

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070323\
 Data File : VW031641.D
 Acq On : 03 Jul 2023 16:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050383

Quant Time: Jul 04 07:10:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 04 07:06:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	235984	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	234945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	144557	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	70874	45.127	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.260%
7) Chloroethane-d5	1.532	69	64161	46.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.640%
11) 1,1-Dichloroethene-d2	2.063	65	35172	43.453	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.900%
21) 2-Butanone-d5	3.796	46	134849	106.037	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.040%
24) Chloroform-d	4.259	84	170324	43.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	4.950	65	106213	43.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
32) Benzene-d6	4.969	84	278422	42.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	5.995	67	99767	42.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.120%
41) Toluene-d8	7.249	98	248914	41.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.040%
43) trans-1,3-Dichloroprop...	7.558	79	47122	41.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.030	63	95436	103.123	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.120%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	160226	45.288	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.580%
66) 1,2-Dichlorobenzene-d4	11.567	152	107751	39.104	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	110380	44.097	ug/L	99
3) Chloromethane	1.217	50	119738	50.695	ug/L	99
5) Vinyl chloride	1.285	62	114906	49.076	ug/L	97
6) Bromomethane	1.484	94	69608	45.613	ug/L	97
8) Chloroethane	1.548	64	72773	48.122	ug/L	95
9) Trichlorofluoromethane	1.715	101	178693	45.874	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	101141	48.451	ug/L	95
12) 1,1-Dichloroethene	2.072	96	84939	48.645	ug/L	93
13) Acetone	2.117	43	101845	81.159	ug/L	95
14) Carbon disulfide	2.243	76	230495	43.640	ug/L	98
15) Methyl Acetate	2.378	43	118689	56.177	ug/L	98
16) Methylene chloride	2.452	84	98404	44.951	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	81916	44.943	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	287883	47.336	ug/L	98
19) 1,1-Dichloroethane	3.117	63	188761	47.985	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	91653	46.531	ug/L	97
22) 2-Butanone	3.876	43	153262	97.766	ug/L	96
23) Bromochloromethane	4.156	128	49944	46.908	ug/L	89
25) Chloroform	4.284	83	188765	46.161	ug/L	97

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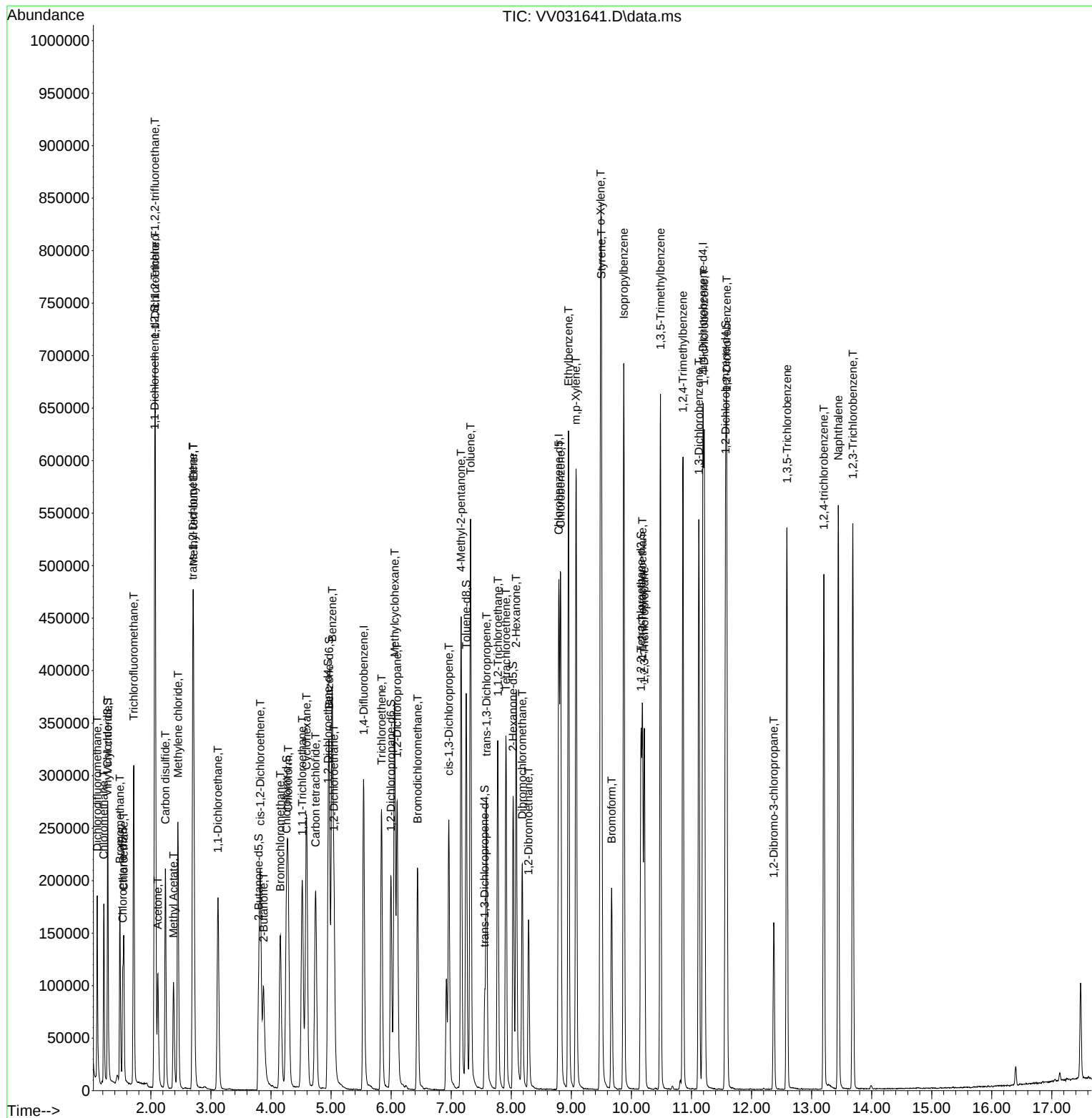
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	152673	48.374	ug/L	100
29) Cyclohexane	4.590	56	139465	45.626	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	169807	45.079	ug/L	98
31) Carbon tetrachloride	4.741	117	149852	44.898	ug/L	98
33) Benzene	5.018	78	367267	46.952	ug/L	100
34) Trichloroethene	5.841	95	95476	45.677	ug/L	91
35) Methylcyclohexane	6.059	83	140520	45.626	ug/L	99
37) 1,2-Dichloropropane	6.098	63	111394	48.496	ug/L	99
38) Bromodichloromethane	6.439	83	143426	46.197	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	157506	46.194	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	311266	115.408	ug/L	97
42) Toluene	7.323	91	387499	47.779	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	159800	48.126	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	103562	47.728	ug/L	100
46) Tetrachloroethene	7.911	164	72567	44.234	ug/L	96
48) 2-Hexanone	8.082	43	240294	111.554	ug/L	95
49) Dibromochloromethane	8.185	129	111449	46.214	ug/L	99
50) 1,2-Dibromoethane	8.288	107	107394	46.483	ug/L	98
51) Chlorobenzene	8.821	112	246220	45.838	ug/L	99
52) Ethylbenzene	8.953	91	418634	46.259	ug/L	100
53) m,p-Xylene	9.078	106	154519	46.624	ug/L	98
54) o-Xylene	9.487	106	148135	47.101	ug/L	97
55) Styrene	9.503	104	277338	49.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	169608	47.840	ug/L	98
59) Bromoform	9.670	173	84318	47.055	ug/L #	99
60) Isopropylbenzene	9.873	105	413611	44.880	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	138757	48.598	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	334573	43.925	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	311858	43.942	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	206085	44.603	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	216670	44.007	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	209021	44.822	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	42141	49.728	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	156828	44.546	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	140196	45.430	ug/L	99
71) Naphthalene	13.445	128	397387	50.839	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	149791	46.710	ug/L	97

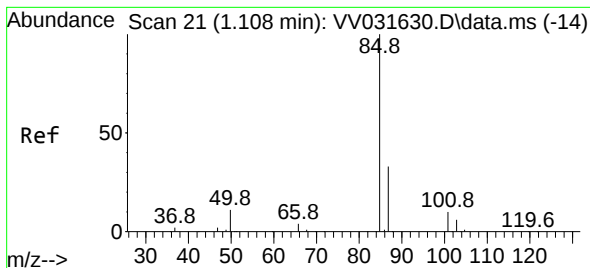
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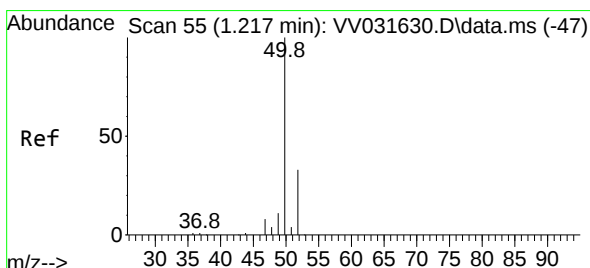
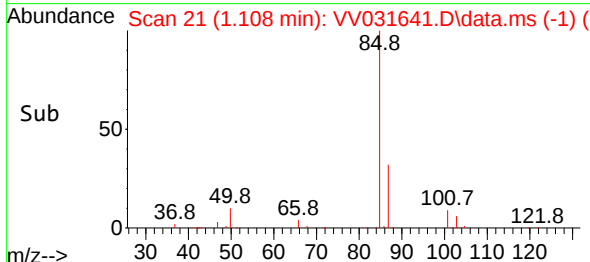
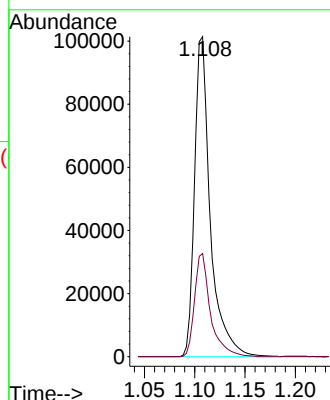
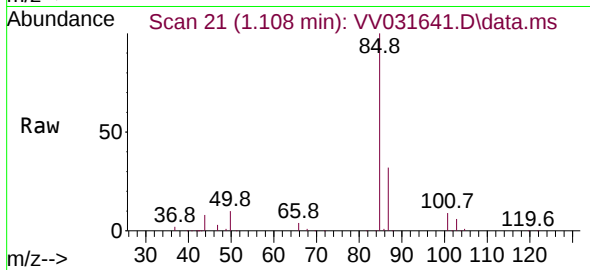




#2
 Dichlorodifluoromethane
 Concen: 44.097 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031641.D
 Acq: 03 Jul 2023 16:51

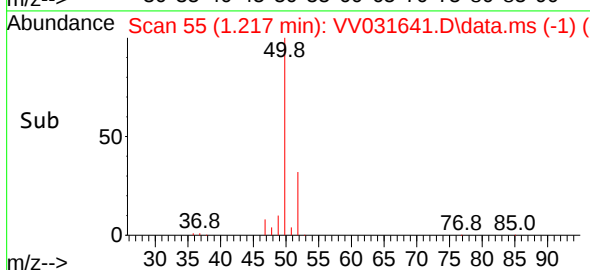
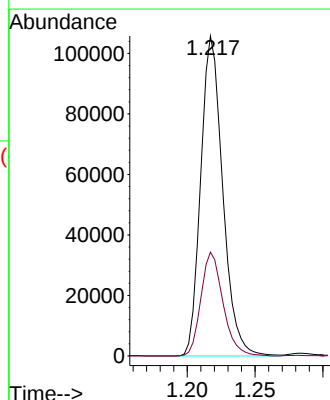
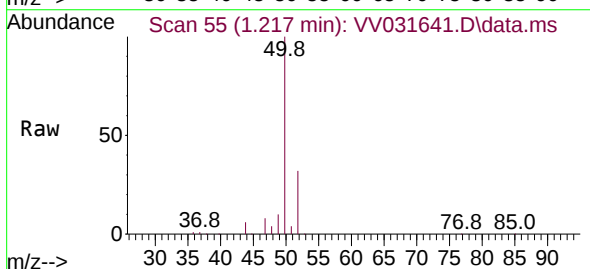
Instrument :
 MSVOA_V
 ClientSampleId :
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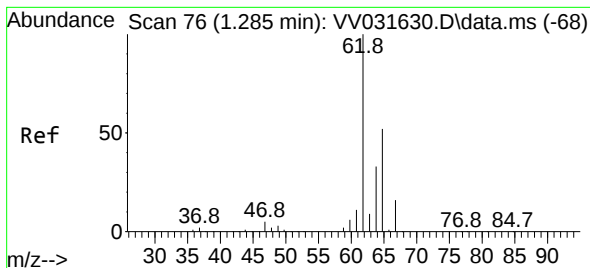
Tgt Ion: 85 Resp: 110380
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 50.695 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031641.D
 Acq: 03 Jul 2023 16:51

Tgt Ion: 50 Resp: 119738
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.3 41.5

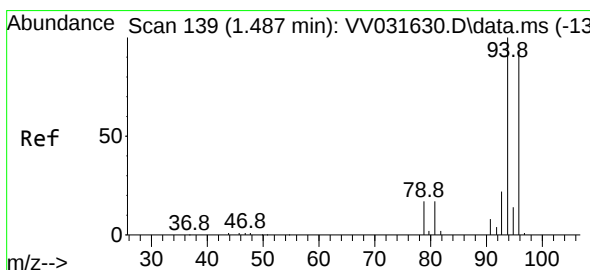
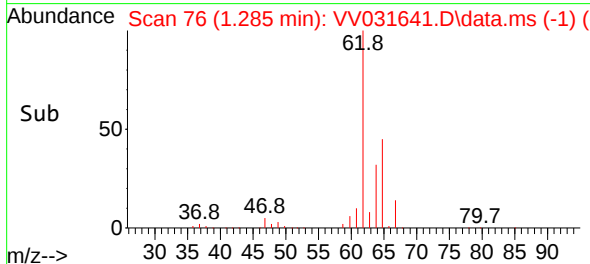
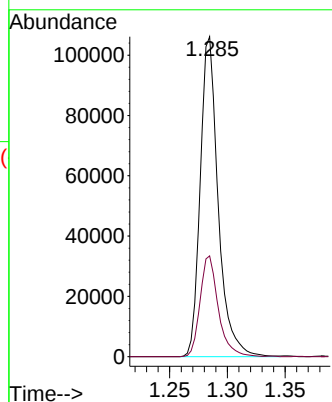
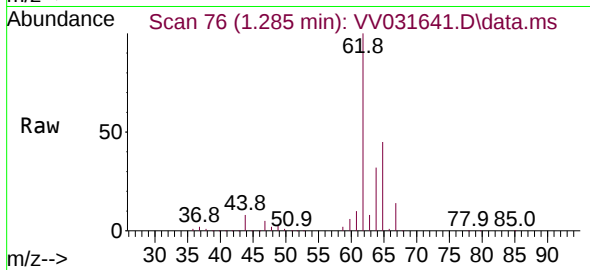




#5
 Vinyl chloride
 Concen: 49.076 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031641.D
 Acq: 03 Jul 2023 16:51

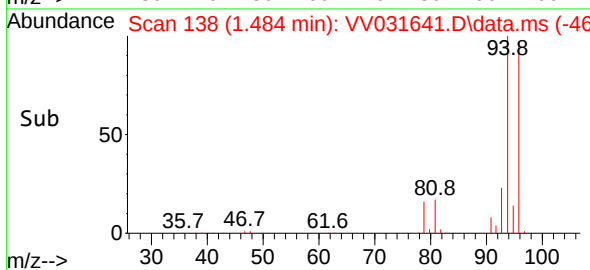
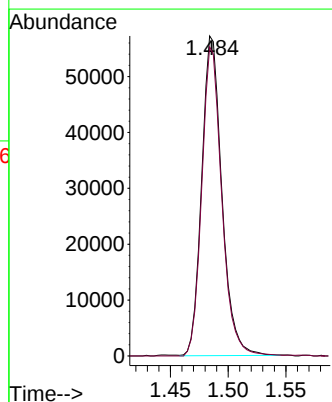
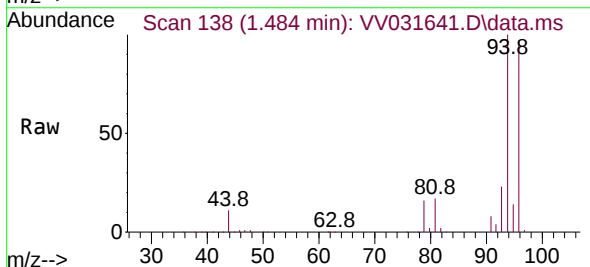
Instrument :
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 ClientSampleId :
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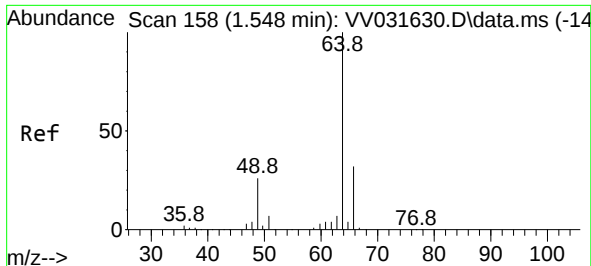
Tgt Ion: 62 Resp: 114906
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.4 43.4



#6
 Bromomethane
 Concen: 45.613 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031641.D
 Acq: 03 Jul 2023 16:51

Tgt Ion: 94 Resp: 69608
 Ion Ratio Lower Upper
 94 100
 96 96.6 65.4 121.4

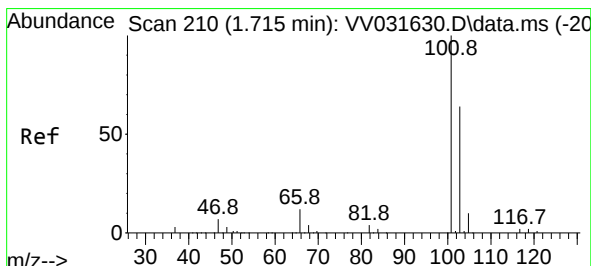
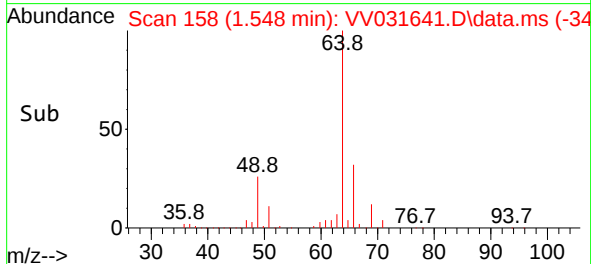
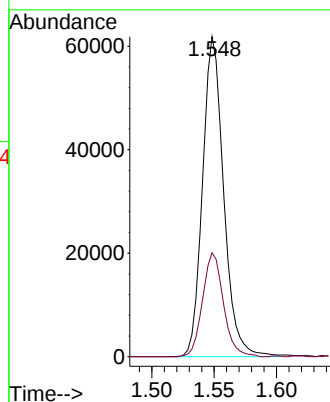
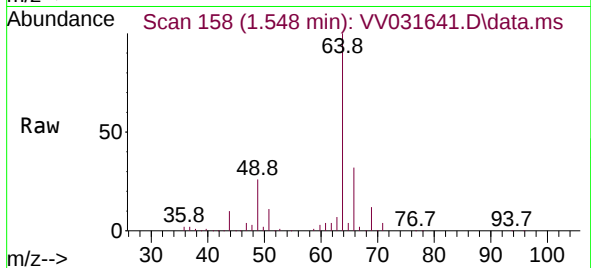




#8
Chloroethane
Concen: 48.122 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

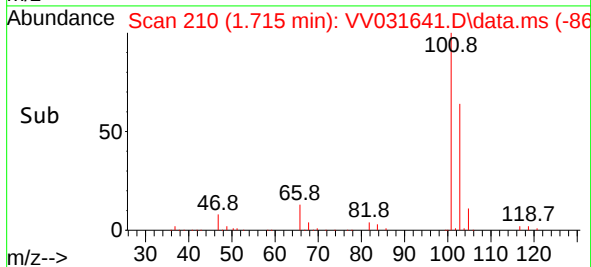
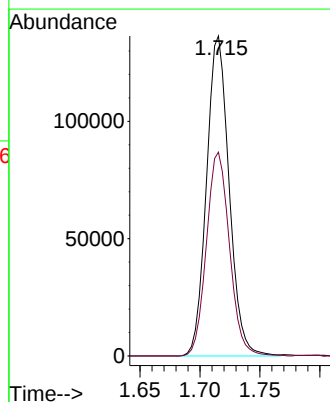
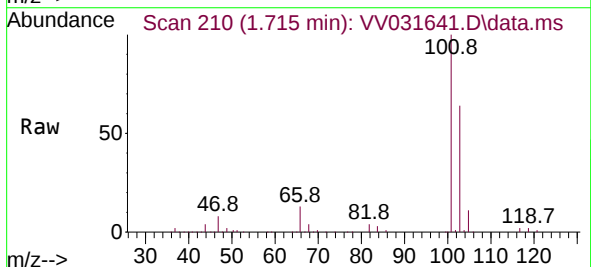
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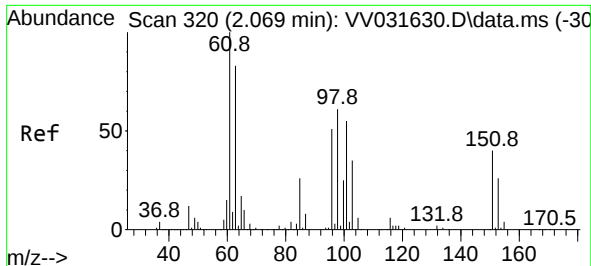
Tgt Ion: 64 Resp: 72773
Ion Ratio Lower Upper
64 100
66 32.5 21.0 39.0



#9
Trichlorofluoromethane
Concen: 45.874 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion:101 Resp: 178693
Ion Ratio Lower Upper
101 100
103 65.0 50.9 76.3





#10

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

Concen: 48.451 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

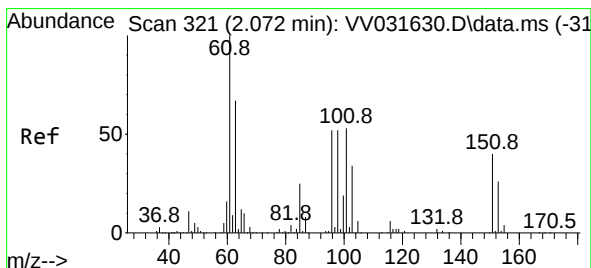
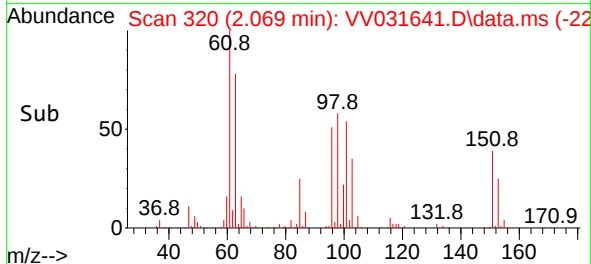
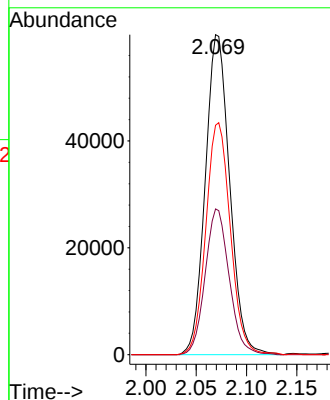
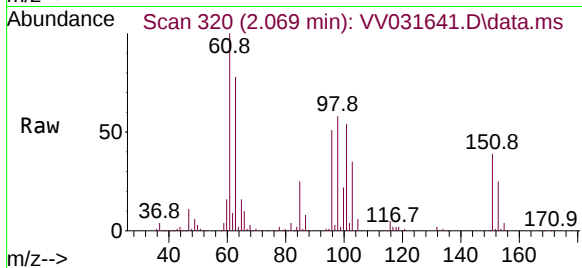
Tgt Ion:101 Resp: 101141

Ion Ratio Lower Upper

101 100

85 44.8 37.4 56.0

151 73.0 62.3 93.5



#12

1,1-Dichloroethene

Concen: 48.645 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

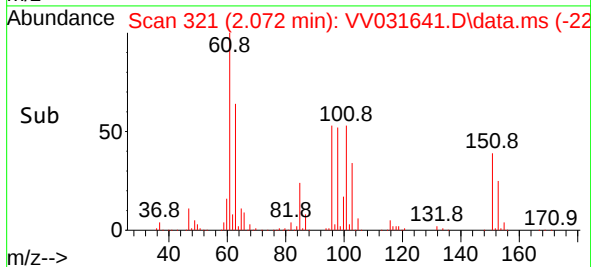
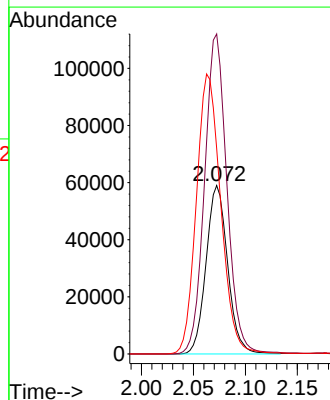
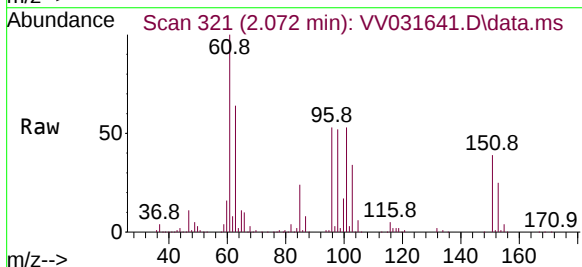
Tgt Ion: 96 Resp: 84939

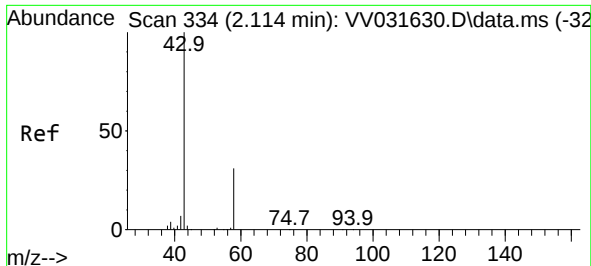
Ion Ratio Lower Upper

96 100

61 189.8 128.9 239.5

63 121.8 95.3 177.1





#13

Acetone

Concen: 81.159 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

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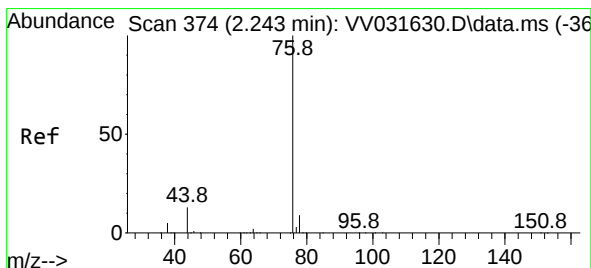
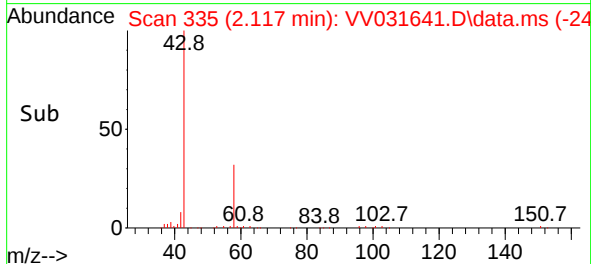
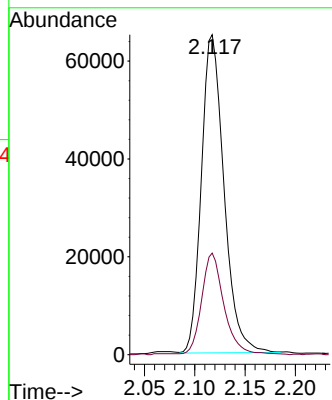
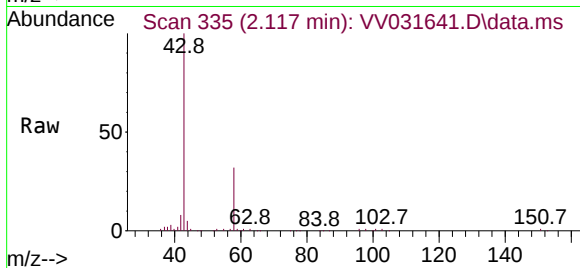
VSTD050383

Tgt Ion: 43 Resp: 101845

Ion Ratio Lower Upper

43 100

58 31.6 0.0 68.6



#14

Carbon disulfide

Concen: 43.640 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

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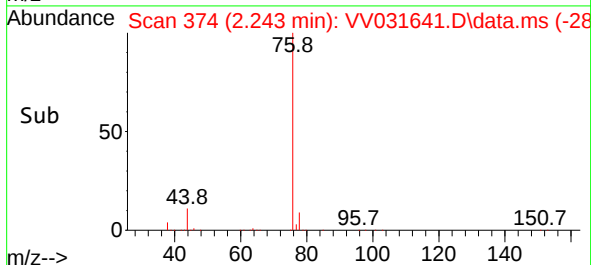
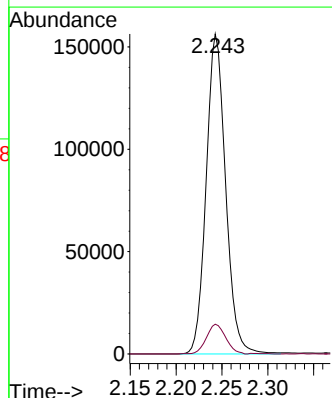
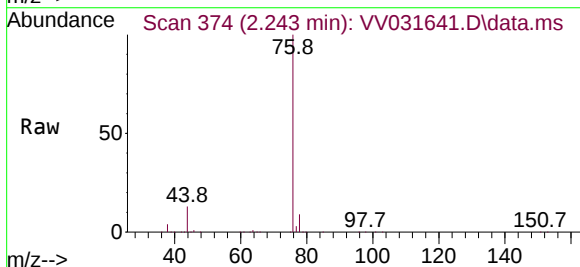
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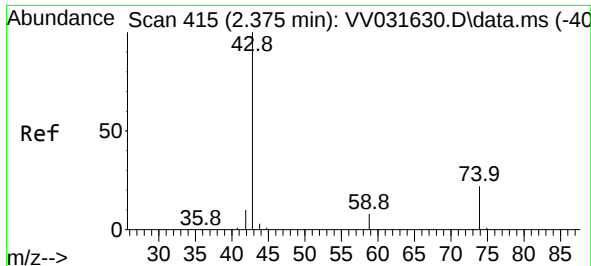
Tgt Ion: 76 Resp: 230495

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

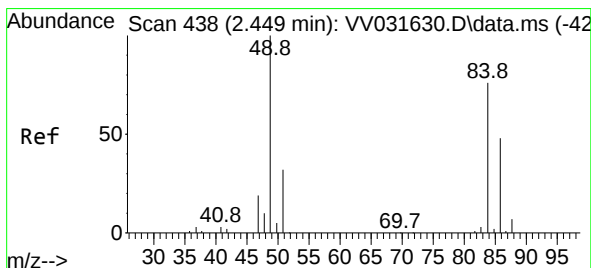
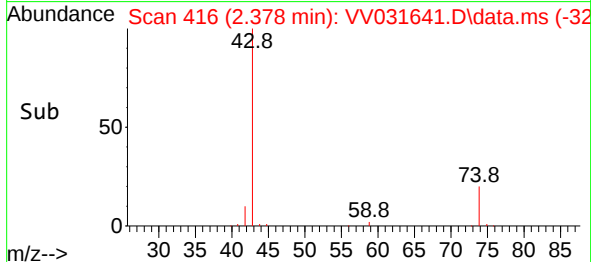
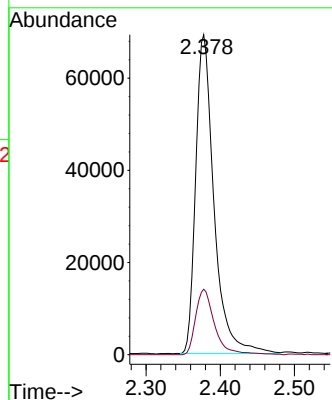
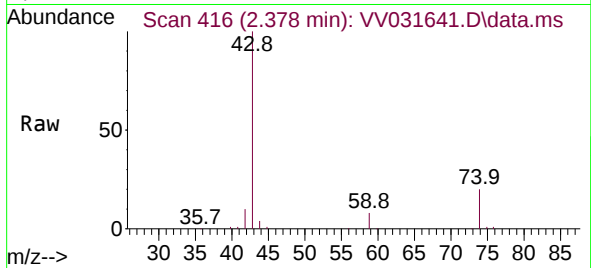




#15
Methyl Acetate
Concen: 56.177 ug/L
RT: 2.378 min Scan# 415
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

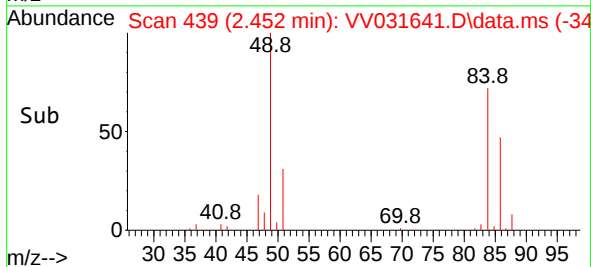
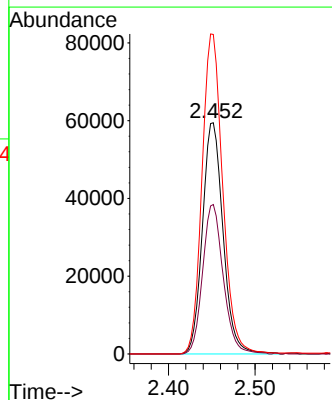
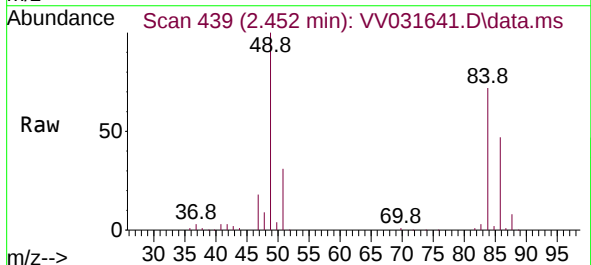
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

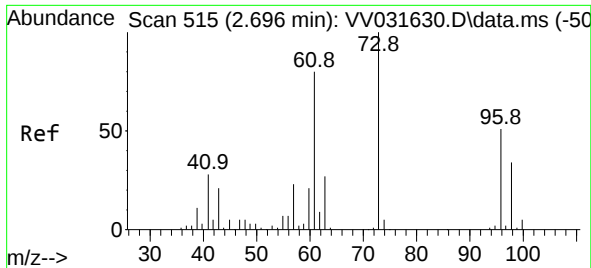
Tgt Ion: 43 Resp: 118689
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.6



#16
Methylene chloride
Concen: 44.951 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 84 Resp: 98404
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.0
49 138.2 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 44.943 ug/L

RT: 2.699 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

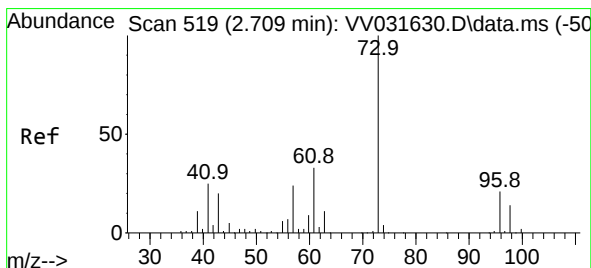
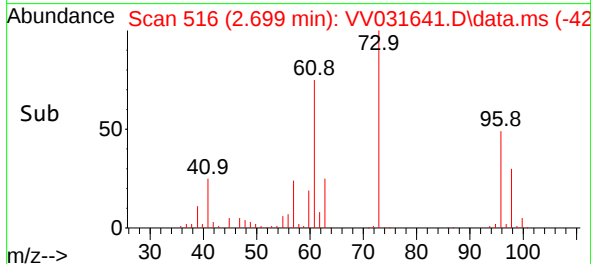
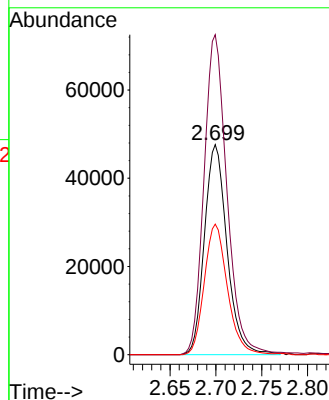
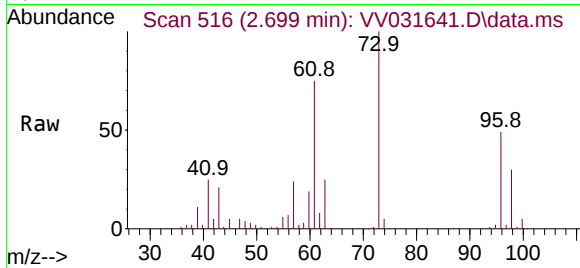
Tgt Ion: 96 Resp: 81916

Ion Ratio Lower Upper

96 100

61 152.4 102.5 190.3

98 62.1 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 47.336 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

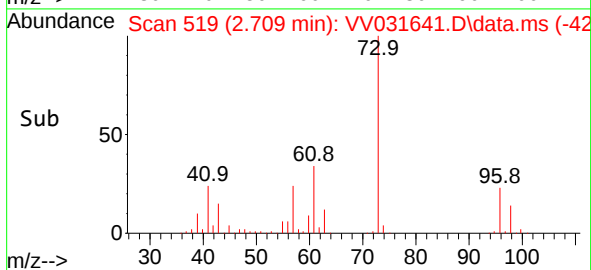
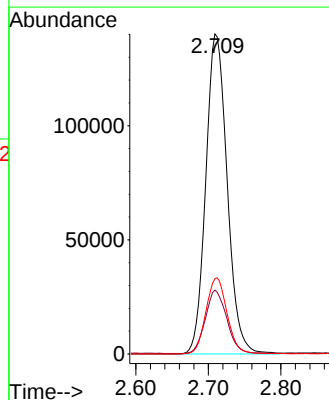
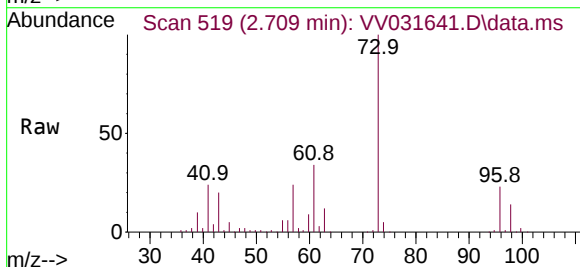
Tgt Ion: 73 Resp: 287883

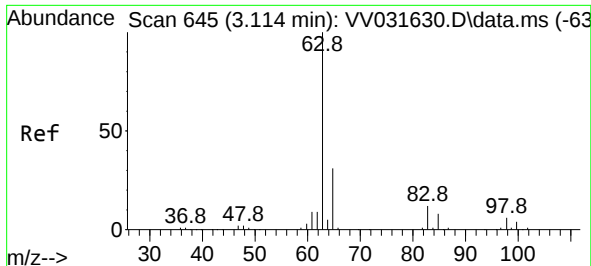
Ion Ratio Lower Upper

73 100

43 19.8 15.0 22.4

57 23.5 18.2 27.4





#19

1,1-Dichloroethane

Concen: 47.985 ug/L

RT: 3.117 min Scan# 645

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

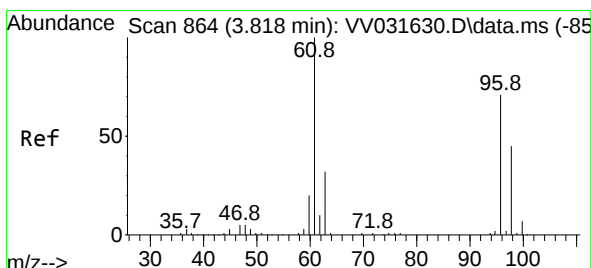
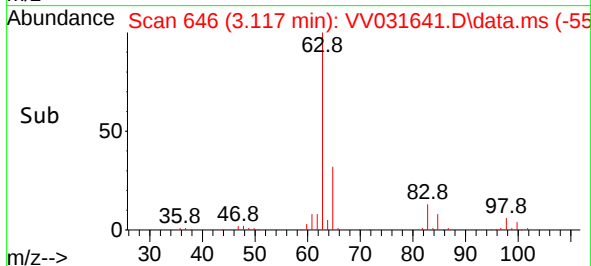
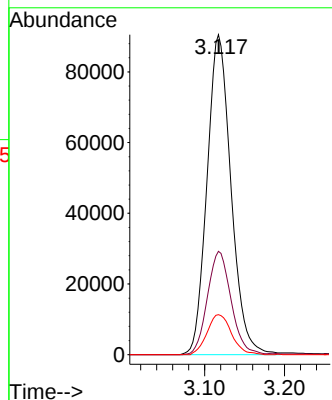
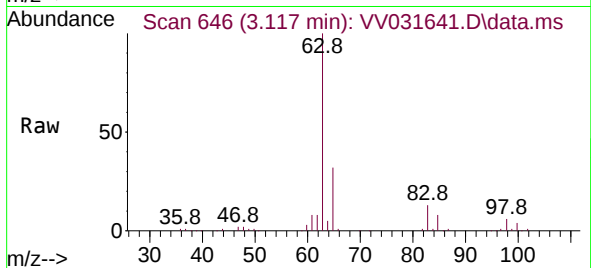
Tgt Ion: 63 Resp: 188761

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

83 12.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.531 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

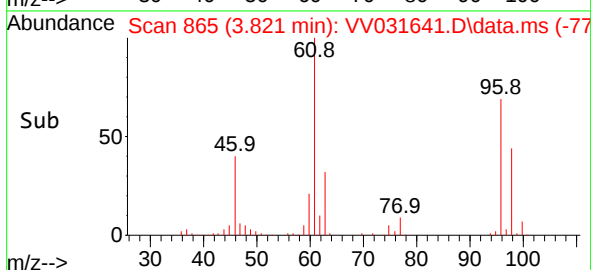
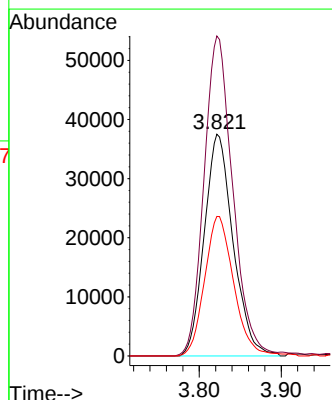
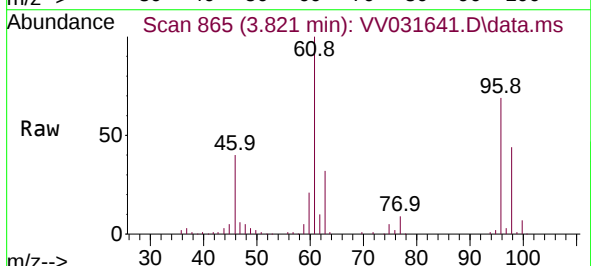
Tgt Ion: 96 Resp: 91653

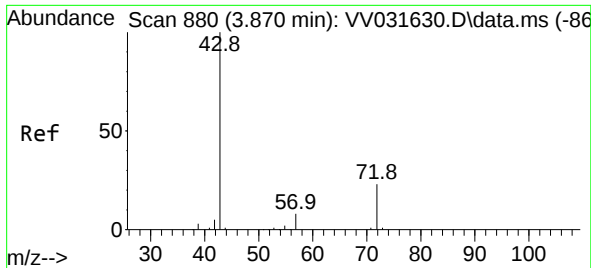
Ion Ratio Lower Upper

96 100

61 144.3 98.6 183.0

98 62.9 45.7 84.9

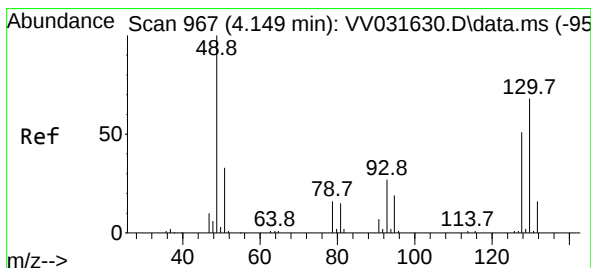
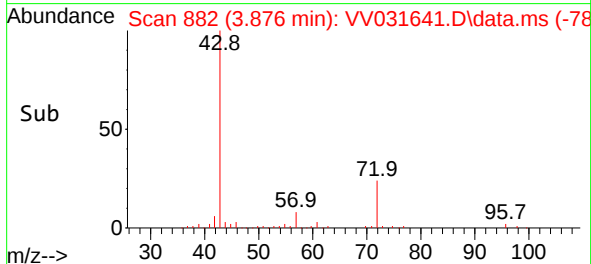
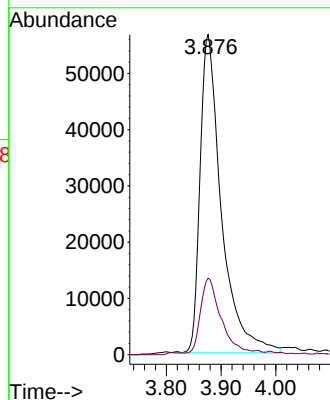
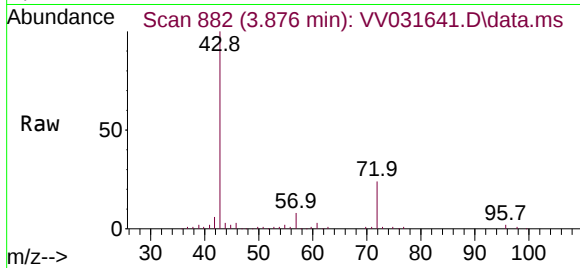




#22
2-Butanone
Concen: 97.766 ug/L
RT: 3.876 min Scan# 880
Delta R.T. 0.006 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

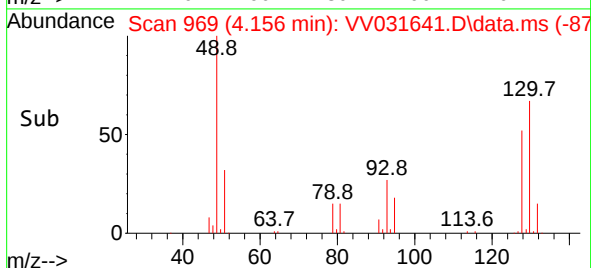
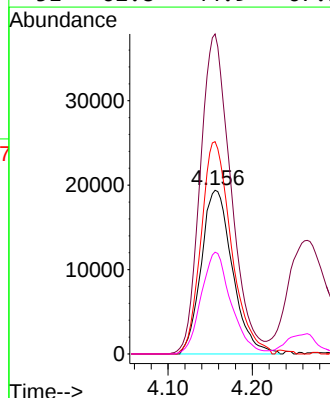
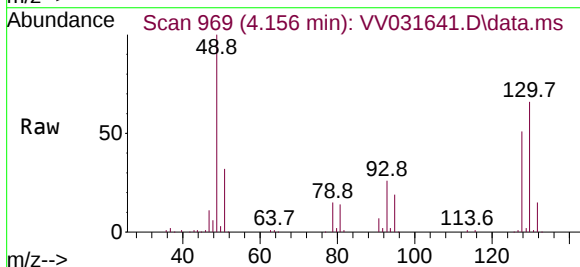
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

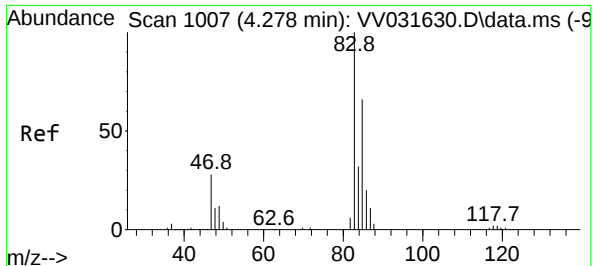
Tgt Ion: 43 Resp: 153262
Ion Ratio Lower Upper
43 100
72 22.2 12.2 36.4



#23
Bromochloromethane
Concen: 46.908 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.006 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion:128 Resp: 49944
Ion Ratio Lower Upper
128 100
49 195.5 120.6 224.0
130 131.8 88.1 163.7
51 62.8 44.9 67.3





#25

Chloroform

Concen: 46.161 ug/L

RT: 4.284 min Scan# 1007

Delta R.T. 0.006 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

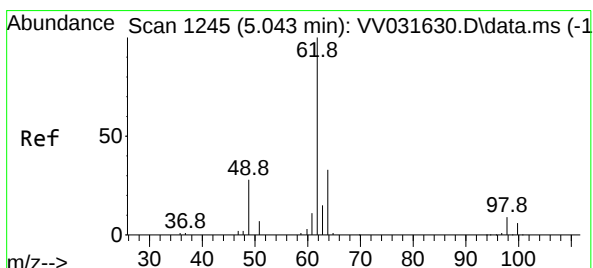
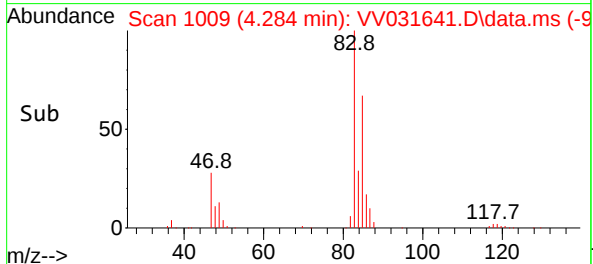
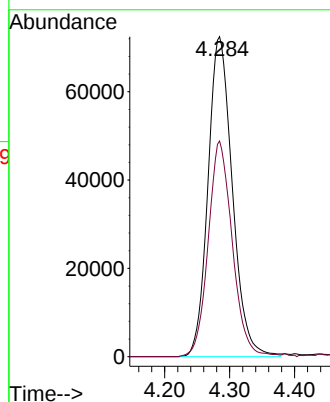
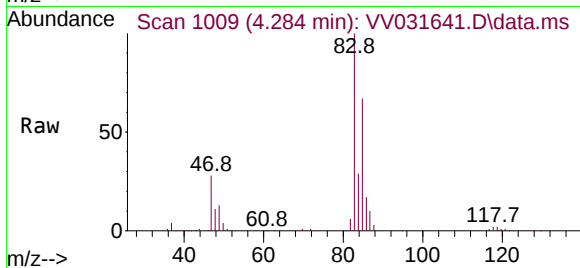
VSTD050383

Tgt Ion: 83 Resp: 188765

Ion Ratio Lower Upper

83 100

85 67.4 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.374 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.006 min

Lab File: VV031641.D

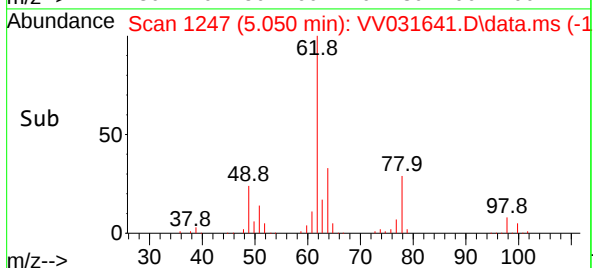
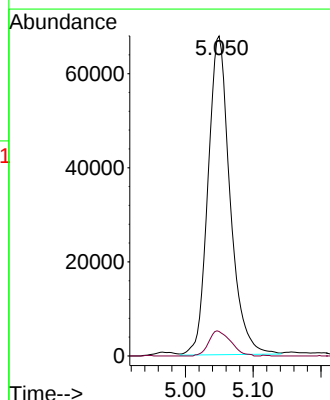
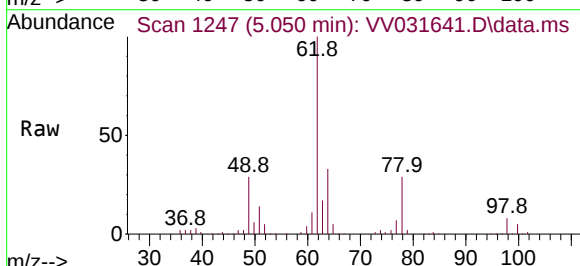
Acq: 03 Jul 2023 16:51

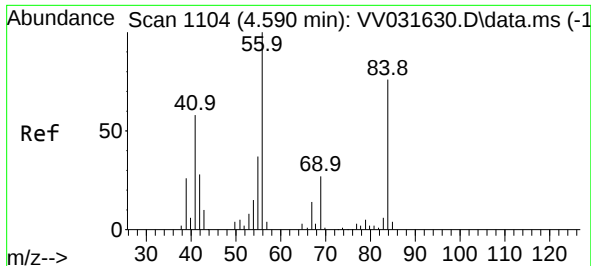
Tgt Ion: 62 Resp: 152673

Ion Ratio Lower Upper

62 100

98 8.1 6.6 9.8





#29

Cyclohexane

Concen: 45.626 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

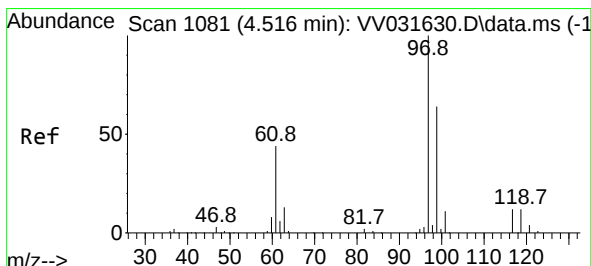
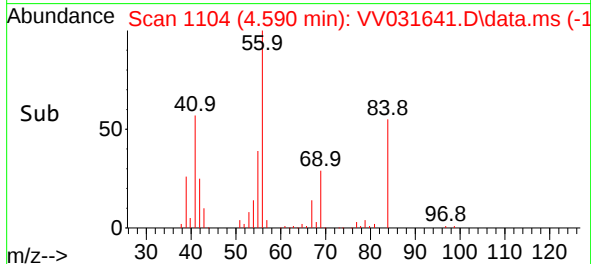
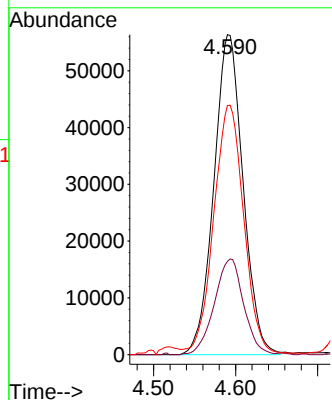
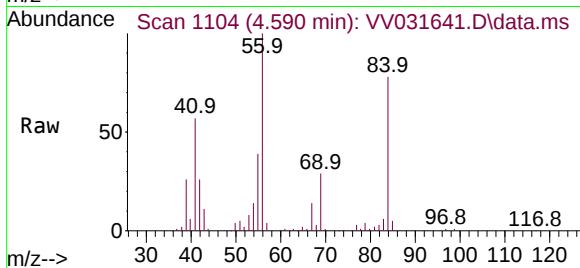
Tgt Ion: 56 Resp: 139465

Ion Ratio Lower Upper

56 100

69 30.0 24.3 36.5

84 80.3 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 45.079 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

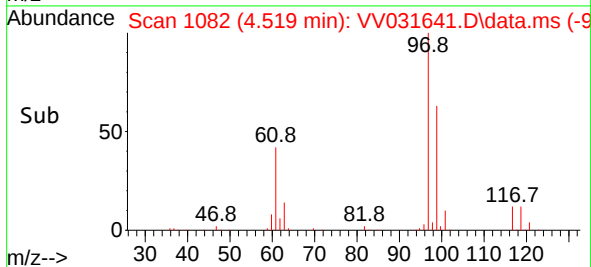
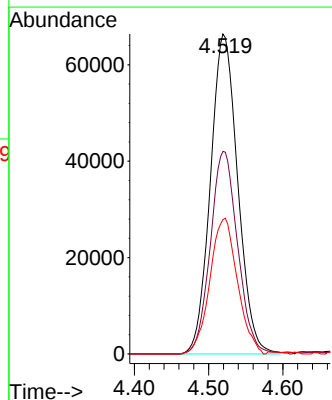
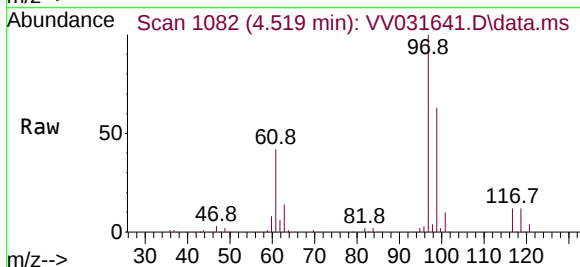
Tgt Ion: 97 Resp: 169807

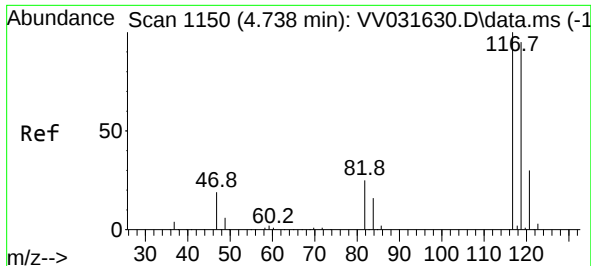
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 42.8 33.0 49.6

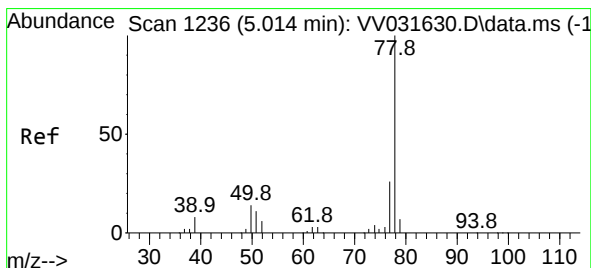
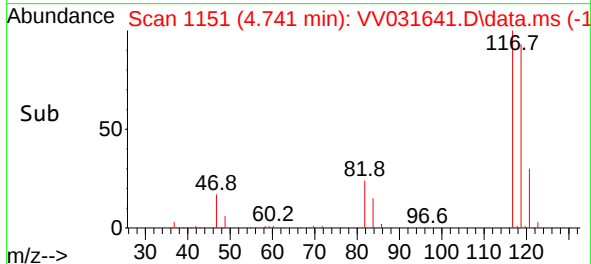
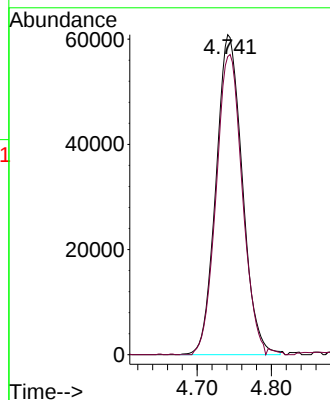
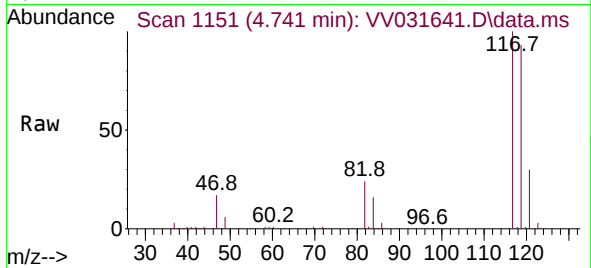




#31
Carbon tetrachloride
Concen: 44.898 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

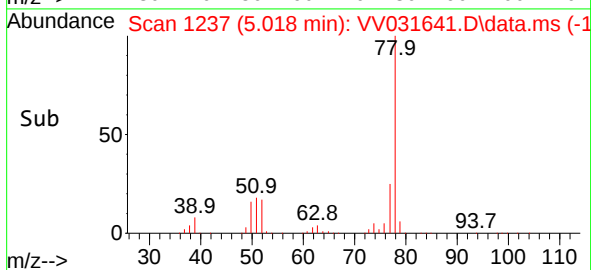
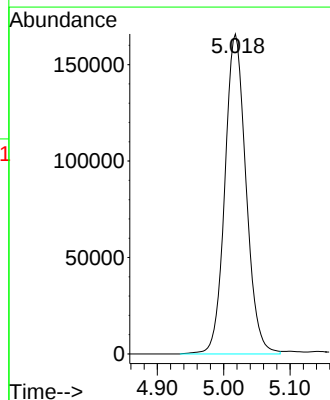
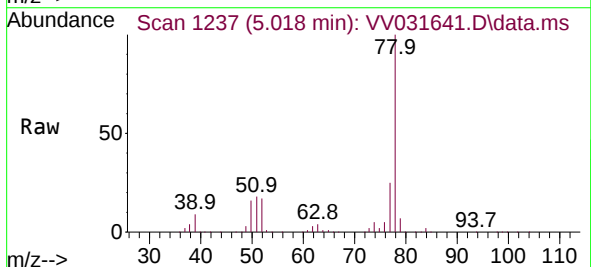
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

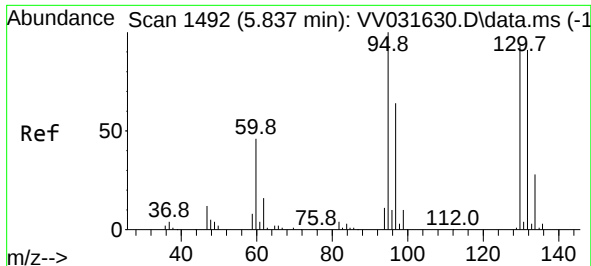
Tgt Ion:117 Resp: 149852
Ion Ratio Lower Upper
117 100
119 93.2 76.2 114.4



#33
Benzene
Concen: 46.952 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 78 Resp: 367267



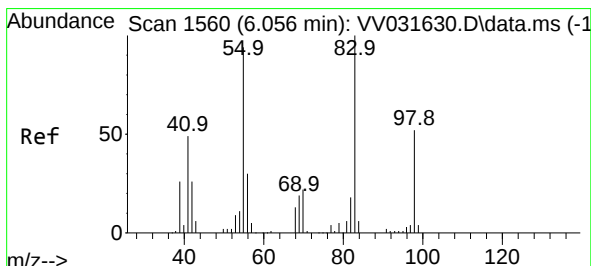
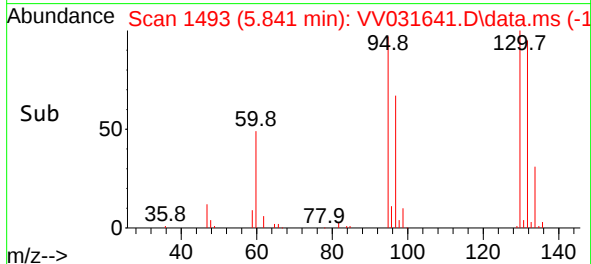
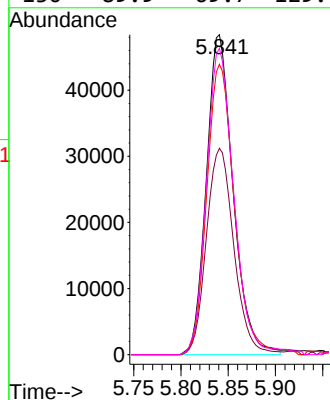
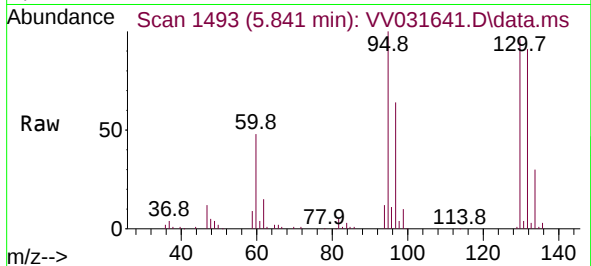


#34
Trichloroethene
Concen: 45.677 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 95 Resp: 95476

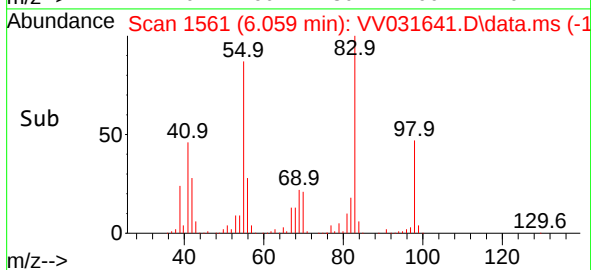
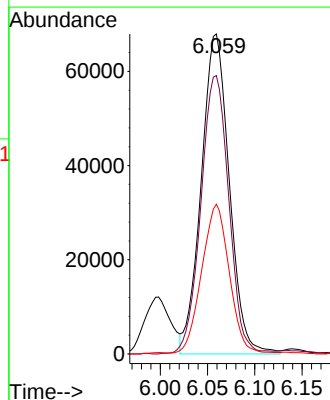
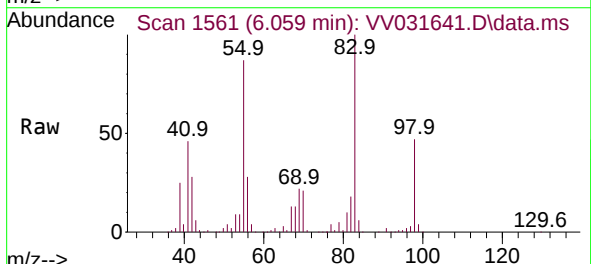
Ion	Ratio	Lower	Upper
95	100		
97	61.3	46.8	86.8
132	84.6	66.4	123.2
130	89.9	69.7	129.4

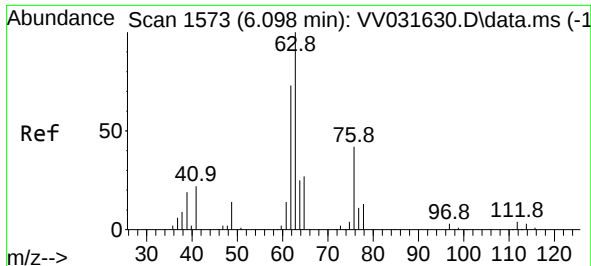


#35
Methylcyclohexane
Concen: 45.626 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 83 Resp: 140520

Ion	Ratio	Lower	Upper
83	100		
55	86.3	68.7	103.1
98	45.6	37.0	55.4





#37

1,2-Dichloropropane

Concen: 48.496 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

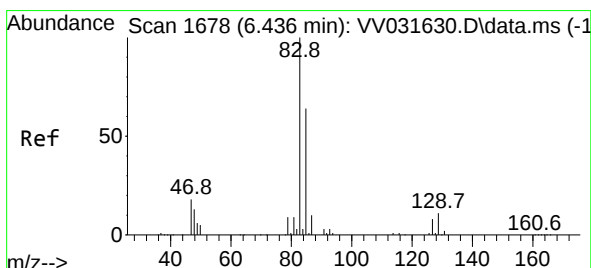
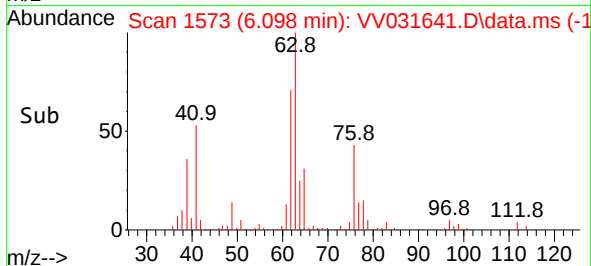
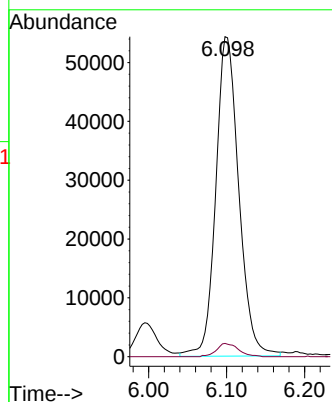
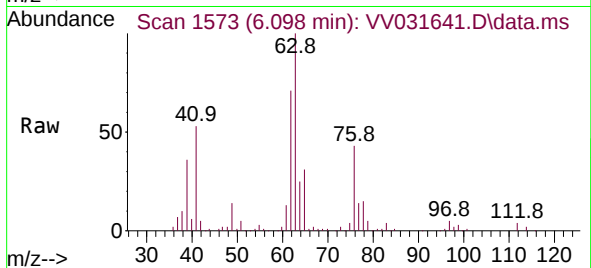
VSTD050383

Tgt Ion: 63 Resp: 111394

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 46.197 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

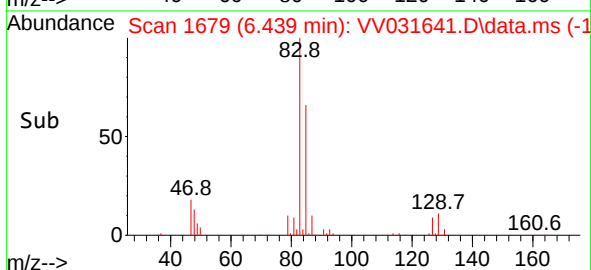
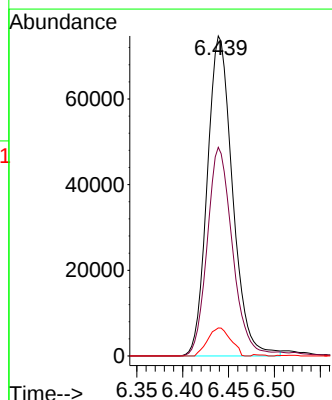
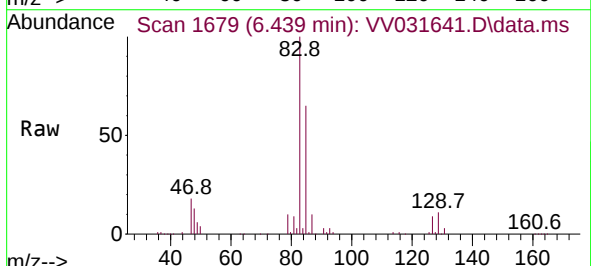
Tgt Ion: 83 Resp: 143426

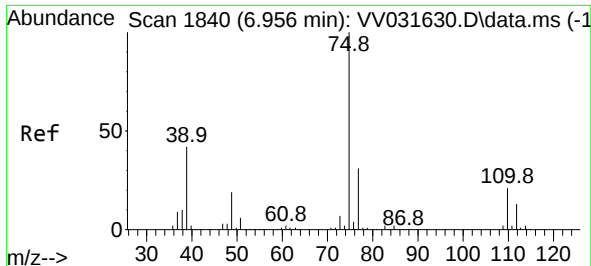
Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 46.194 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

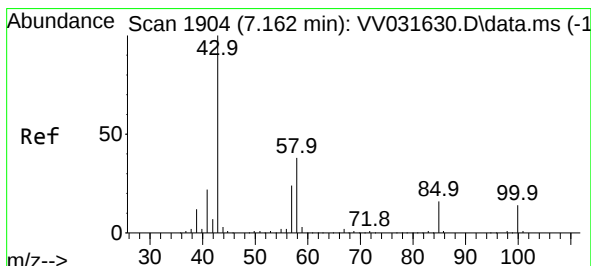
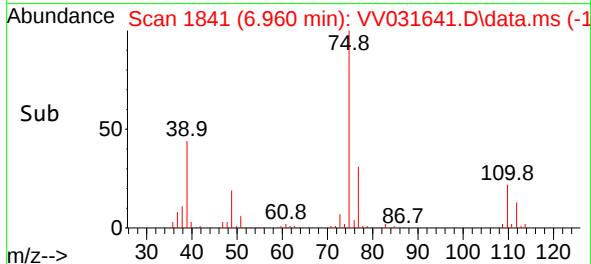
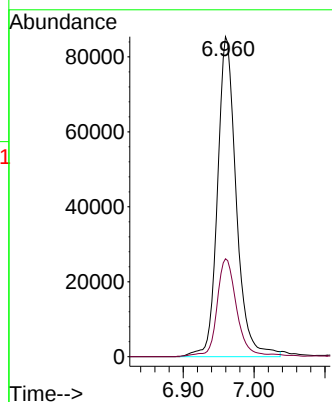
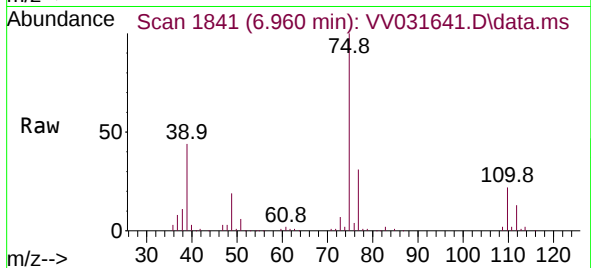
VSTD050383

Tgt Ion: 75 Resp: 157506

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 115.408 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

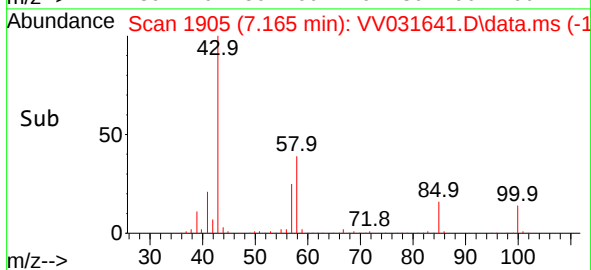
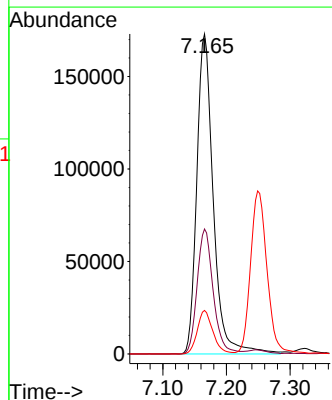
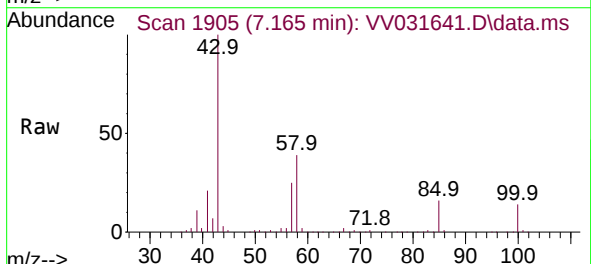
Tgt Ion: 43 Resp: 311266

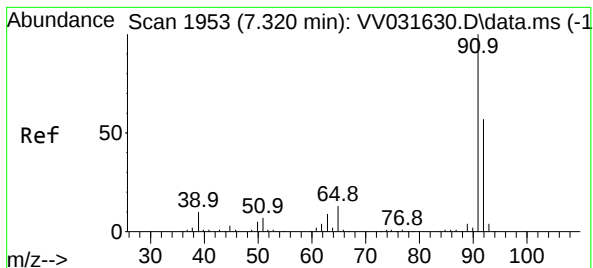
Ion Ratio Lower Upper

43 100

58 38.0 31.8 47.8

100 12.9 11.1 16.7





#42

Toluene

Concen: 47.779 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

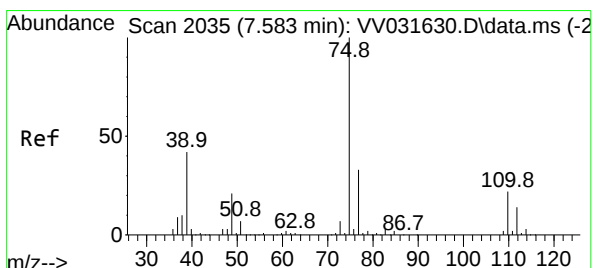
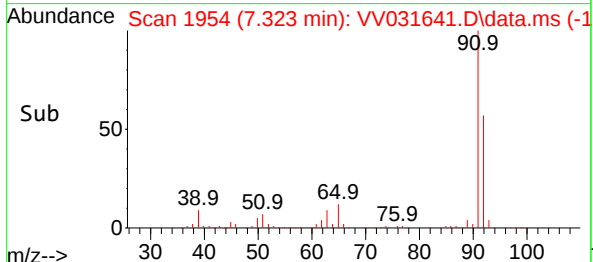
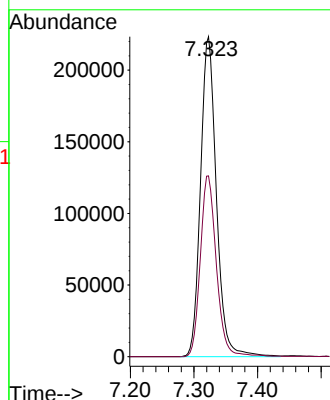
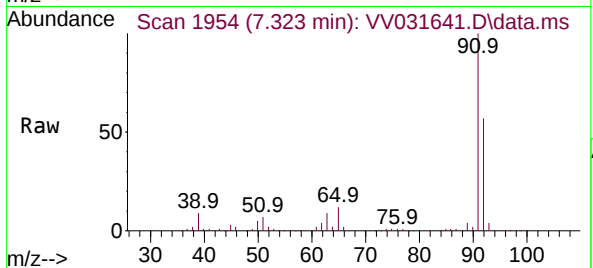
VSTD050383

Tgt Ion: 91 Resp: 387499

Ion Ratio Lower Upper

91 100

92 56.5 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.126 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031641.D

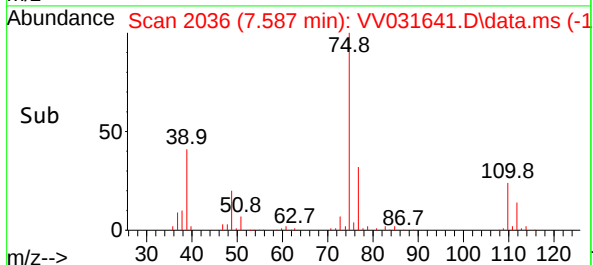
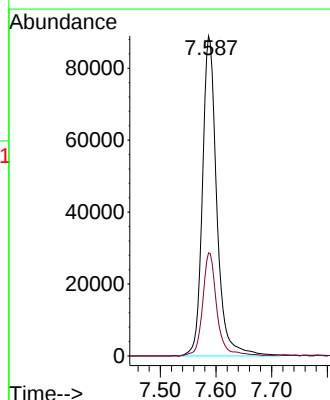
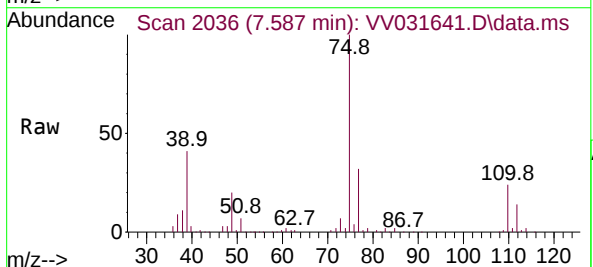
Acq: 03 Jul 2023 16:51

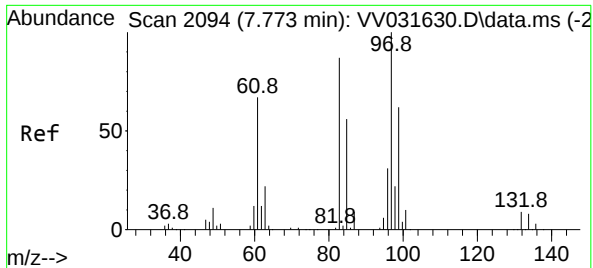
Tgt Ion: 75 Resp: 159800

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



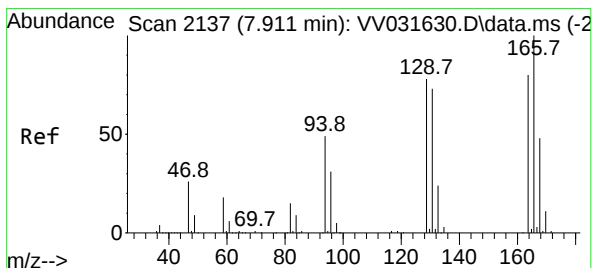
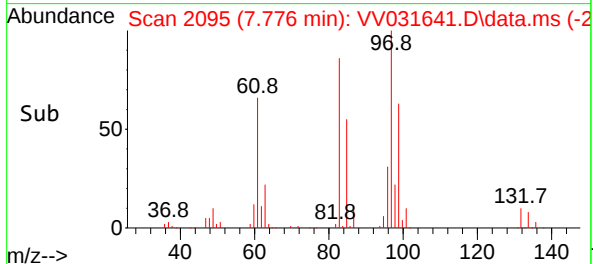
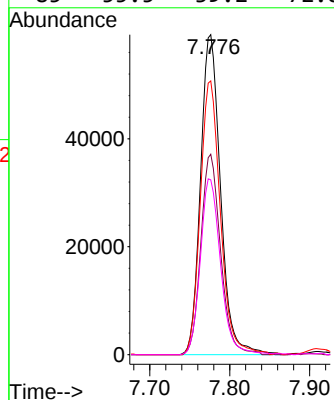
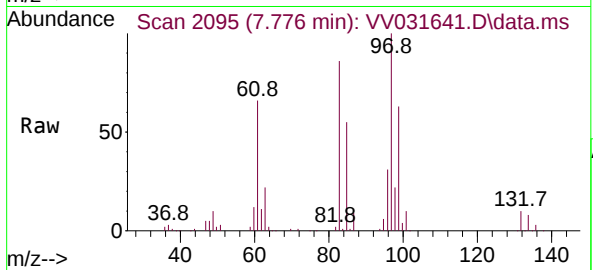


#45
1,1,2-Trichloroethane
Concen: 47.728 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 97 Resp: 103562

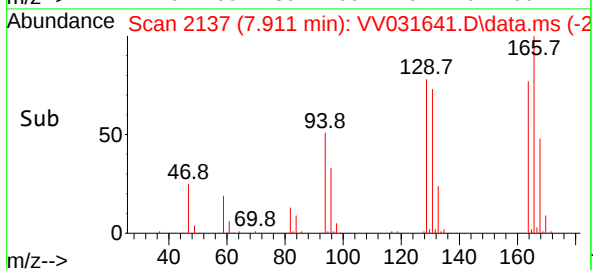
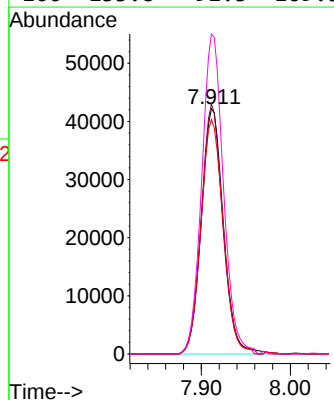
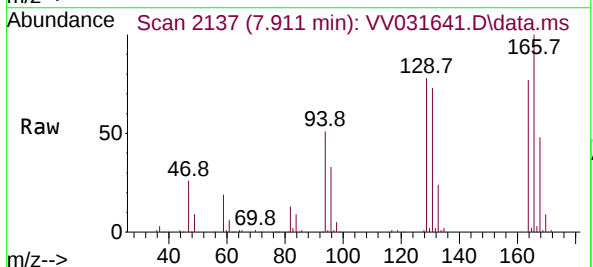
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.7	81.1
83	87.0	60.9	113.1
85	55.5	39.2	72.8

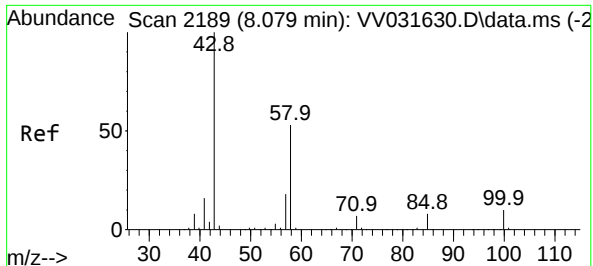


#46
Tetrachloroethene
Concen: 44.234 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 164 Resp: 72567

Ion	Ratio	Lower	Upper
164	100		
129	104.2	68.4	127.0
131	98.0	67.6	125.6
166	133.8	91.3	169.5



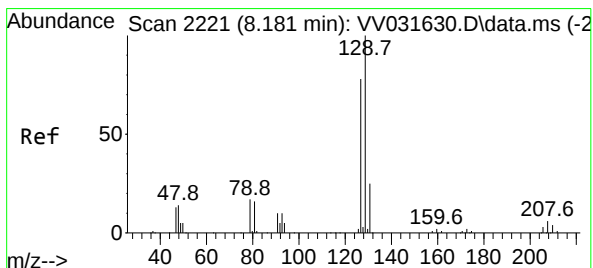
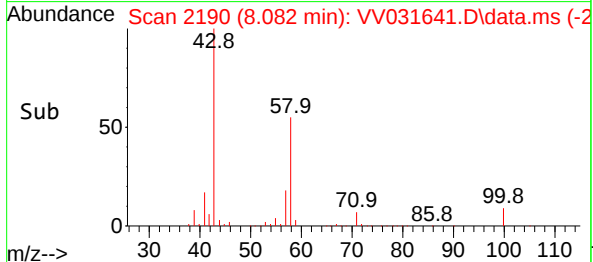
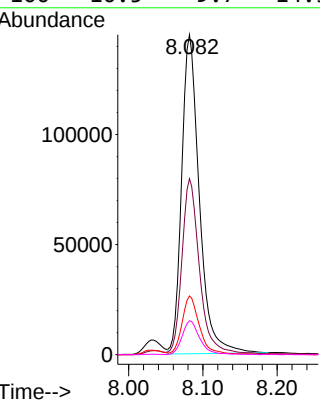
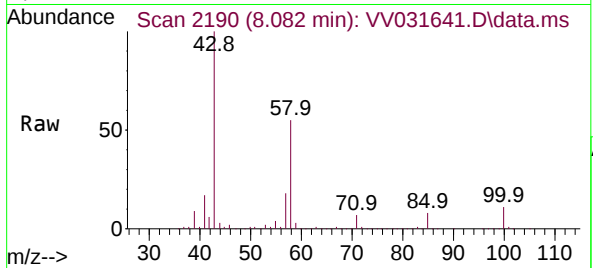


#48
2-Hexanone
Concen: 111.554 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 43 Resp: 240294

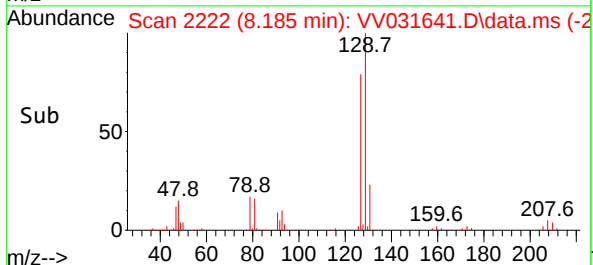
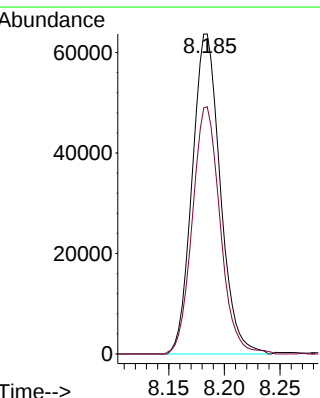
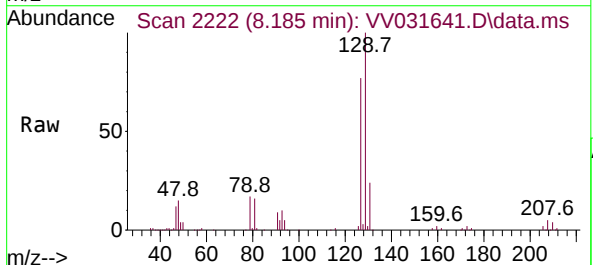
Ion	Ratio	Lower	Upper
43	100		
58	54.7	46.7	70.1
57	17.7	15.5	23.3
100	10.5	9.7	14.5

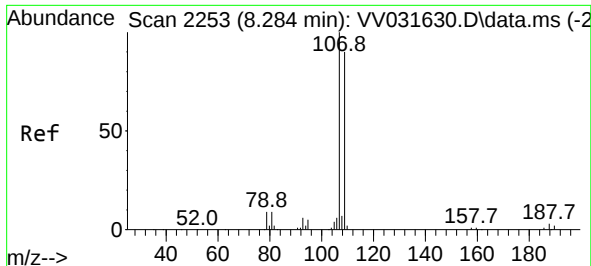


#49
Dibromochloromethane
Concen: 46.214 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 129 Resp: 111449

Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.8	103.6





#50

1,2-Dibromoethane

Concen: 46.483 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

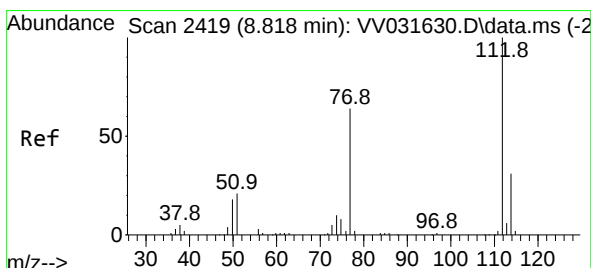
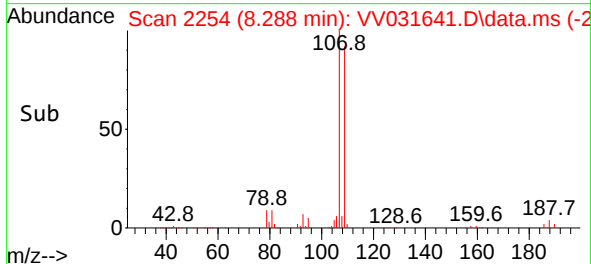
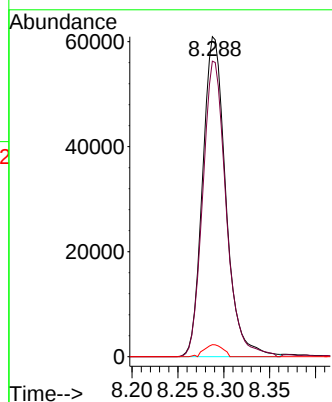
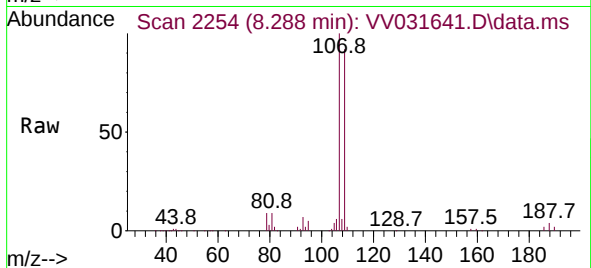
Tgt Ion:107 Resp: 107394

Ion Ratio Lower Upper

107 100

109 92.4 65.7 122.1

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 45.838 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

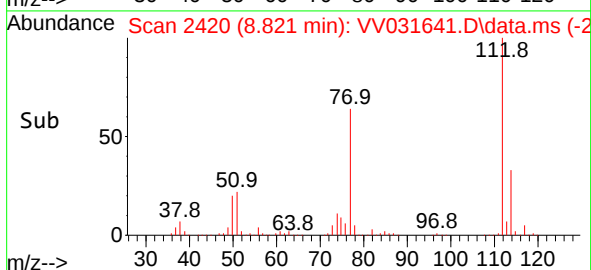
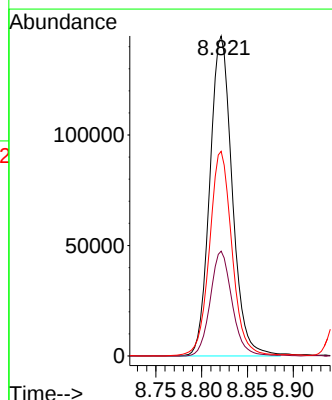
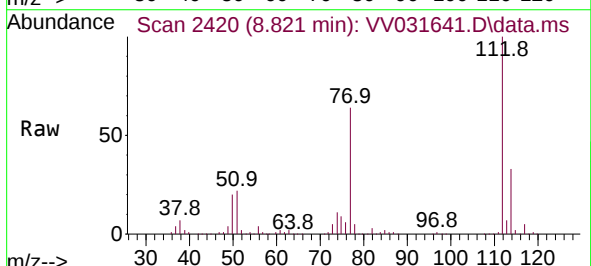
Tgt Ion:112 Resp: 246220

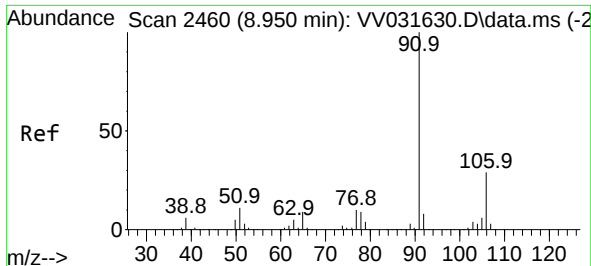
Ion Ratio Lower Upper

112 100

114 32.7 22.9 42.5

77 63.9 52.5 78.7





#52

Ethylbenzene

Concen: 46.259 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

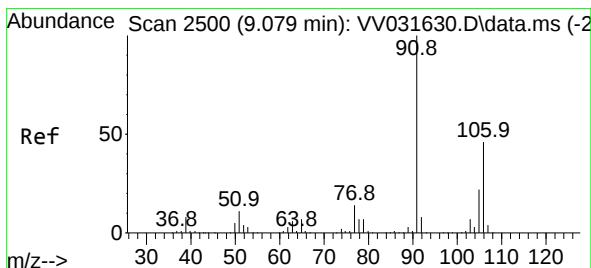
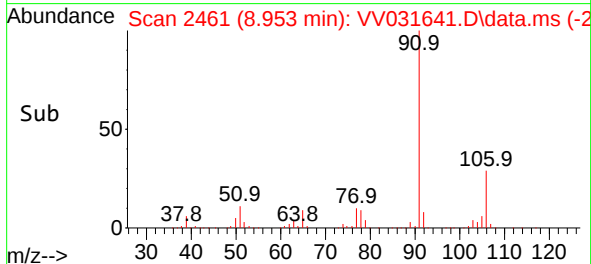
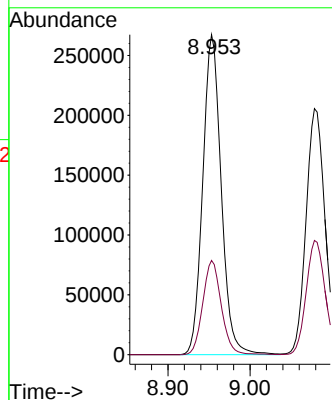
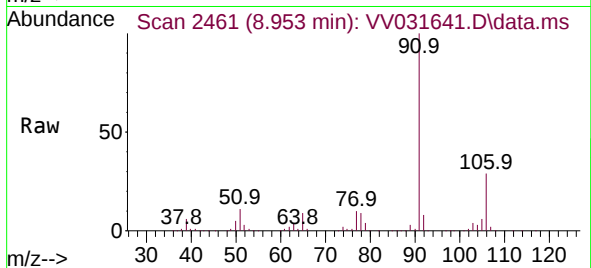
VSTD050383

Tgt Ion: 91 Resp: 418634

Ion Ratio Lower Upper

91 100

106 29.5 20.8 38.6



#53

m,p-Xylene

Concen: 46.624 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031641.D

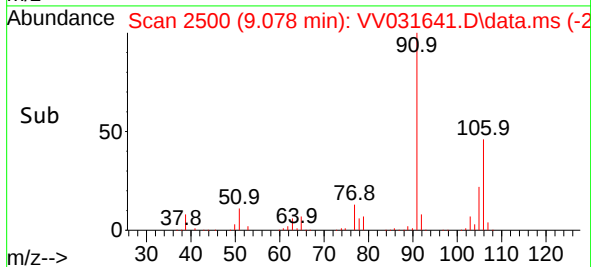
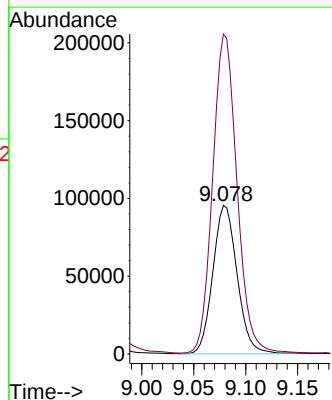
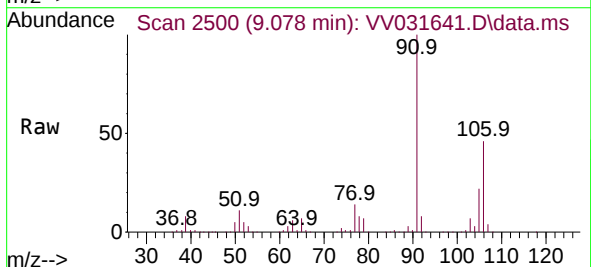
Acq: 03 Jul 2023 16:51

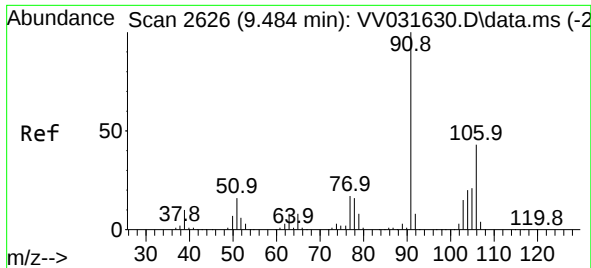
Tgt Ion: 106 Resp: 154519

Ion Ratio Lower Upper

106 100

91 215.6 149.0 276.6

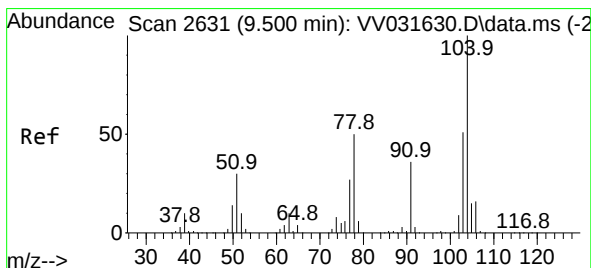
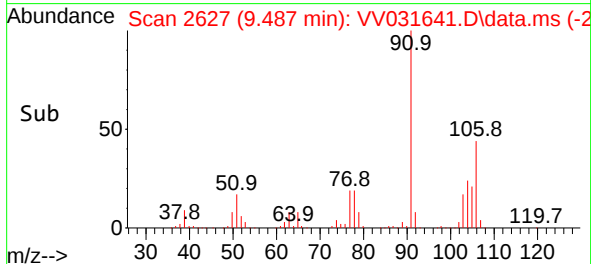
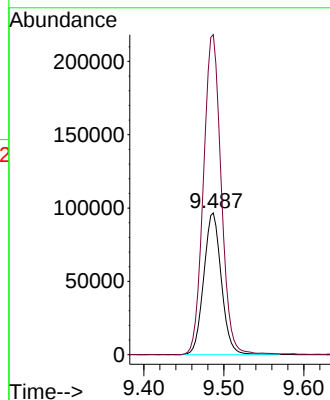
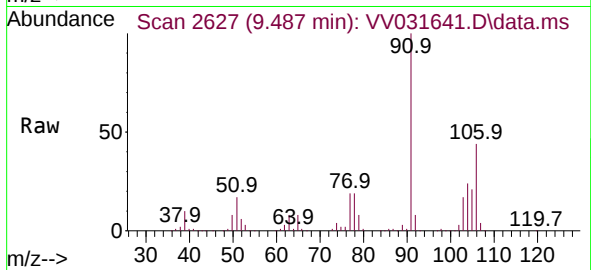




#54
o-Xylene
Concen: 47.101 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

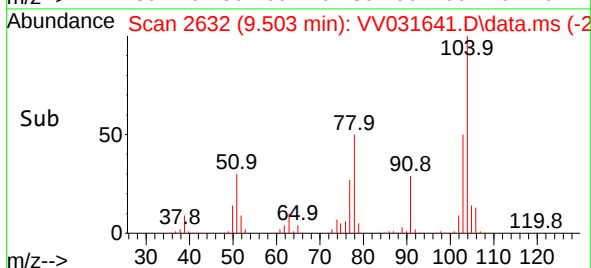
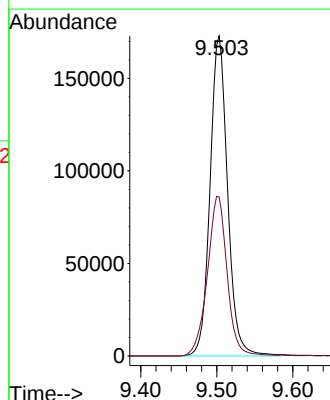
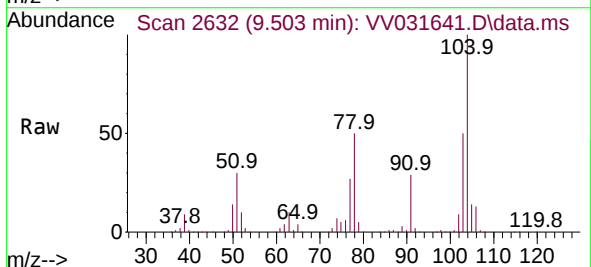
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

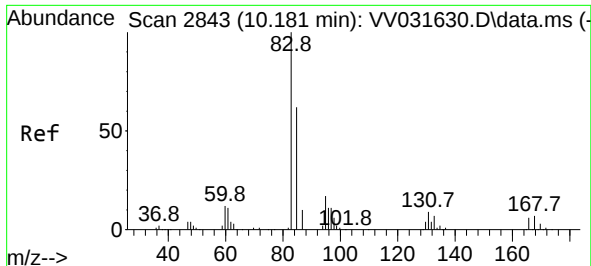
Tgt Ion:106 Resp: 148135
Ion Ratio Lower Upper
106 100
91 225.6 161.3 299.7



#55
Styrene
Concen: 49.377 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion:104 Resp: 277338
Ion Ratio Lower Upper
104 100
78 49.7 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 47.840 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

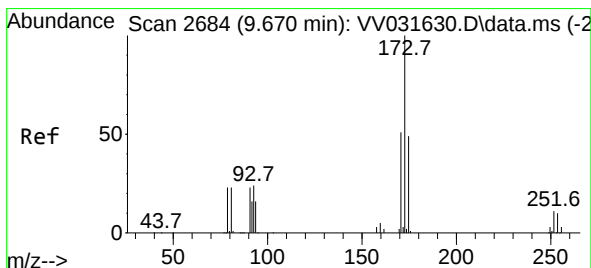
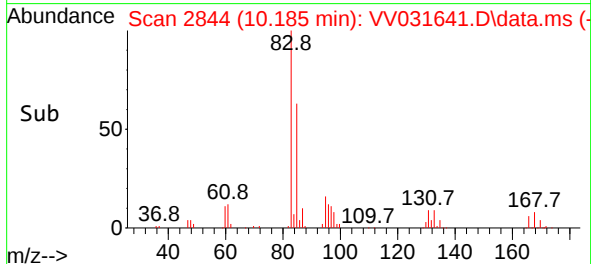
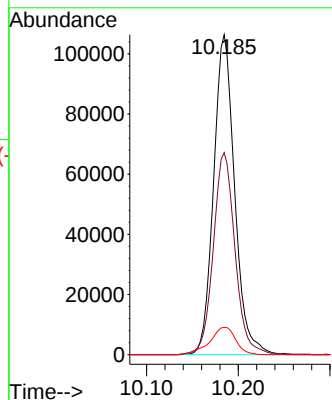
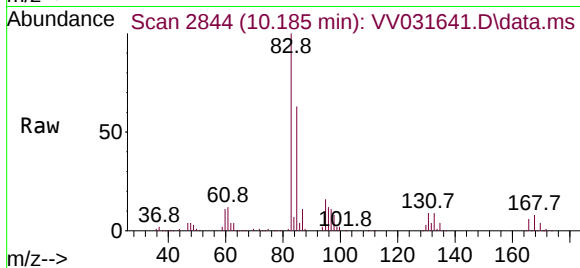
Tgt Ion: 83 Resp: 169608

Ion Ratio Lower Upper

83 100

85 63.2 43.1 80.1

131 12.2 10.6 16.0



#59

Bromoform

Concen: 47.055 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

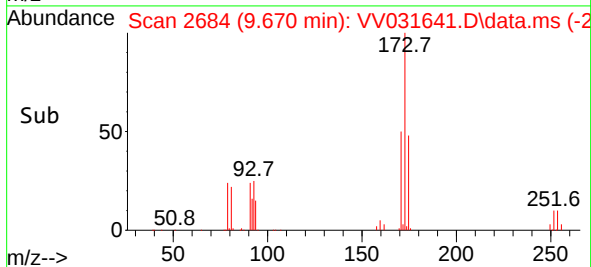
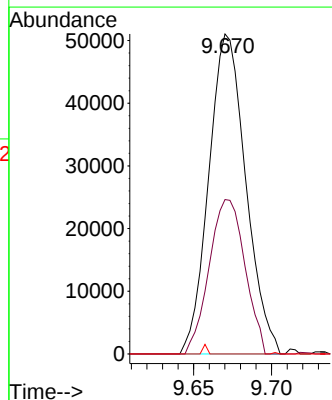
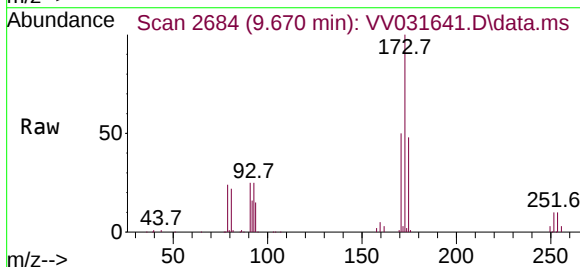
Tgt Ion: 173 Resp: 84318

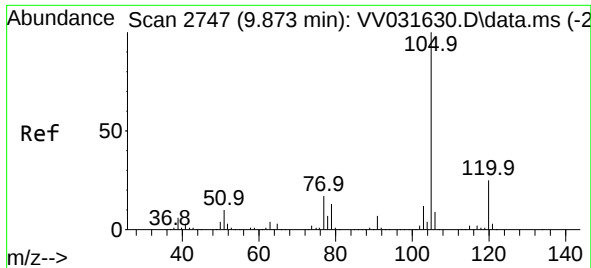
Ion Ratio Lower Upper

173 100

175 46.6 37.7 56.5

254 0.0 0.1 0.1#

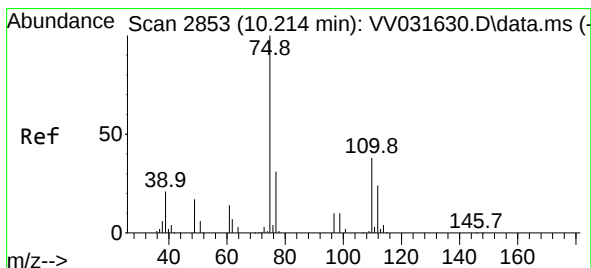
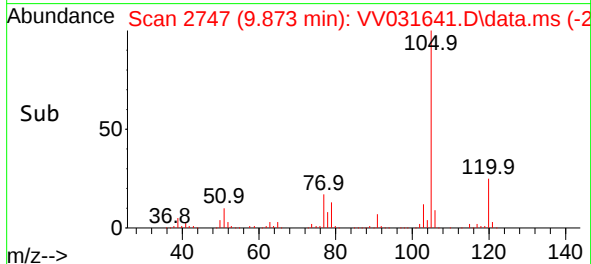
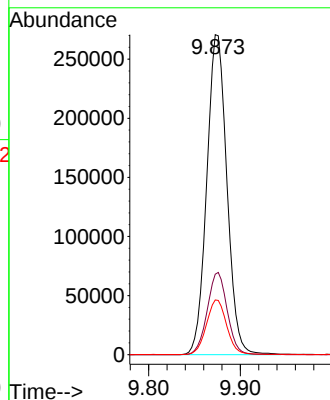
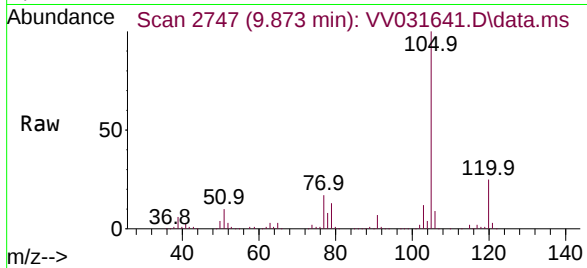




#60
Isopropylbenzene
Concen: 44.880 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

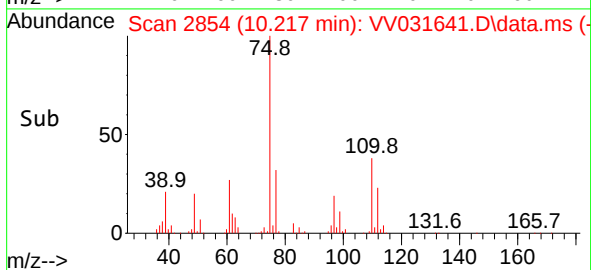
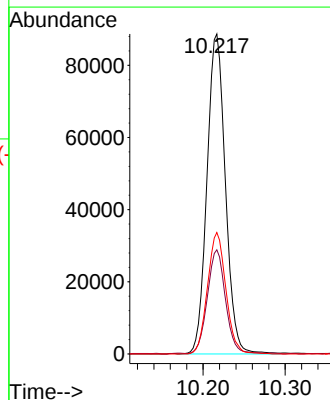
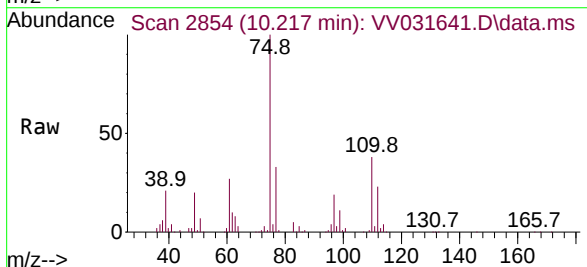
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

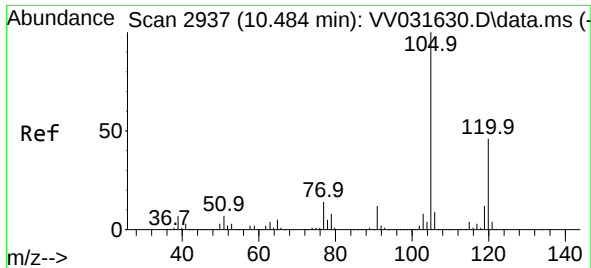
Tgt Ion:105 Resp: 413611
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.2
77 17.1 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 48.598 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion: 75 Resp: 138757
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
110 37.9 31.3 46.9

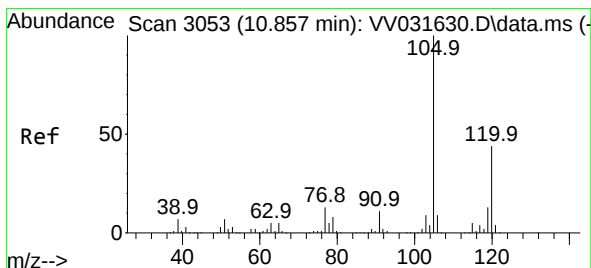
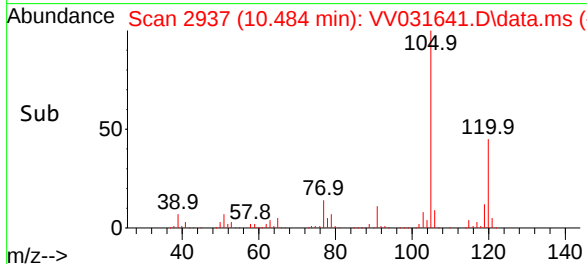
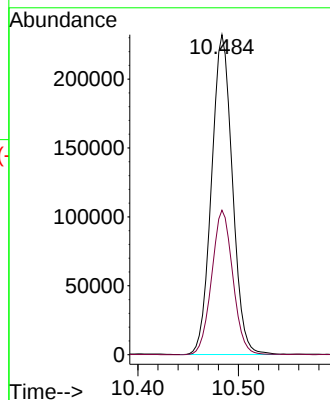
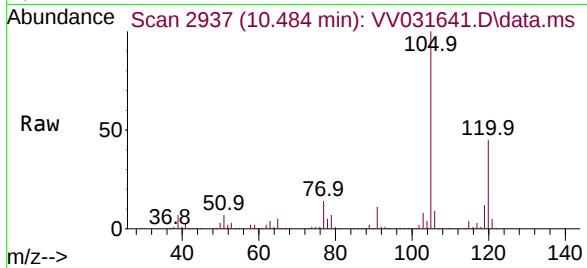




#62
1,3,5-Trimethylbenzene
Concen: 43.925 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

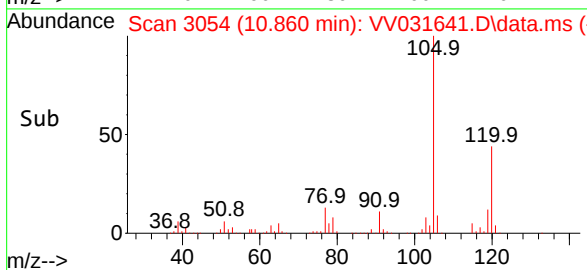
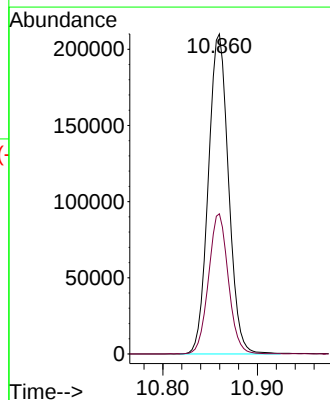
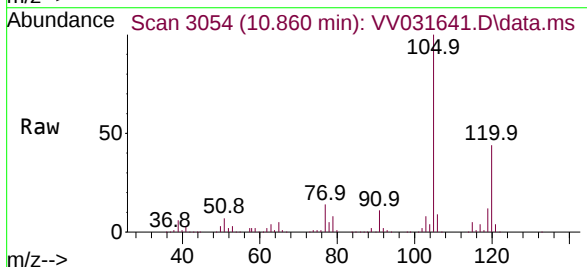
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

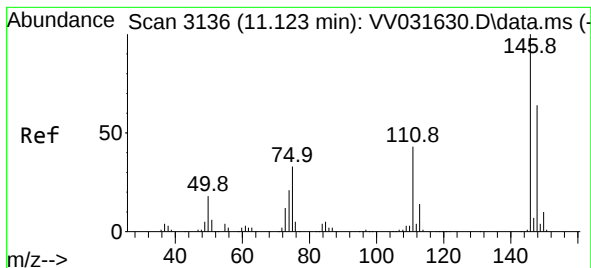
Tgt Ion:105 Resp: 334573
Ion Ratio Lower Upper
105 100
120 45.8 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 43.942 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion:105 Resp: 311858
Ion Ratio Lower Upper
105 100
120 42.9 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 44.603 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

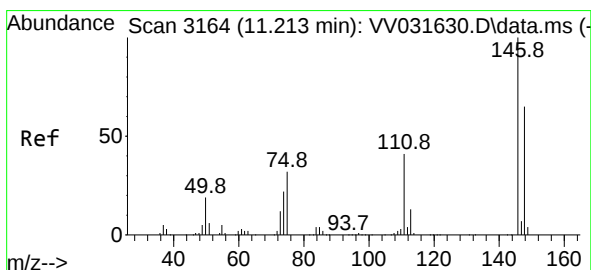
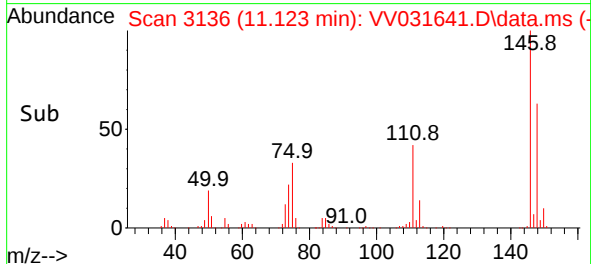
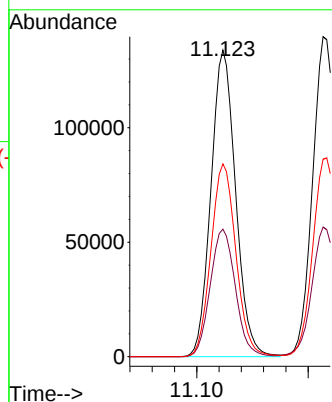
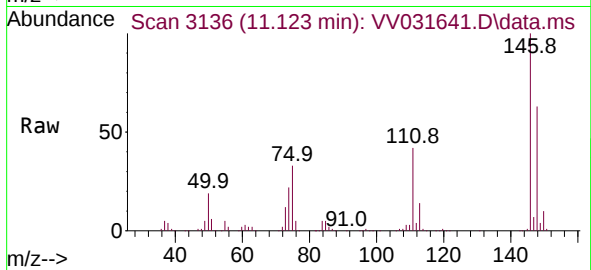
Tgt Ion:146 Resp: 206085

Ion Ratio Lower Upper

146 100

111 41.6 30.4 56.5

148 62.9 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 44.007 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

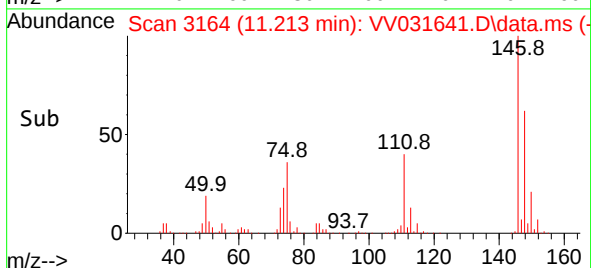
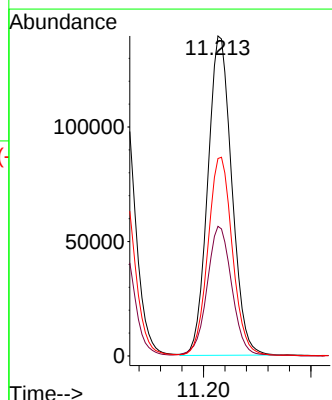
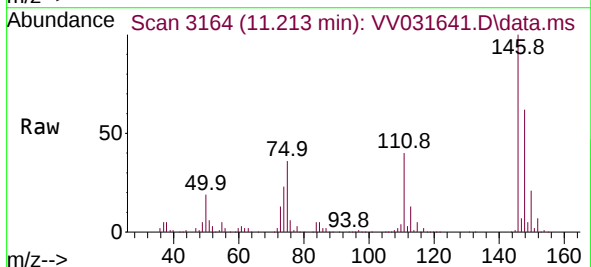
Tgt Ion:146 Resp: 216670

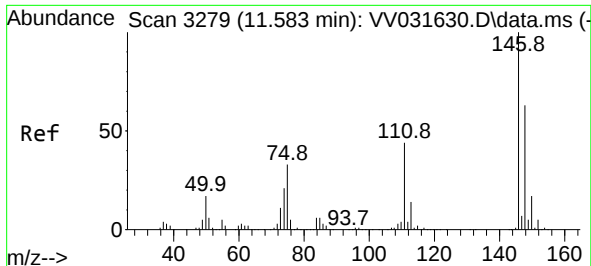
Ion Ratio Lower Upper

146 100

111 40.5 27.9 51.7

148 61.7 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 44.822 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

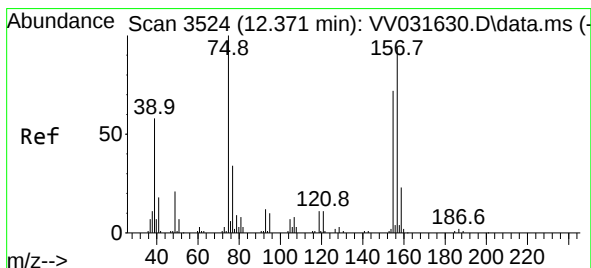
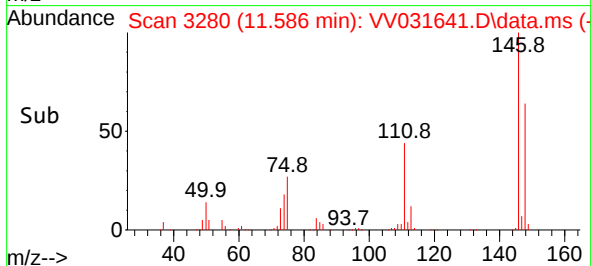
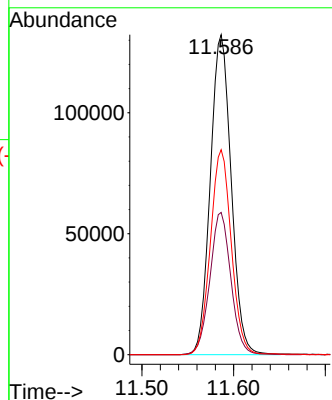
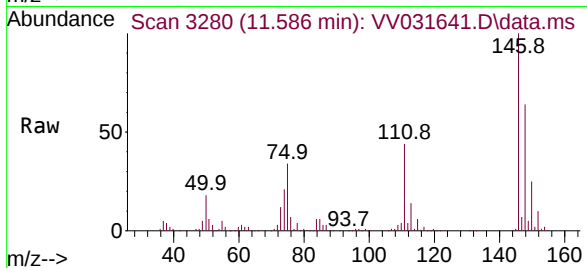
Tgt Ion:146 Resp: 209021

Ion Ratio Lower Upper

146 100

111 44.4 35.9 53.9

148 64.0 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.728 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

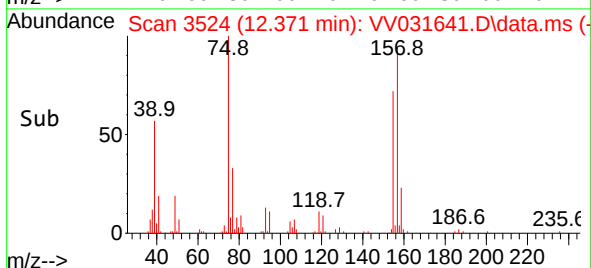
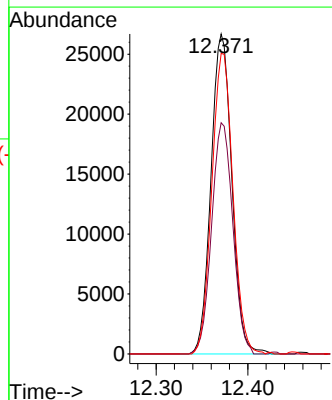
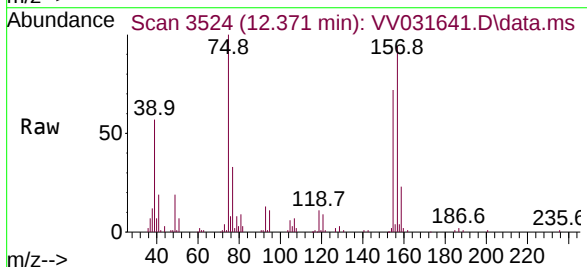
Tgt Ion: 75 Resp: 42141

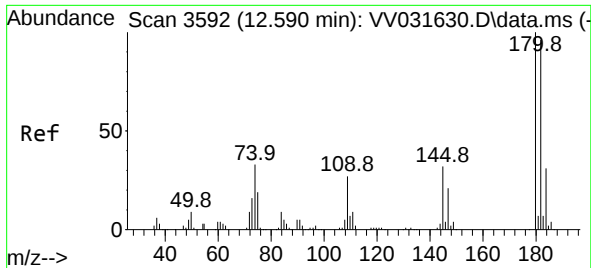
Ion Ratio Lower Upper

75 100

155 76.7 63.2 94.8

157 98.2 85.3 127.9

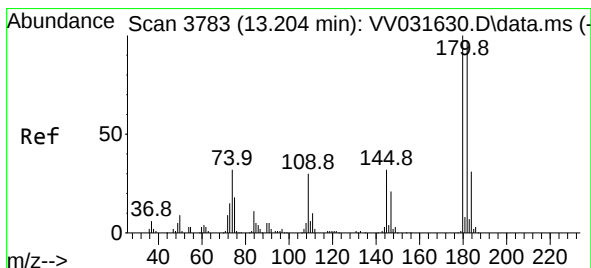
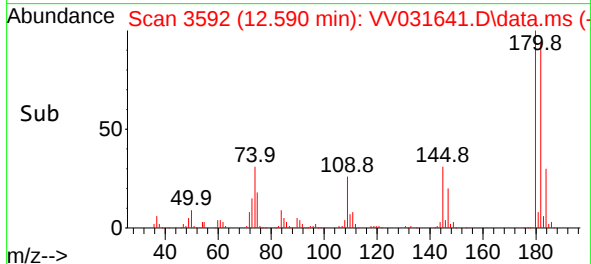
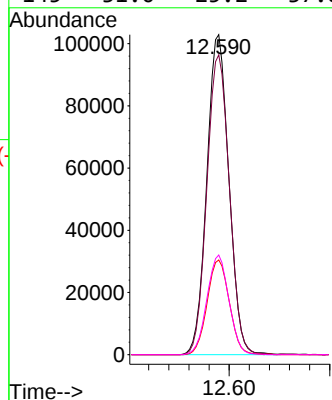
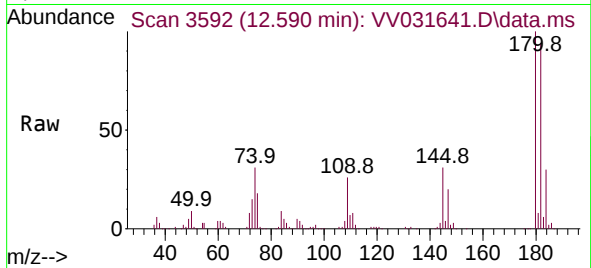




#69
1,3,5-Trichlorobenzene
Concen: 44.546 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

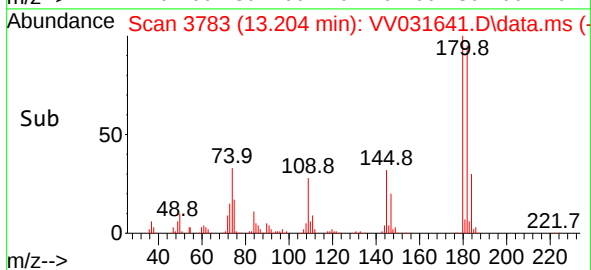
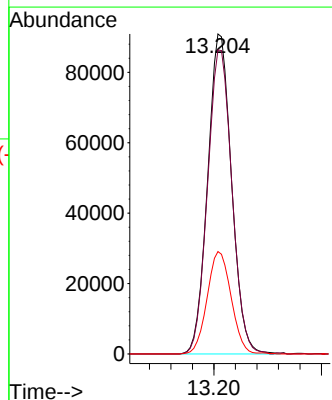
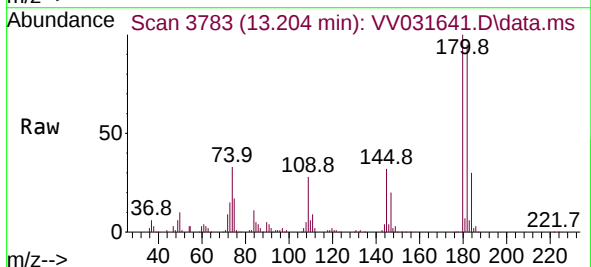
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

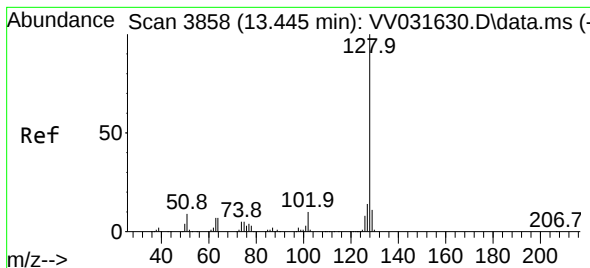
Tgt Ion:180 Resp: 156828
Ion Ratio Lower Upper
180 100
182 95.4 76.6 115.0
184 29.7 24.7 37.1
145 31.0 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 45.430 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.000 min
Lab File: VV031641.D
Acq: 03 Jul 2023 16:51

Tgt Ion:180 Resp: 140196
Ion Ratio Lower Upper
180 100
182 96.7 77.7 116.5
145 32.0 26.1 39.1





#71

Naphthalene

Concen: 50.839 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

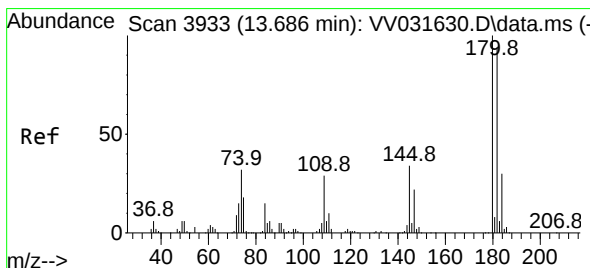
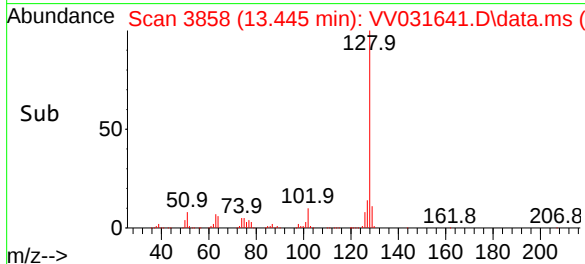
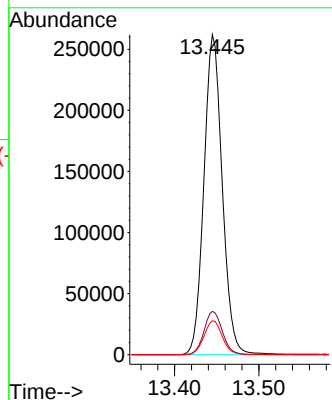
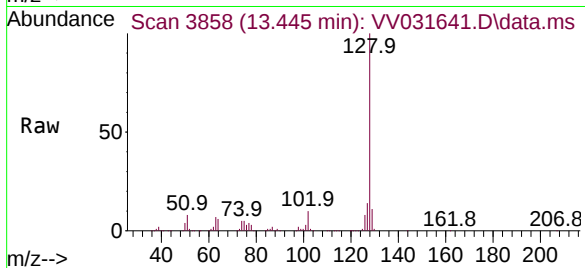
Tgt Ion:128 Resp: 397387

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.710 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031641.D

Acq: 03 Jul 2023 16:51

Tgt Ion:180 Resp: 149791

Ion Ratio Lower Upper

180 100

182 95.3 74.0 111.0

145 34.2 26.2 39.2

