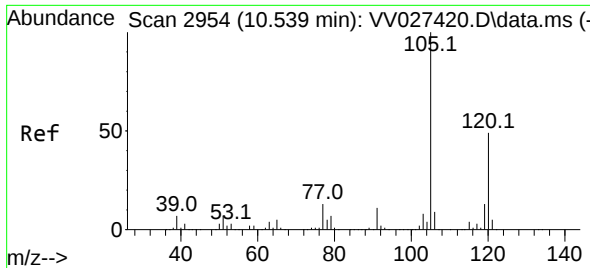
Tgt Ion:105 Resp: 602063
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.8 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 46.526 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion: 75 Resp: 194513
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 40.1 32.7 49.1

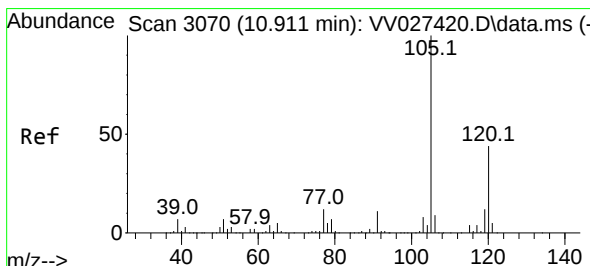
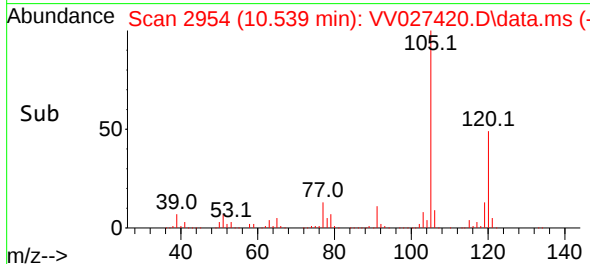
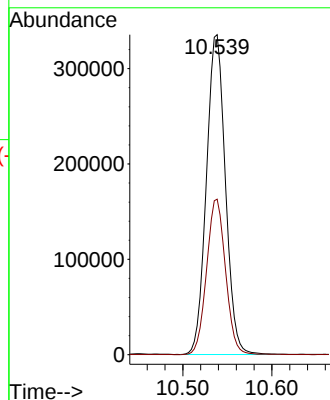
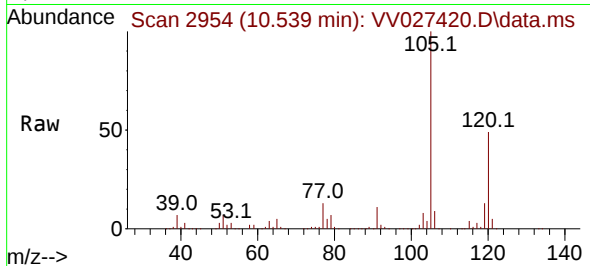




#62
 1,3,5-Trimethylbenzene
 Concen: 52.439 ug/L
 RT: 10.539 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

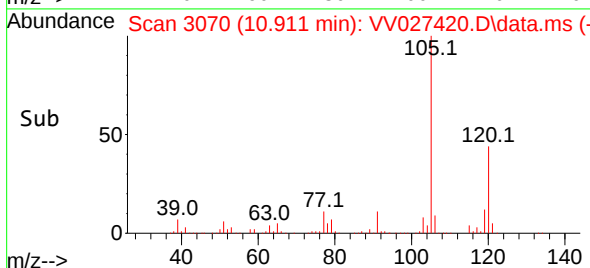
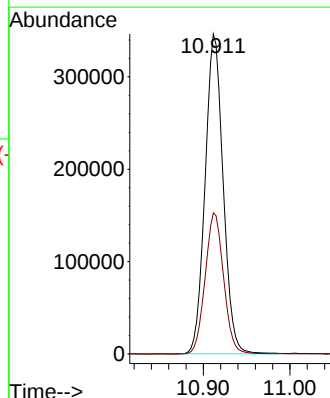
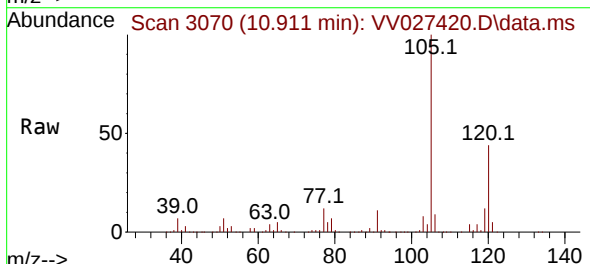
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

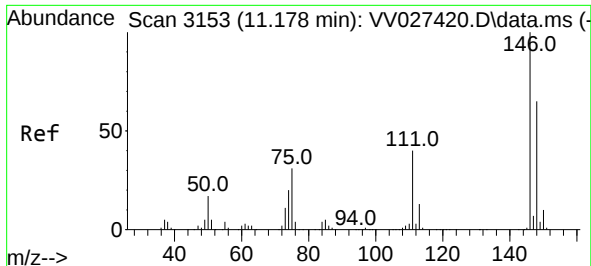
Tgt Ion:105 Resp: 496984
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 53.979 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion:105 Resp: 501154
 Ion Ratio Lower Upper
 105 100
 120 45.2 37.0 55.6

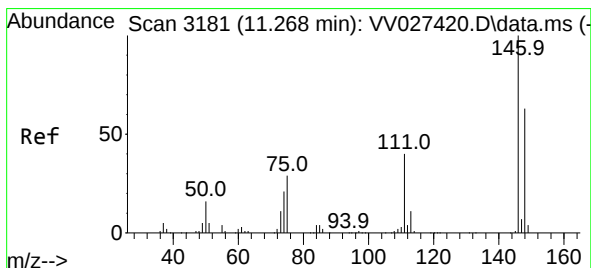
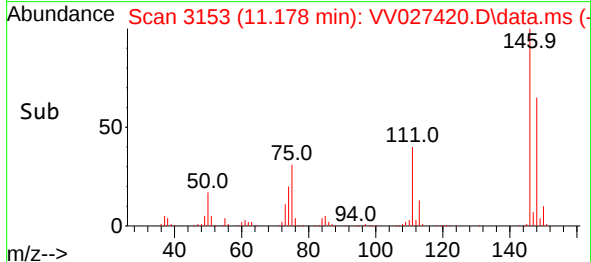
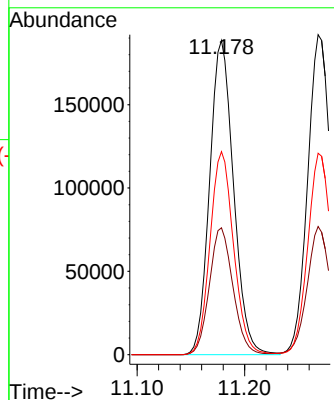
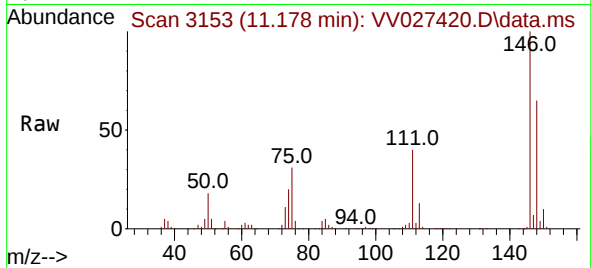




#64
1,3-Dichlorobenzene
Concen: 52.339 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

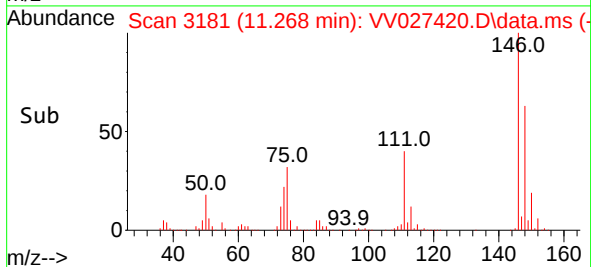
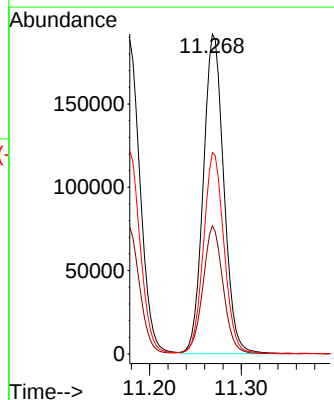
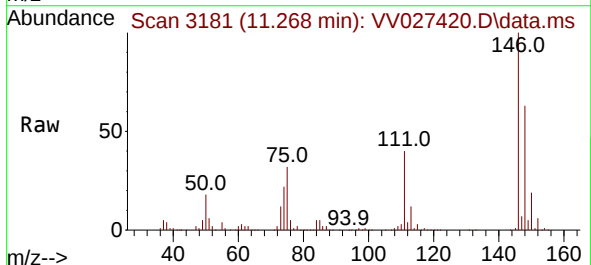
Instrument :
MSVOA_V
ClientSampleId :
VSTD050338

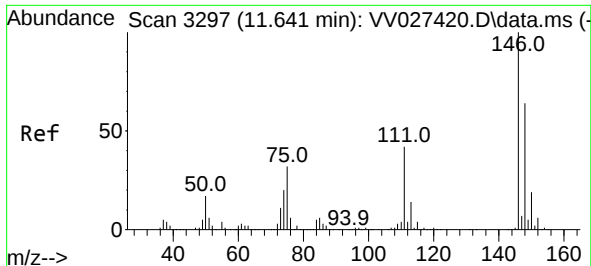
Tgt Ion:146 Resp: 291114
Ion Ratio Lower Upper
146 100
111 40.4 28.4 52.8
148 64.6 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 50.902 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV027420.D
Acq: 17 Aug 2022 15:43

Tgt Ion:146 Resp: 297960
Ion Ratio Lower Upper
146 100
111 40.0 27.4 51.0
148 63.0 44.6 82.8

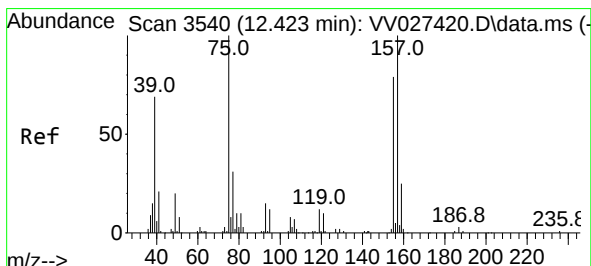
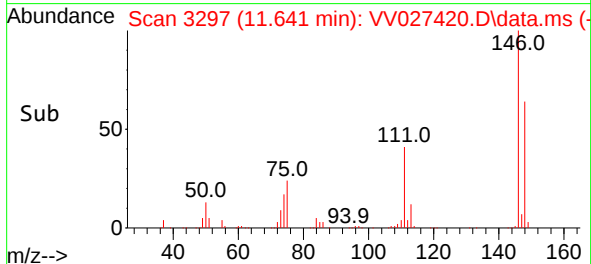
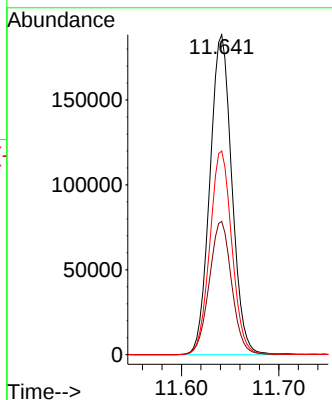
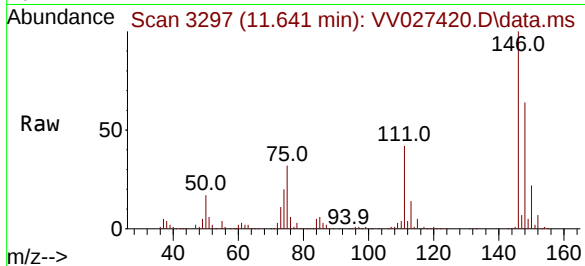




#67
 1,2-Dichlorobenzene
 Concen: 50.661 ug/L
 RT: 11.641 min Scan# 3297
 Delta R.T. 0.000 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

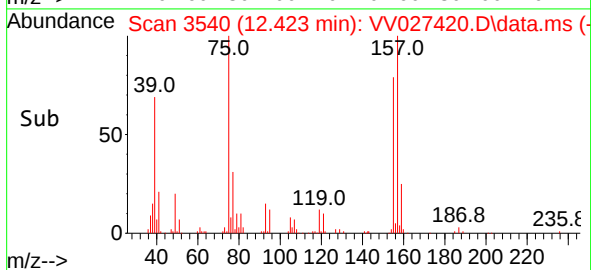
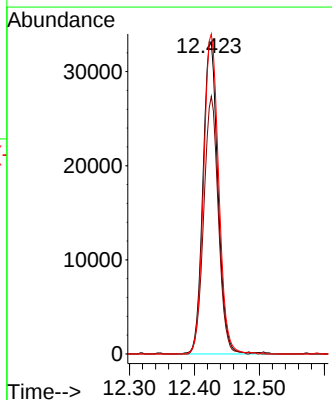
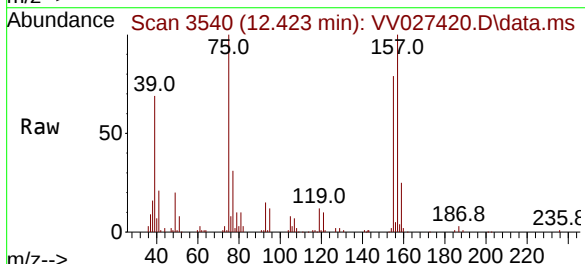
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

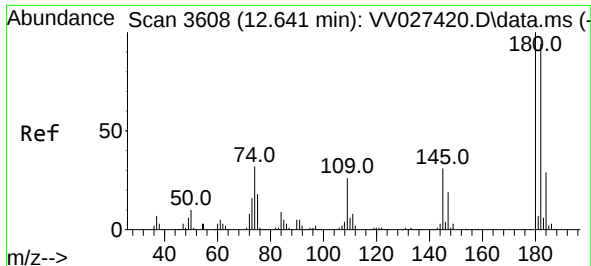
Tgt Ion:146 Resp: 295241
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.0 51.0
 148 63.7 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.672 ug/L
 RT: 12.423 min Scan# 3540
 Delta R.T. -0.003 min
 Lab File: VV027420.D
 Acq: 17 Aug 2022 15:43

Tgt Ion: 75 Resp: 53569
 Ion Ratio Lower Upper
 75 100
 155 78.9 69.1 103.7
 157 100.3 87.8 131.8





#69

1,3,5-Trichlorobenzene

Concen: 57.174 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

Tgt Ion:180 Resp: 213592

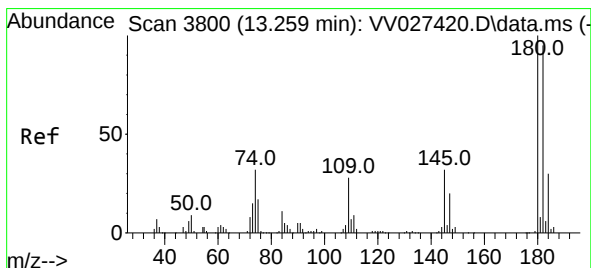
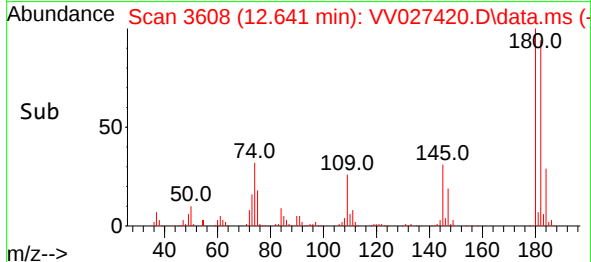
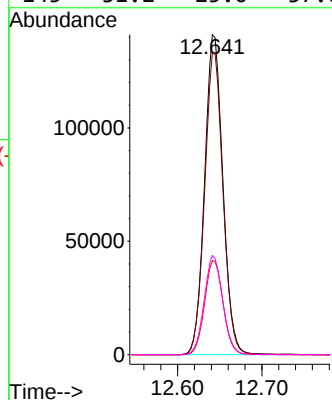
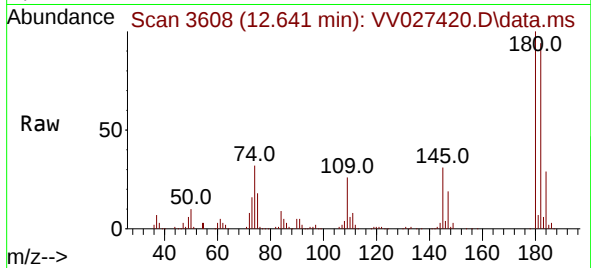
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

184 29.9 24.8 37.2

145 31.2 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 59.289 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

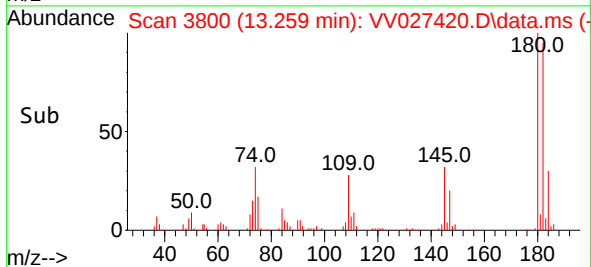
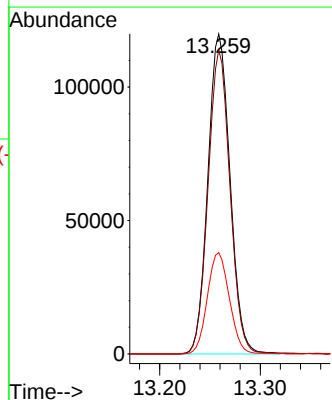
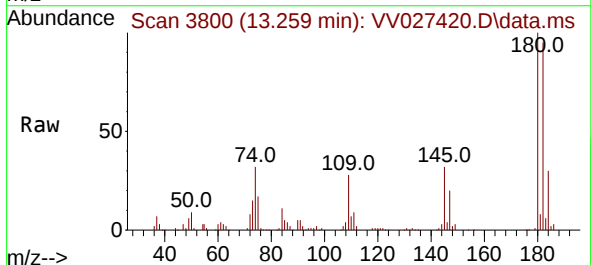
Tgt Ion:180 Resp: 183959

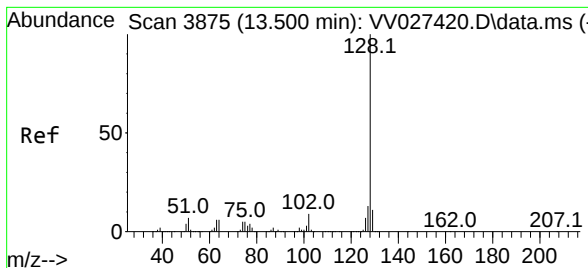
Ion Ratio Lower Upper

180 100

182 93.8 75.9 113.9

145 31.5 24.7 37.1





#71

Naphthalene

Concen: 57.691 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050338

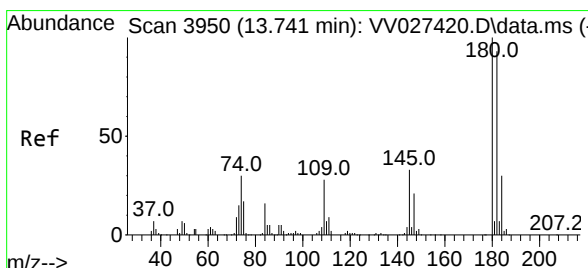
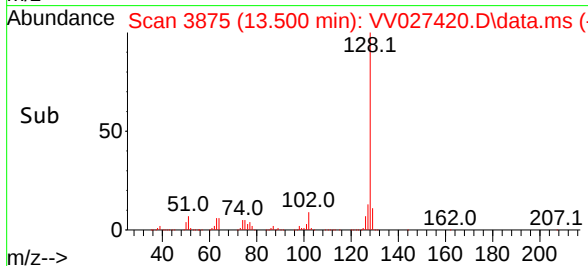
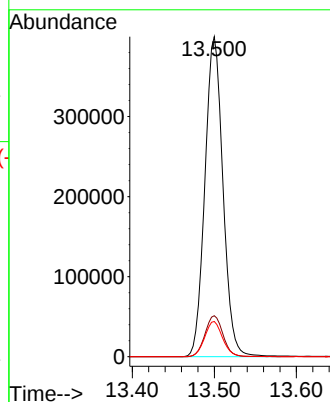
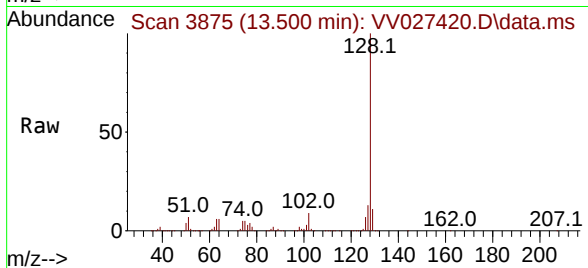
Tgt Ion:128 Resp: 612938

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 60.175 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027420.D

Acq: 17 Aug 2022 15:43

Tgt Ion:180 Resp: 206949

Ion Ratio Lower Upper

180 100

182 93.2 76.3 114.5

145 33.7 27.4 41.0

