

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031022\
 Data File : VW024928.D
 Acq On : 10 Mar 2022 20:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

Quant Time: Mar 11 02:51:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 11 02:45:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	283700	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	279526	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	143079	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	110118	38.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.568	69	88393	39.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.120%
11) 1,1-Dichloroethene-d2	2.111	63	195426	40.363	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.720%
21) 2-Butanone-d5	3.895	46	144969	88.305	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.310%
24) Chloroform-d	4.349	84	211880	42.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.160%
26) 1,2-Dichloroethane-d4	5.030	65	122181	41.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.240%
32) Benzene-d6	5.050	84	428683	41.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	6.069	67	132494	41.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.100%
41) Toluene-d8	7.313	98	384551	41.896	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.619	79	59884	42.694	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.380%
47) 2-Hexanone-d5	8.088	63	104489	85.278	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.280%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	166564	43.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	136003	41.265	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	133766	49.940	ug/L	99
3) Chloromethane	1.243	50	128883	46.510	ug/L	98
5) Vinyl chloride	1.310	62	138626	48.757	ug/L	100
6) Bromomethane	1.523	94	87212	51.347	ug/L	99
8) Chloroethane	1.587	64	85191	51.127	ug/L	98
9) Trichlorofluoromethane	1.754	101	185931	51.136	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	108721	50.421	ug/L	99
12) 1,1-Dichloroethene	2.121	96	104074	49.560	ug/L	79
13) Acetone	2.188	43	100433	80.116	ug/L	97
14) Carbon disulfide	2.294	76	316198	49.289	ug/L	99
15) Methyl Acetate	2.436	43	115732	53.742	ug/L	97
16) Methylene chloride	2.506	84	127373	51.791	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	118963	52.381	ug/L	97
18) Methyl tert-butyl Ether	2.770	73	369236	53.322	ug/L	99
19) 1,1-Dichloroethane	3.188	63	213323	52.095	ug/L	98
20) cis-1,2-Dichloroethene	3.912	96	131402	53.451	ug/L	96
22) 2-Butanone	3.976	43	162433	113.001	ug/L	99
23) Bromochloromethane	4.246	128	65067	52.923	ug/L	97
25) Chloroform	4.375	83	226321	53.206	ug/L	98

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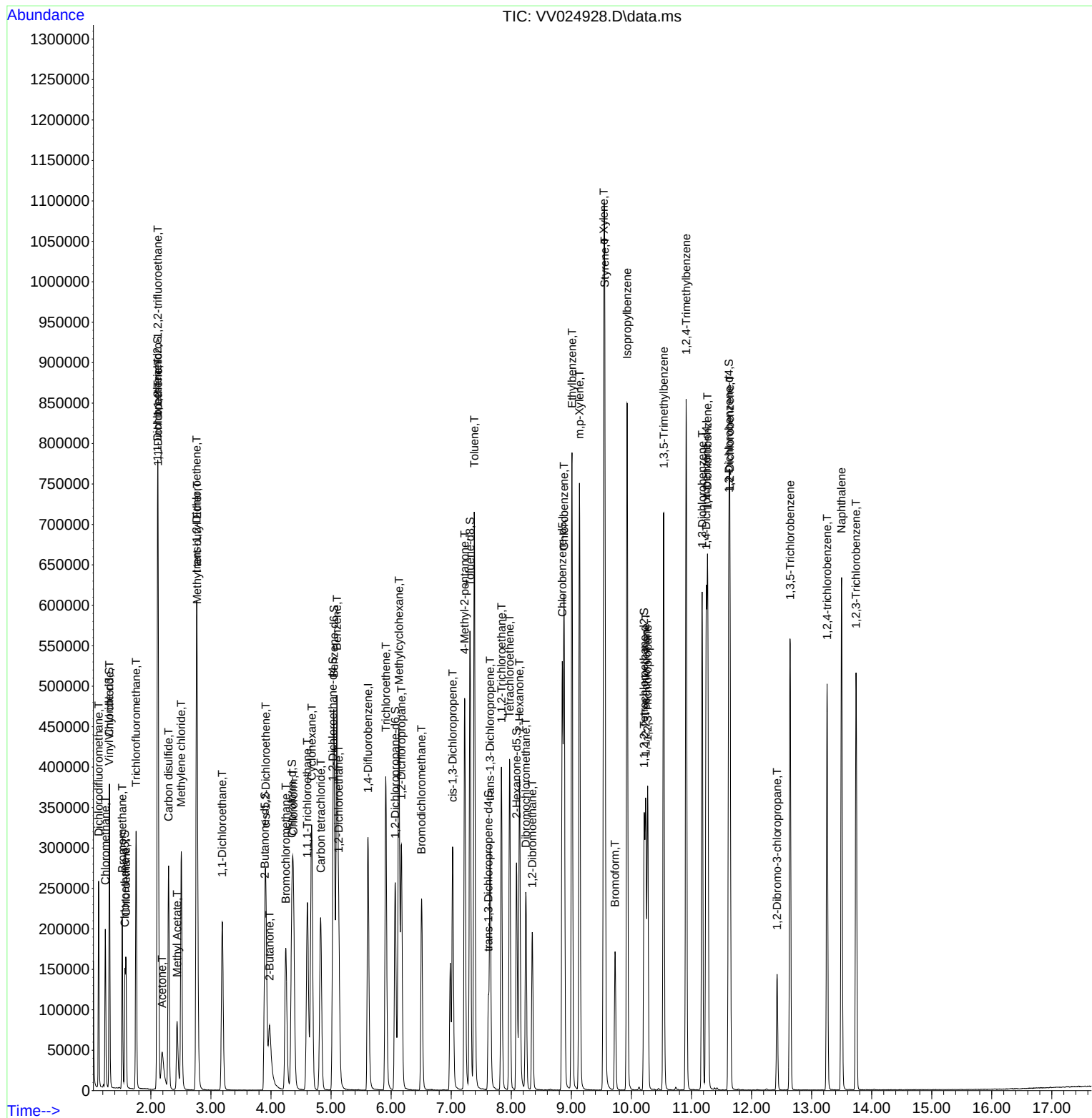
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	156842	52.838	ug/L	99
29) Cyclohexane	4.677	56	186294	50.950	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	193418	52.549	ug/L	99
31) Carbon tetrachloride	4.828	117	163210	52.152	ug/L	99
33) Benzene	5.098	78	500273	53.031	ug/L	100
34) Trichloroethene	5.911	95	136206	52.669	ug/L	99
35) Methylcyclohexane	6.130	83	203728	51.924	ug/L	98
37) 1,2-Dichloropropane	6.172	63	127096	53.690	ug/L	100
38) Bromodichloromethane	6.506	83	165088	53.219	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	194344	54.548	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	309441	109.640	ug/L	99
42) Toluene	7.384	91	528781	53.717	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	176039	53.782	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	125727	54.662	ug/L	98
46) Tetrachloroethene	7.976	164	86677	51.897	ug/L	97
48) 2-Hexanone	8.136	43	231709	104.316	ug/L	97
49) Dibromochloromethane	8.243	129	125186	56.321	ug/L	100
50) 1,2-Dibromoethane	8.349	107	129280	54.502	ug/L	99
51) Chlorobenzene	8.879	112	330661	53.248	ug/L	99
52) Ethylbenzene	9.011	91	560232	53.960	ug/L	99
53) m,p-Xylene	9.136	106	215708	54.070	ug/L	99
54) o-Xylene	9.541	106	211897	54.969	ug/L	100
55) Styrene	9.558	104	369530	56.498	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	172934	53.754	ug/L	98
59) Bromoform	9.728	173	74481	57.144	ug/L	99
60) Isopropylbenzene	9.931	105	559048	53.802	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	152259	53.183	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	382000	54.488	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	471028	54.816	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	240384	52.720	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	244574	52.393	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	239960	52.291	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	35528	54.361	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	163004	52.960	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	143041	53.340	ug/L	98
71) Naphthalene	13.500	128	488739	56.251	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	144631	54.694	ug/L	99

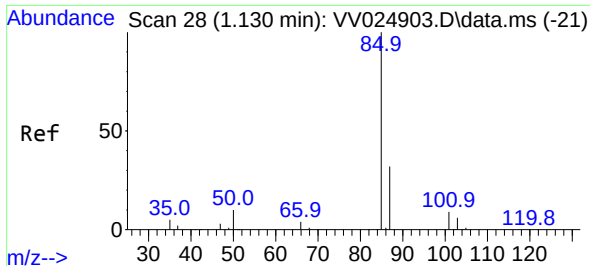
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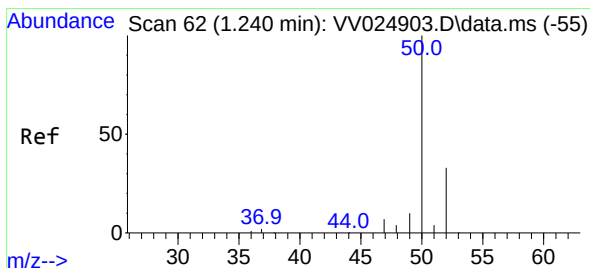
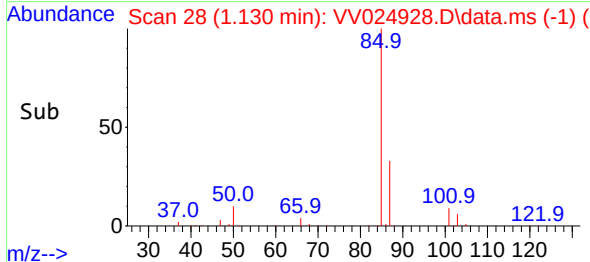
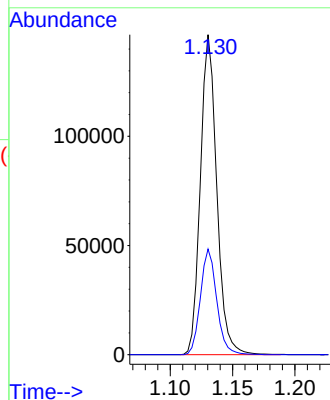
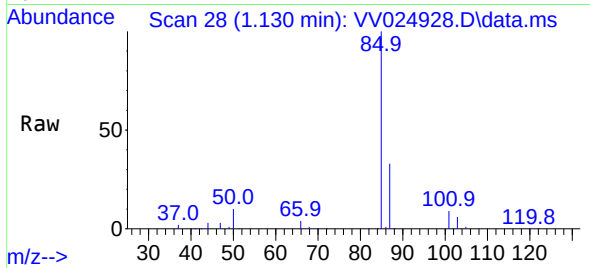




#2
 Dichlorodifluoromethane
 Concen: 49.940 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV024928.D
 Acq: 10 Mar 2022 20:31

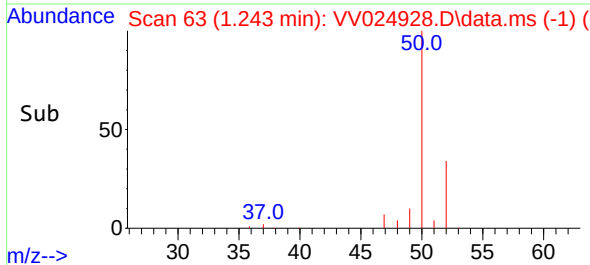
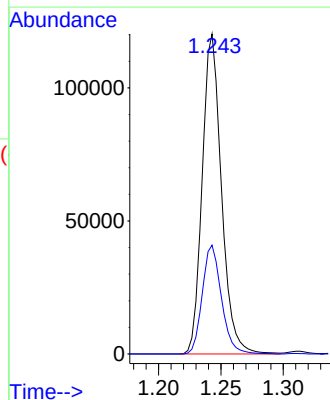
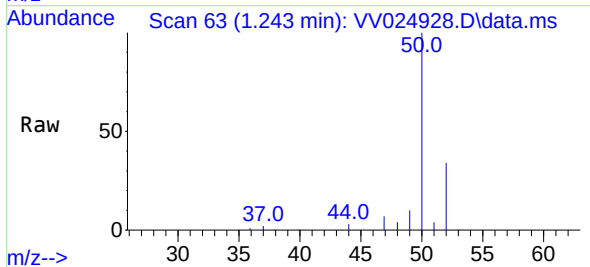
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

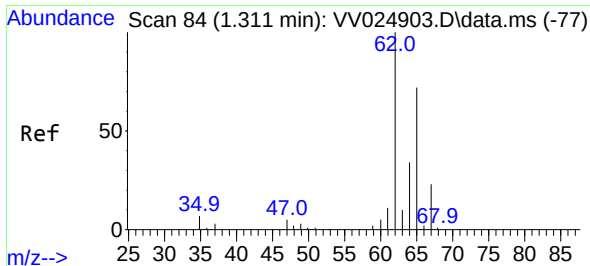
Tgt Ion: 85 Resp: 133766
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.8 38.8



#3
 Chloromethane
 Concen: 46.510 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV024928.D
 Acq: 10 Mar 2022 20:31

Tgt Ion: 50 Resp: 128883
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.8 42.4

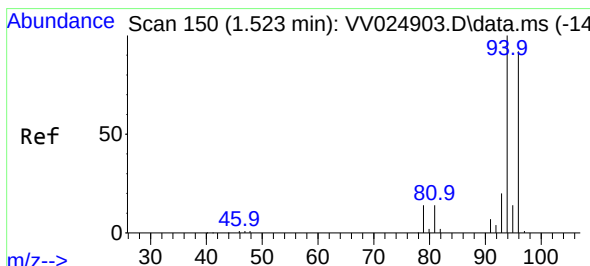
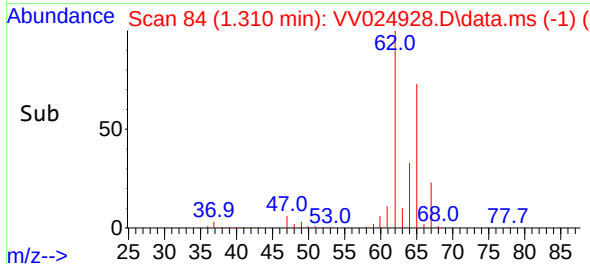
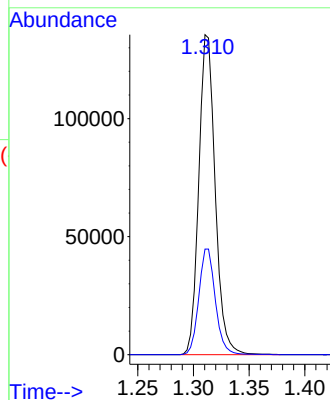
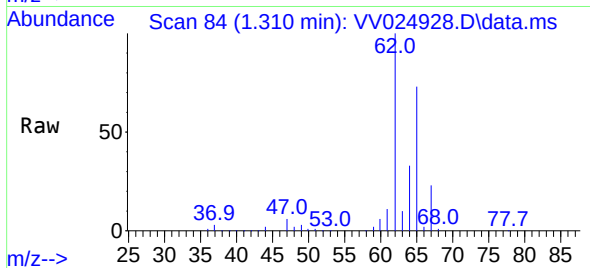




#5
 Vinyl chloride
 Concen: 48.757 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024928.D
 Acq: 10 Mar 2022 20:31

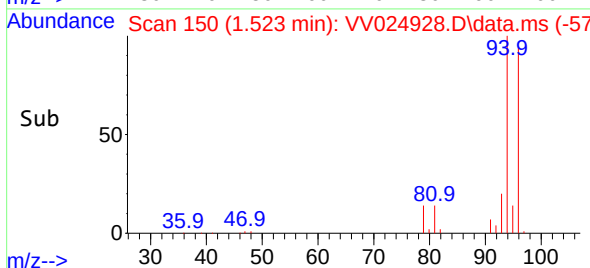
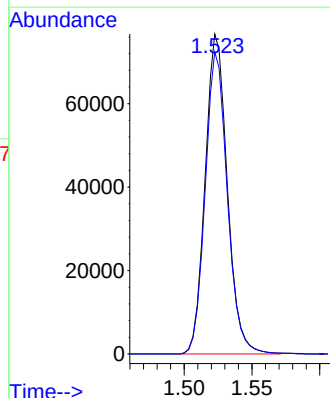
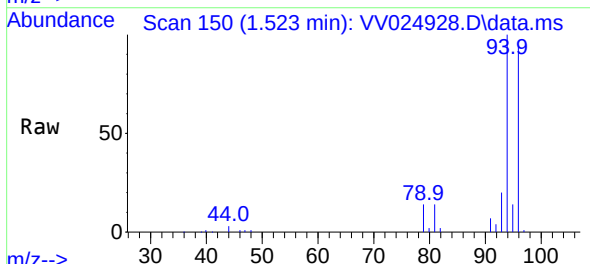
Instrument :
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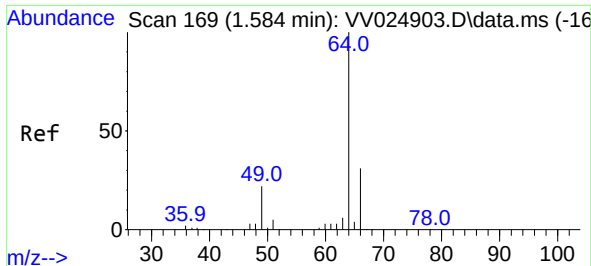
Tgt Ion: 62 Resp: 138626
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 51.347 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024928.D
 Acq: 10 Mar 2022 20:31

Tgt Ion: 94 Resp: 87212
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.7 123.9

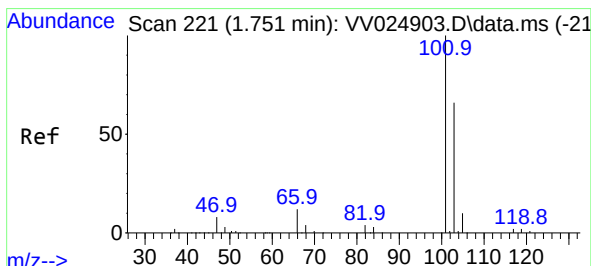
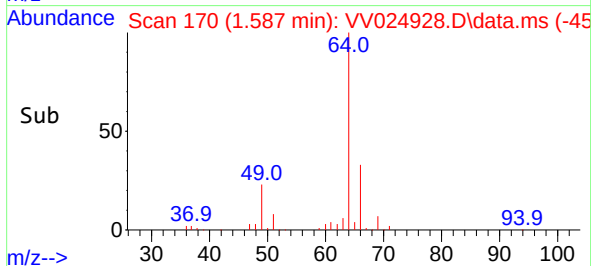
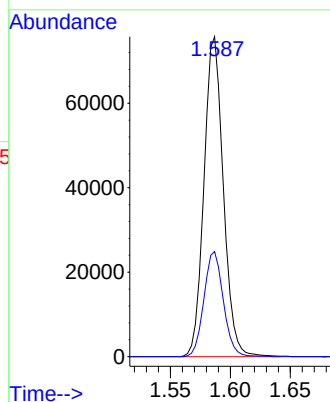
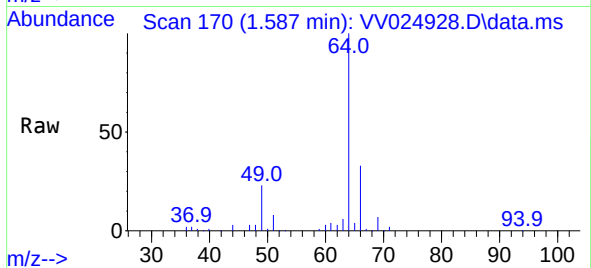




#8
Chloroethane
Concen: 51.127 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

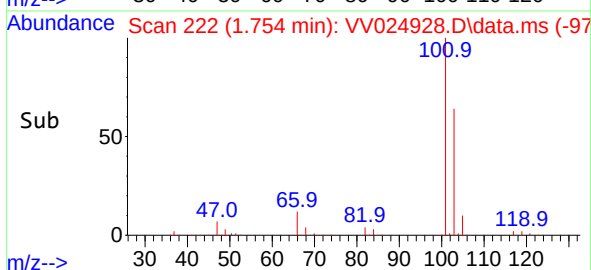
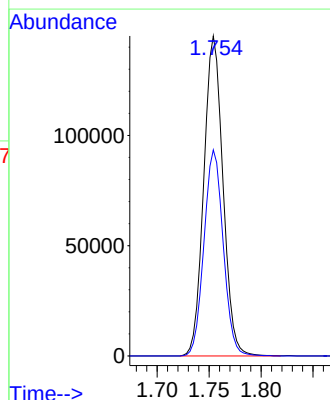
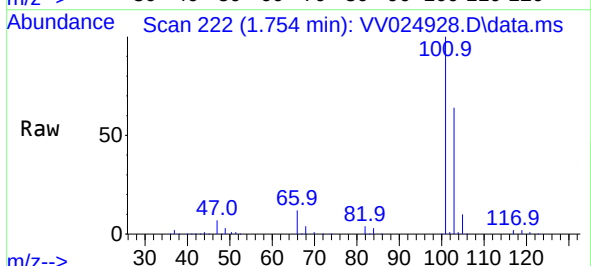
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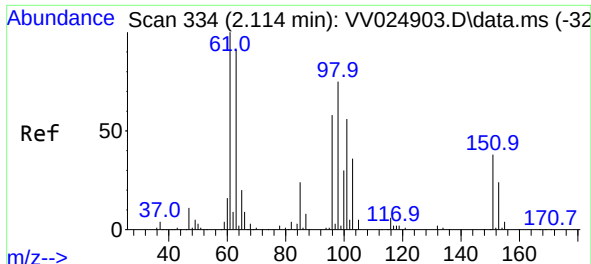
Tgt Ion: 64 Resp: 85191
Ion Ratio Lower Upper
64 100
66 32.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 51.136 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:101 Resp: 185931
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

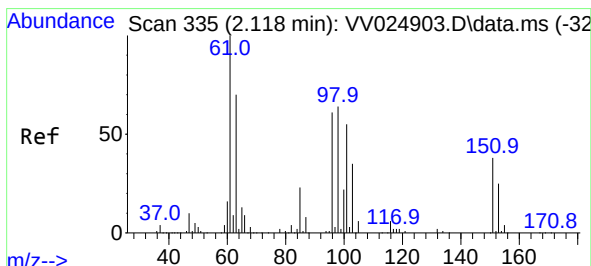
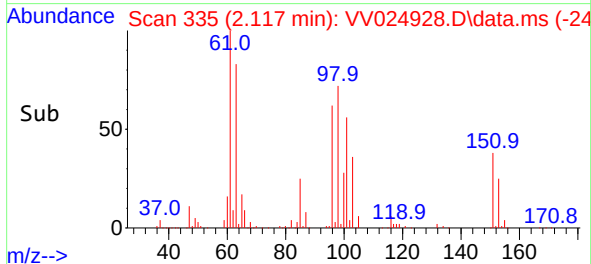
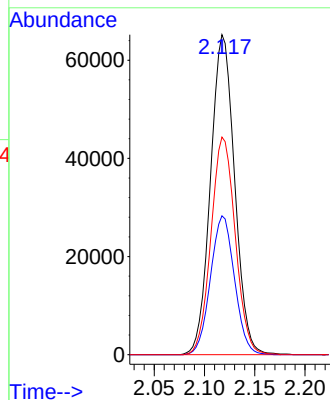
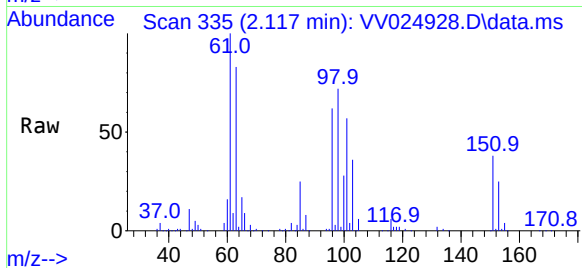




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.421 ug/L
RT: 2.117 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

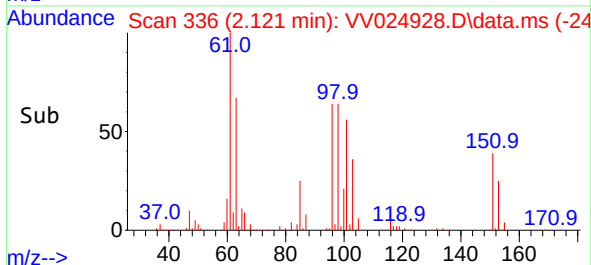
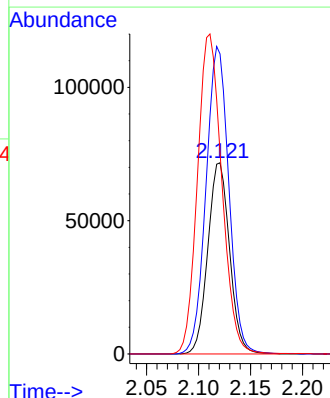
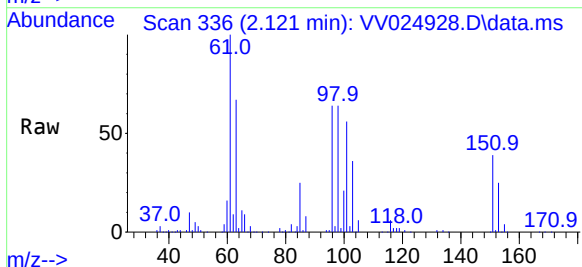
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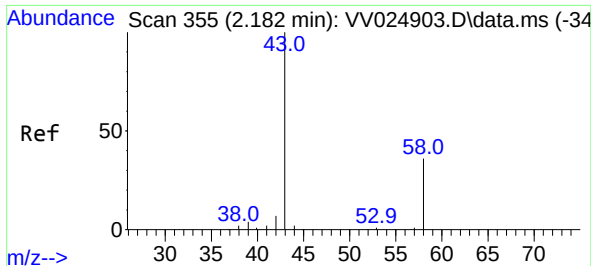
Tgt Ion:101 Resp: 108721
Ion Ratio Lower Upper
101 100
85 43.2 33.8 50.8
151 68.5 54.1 81.1



#12
1,1-Dichloroethene
Concen: 49.560 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 96 Resp: 104074
Ion Ratio Lower Upper
96 100
61 156.9 117.6 218.4
63 105.5 105.3 195.5





#13

Acetone

Concen: 80.116 ug/L

RT: 2.188 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

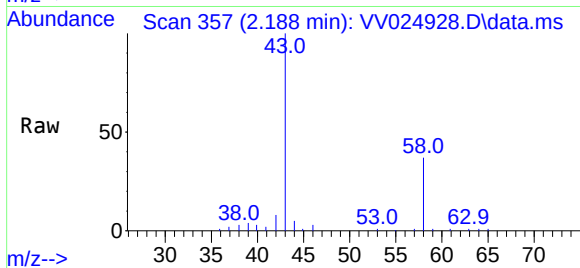
VSTD050285

Tgt Ion: 43 Resp: 100433

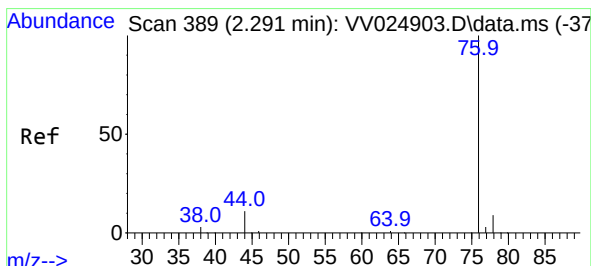
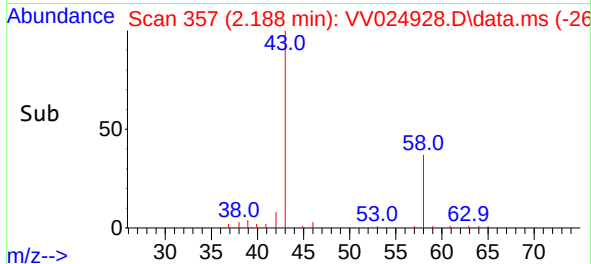
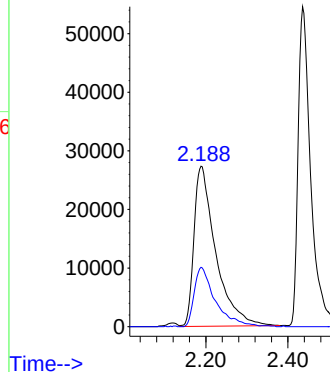
Ion Ratio Lower Upper

43 100

58 33.1 0.0 70.0



Abundance



#14

Carbon disulfide

Concen: 49.289 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV024928.D

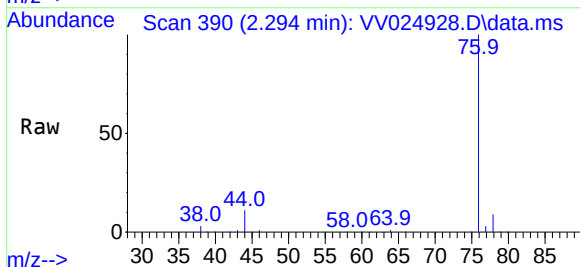
Acq: 10 Mar 2022 20:31

Tgt Ion: 76 Resp: 316198

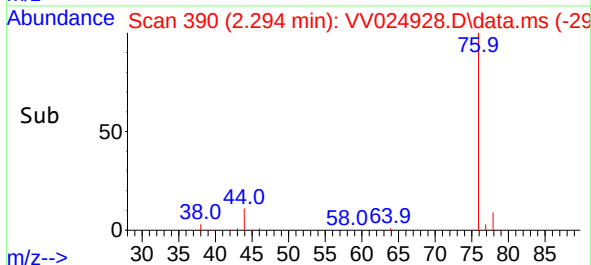
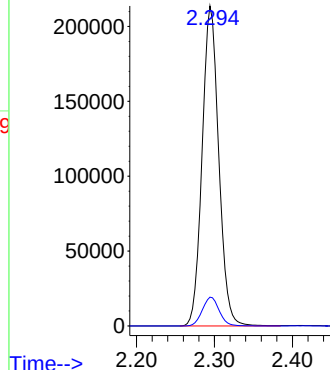
Ion Ratio Lower Upper

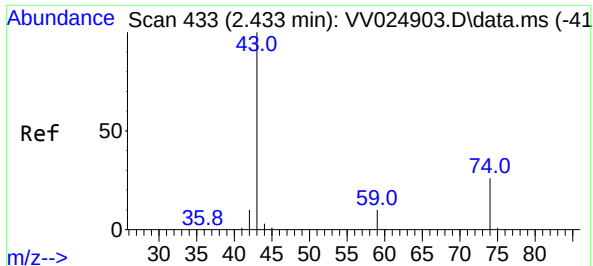
76 100

78 9.0 7.4 11.0



Abundance

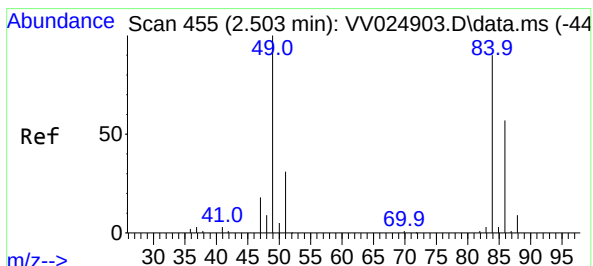
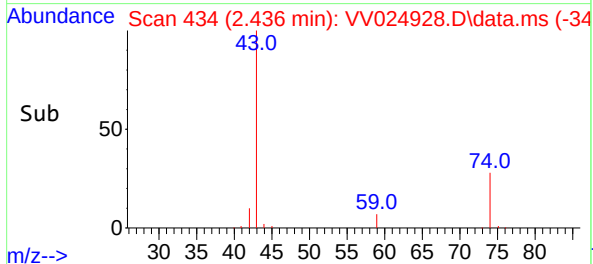
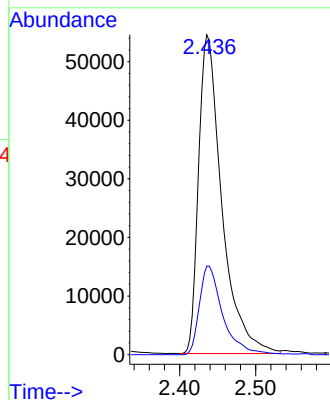
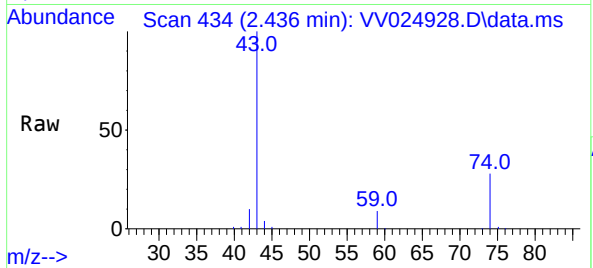




#15
Methyl Acetate
Concen: 53.742 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

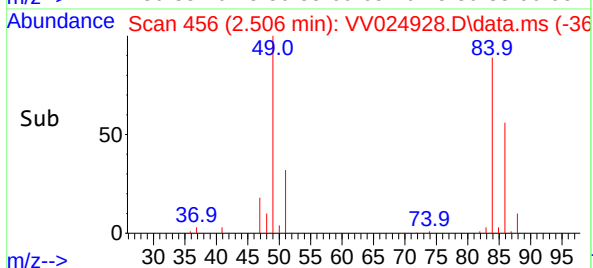
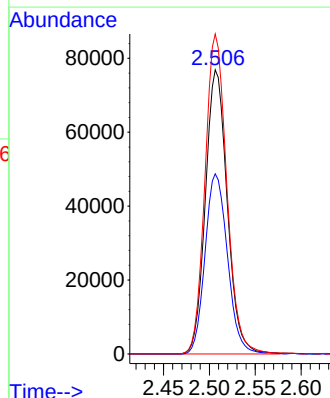
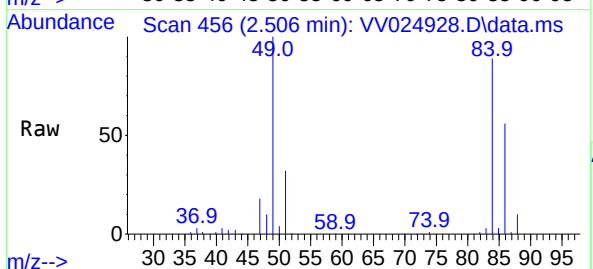
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

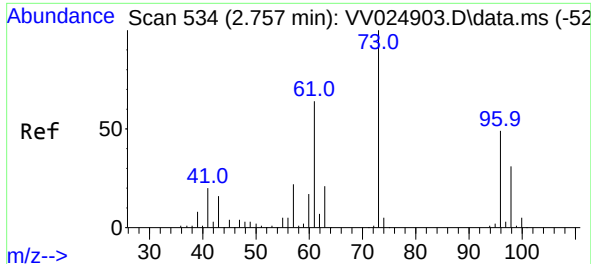
Tgt Ion: 43 Resp: 115732
Ion Ratio Lower Upper
43 100
74 27.8 21.0 31.4



#16
Methylene chloride
Concen: 51.791 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 84 Resp: 127373
Ion Ratio Lower Upper
84 100
86 63.4 44.3 82.3
49 112.6 80.7 149.9

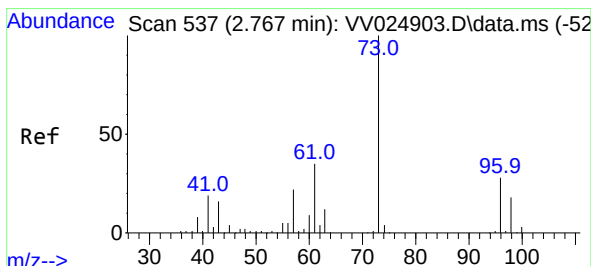
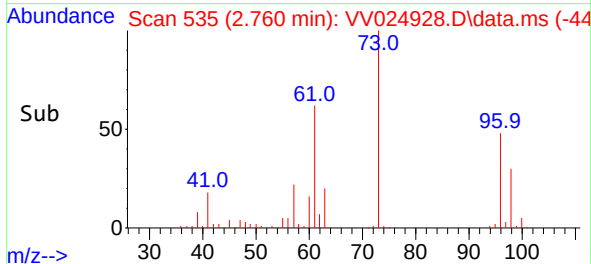
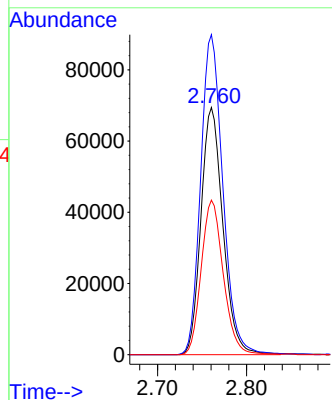
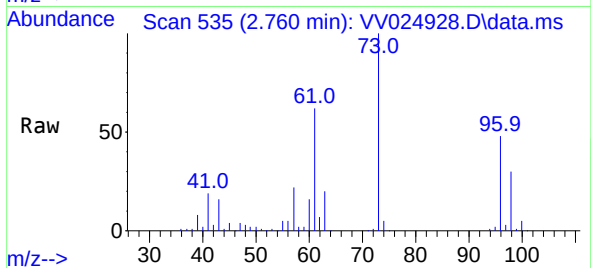




#17
trans-1,2-Dichloroethene
Concen: 52.381 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

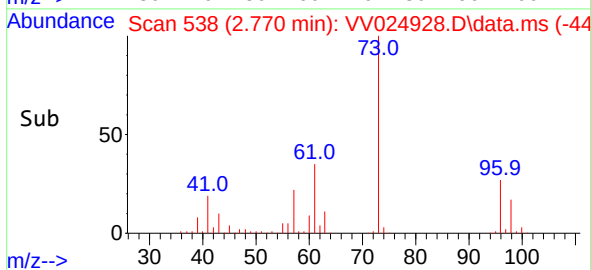
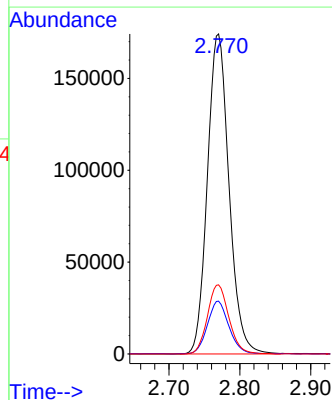
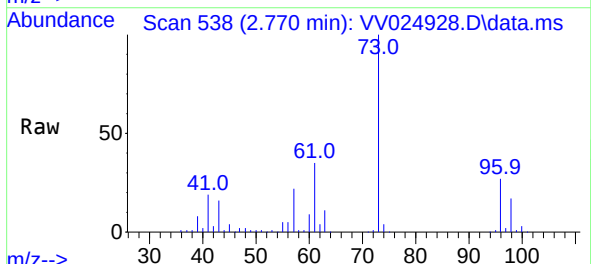
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

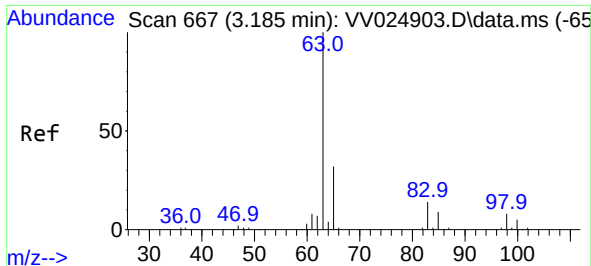
Tgt Ion: 96 Resp: 118963
Ion Ratio Lower Upper
96 100
61 129.5 93.7 173.9
98 62.5 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 53.322 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 73 Resp: 369236
Ion Ratio Lower Upper
73 100
43 16.3 13.6 20.4
57 21.4 17.4 26.2





#19

1,1-Dichloroethane

Concen: 52.095 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

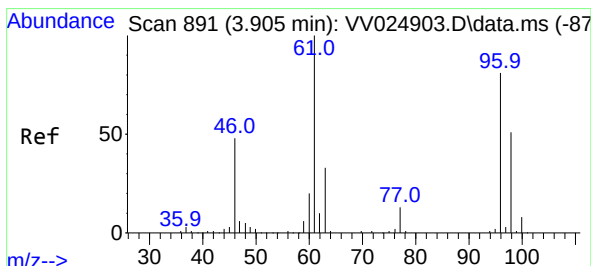
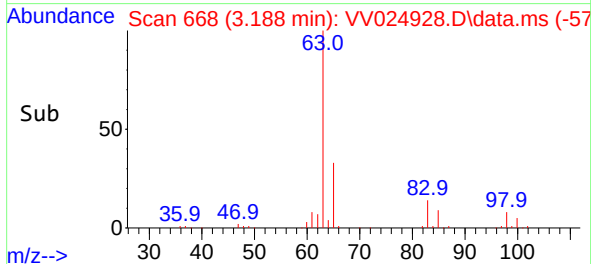
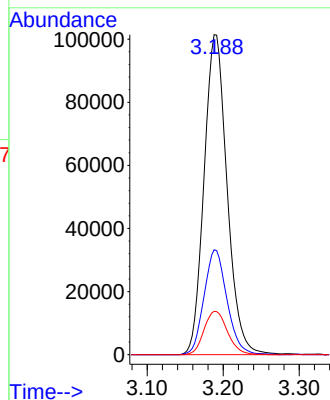
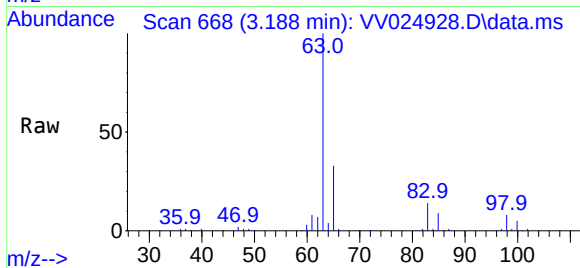
Tgt Ion: 63 Resp: 213323

Ion Ratio Lower Upper

63 100

65 32.8 22.0 40.8

83 13.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 53.451 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.006 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

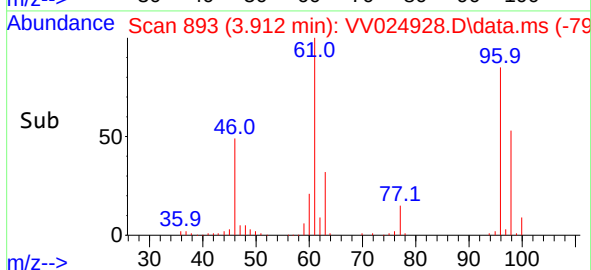
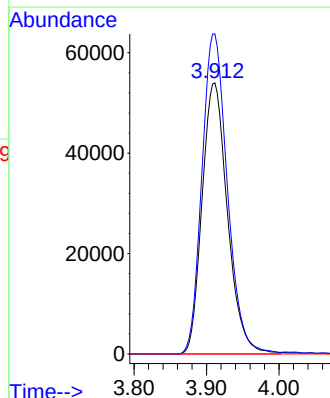
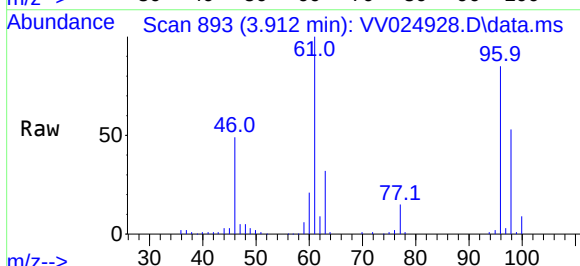
Tgt Ion: 96 Resp: 131402

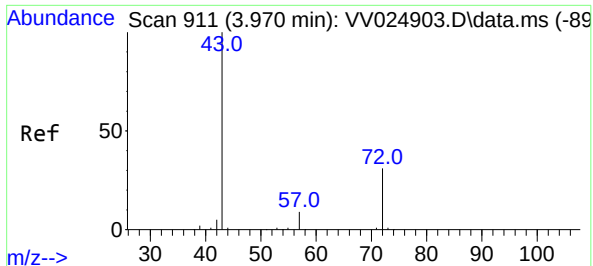
Ion Ratio Lower Upper

96 100

61 118.1 86.1 159.9

68 0.0 0.0 0.0

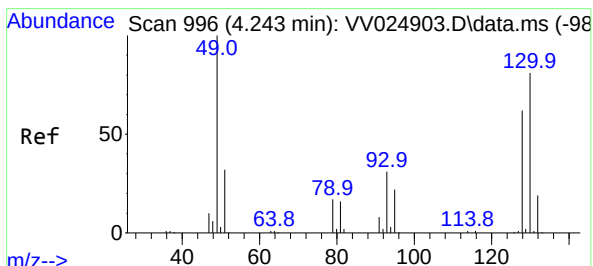
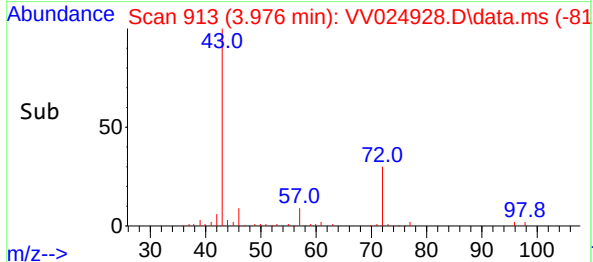
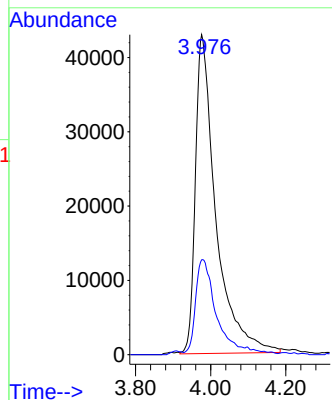
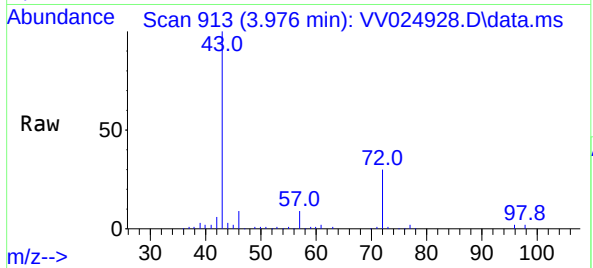




#22
2-Butanone
Concen: 113.001 ug/L
RT: 3.976 min Scan# 911
Delta R.T. 0.006 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

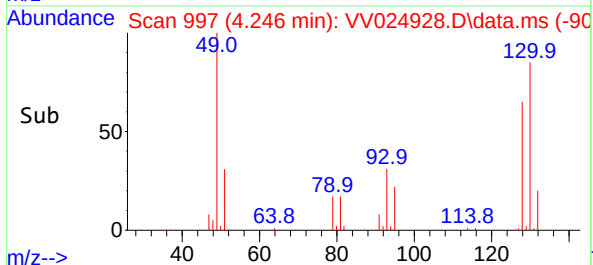
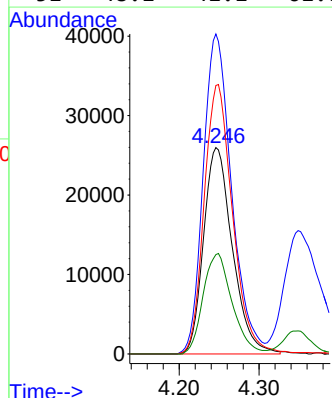
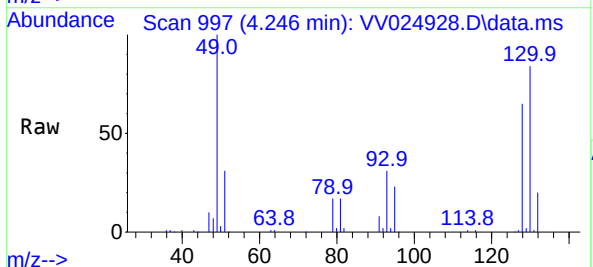
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

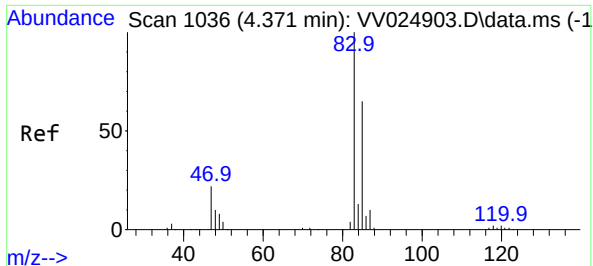
Tgt Ion: 43 Resp: 162433
Ion Ratio Lower Upper
43 100
72 28.0 13.9 41.6



#23
Bromochloromethane
Concen: 52.923 ug/L
RT: 4.246 min Scan# 997
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 128 Resp: 65067
Ion Ratio Lower Upper
128 100
49 155.0 110.9 205.9
130 130.1 88.5 164.3
51 48.1 41.1 61.7





#25

Chloroform

Concen: 53.206 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

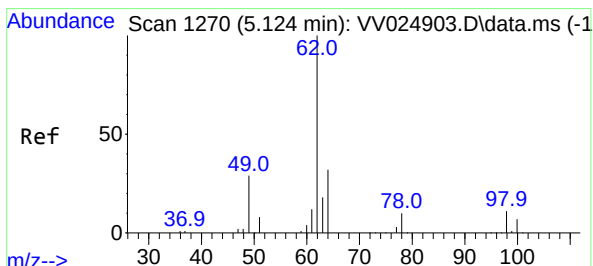
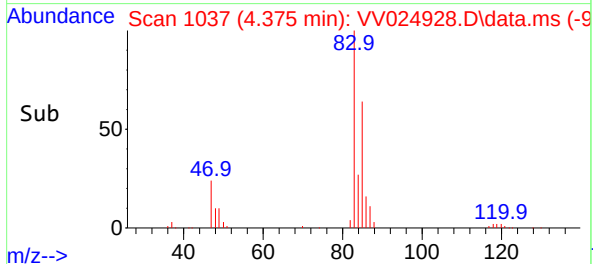
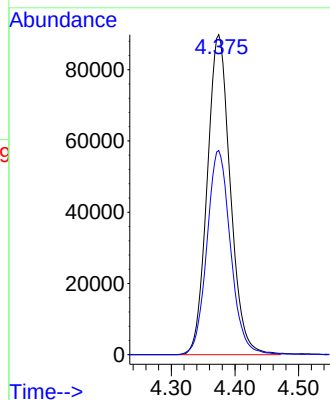
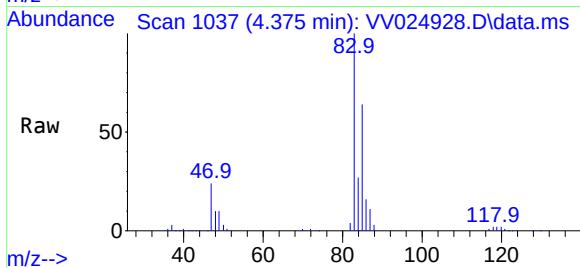
VSTD050285

Tgt Ion: 83 Resp: 226321

Ion Ratio Lower Upper

83 100

85 63.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 52.838 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV024928.D

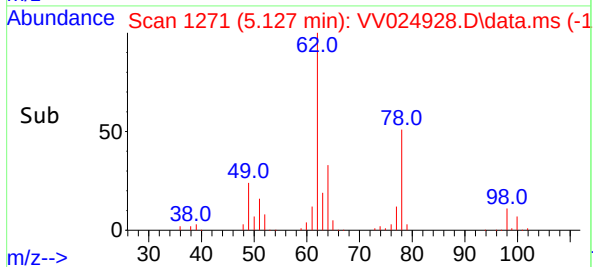
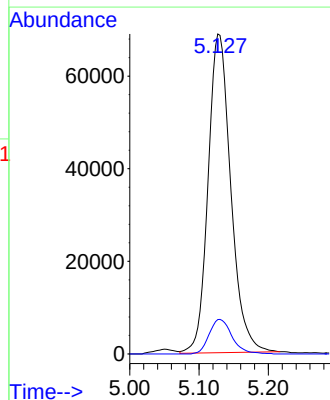
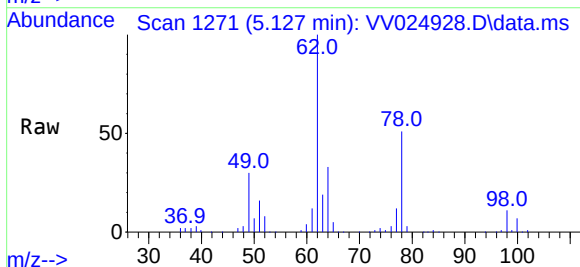
Acq: 10 Mar 2022 20:31

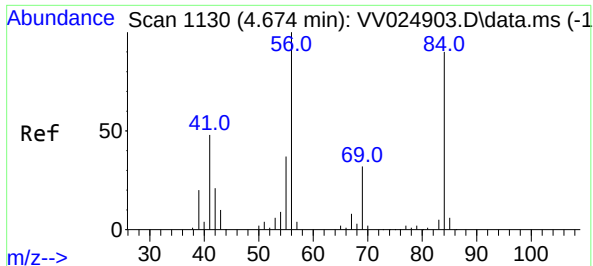
Tgt Ion: 62 Resp: 156842

Ion Ratio Lower Upper

62 100

98 10.7 8.2 12.4





#29

Cyclohexane

Concen: 50.950 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

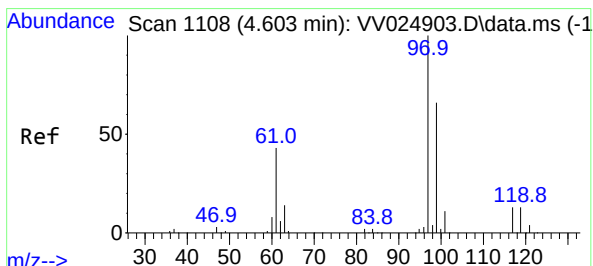
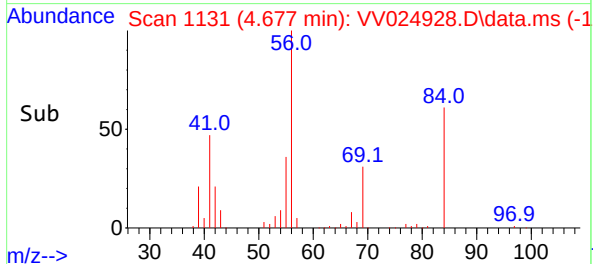
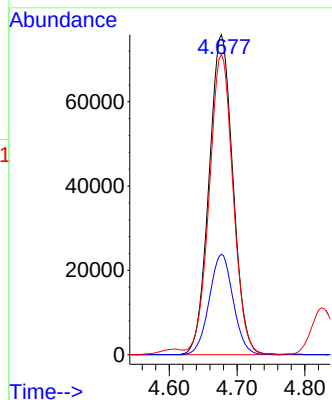
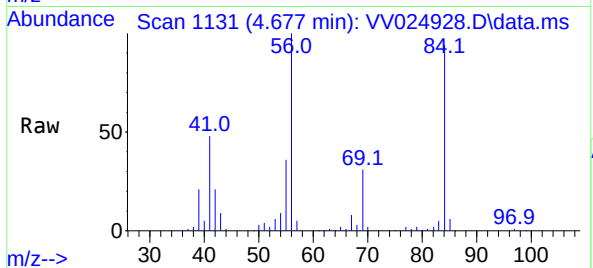
Tgt Ion: 56 Resp: 186294

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 93.1 73.4 110.2



#30

1,1,1-Trichloroethane

Concen: 52.549 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

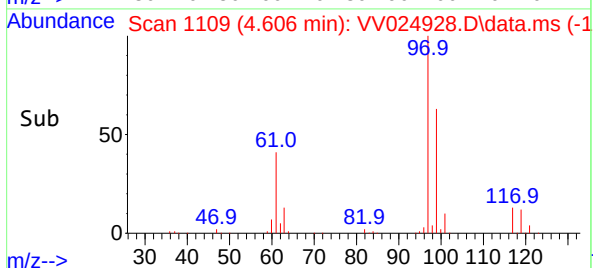
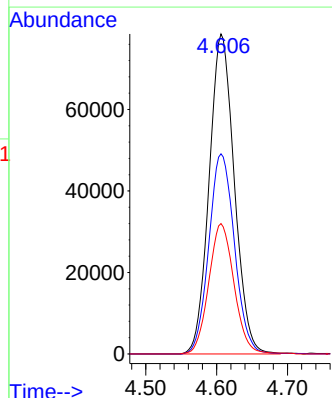
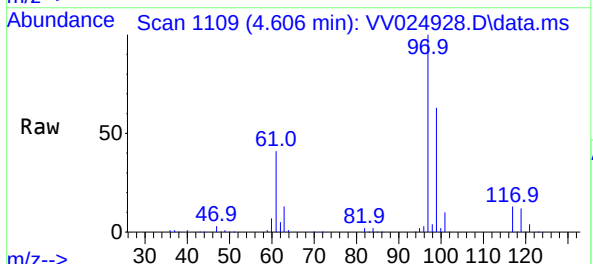
Tgt Ion: 97 Resp: 193418

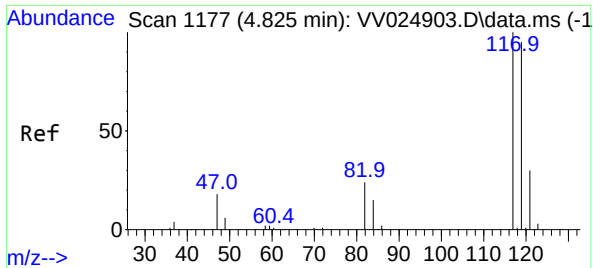
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 40.9 33.8 50.8

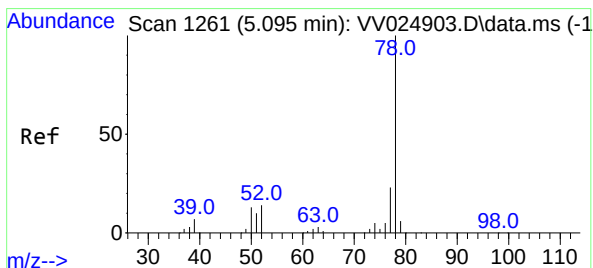
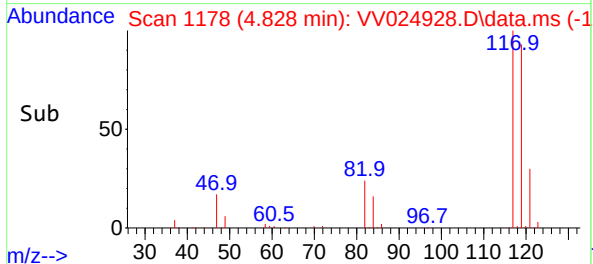
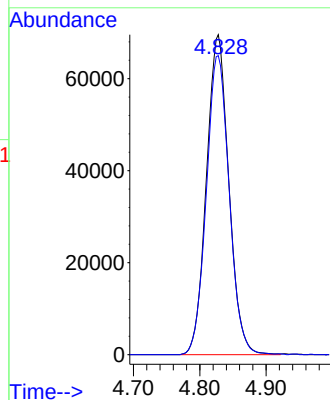
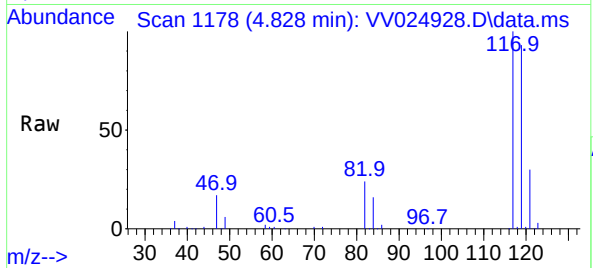




#31
Carbon tetrachloride
Concen: 52.152 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

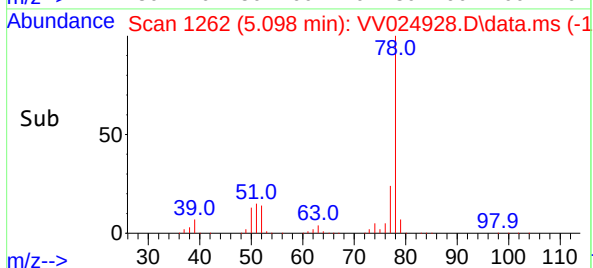
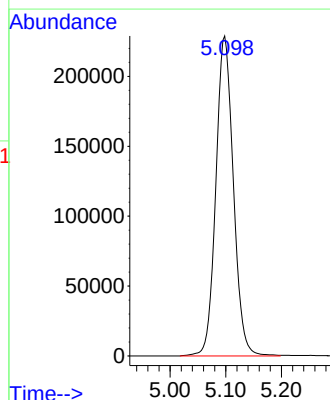
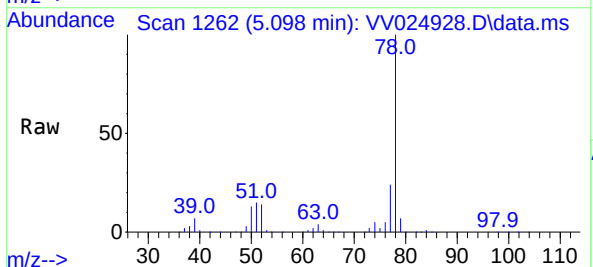
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

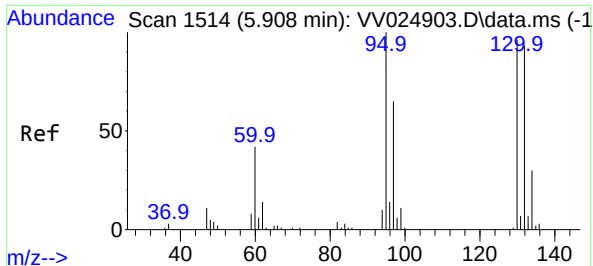
Tgt Ion:117 Resp: 163210
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.8



#33
Benzene
Concen: 53.031 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 78 Resp: 500273

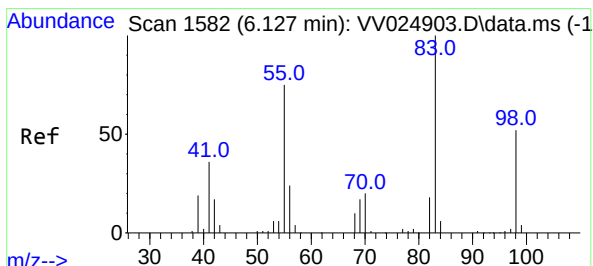
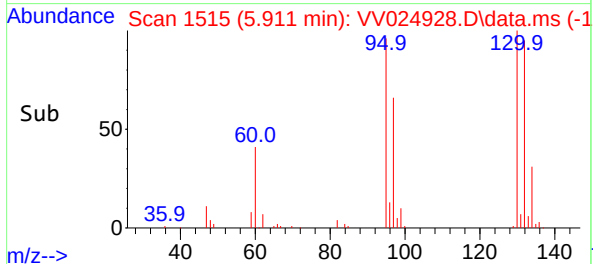
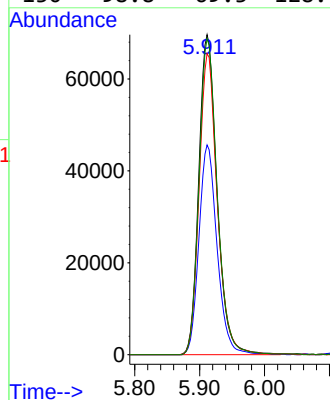
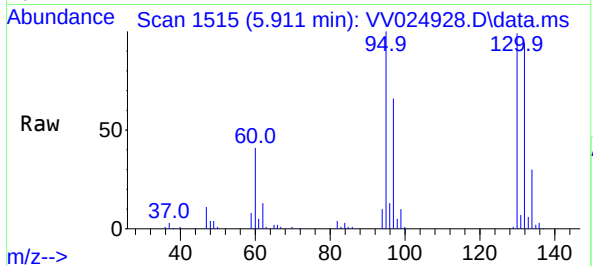




#34
Trichloroethene
Concen: 52.669 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

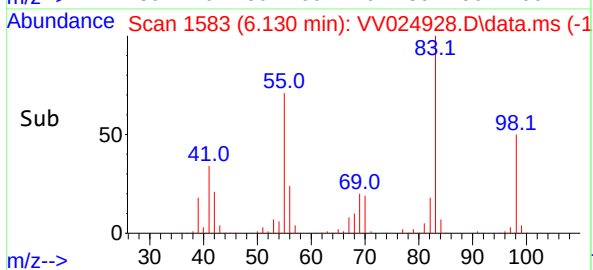
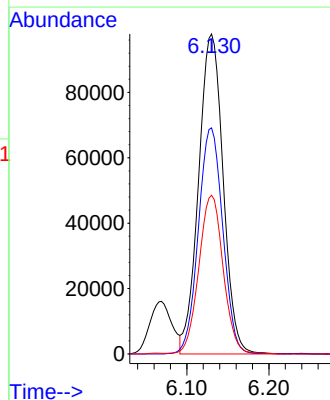
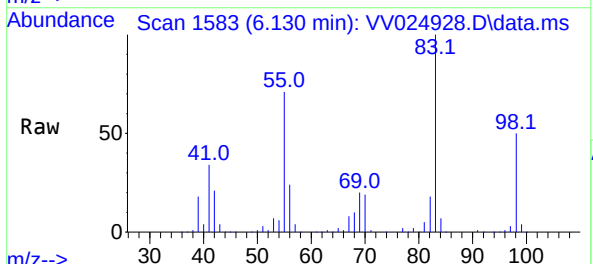
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

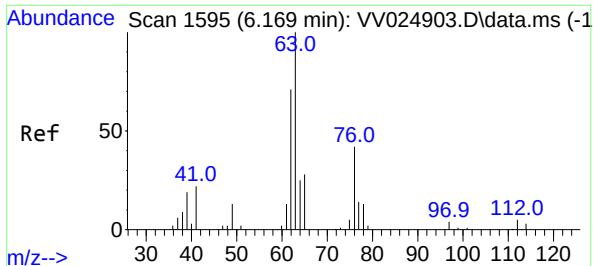
Tgt Ion: 95 Resp: 136206
Ion Ratio Lower Upper
95 100
97 65.5 45.3 84.1
132 94.1 65.0 120.6
130 98.8 69.3 128.7



#35
Methylcyclohexane
Concen: 51.924 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 83 Resp: 203728
Ion Ratio Lower Upper
83 100
55 70.1 57.7 86.5
98 48.8 38.9 58.3

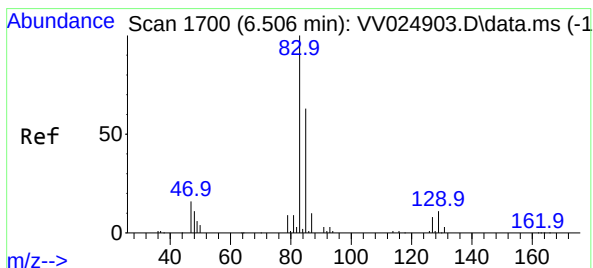
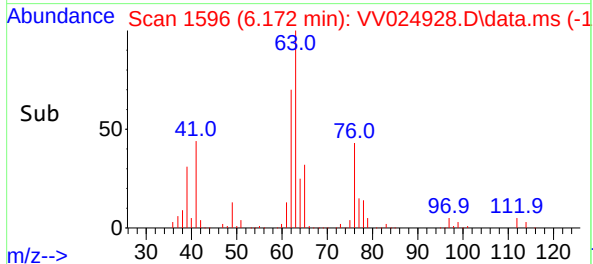
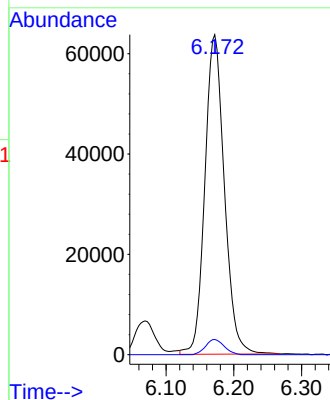
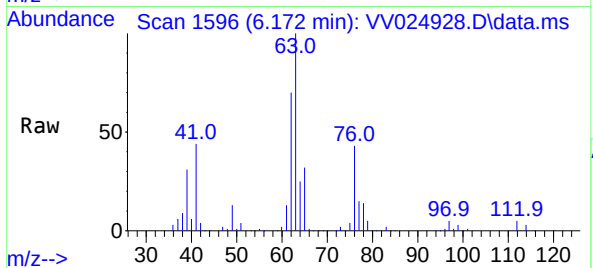




#37
1,2-Dichloropropane
Concen: 53.690 ug/L
RT: 6.172 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

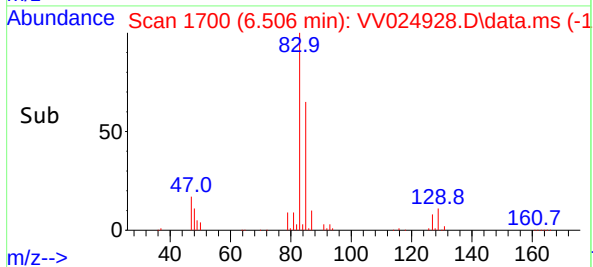
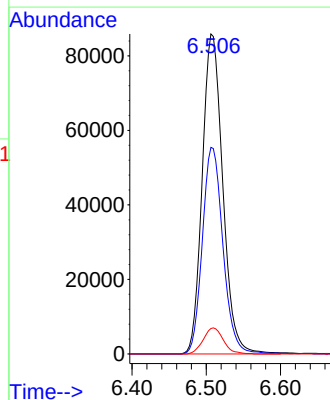
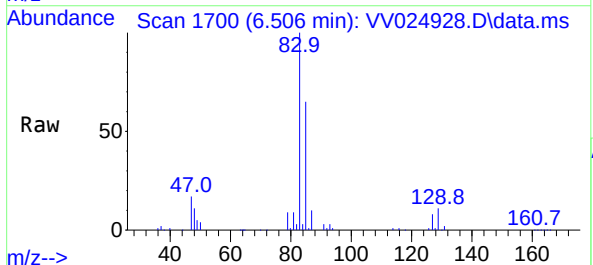
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

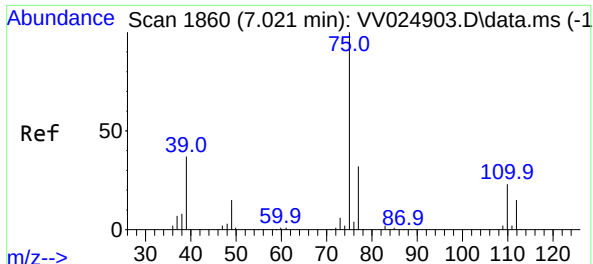
Tgt Ion: 63 Resp: 127096
Ion Ratio Lower Upper
63 100
112 4.6 3.6 5.4



#38
Bromodichloromethane
Concen: 53.219 ug/L
RT: 6.506 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 83 Resp: 165088
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7
127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 54.548 ug/L

RT: 7.024 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

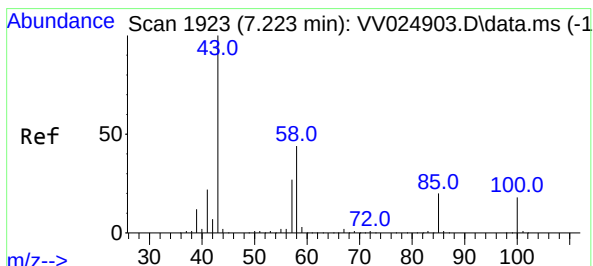
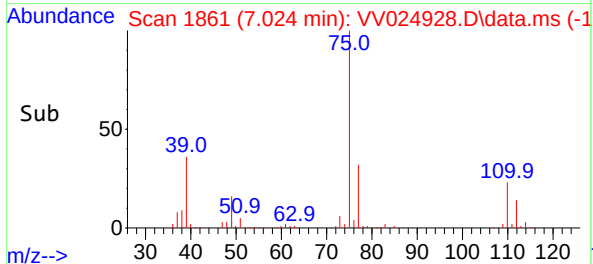
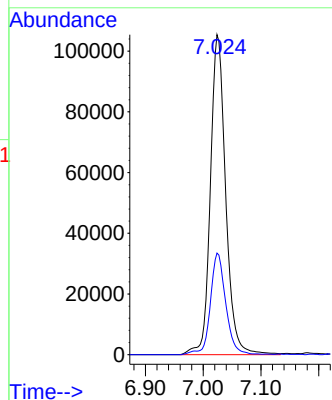
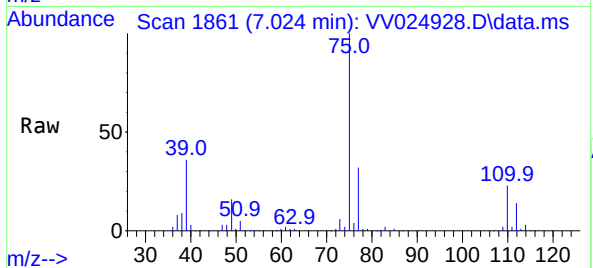
VSTD050285

Tgt Ion: 75 Resp: 194344

Ion Ratio Lower Upper

75 100

77 31.7 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 109.640 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

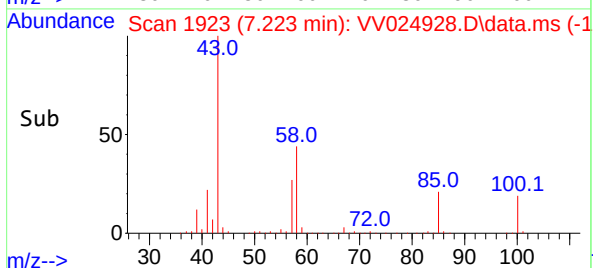
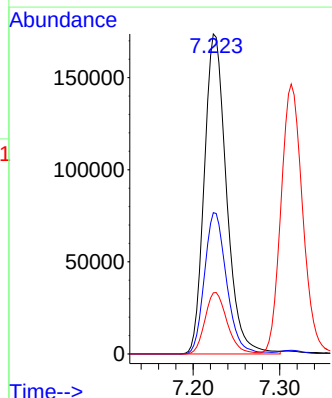
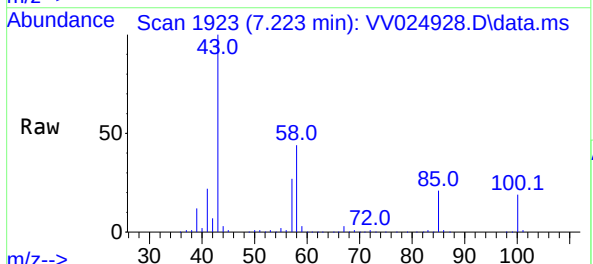
Tgt Ion: 43 Resp: 309441

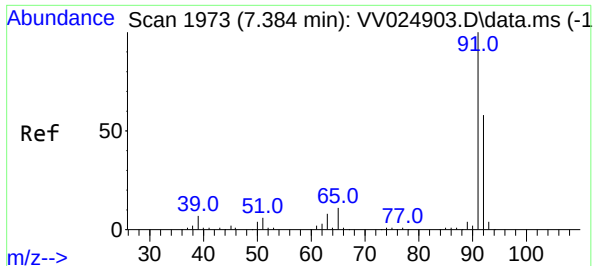
Ion Ratio Lower Upper

43 100

58 43.8 34.8 52.2

100 19.1 14.2 21.2

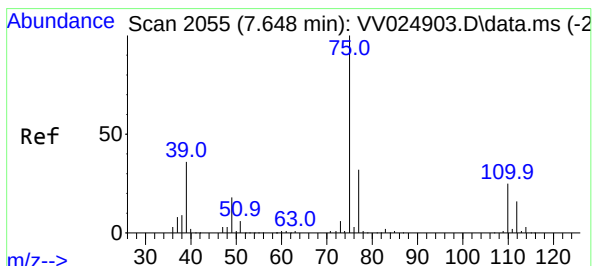
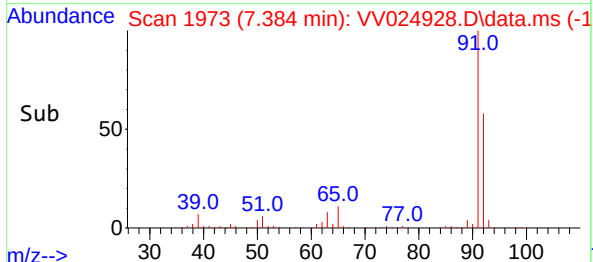
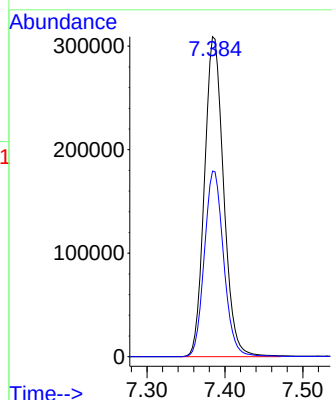
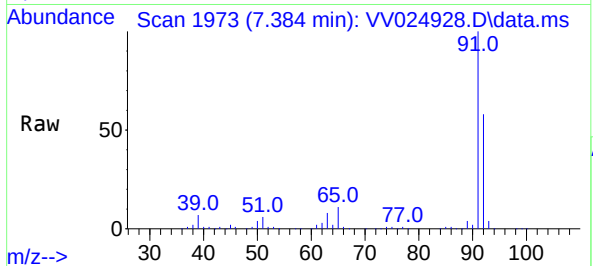




#42
Toluene
Concen: 53.717 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

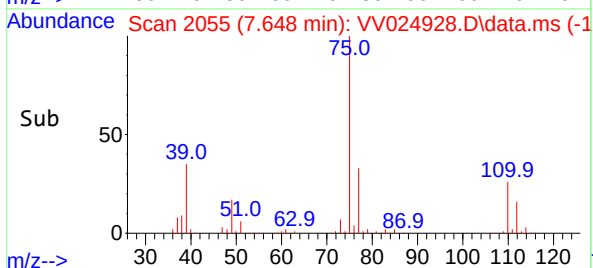
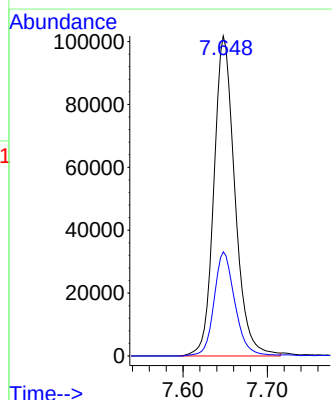
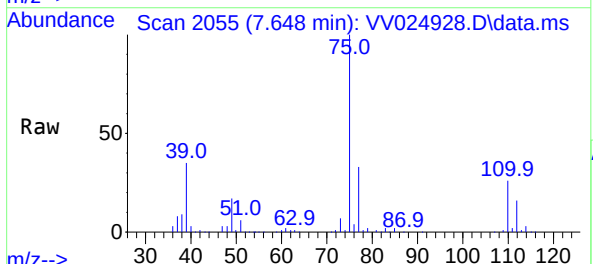
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

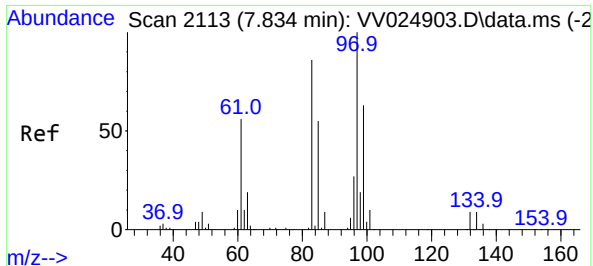
Tgt Ion: 91 Resp: 528781
Ion Ratio Lower Upper
91 100
92 58.0 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 53.782 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 75 Resp: 176039
Ion Ratio Lower Upper
75 100
77 32.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 54.662 ug/L

RT: 7.837 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

Tgt Ion: 97 Resp: 125727

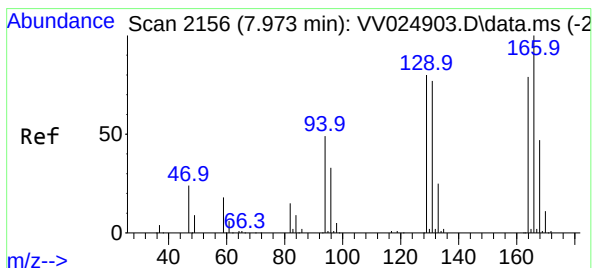
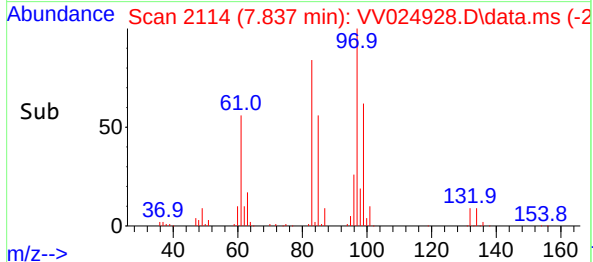
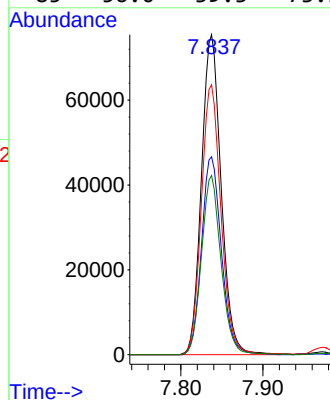
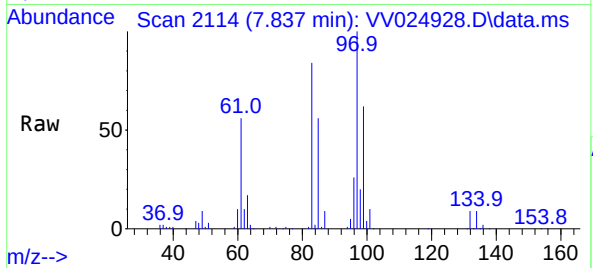
Ion Ratio Lower Upper

97 100

99 61.8 43.9 81.5

83 84.3 61.7 114.5

85 56.0 39.3 73.1



#46

Tetrachloroethene

Concen: 51.897 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Tgt Ion:164 Resp: 86677

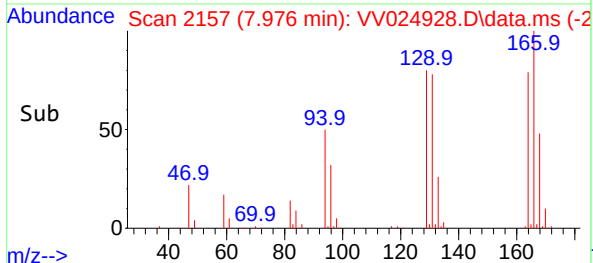
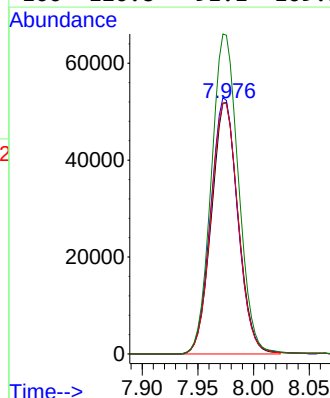
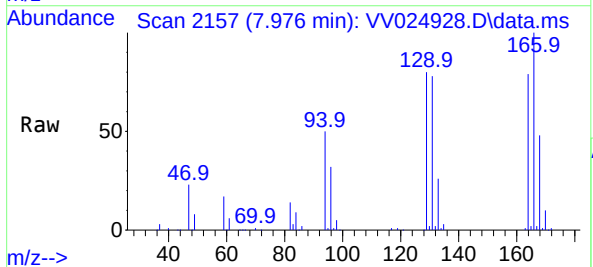
Ion Ratio Lower Upper

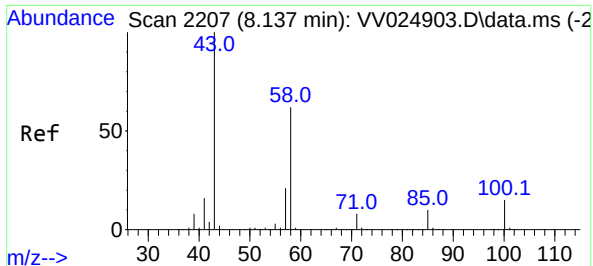
164 100

129 100.9 74.1 137.7

131 99.5 70.1 130.1

166 126.8 91.1 169.1

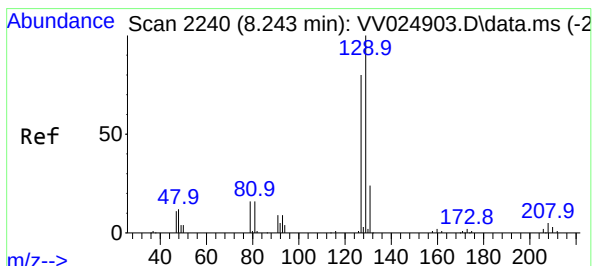
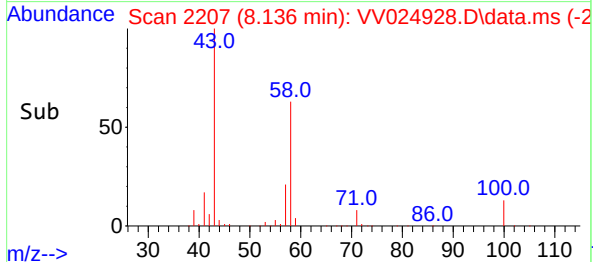
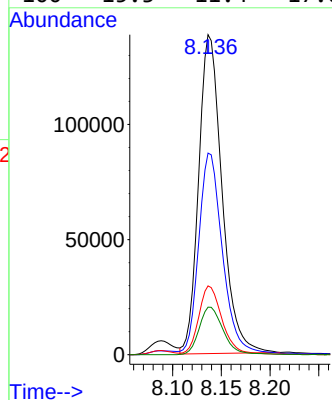
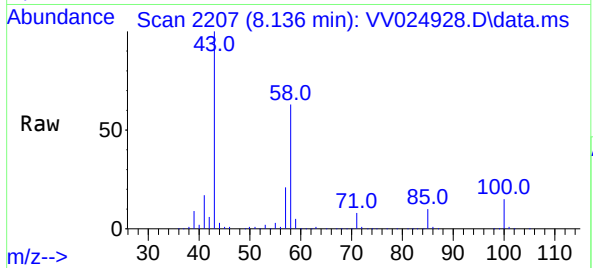




#48
2-Hexanone
Concen: 104.316 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

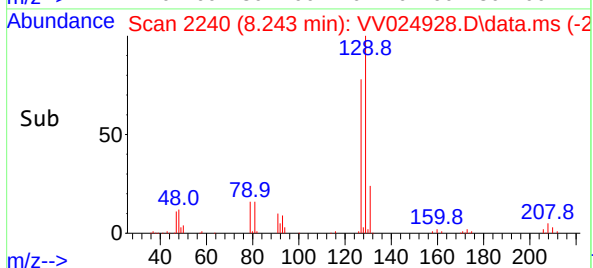
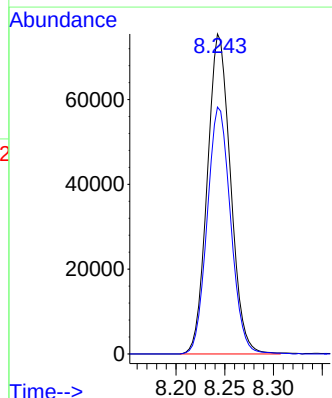
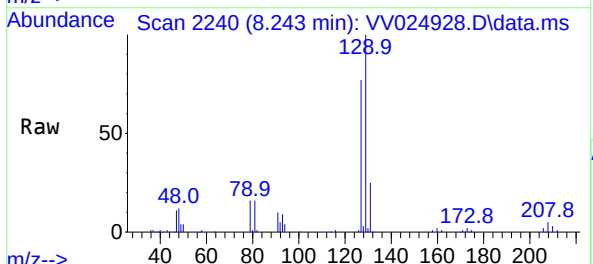
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

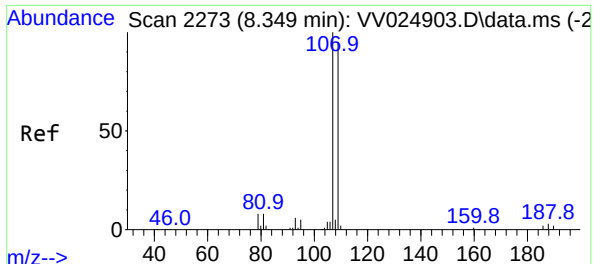
Tgt Ion: 43 Resp: 231709
Ion Ratio Lower Upper
43 100
58 63.8 48.6 72.8
57 21.2 16.5 24.7
100 15.3 11.4 17.0



#49
Dibromochloromethane
Concen: 56.321 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:129 Resp: 125186
Ion Ratio Lower Upper
129 100
127 77.1 54.2 100.6

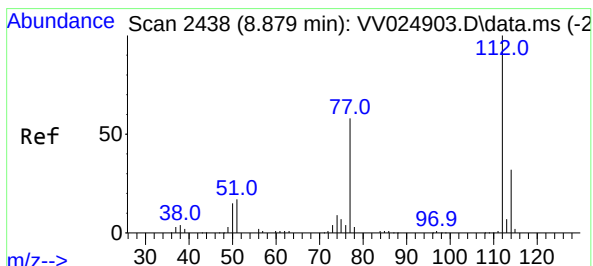
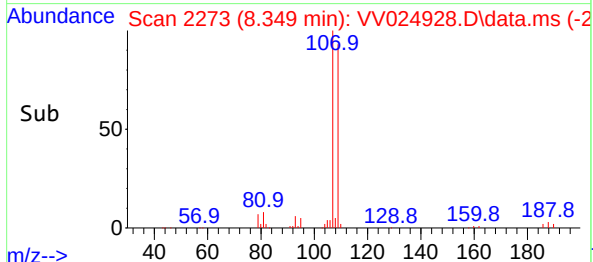
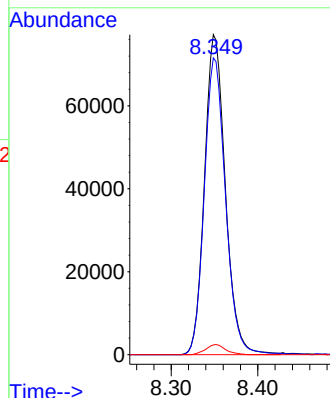
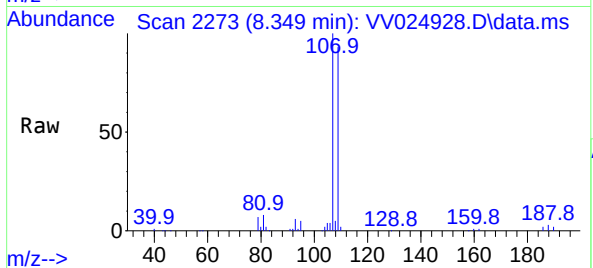




#50
1,2-Dibromoethane
Concen: 54.502 ug/L
RT: 8.349 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

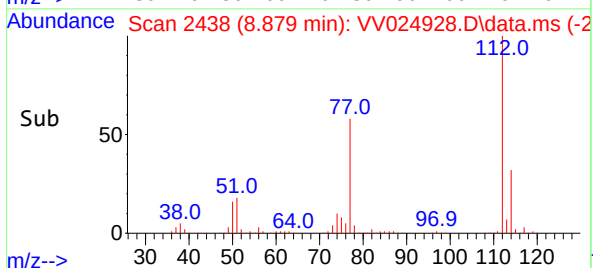
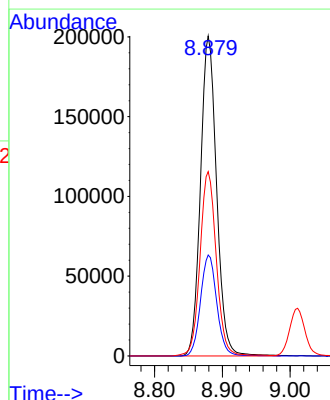
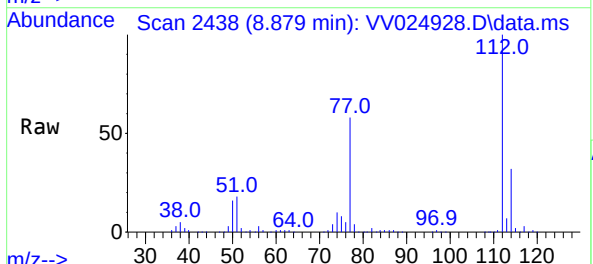
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

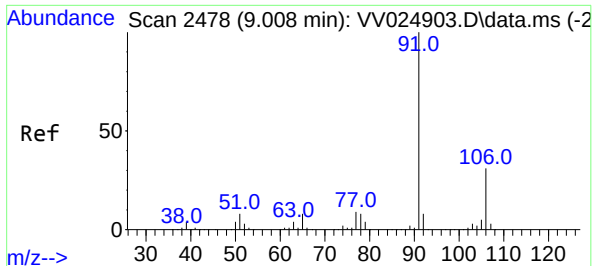
Tgt Ion:107 Resp: 129280
Ion Ratio Lower Upper
107 100
109 92.8 65.6 121.8
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 53.248 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:112 Resp: 330661
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 57.6 46.7 70.1

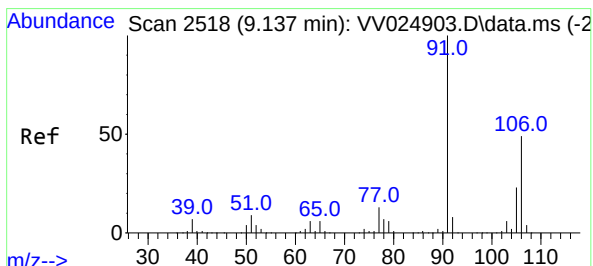
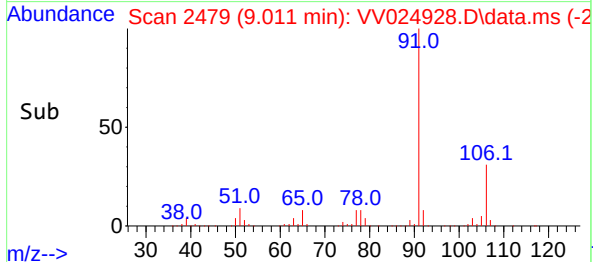
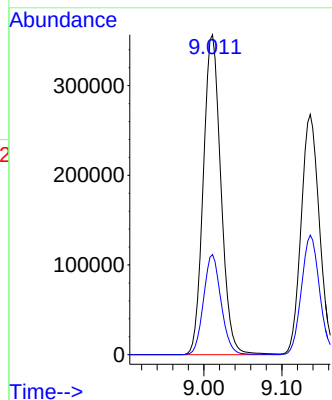
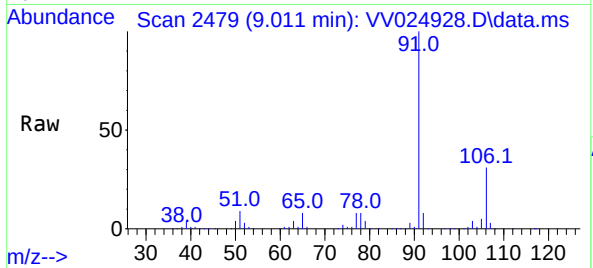




#52
Ethylbenzene
Concen: 53.960 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

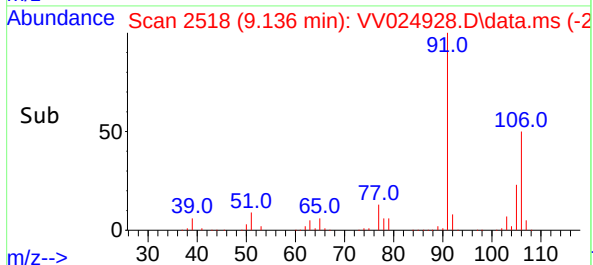
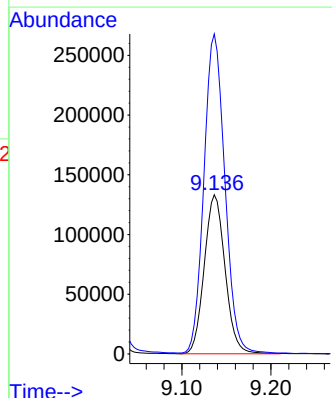
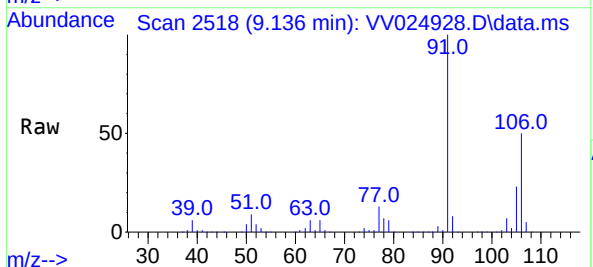
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

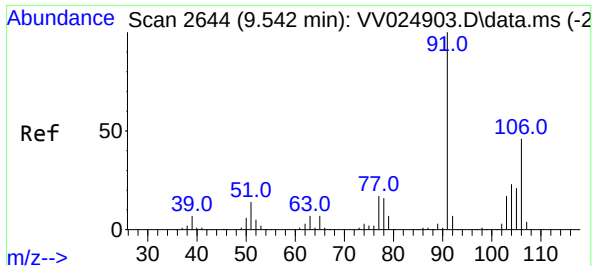
Tgt Ion: 91 Resp: 560232
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-Xylene
Concen: 54.070 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 106 Resp: 215708
Ion Ratio Lower Upper
106 100
91 201.1 142.2 264.2

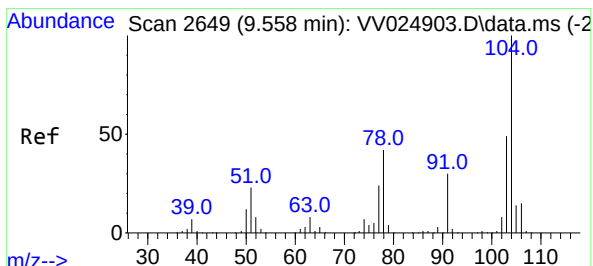
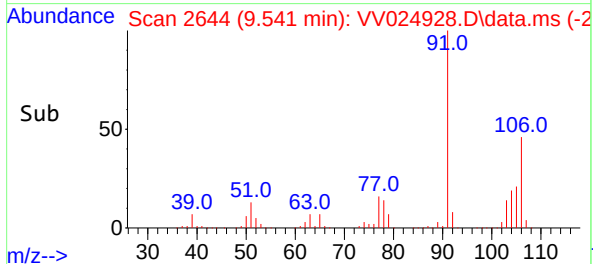
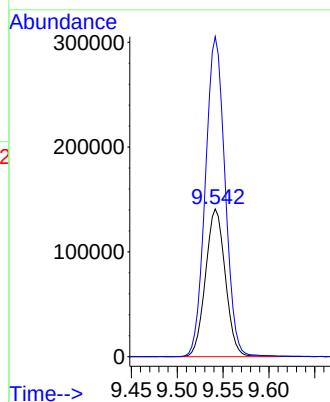
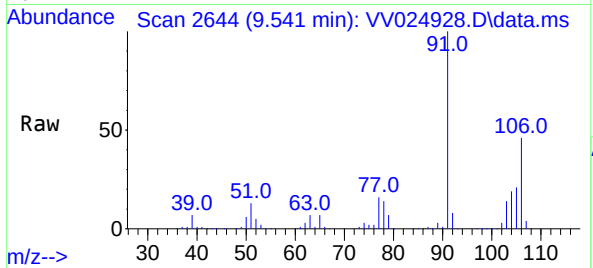




#54
o-Xylene
Concen: 54.969 ug/L
RT: 9.541 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

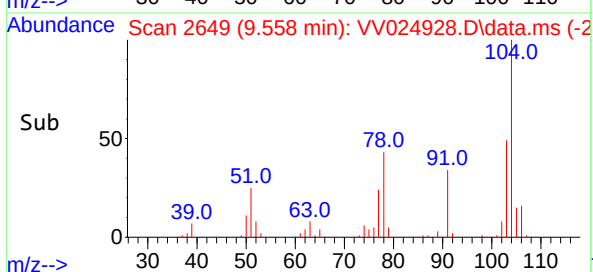
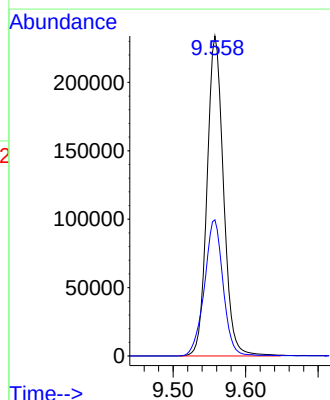
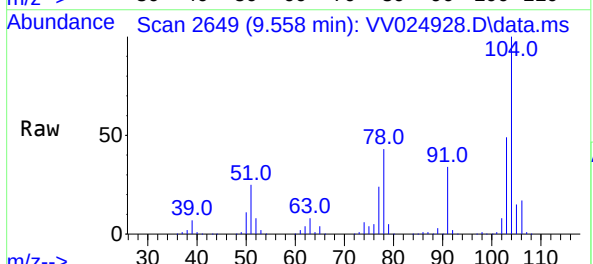
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

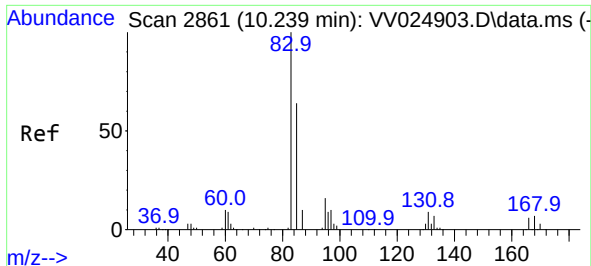
Tgt Ion:106 Resp: 211897
Ion Ratio Lower Upper
106 100
91 216.3 151.6 281.6



#55
Styrene
Concen: 56.498 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:104 Resp: 369530
Ion Ratio Lower Upper
104 100
78 42.5 30.9 57.3

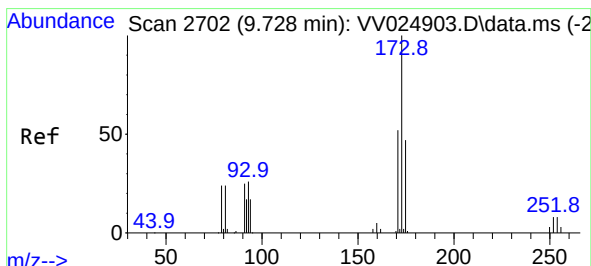
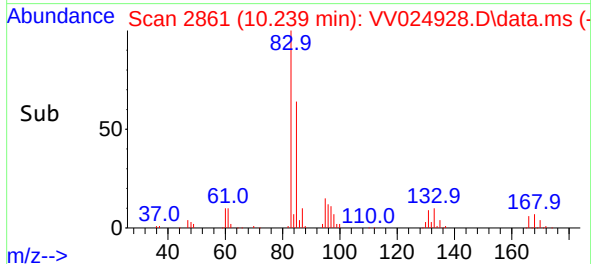
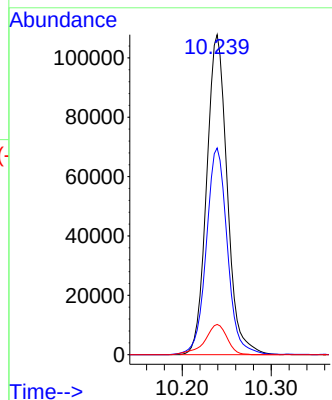
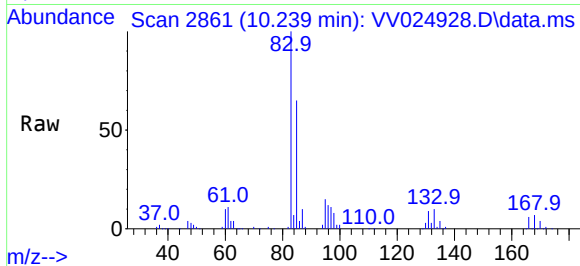




#57
1,1,2,2-Tetrachloroethane
Concen: 53.754 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

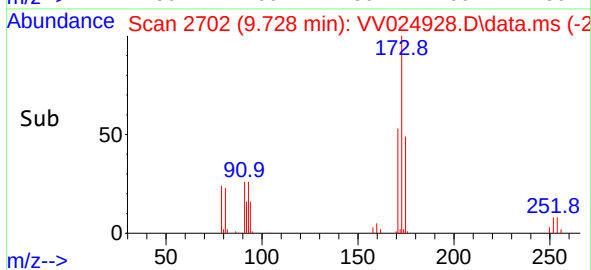
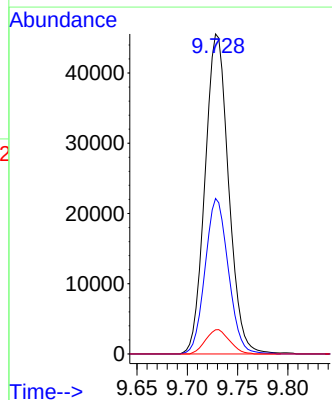
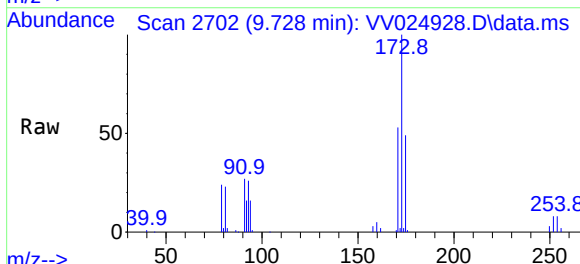
Instrument : MSVOA_V
ClientSampleId : VSTD050285

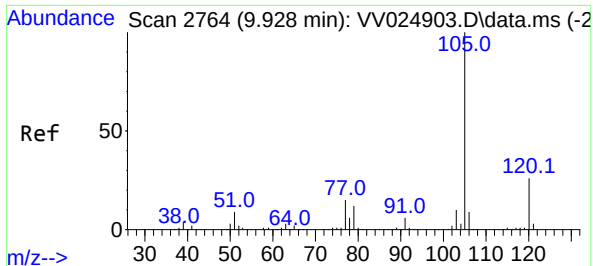
Tgt Ion: 83 Resp: 172934
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.2
131 9.4 7.0 10.4



#59
Bromoform
Concen: 57.144 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 173 Resp: 74481
Ion Ratio Lower Upper
173 100
175 47.8 37.9 56.9
254 7.7 6.2 9.4

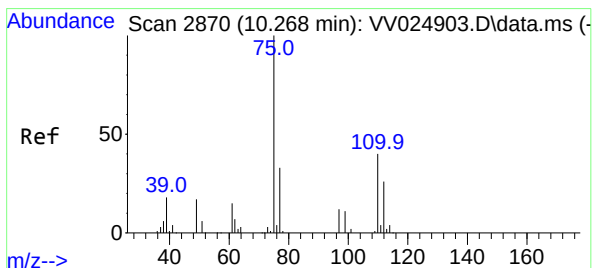
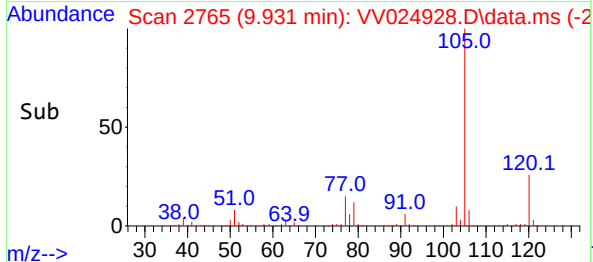
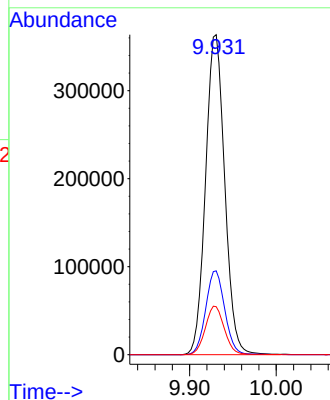
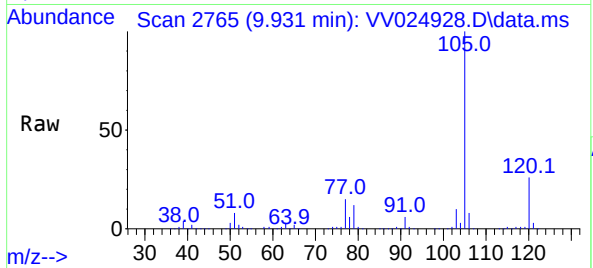




#60
Isopropylbenzene
Concen: 53.802 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

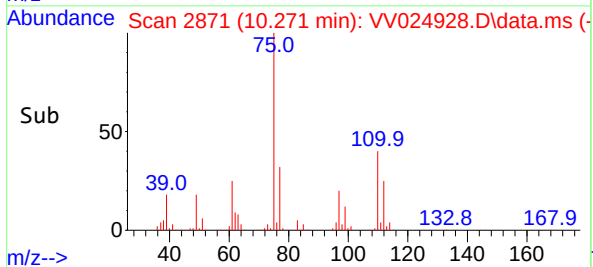
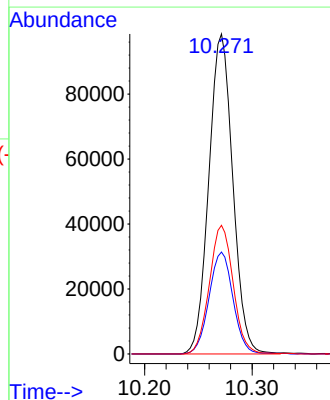
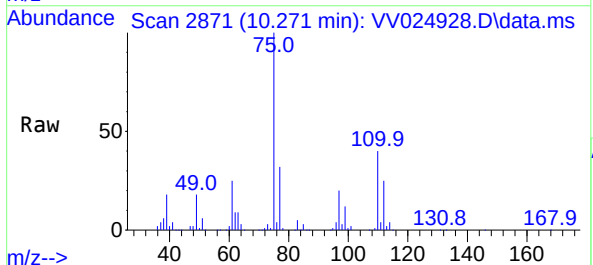
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

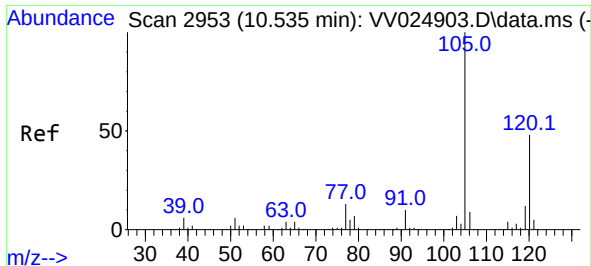
Tgt Ion:105 Resp: 559048
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 15.1 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 53.183 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion: 75 Resp: 152259
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
110 40.0 31.4 47.2

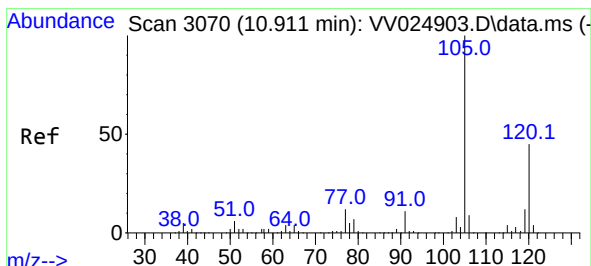
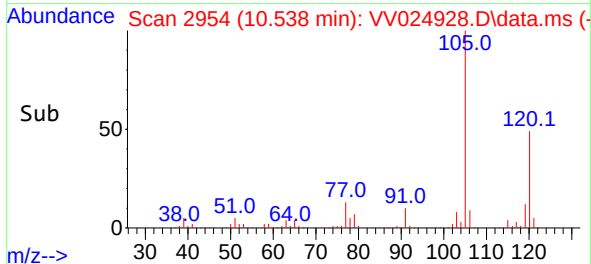
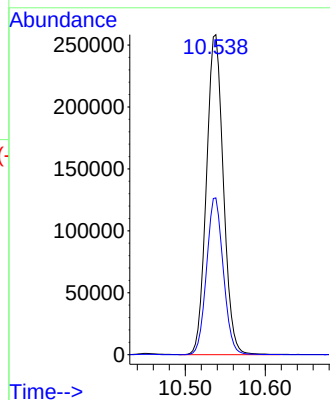
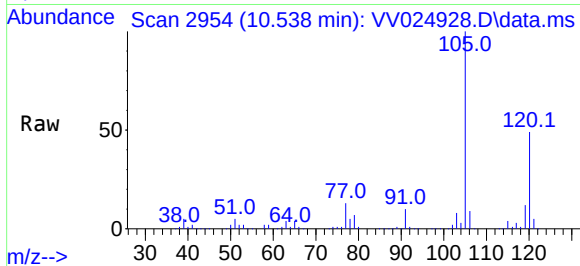




#62
1,3,5-Trimethylbenzene
Concen: 54.488 ug/L
RT: 10.538 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

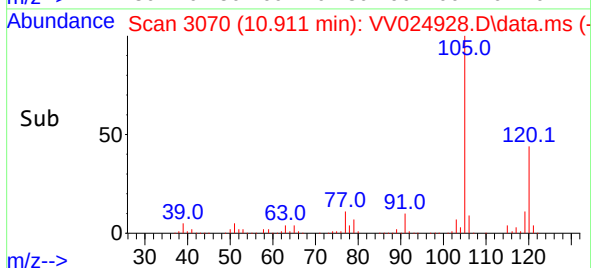
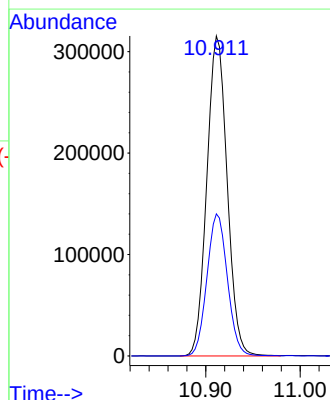
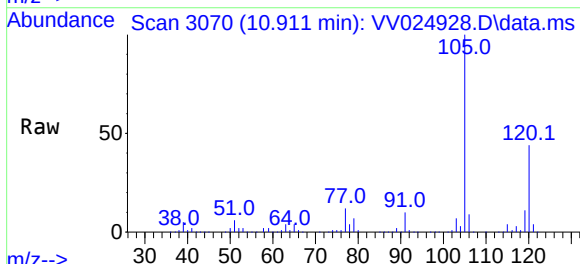
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

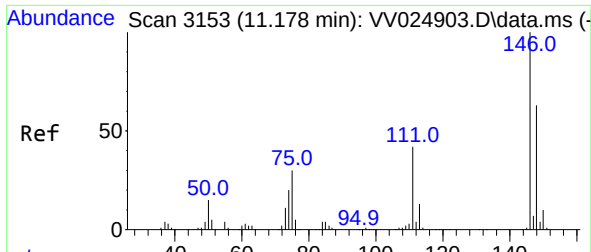
Tgt Ion:105 Resp: 382000
Ion Ratio Lower Upper
105 100
120 48.4 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 54.816 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:105 Resp: 471028
Ion Ratio Lower Upper
105 100
120 44.7 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 52.720 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

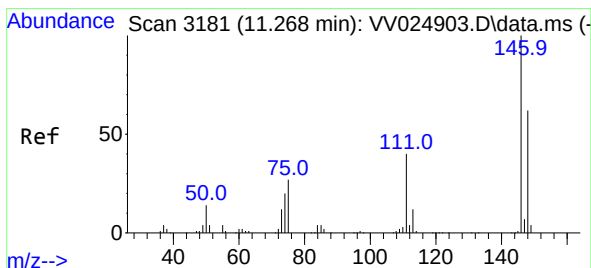
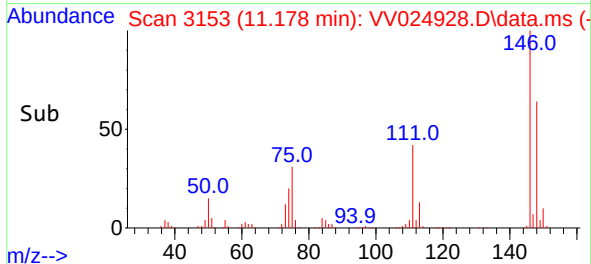
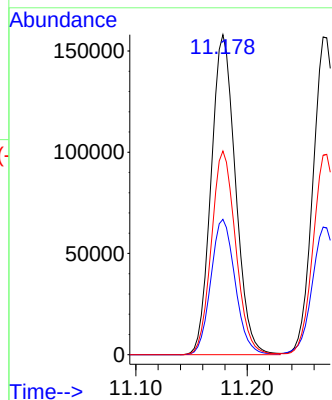
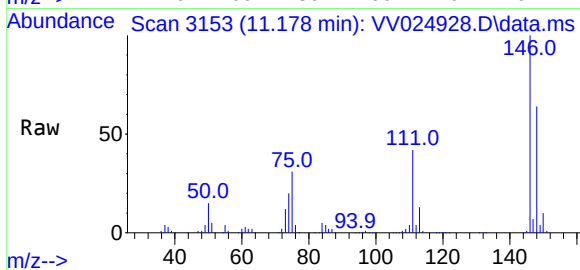
Tgt Ion:146 Resp: 240384

Ion Ratio Lower Upper

146 100

111 42.3 29.7 55.1

148 63.6 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 52.393 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

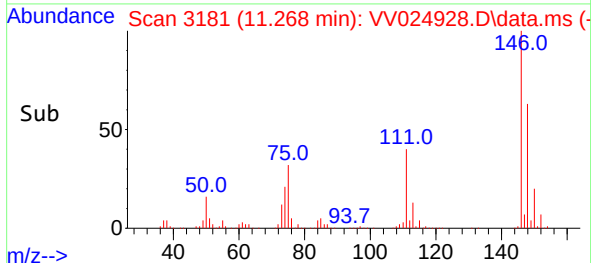
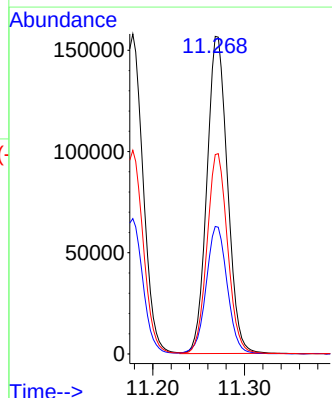
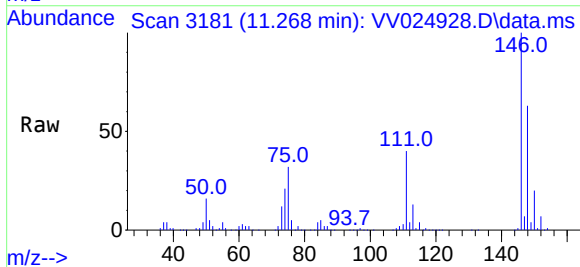
Tgt Ion:146 Resp: 244574

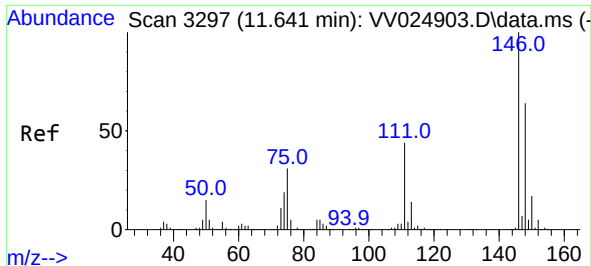
Ion Ratio Lower Upper

146 100

111 40.2 28.6 53.0

148 62.8 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 52.291 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

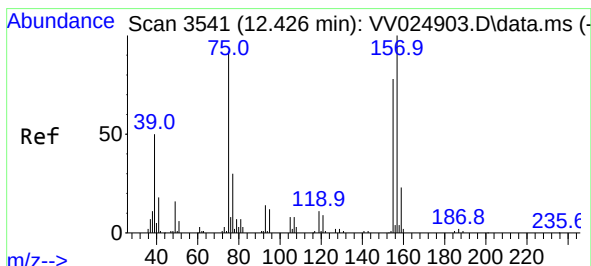
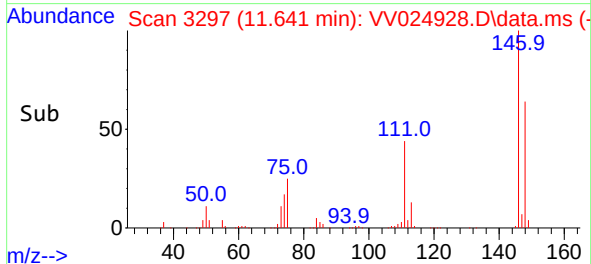
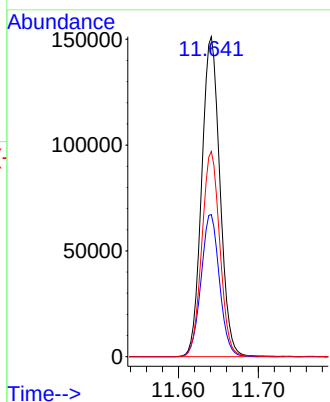
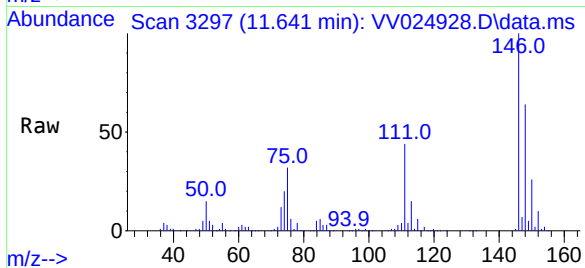
Tgt Ion:146 Resp: 239960

Ion Ratio Lower Upper

146 100

111 44.4 34.9 52.3

148 64.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 54.361 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

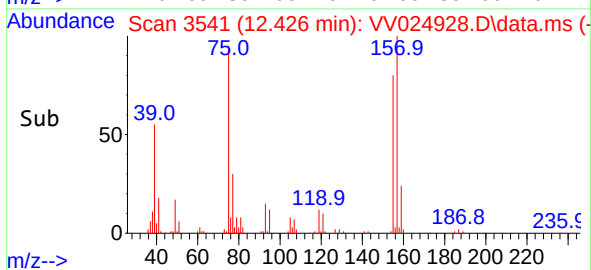
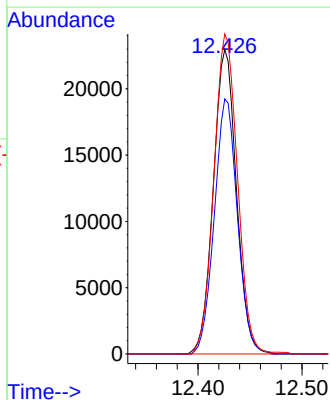
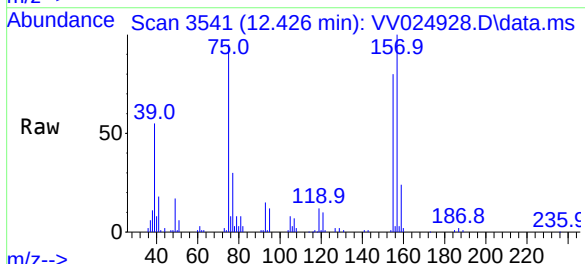
Tgt Ion: 75 Resp: 35528

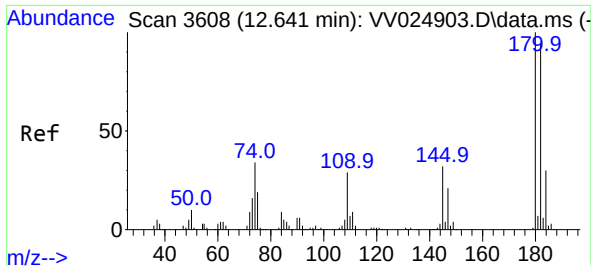
Ion Ratio Lower Upper

75 100

155 83.8 63.8 95.8

157 105.1 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 52.960 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

Tgt Ion:180 Resp: 163004

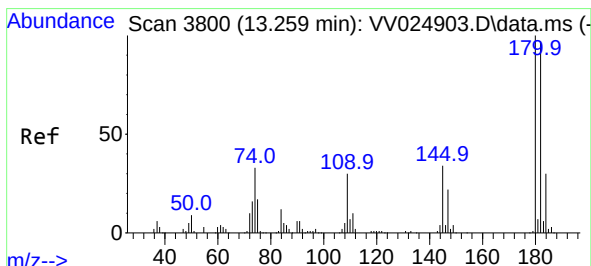
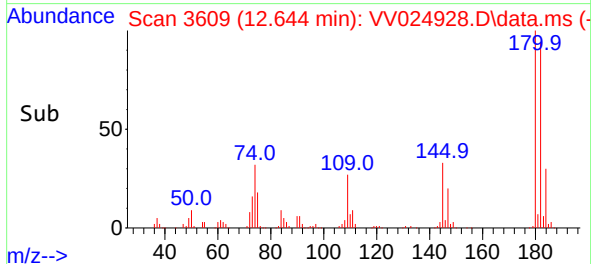
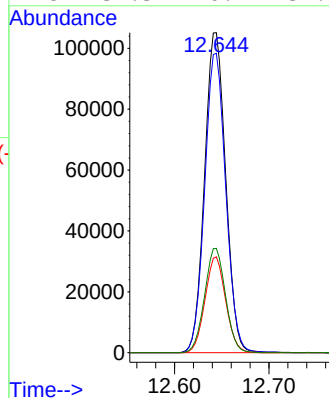
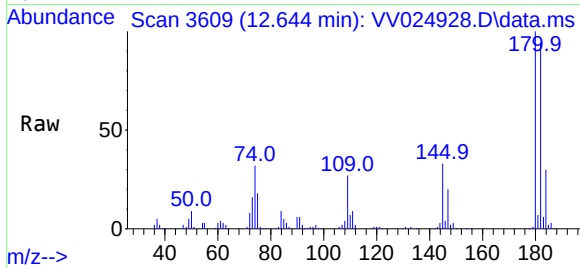
Ion Ratio Lower Upper

180 100

182 93.6 75.1 112.7

184 29.4 23.9 35.9

145 32.3 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 53.340 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024928.D

Acq: 10 Mar 2022 20:31

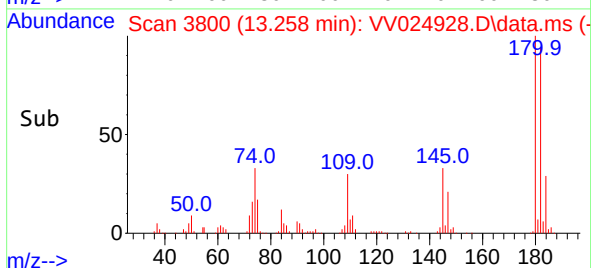
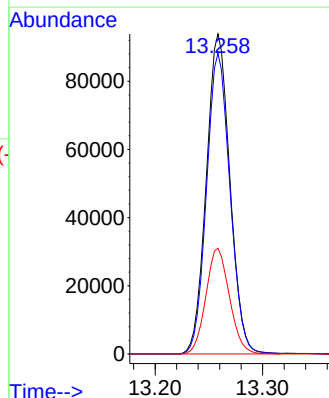
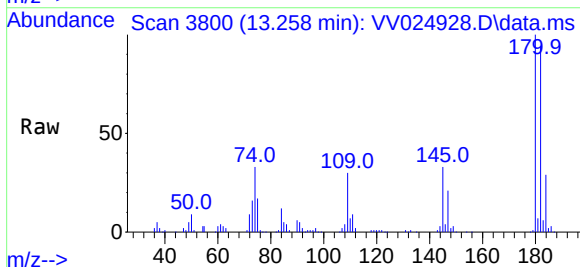
Tgt Ion:180 Resp: 143041

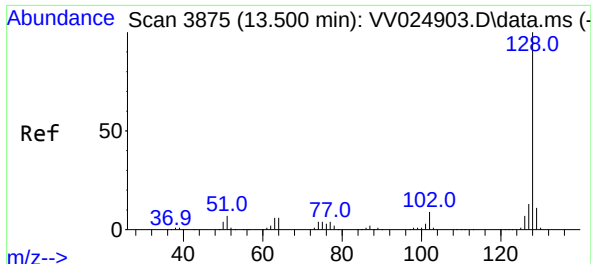
Ion Ratio Lower Upper

180 100

182 93.4 76.0 114.0

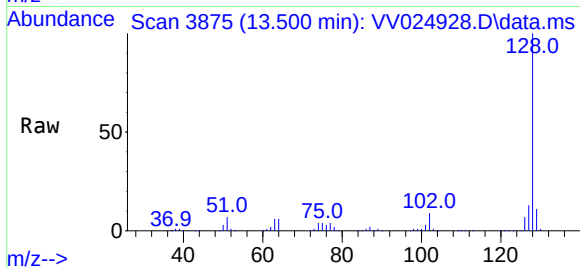
145 32.9 27.6 41.4





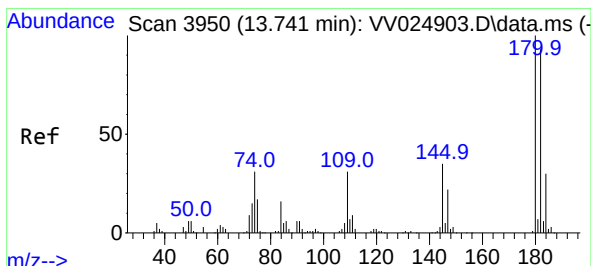
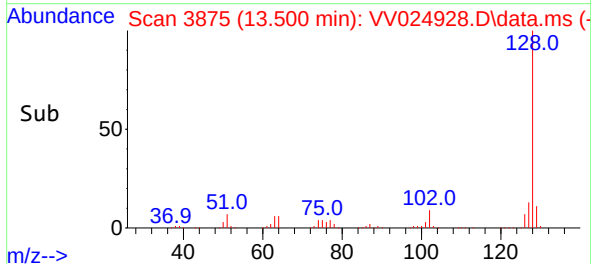
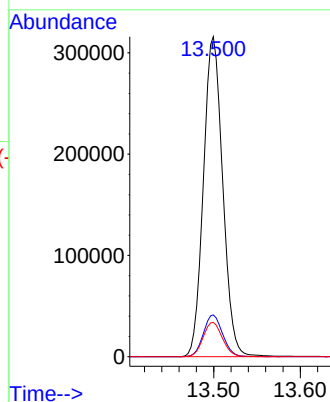
#71
Naphthalene
Concen: 56.251 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD050285



Tgt Ion:128 Resp: 488739

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.7	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.694 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV024928.D
Acq: 10 Mar 2022 20:31

Tgt Ion:180 Resp: 144631

Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.9	113.9
145	35.2	28.7	43.1

