

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071023\
 Data File : VW031668.D
 Acq On : 10 Jul 2023 15:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

Quant Time: Jul 11 01:09:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	169022	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	172511	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	116610	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	62673	55.715	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.420%
7) Chloroethane-d5	1.532	69	52343	53.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.660%
11) 1,1-Dichloroethene-d2	2.063	65	29630	51.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.220%
21) 2-Butanone-d5	3.793	46	101616	111.561	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	4.259	84	156687	55.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.240%
26) 1,2-Dichloroethane-d4	4.947	65	95126	53.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.940%
32) Benzene-d6	4.966	84	251133	51.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.440%
36) 1,2-Dichloropropane-d6	5.995	67	79859	46.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.800%
41) Toluene-d8	7.249	98	235209	52.785	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.580%
43) trans-1,3-Dichloroprop...	7.558	79	40752	48.572	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.140%
47) 2-Hexanone-d5	8.031	63	55783	82.091	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.090%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113436	43.667	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.340%
66) 1,2-Dichlorobenzene-d4	11.567	152	83640	37.628	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.260%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78921	44.020	ug/L	99
3) Chloromethane	1.217	50	83414	49.307	ug/L	98
5) Vinyl chloride	1.285	62	74837	44.625	ug/L	99
6) Bromomethane	1.487	94	47716	43.655	ug/L	99
8) Chloroethane	1.548	64	48326	44.617	ug/L	97
9) Trichlorofluoromethane	1.716	101	133476	47.841	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	71413	47.763	ug/L	96
12) 1,1-Dichloroethene	2.073	96	58177	46.518	ug/L	97
13) Acetone	2.114	43	64996	72.314	ug/L	93
14) Carbon disulfide	2.243	76	177375	46.887	ug/L	99
15) Methyl Acetate	2.375	43	88623	58.564	ug/L	97
16) Methylene chloride	2.449	84	78220	49.887	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	69784	53.455	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	248280	56.998	ug/L	97
19) 1,1-Dichloroethane	3.118	63	163922	58.179	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	77070	54.629	ug/L	98
22) 2-Butanone	3.873	43	124698	111.058	ug/L	95
23) Bromochloromethane	4.153	128	42800	56.123	ug/L	89
25) Chloroform	4.281	83	165754	56.592	ug/L	97

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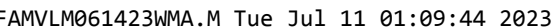
Instrument :
 MSVOA_V
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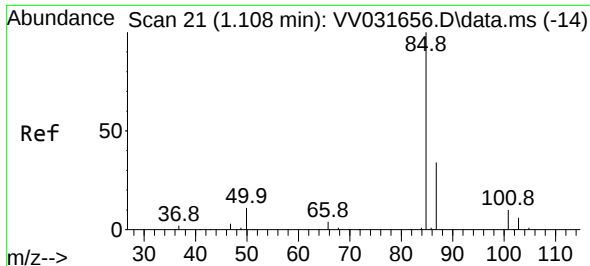
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	125414	55.480	ug/L	97
29) Cyclohexane	4.590	56	113151	50.414	ug/L	94
30) 1,1,1-Trichloroethane	4.519	97	146177	52.850	ug/L	99
31) Carbon tetrachloride	4.741	117	124431	50.774	ug/L	98
33) Benzene	5.018	78	298707	52.007	ug/L	100
34) Trichloroethene	5.838	95	73513	47.898	ug/L	96
35) Methylcyclohexane	6.056	83	97813	43.253	ug/L	96
37) 1,2-Dichloropropane	6.098	63	80921	47.980	ug/L	100
38) Bromodichloromethane	6.439	83	112419	49.314	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	118571	47.361	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	241429	121.911	ug/L	96
42) Toluene	7.320	91	311238	52.264	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	130074	53.351	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	77725	48.785	ug/L	98
46) Tetrachloroethene	7.912	164	53255	44.211	ug/L	97
48) 2-Hexanone	8.082	43	177454	112.196	ug/L	94
49) Dibromochloromethane	8.182	129	86759	48.996	ug/L	100
50) 1,2-Dibromoethane	8.288	107	82439	48.595	ug/L #	98
51) Chlorobenzene	8.818	112	180551	45.778	ug/L	99
52) Ethylbenzene	8.953	91	316215	47.588	ug/L	99
53) m,p-Xylene	9.079	106	116743	47.975	ug/L	97
54) o-Xylene	9.484	106	108211	46.859	ug/L	96
55) Styrene	9.500	104	212737	51.583	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	123979	47.625	ug/L	99
59) Bromoform	9.670	173	67258	46.530	ug/L #	99
60) Isopropylbenzene	9.873	105	311682	41.926	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	103474	44.926	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	253696	41.290	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	235289	41.099	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	162324	43.552	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	166247	41.858	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	154999	41.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	31461	46.023	ug/L	90
69) 1,3,5-Trichlorobenzene	12.587	180	113381	39.923	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	101184	40.647	ug/L	100
71) Naphthalene	13.445	128	276348	43.827	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	109929	42.495	ug/L	97

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

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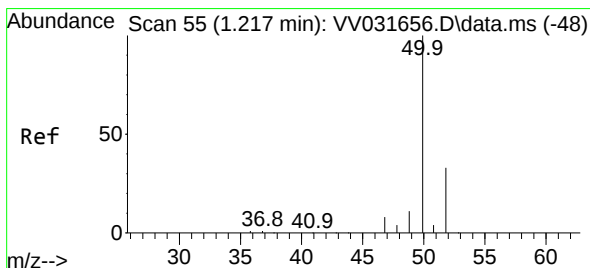
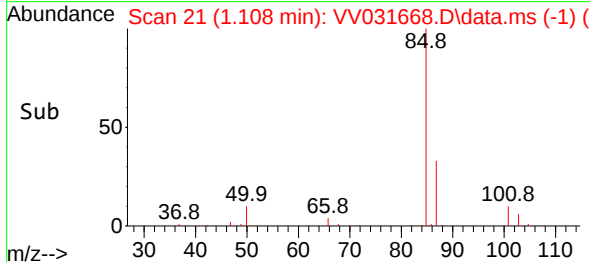
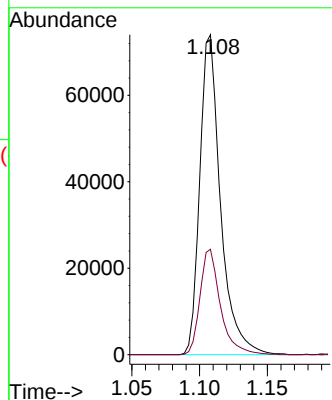
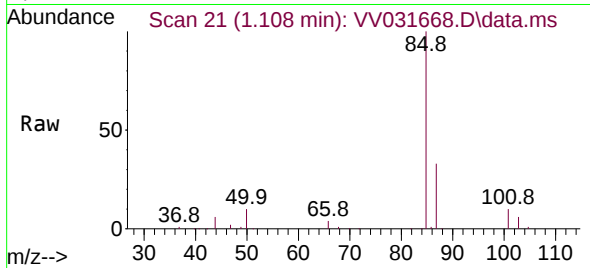




#2
 Dichlorodifluoromethane
 Concen: 44.020 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

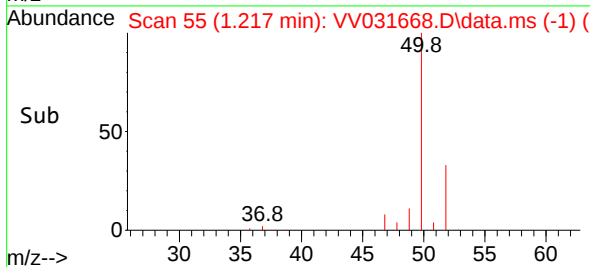
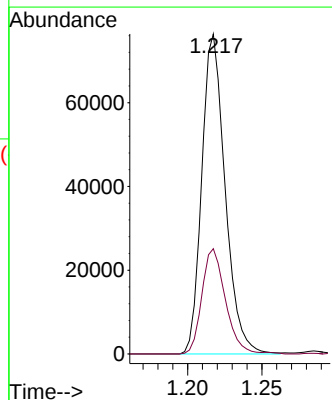
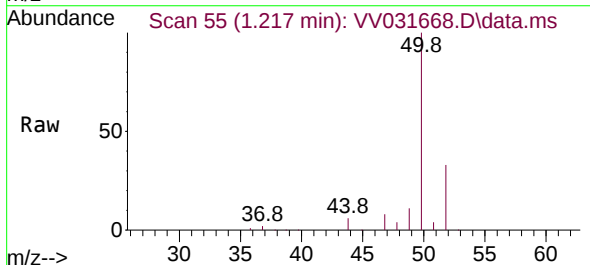
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

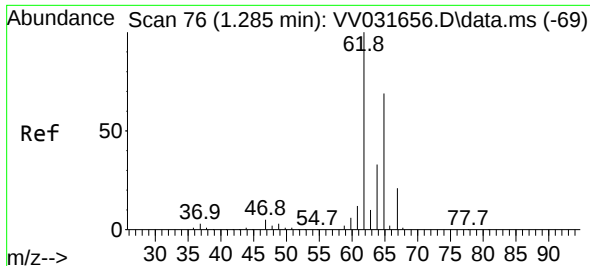
Tgt Ion: 85 Resp: 78921
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.5 38.3



#3
 Chloromethane
 Concen: 49.307 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

Tgt Ion: 50 Resp: 83414
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.3 41.5

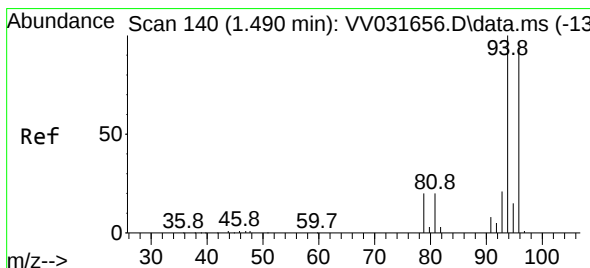
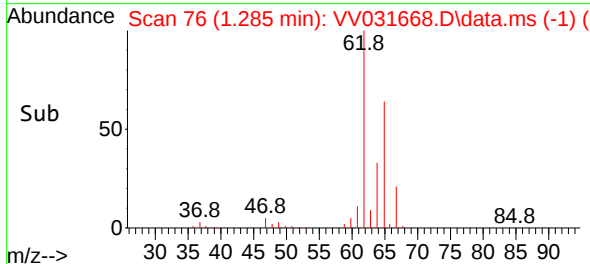
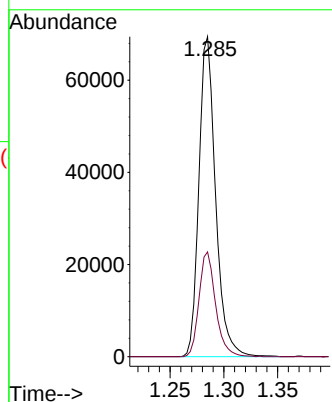
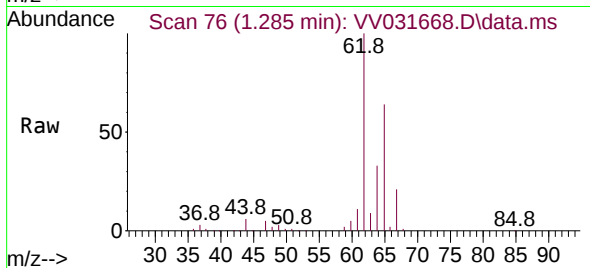




#5
 Vinyl chloride
 Concen: 44.625 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

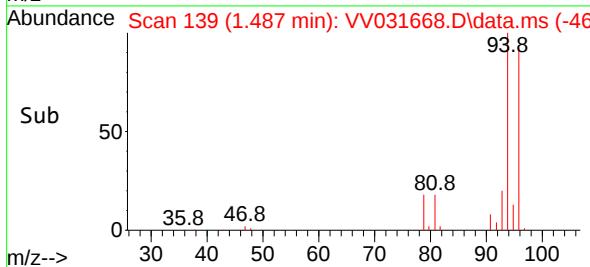
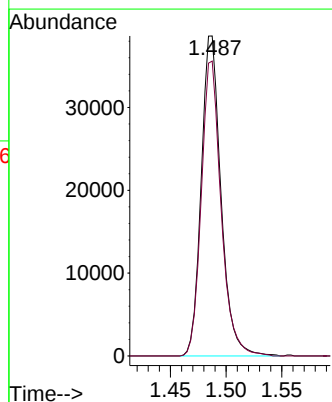
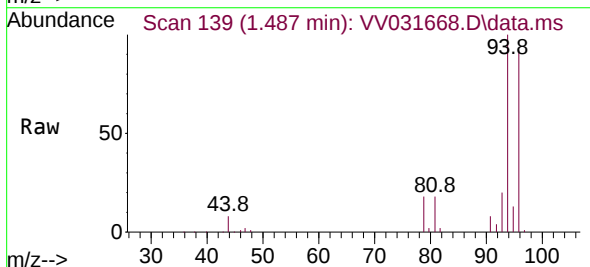
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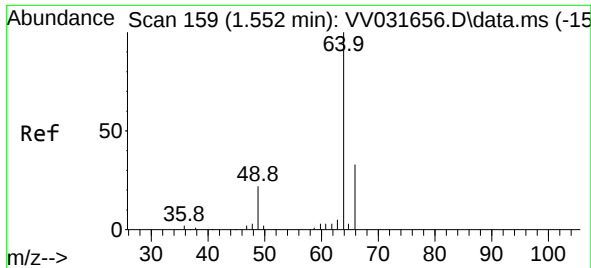
Tgt Ion: 62 Resp: 74837
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.4



#6
 Bromomethane
 Concen: 43.655 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

Tgt Ion: 94 Resp: 47716
 Ion Ratio Lower Upper
 94 100
 96 92.1 65.4 121.4





#8

Chloroethane

Concen: 44.617 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

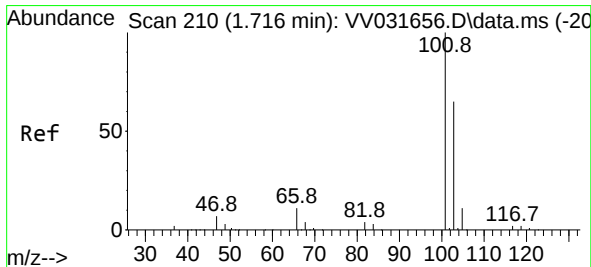
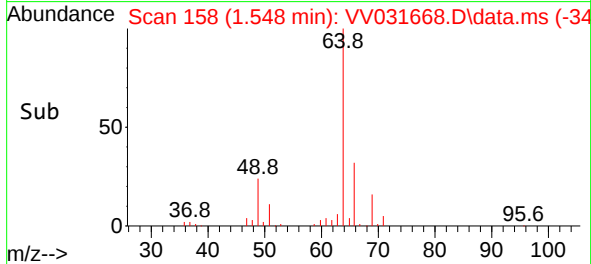
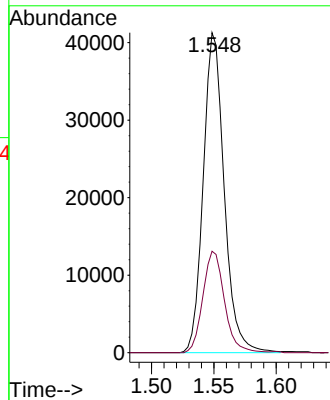
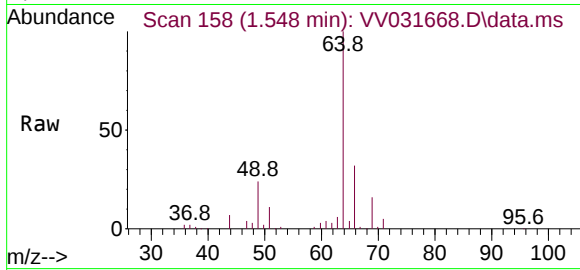
VSTD050387

Tgt Ion: 64 Resp: 48326

Ion Ratio Lower Upper

64 100

66 31.7 21.0 39.0



#9

Trichlorofluoromethane

Concen: 47.841 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.000 min

Lab File: VV031668.D

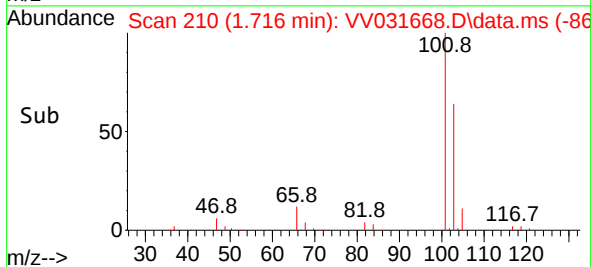
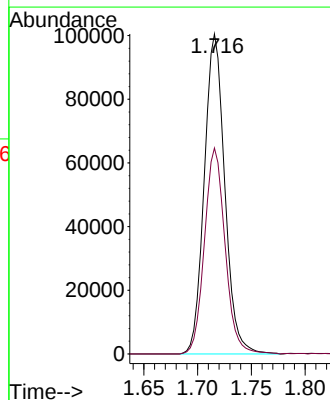
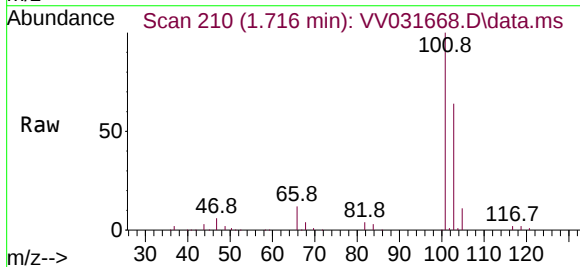
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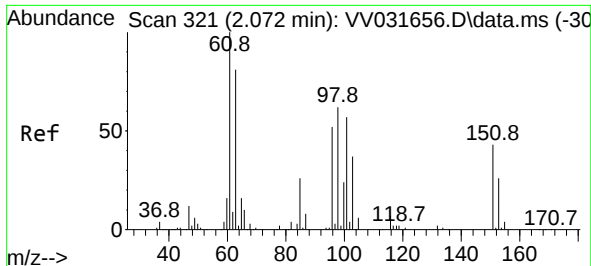
Tgt Ion:101 Resp: 133476

Ion Ratio Lower Upper

101 100

103 64.7 50.9 76.3

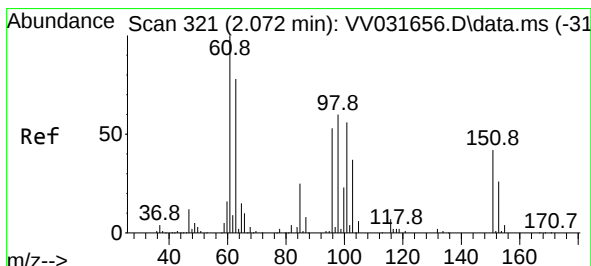
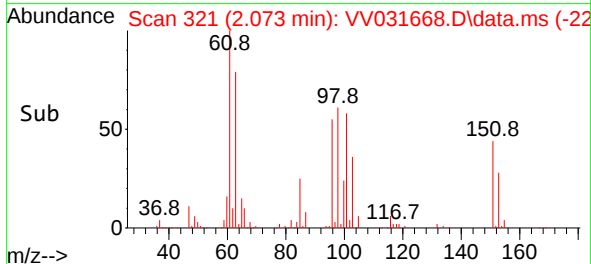
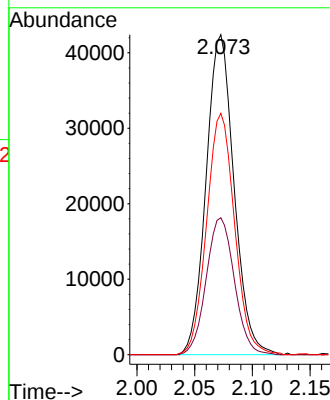
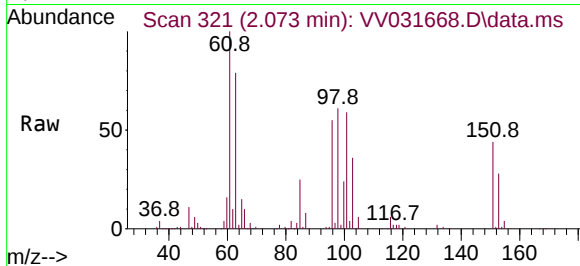




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.763 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

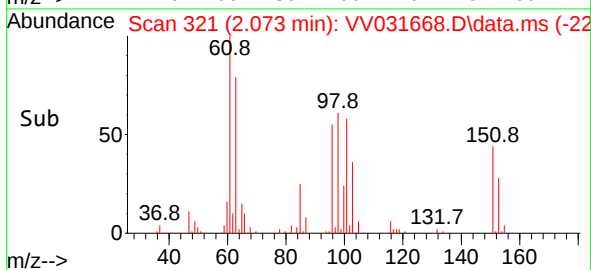
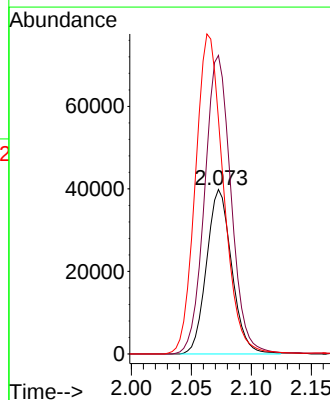
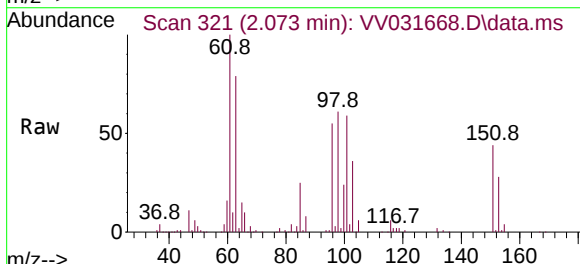
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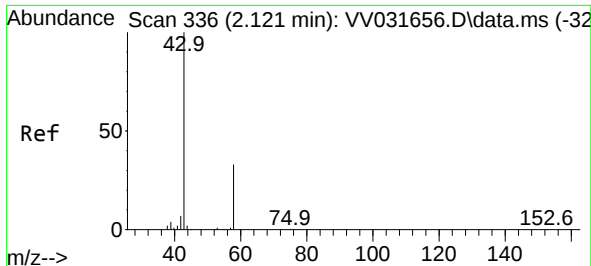
Tgt Ion:101 Resp: 71413
Ion Ratio Lower Upper
101 100
85 43.1 37.4 56.0
151 75.5 62.3 93.5



#12
1,1-Dichloroethene
Concen: 46.518 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 96 Resp: 58177
Ion Ratio Lower Upper
96 100
61 181.6 128.9 239.5
63 142.9 95.3 177.1





#13

Acetone

Concen: 72.314 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

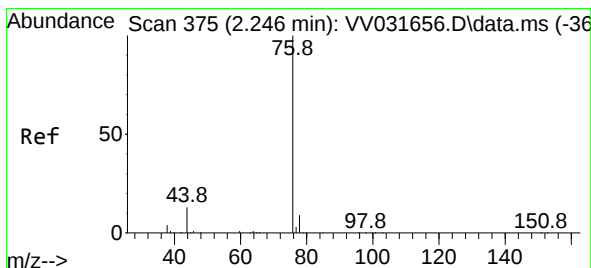
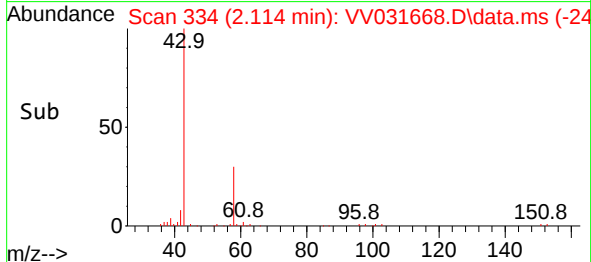
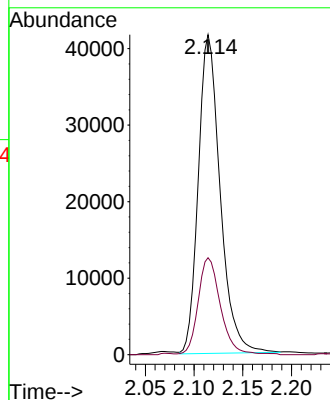
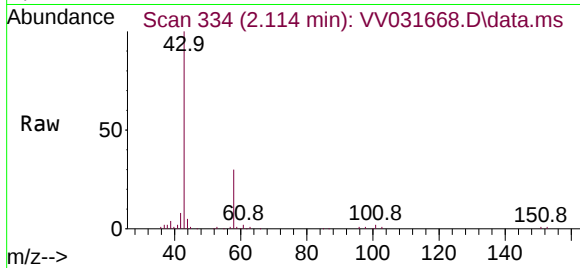
VSTD050387

Tgt Ion: 43 Resp: 64996

Ion Ratio Lower Upper

43 100

58 30.3 0.0 68.6



#14

Carbon disulfide

Concen: 46.887 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031668.D

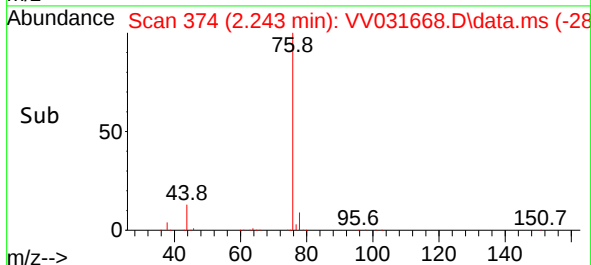
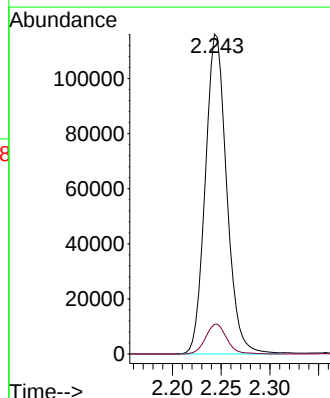
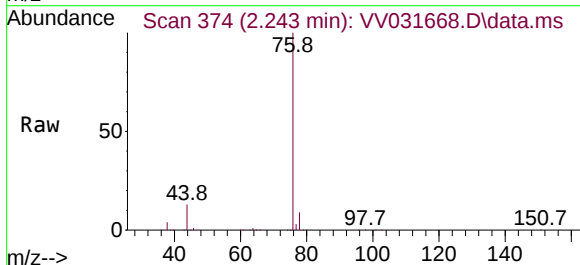
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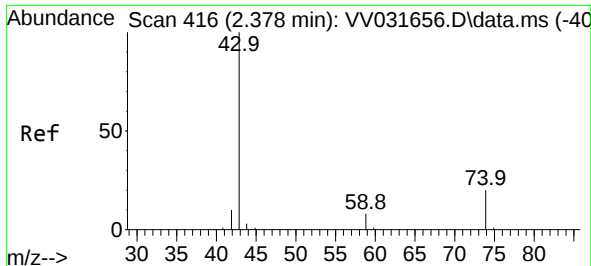
Tgt Ion: 76 Resp: 177375

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

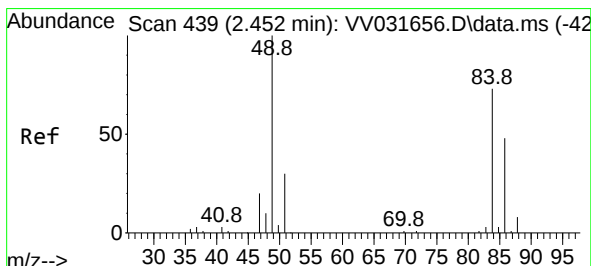
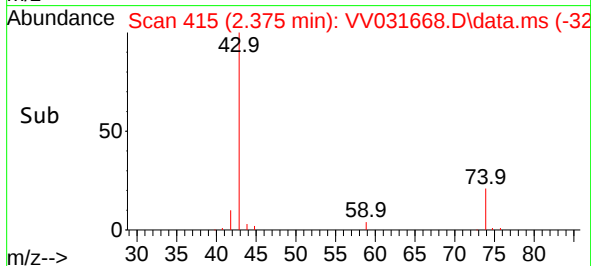
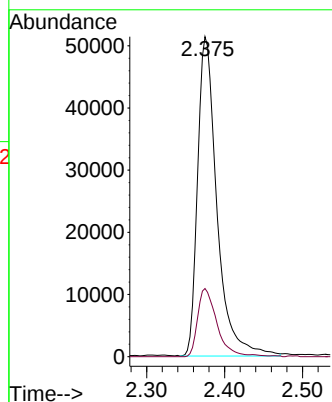
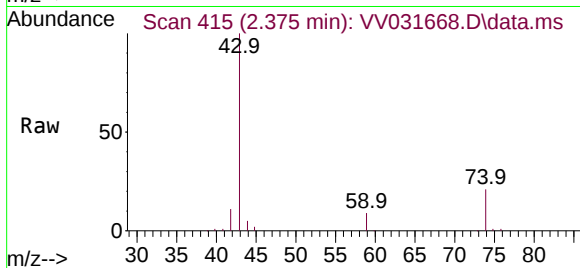




#15
Methyl Acetate
Concen: 58.564 ug/L
RT: 2.375 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

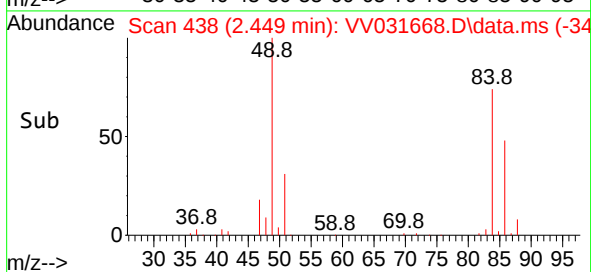
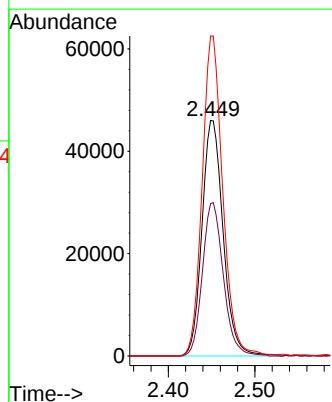
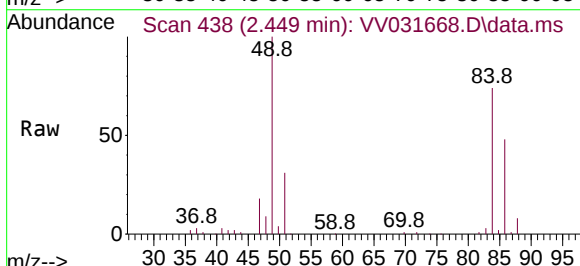
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

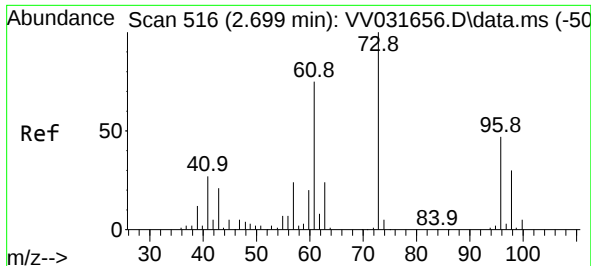
Tgt Ion: 43 Resp: 88623
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.6



#16
Methylene chloride
Concen: 49.887 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 84 Resp: 78220
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.0
49 135.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 53.455 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

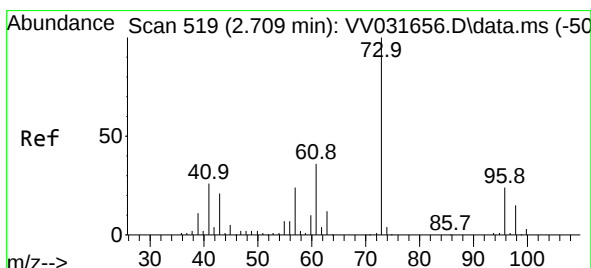
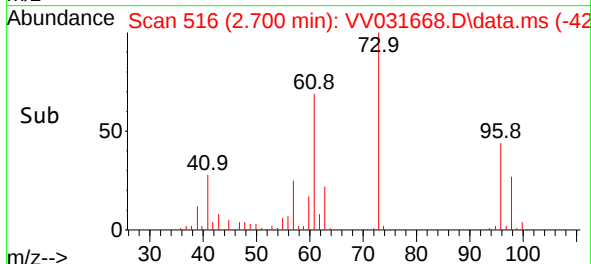
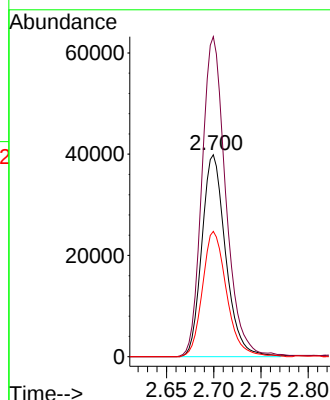
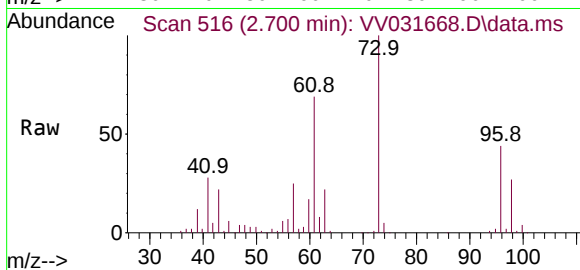
Tgt Ion: 96 Resp: 69784

Ion Ratio Lower Upper

96 100

61 158.5 102.5 190.3

98 62.0 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 56.998 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

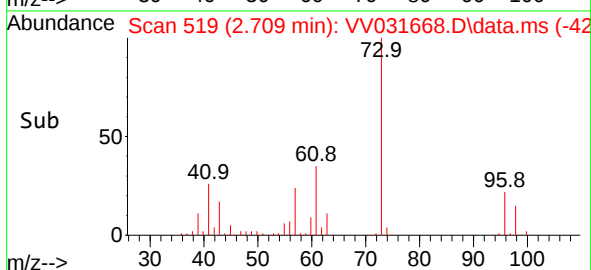
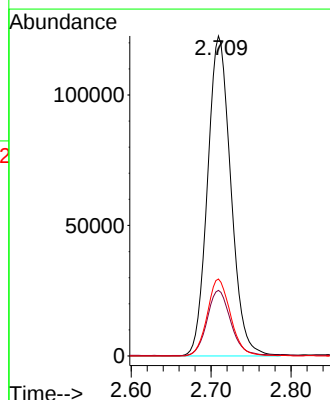
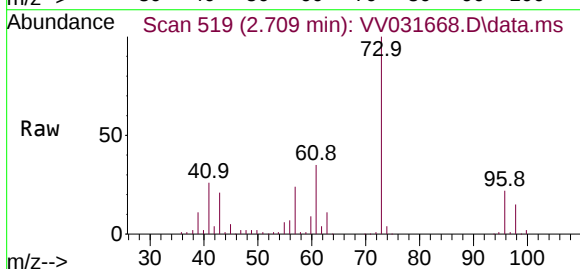
Tgt Ion: 73 Resp: 248280

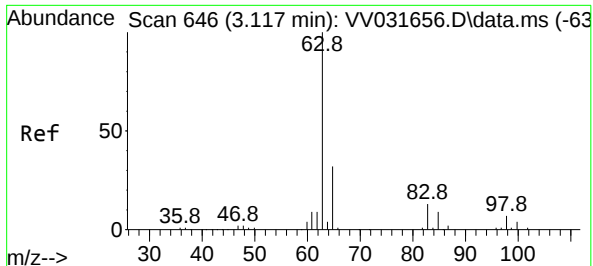
Ion Ratio Lower Upper

73 100

43 20.7 15.0 22.4

57 23.9 18.2 27.4

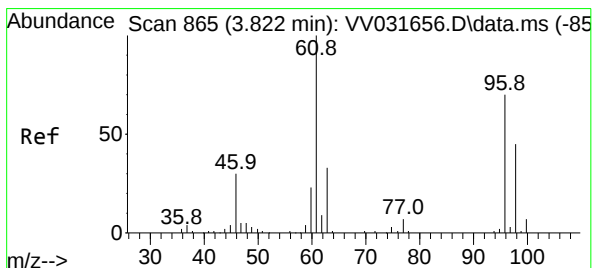
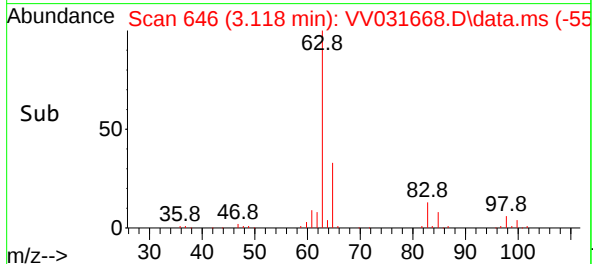
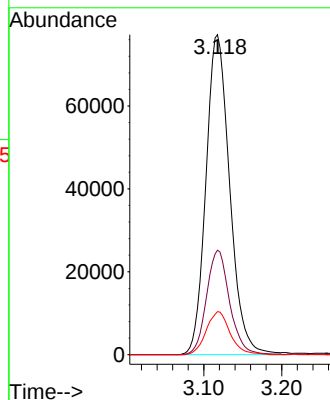
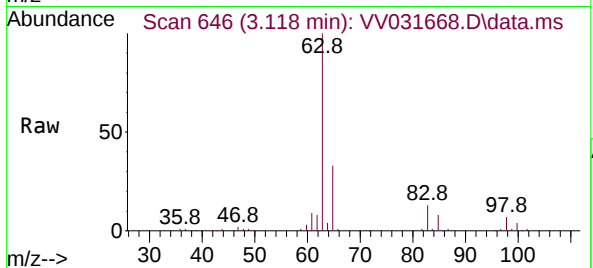




#19
1,1-Dichloroethane
Concen: 58.179 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

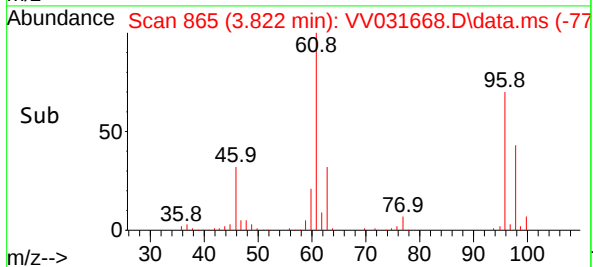
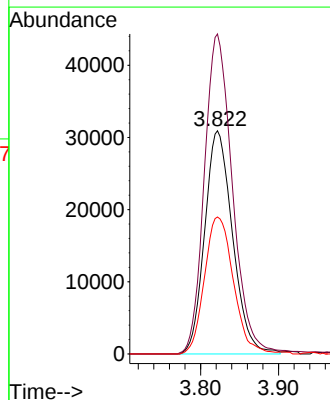
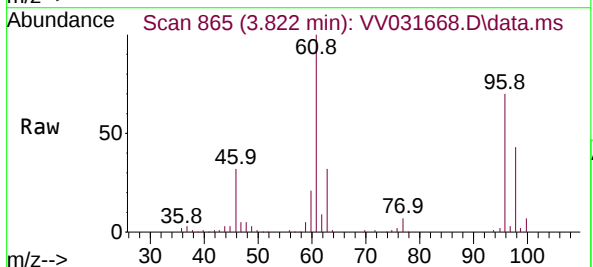
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

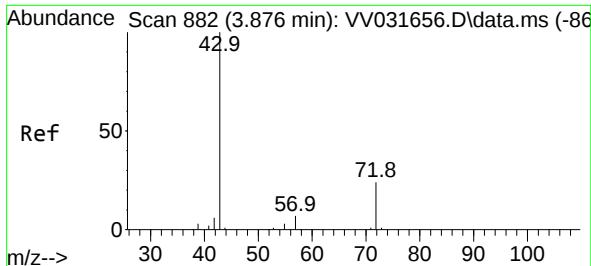
Tgt Ion: 63 Resp: 163922
Ion Ratio Lower Upper
63 100
65 32.7 22.5 41.7
83 14.1 10.0 18.6



#20
cis-1,2-Dichloroethene
Concen: 54.629 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 96 Resp: 77070
Ion Ratio Lower Upper
96 100
61 143.4 98.6 183.0
98 63.7 45.7 84.9

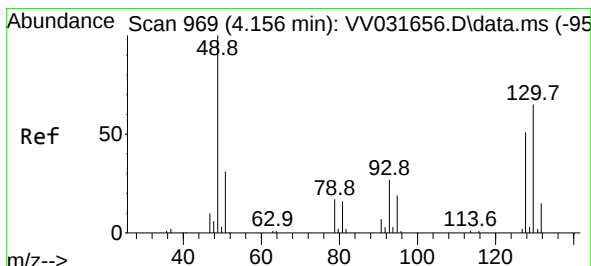
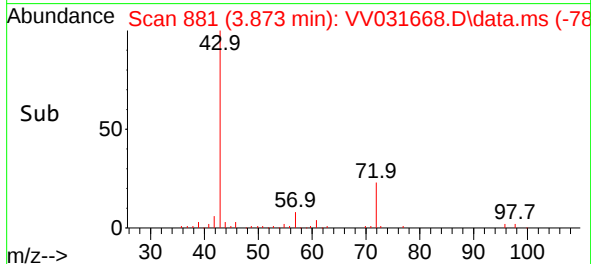
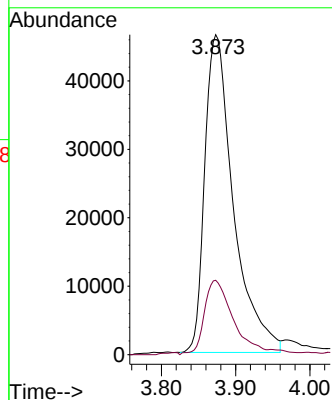
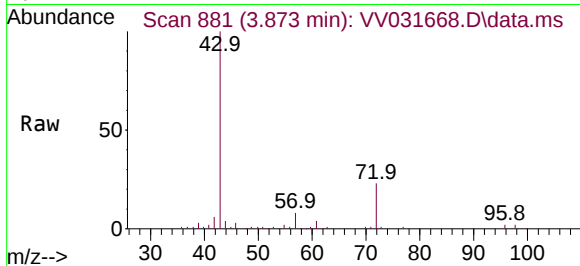




#22
2-Butanone
Concen: 111.058 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

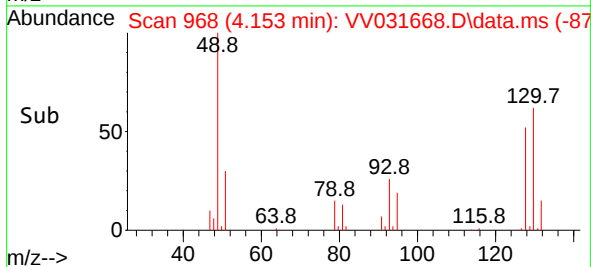
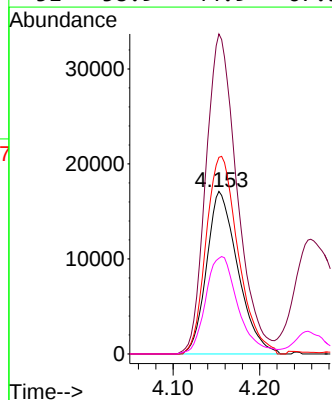
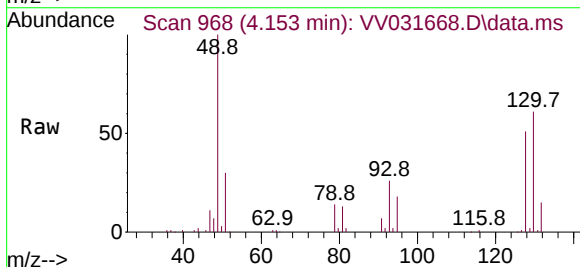
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

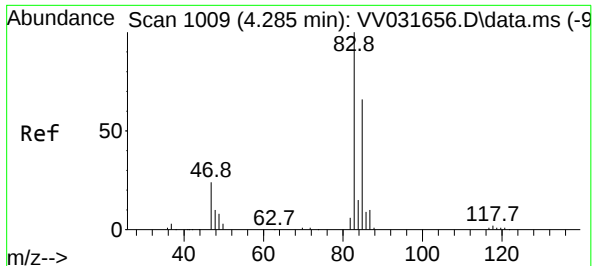
Tgt Ion: 43 Resp: 124698
Ion Ratio Lower Upper
43 100
72 22.0 12.2 36.4



#23
Bromochloromethane
Concen: 56.123 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion:128 Resp: 42800
Ion Ratio Lower Upper
128 100
49 196.9 120.6 224.0
130 121.0 88.1 163.7
51 58.9 44.9 67.3





#25

Chloroform

Concen: 56.592 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

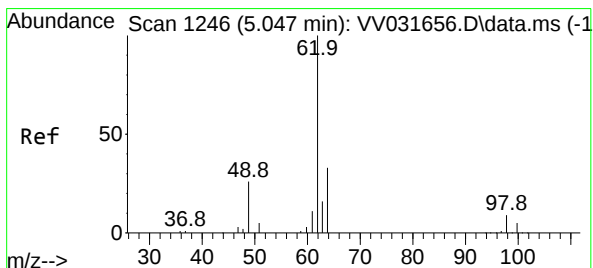
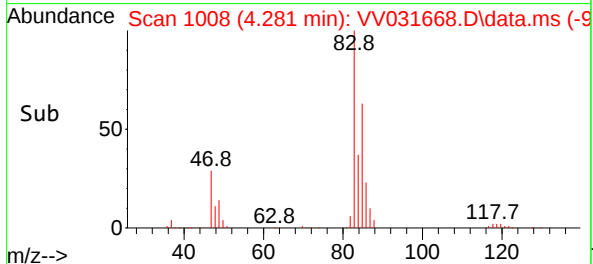
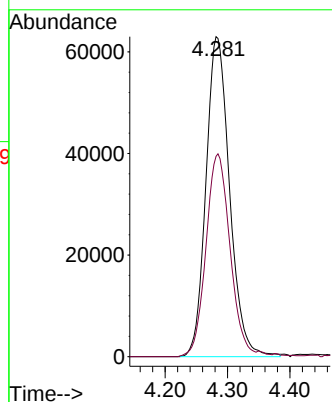
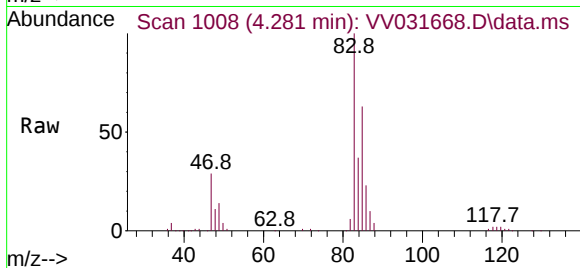
VSTD050387

Tgt Ion: 83 Resp: 165754

Ion Ratio Lower Upper

83 100

85 62.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 55.480 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031668.D

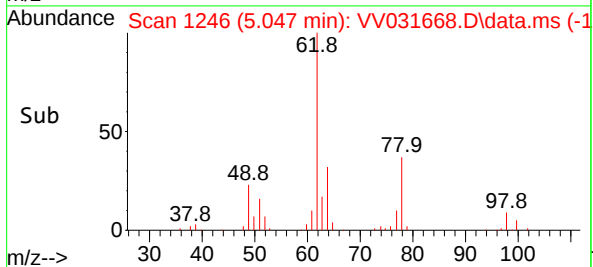
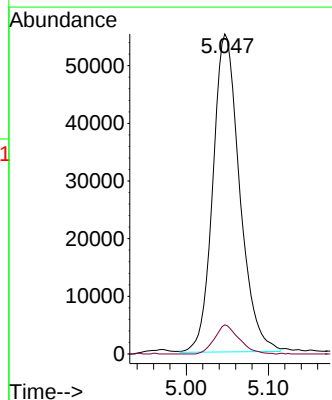
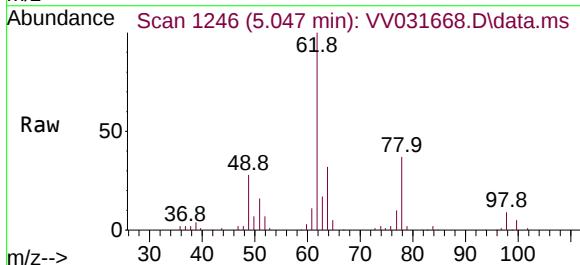
Acq: 10 Jul 2023 15:41

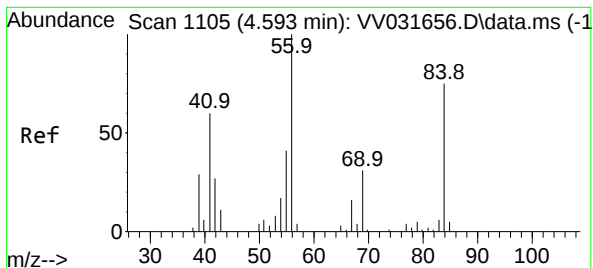
Tgt Ion: 62 Resp: 125414

Ion Ratio Lower Upper

62 100

98 9.1 6.6 9.8





#29

Cyclohexane

Concen: 50.414 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

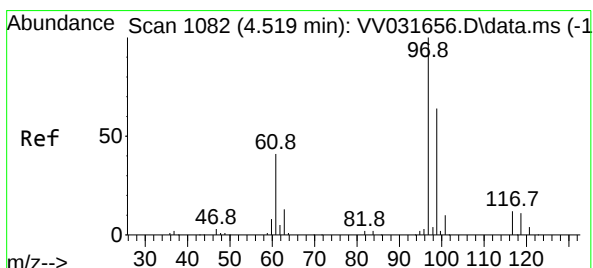
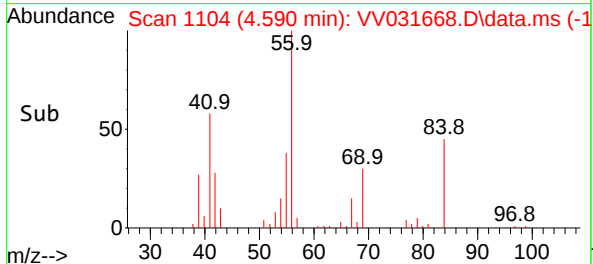
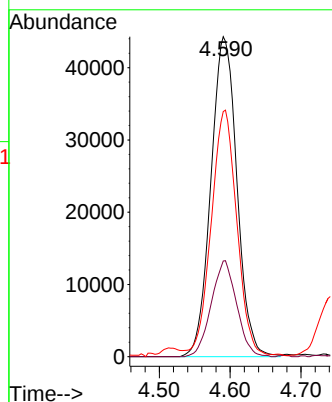
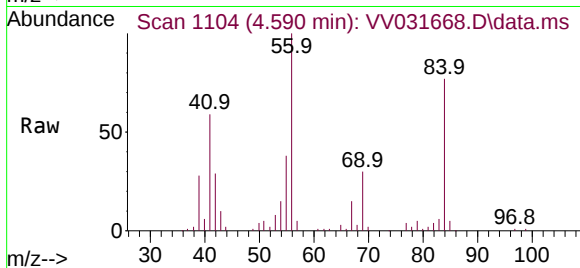
Tgt Ion: 56 Resp: 113151

Ion Ratio Lower Upper

56 100

69 29.2 24.3 36.5

84 74.4 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 52.850 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

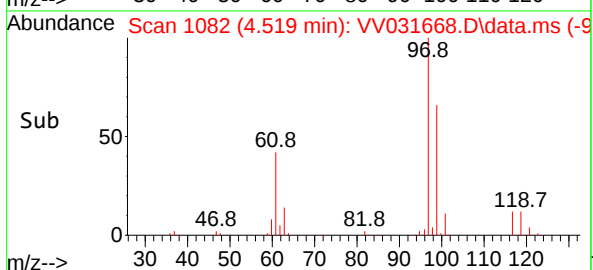
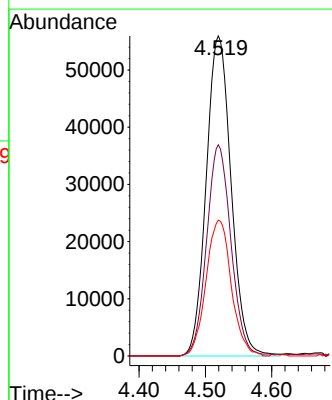
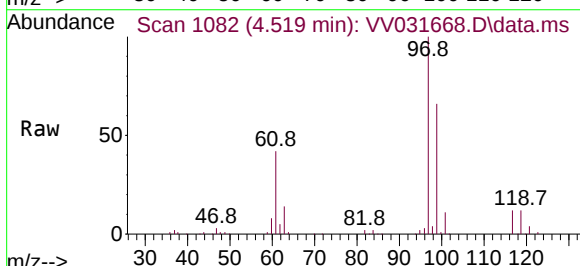
Tgt Ion: 97 Resp: 146177

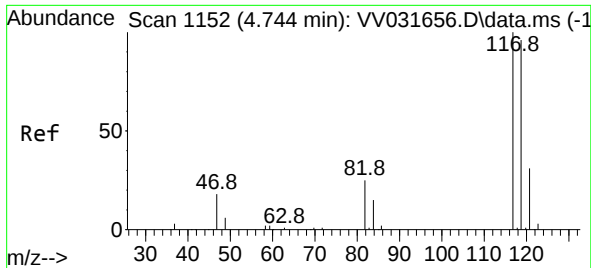
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 42.8 33.0 49.6

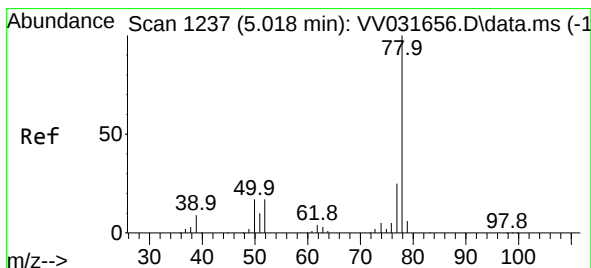
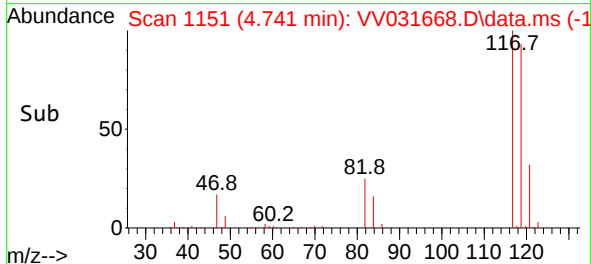
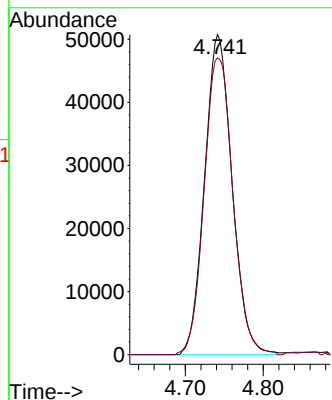
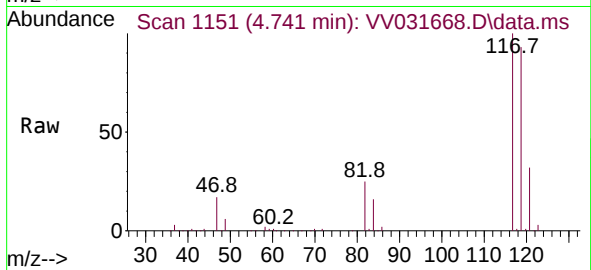




#31
Carbon tetrachloride
Concen: 50.774 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

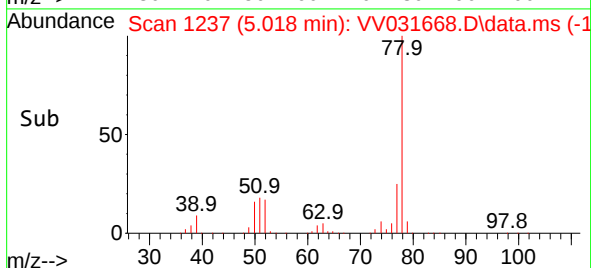
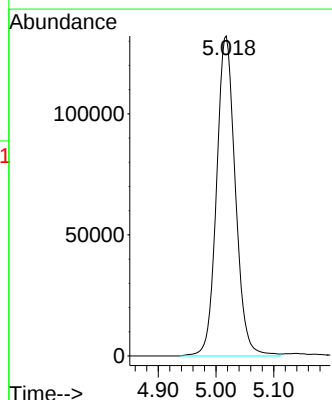
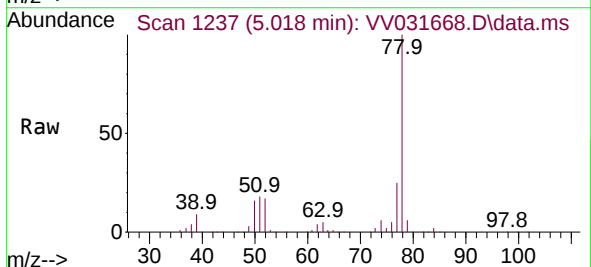
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

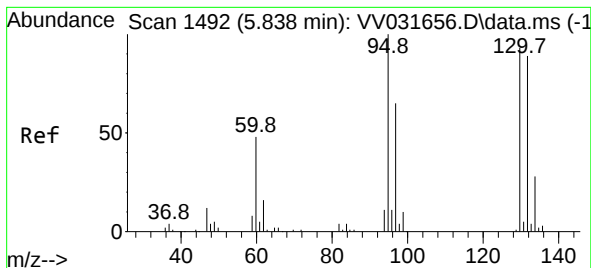
Tgt Ion:117 Resp: 124431
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.4



#33
Benzene
Concen: 52.007 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 78 Resp: 298707





#34

Trichloroethene

Concen: 47.898 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

Tgt Ion: 95 Resp: 73513

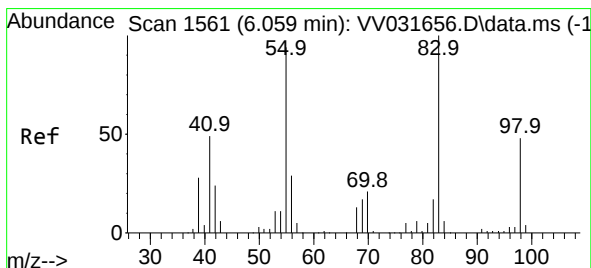
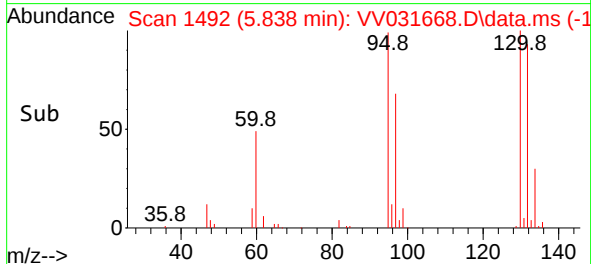
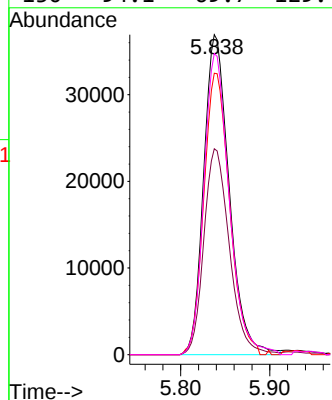
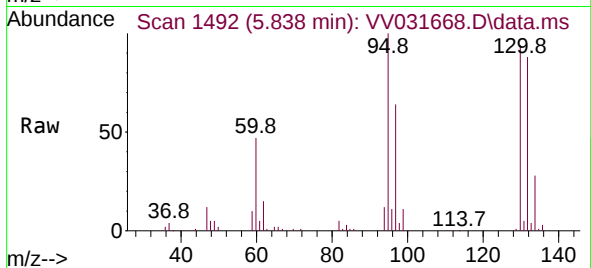
Ion Ratio Lower Upper

95 100

97 64.4 46.8 86.8

132 92.1 66.4 123.2

130 94.1 69.7 129.4



#35

Methylcyclohexane

Concen: 43.253 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

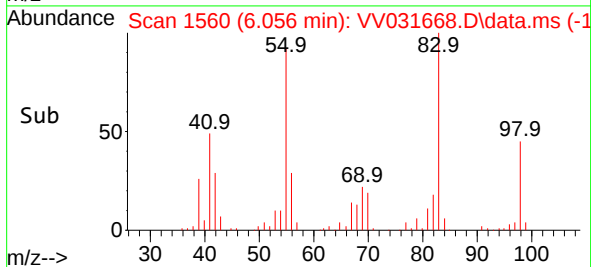
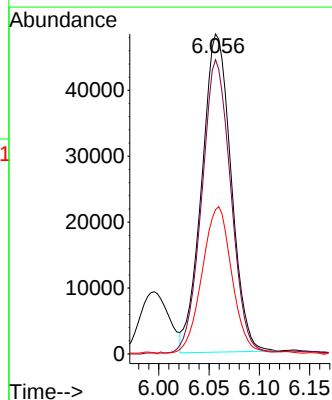
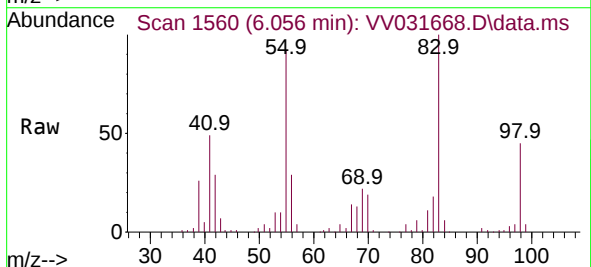
Tgt Ion: 83 Resp: 97813

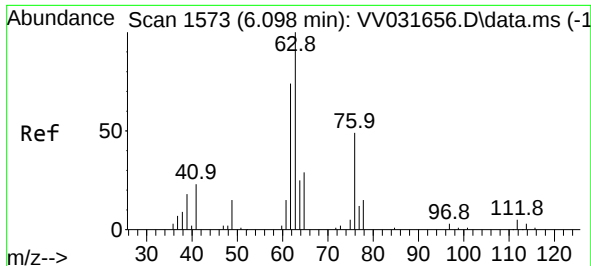
Ion Ratio Lower Upper

83 100

55 91.5 68.7 103.1

98 46.7 37.0 55.4





#37

1,2-Dichloropropane

Concen: 47.980 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

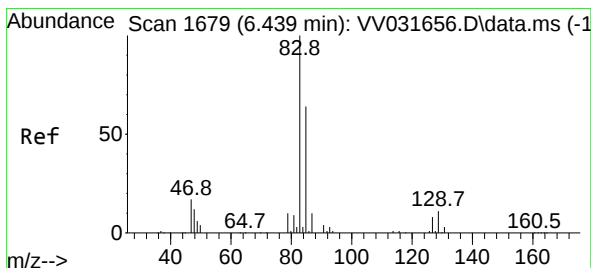
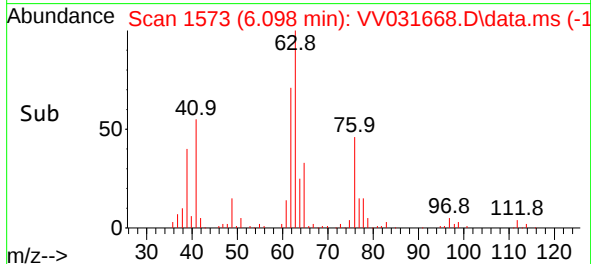
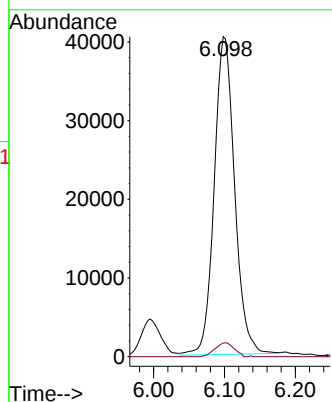
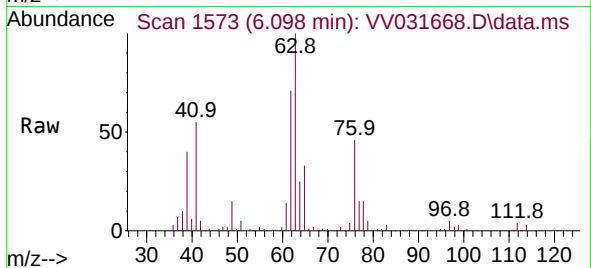
VSTD050387

Tgt Ion: 63 Resp: 80921

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 49.314 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

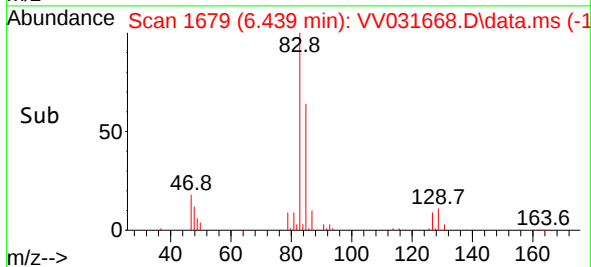
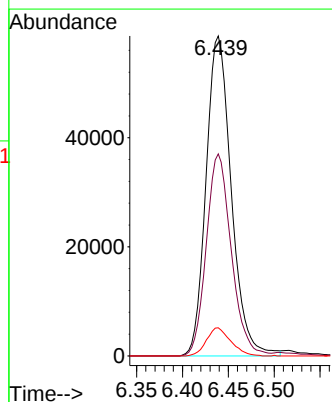
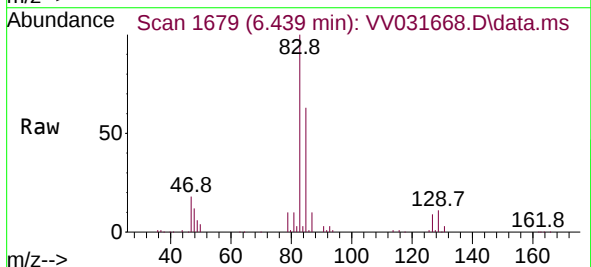
Tgt Ion: 83 Resp: 112419

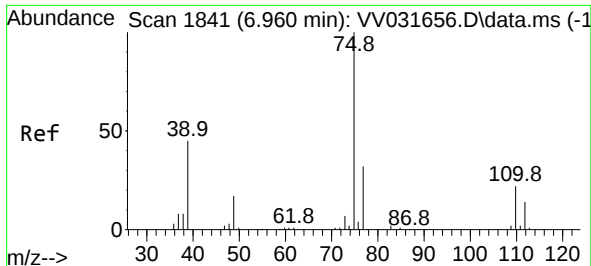
Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

127 9.7 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 47.361 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

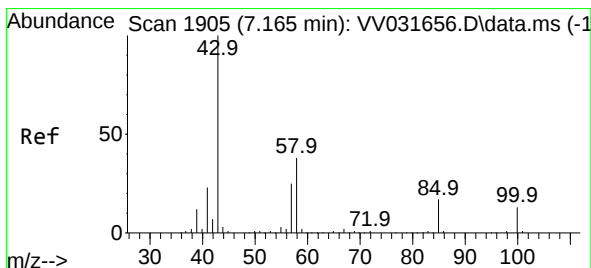
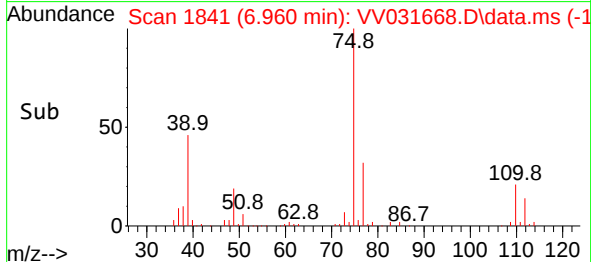
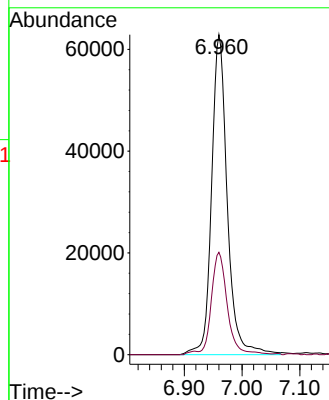
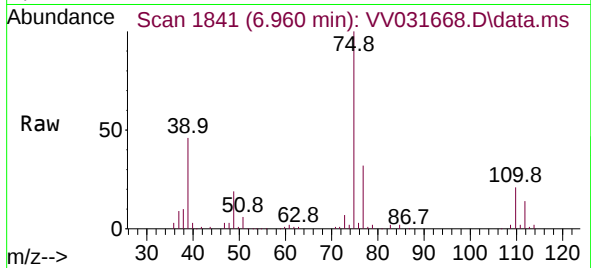
VSTD050387

Tgt Ion: 75 Resp: 118571

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 121.911 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

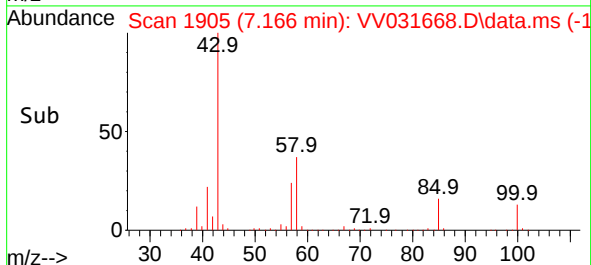
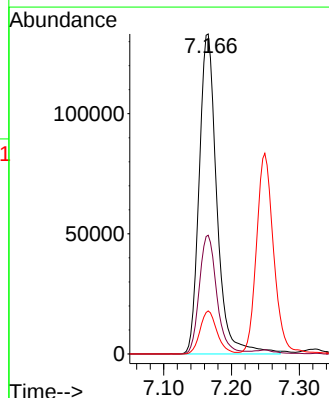
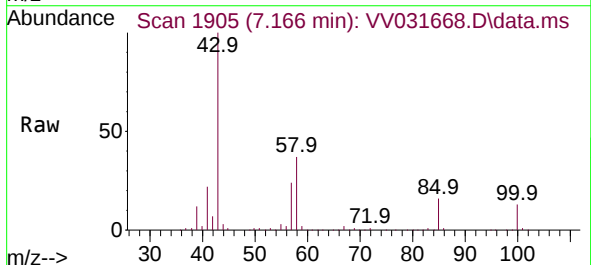
Tgt Ion: 43 Resp: 241429

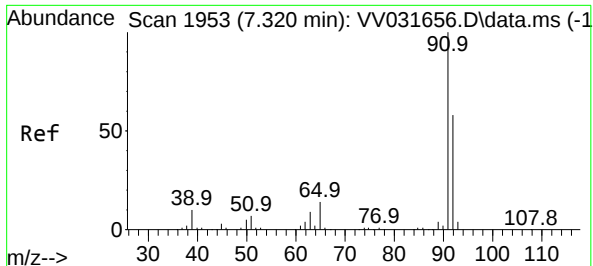
Ion Ratio Lower Upper

43 100

58 36.7 31.8 47.8

100 12.9 11.1 16.7





#42

Toluene

Concen: 52.264 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

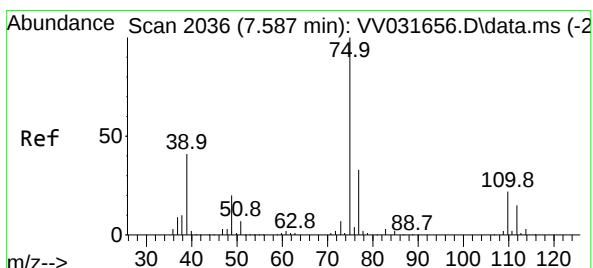
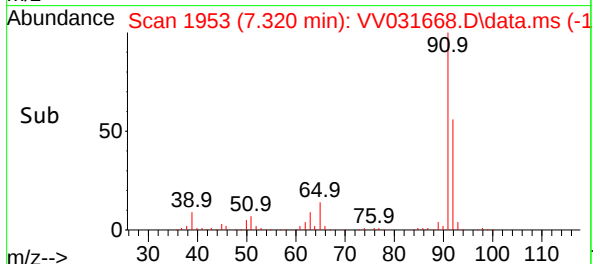
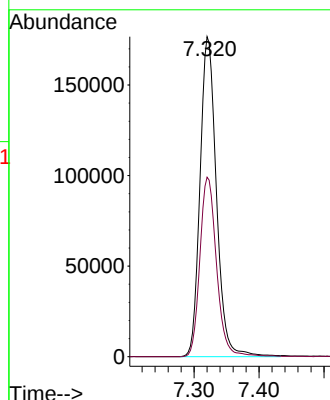
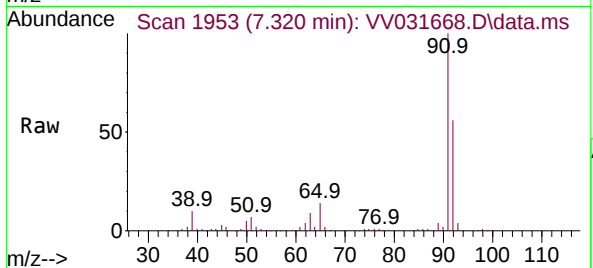
VSTD050387

Tgt Ion: 91 Resp: 311238

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 53.351 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031668.D

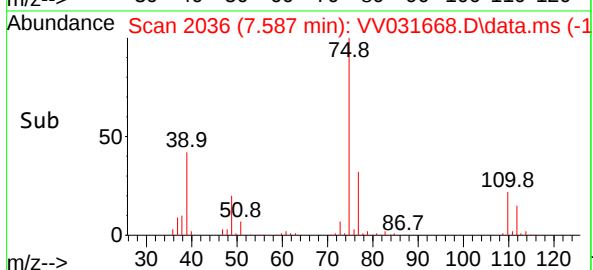
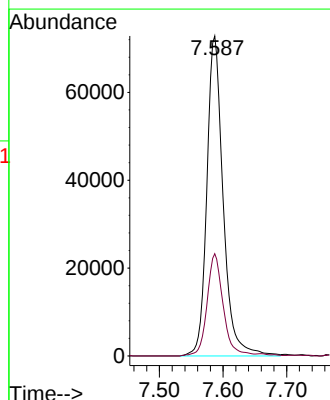
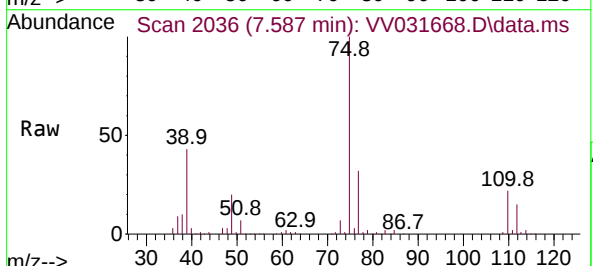
Acq: 10 Jul 2023 15:41

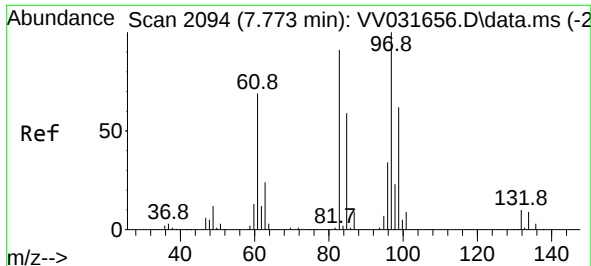
Tgt Ion: 75 Resp: 130074

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.785 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

Tgt Ion: 97 Resp: 77725

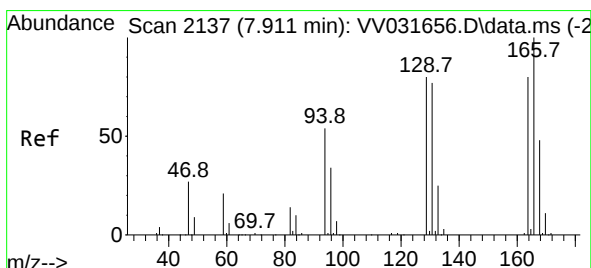
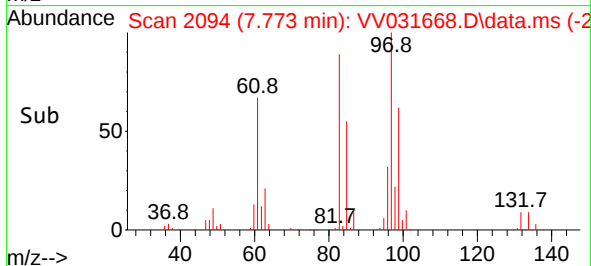
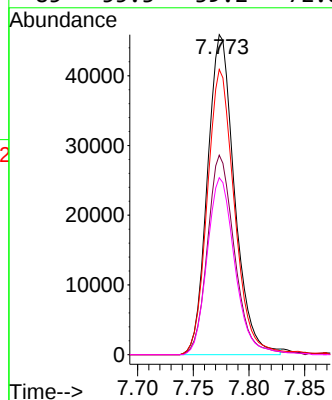
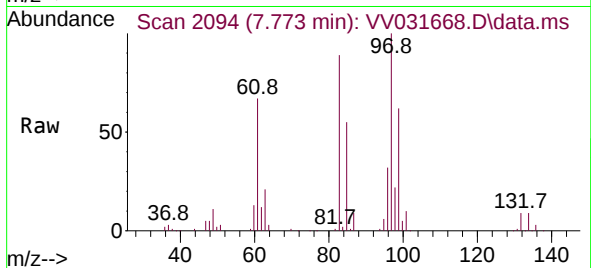
Ion Ratio Lower Upper

97 100

99 62.4 43.7 81.1

83 91.1 60.9 113.1

85 55.3 39.2 72.8



#46

Tetrachloroethene

Concen: 44.211 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Tgt Ion: 164 Resp: 53255

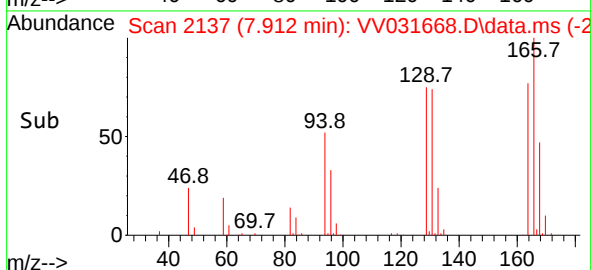
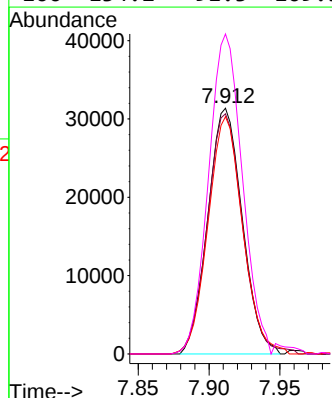
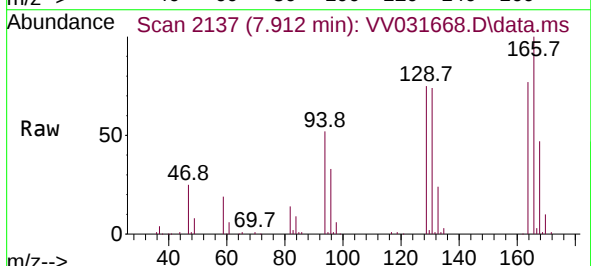
Ion Ratio Lower Upper

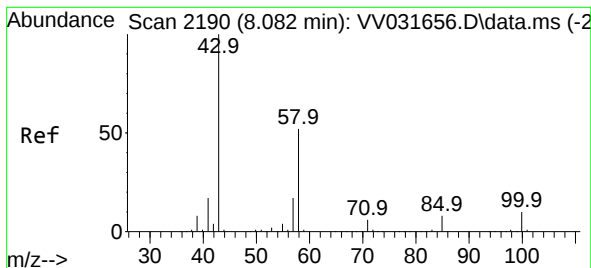
164 100

129 100.1 68.4 127.0

131 98.5 67.6 125.6

166 134.2 91.3 169.5





#48

2-Hexanone

Concen: 112.196 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

Tgt Ion: 43 Resp: 177454

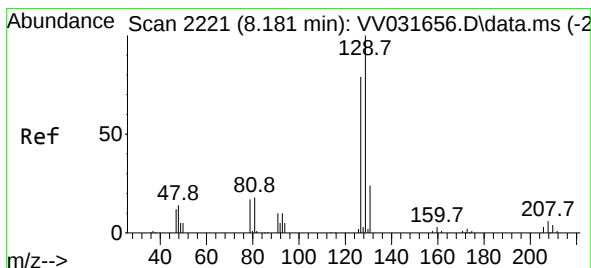
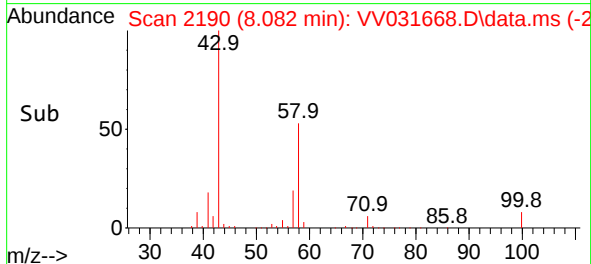
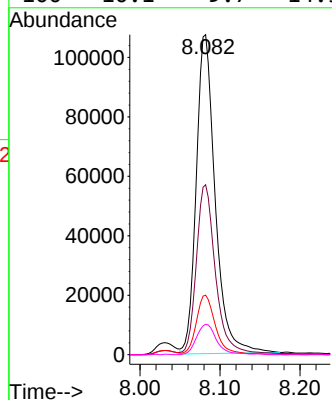
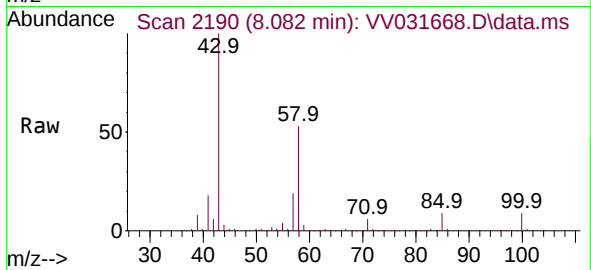
Ion Ratio Lower Upper

43 100

58 53.4 46.7 70.1

57 18.0 15.5 23.3

100 10.1 9.7 14.5



#49

Dibromochloromethane

Concen: 48.996 ug/L

RT: 8.182 min Scan# 2221

Delta R.T. 0.000 min

Lab File: VV031668.D

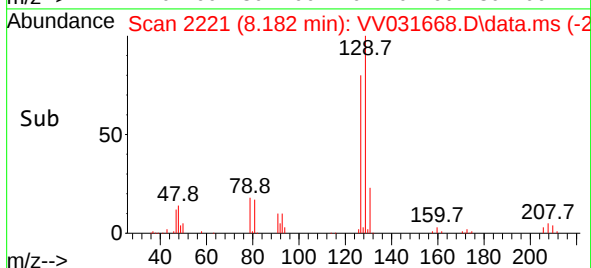
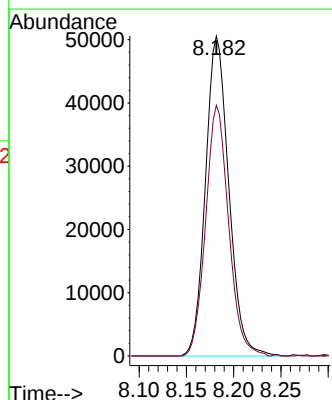
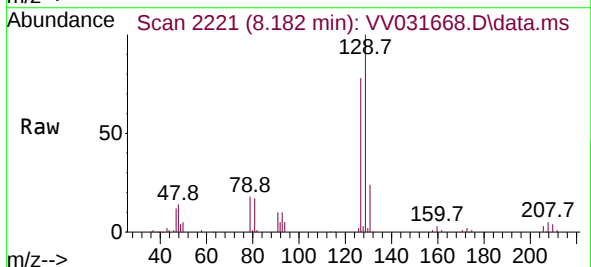
Acq: 10 Jul 2023 15:41

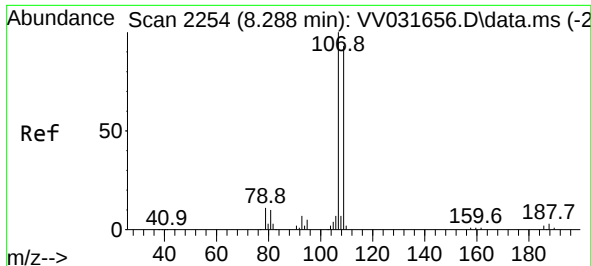
Tgt Ion: 129 Resp: 86759

Ion Ratio Lower Upper

129 100

127 80.0 55.8 103.6

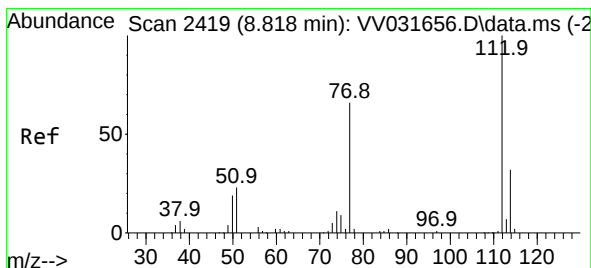
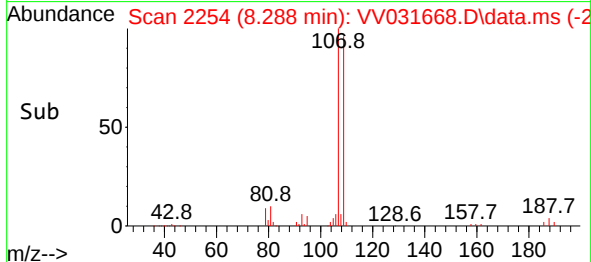
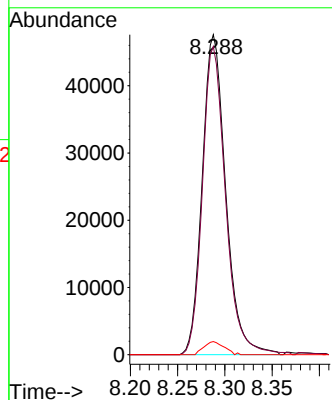
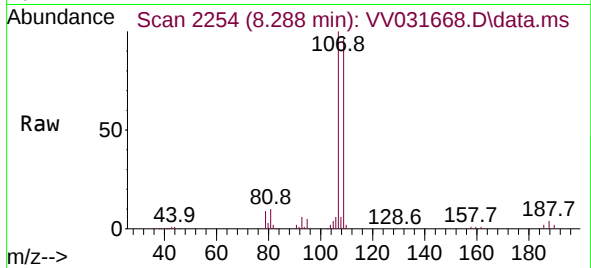




#50
 1,2-Dibromoethane
 Concen: 48.595 ug/L
 RT: 8.288 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

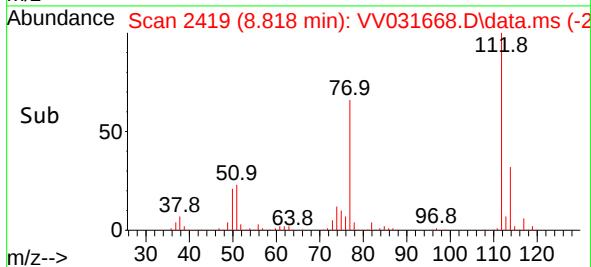
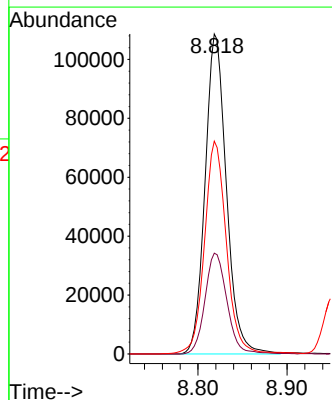
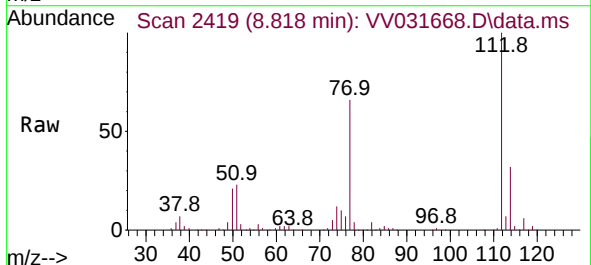
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

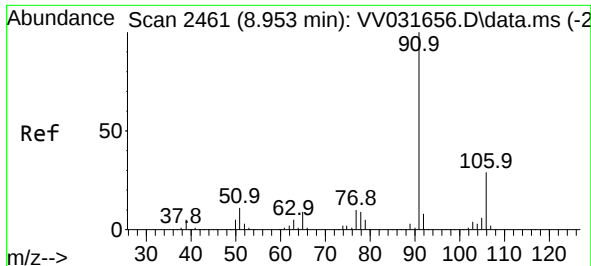
Tgt Ion:107 Resp: 82439
 Ion Ratio Lower Upper
 107 100
 109 96.3 65.7 122.1
 188 4.1 2.6 4.0#



#51
 Chlorobenzene
 Concen: 45.778 ug/L
 RT: 8.818 min Scan# 2419
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

Tgt Ion:112 Resp: 180551
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.9 42.5
 77 66.5 52.5 78.7

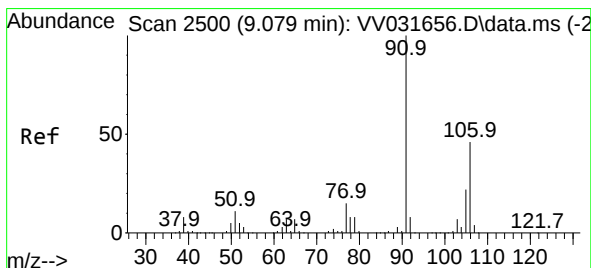
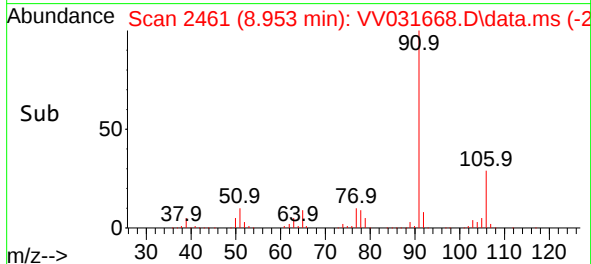
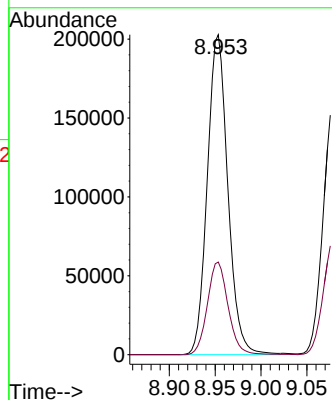
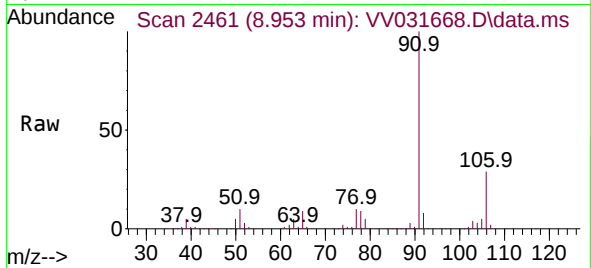




#52
Ethylbenzene
Concen: 47.588 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

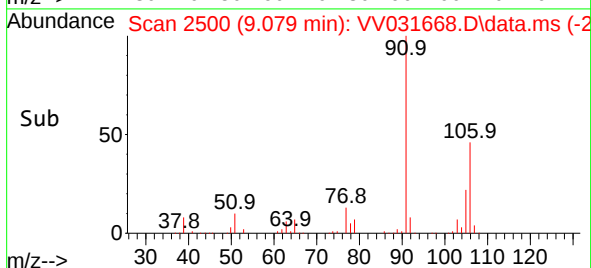
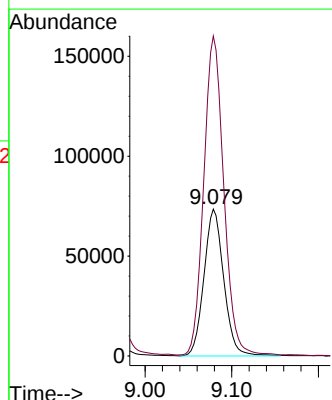
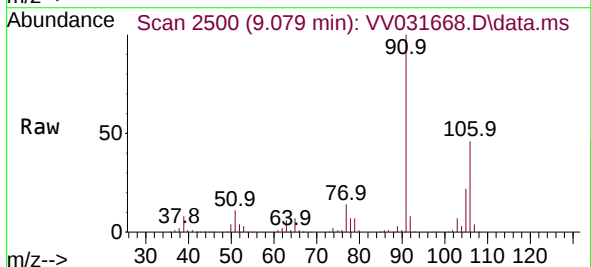
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

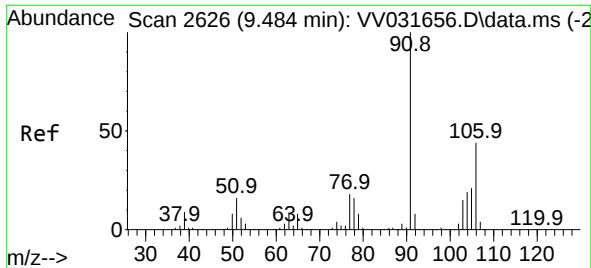
Tgt Ion: 91 Resp: 316215
Ion Ratio Lower Upper
91 100
106 28.9 20.8 38.6



#53
m,p-Xylene
Concen: 47.975 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion:106 Resp: 116743
Ion Ratio Lower Upper
106 100
91 217.8 149.0 276.6

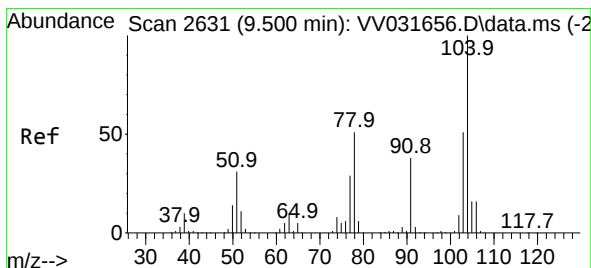
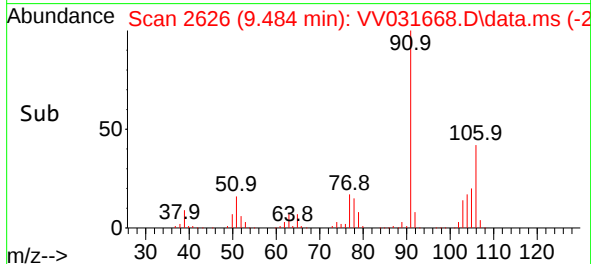
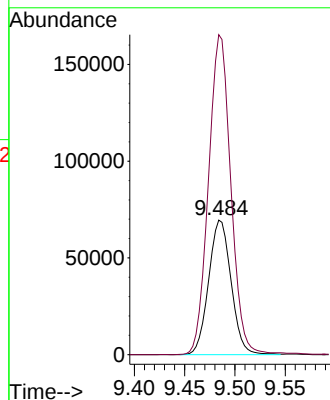
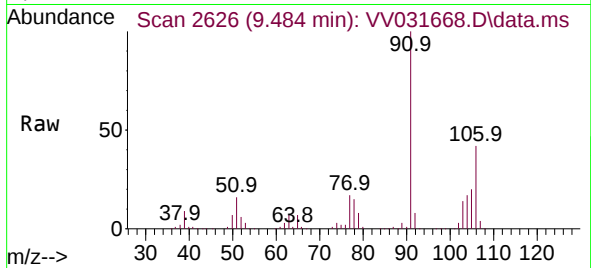




#54
o-Xylene
Concen: 46.859 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

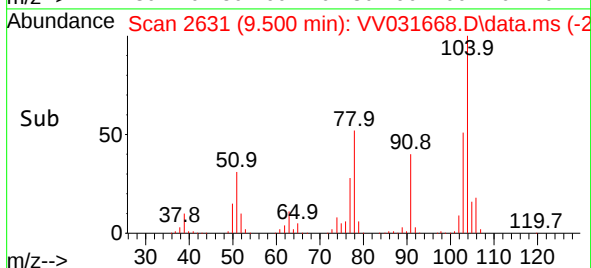
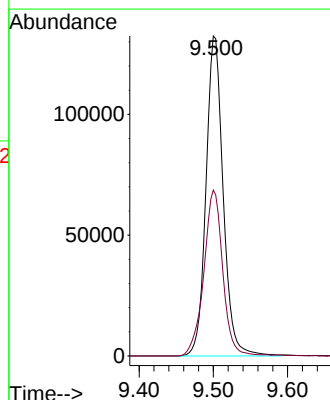
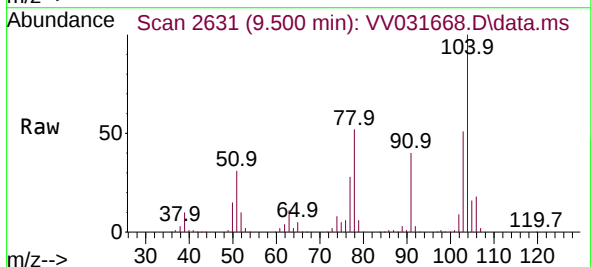
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

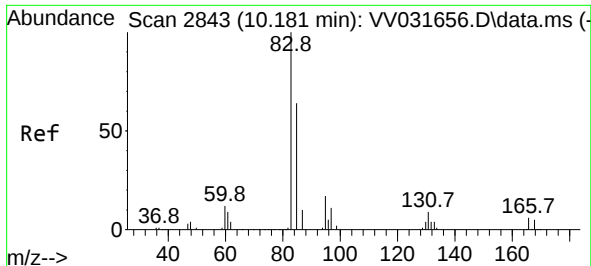
Tgt Ion:106 Resp: 108211
Ion Ratio Lower Upper
106 100
91 237.9 161.3 299.7



#55
Styrene
Concen: 51.583 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion:104 Resp: 212737
Ion Ratio Lower Upper
104 100
78 51.9 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 47.625 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

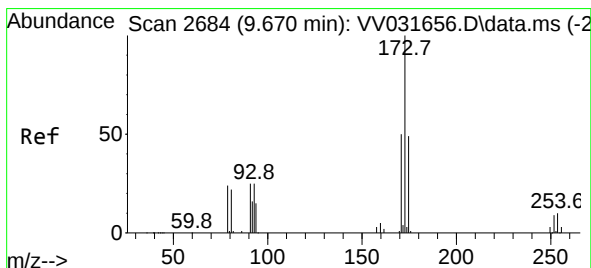
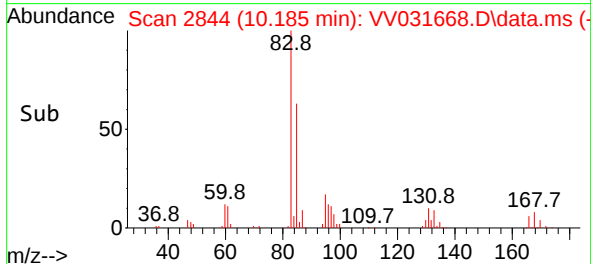
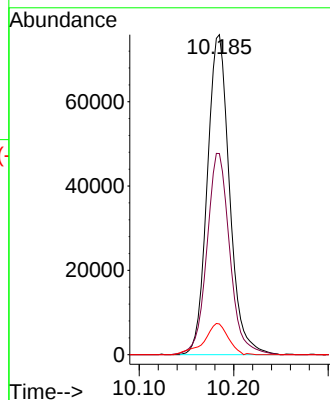
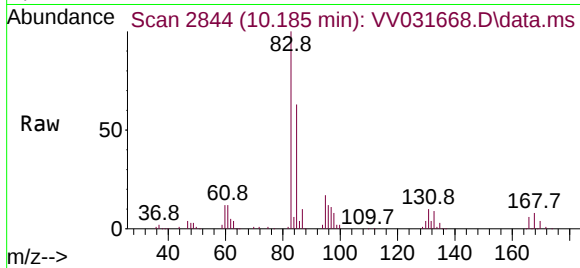
Tgt Ion: 83 Resp: 123979

Ion Ratio Lower Upper

83 100

85 62.9 43.1 80.1

131 13.5 10.6 16.0



#59

Bromoform

Concen: 46.530 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

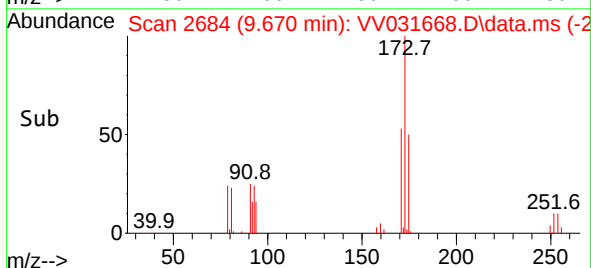
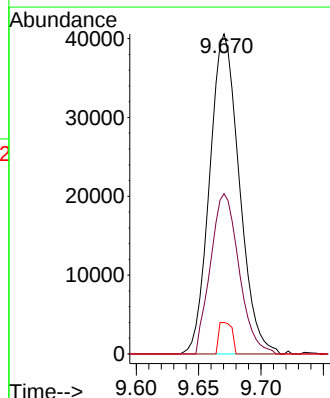
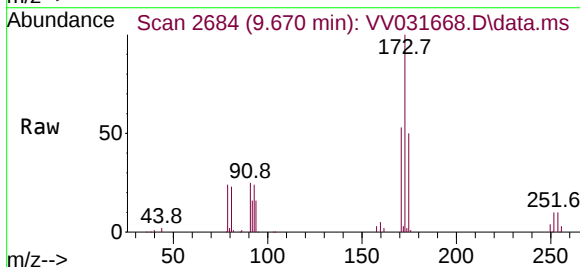
Tgt Ion: 173 Resp: 67258

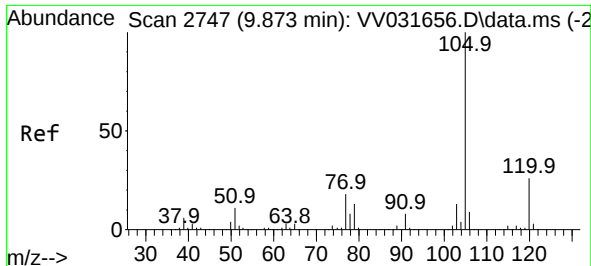
Ion Ratio Lower Upper

173 100

175 48.0 37.7 56.5

254 4.3 0.1 0.1#

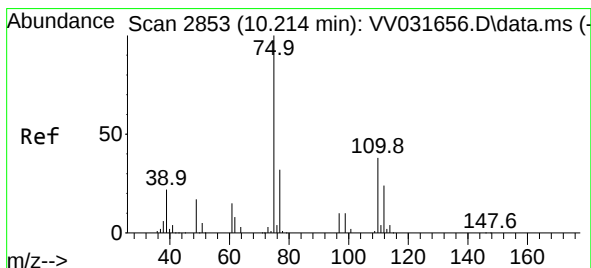
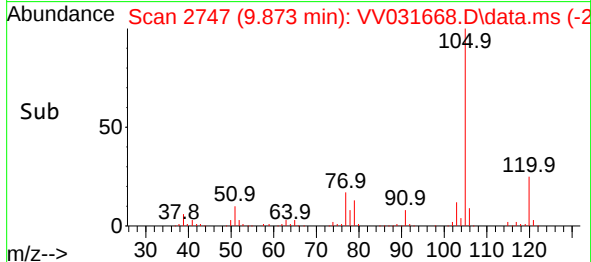
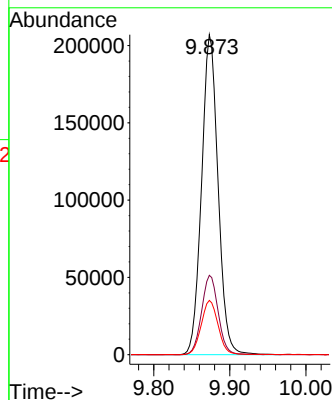
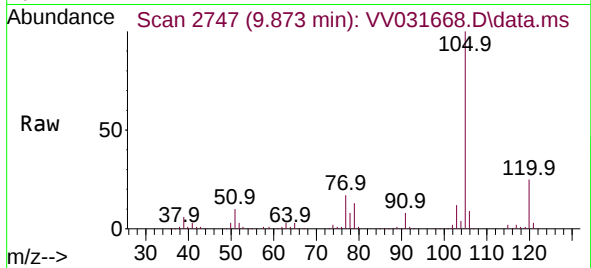




#60
Isopropylbenzene
Concen: 41.926 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

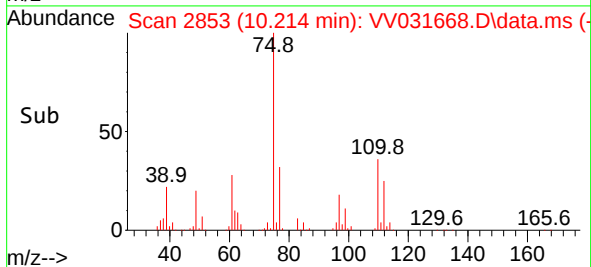
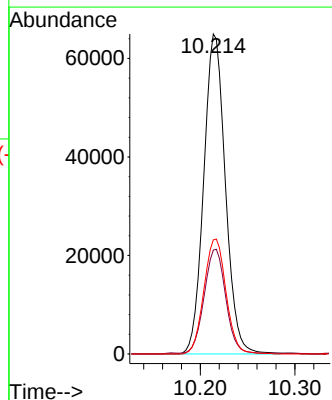
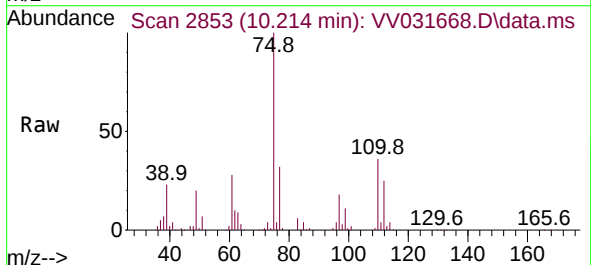
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

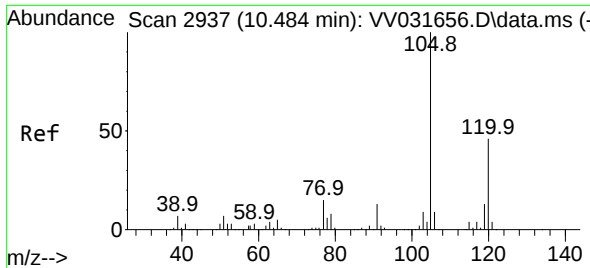
Tgt Ion:105 Resp: 311682
Ion Ratio Lower Upper
105 100
120 24.9 20.2 30.2
77 17.4 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.926 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 75 Resp: 103474
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
110 36.6 31.3 46.9

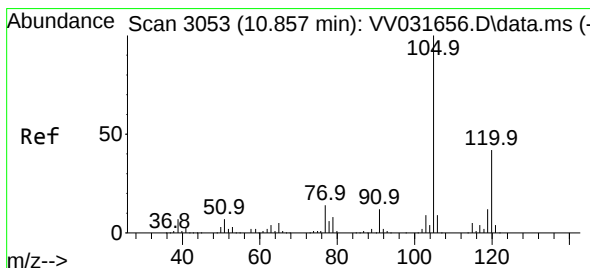
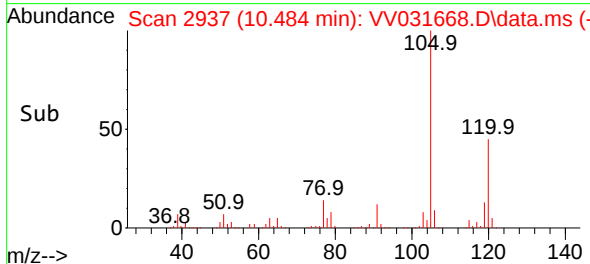
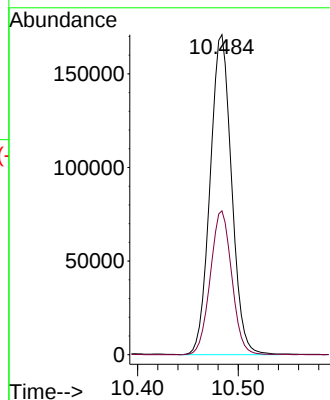
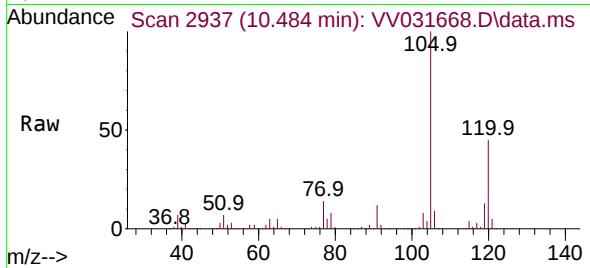




#62
 1,3,5-Trimethylbenzene
 Concen: 41.290 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

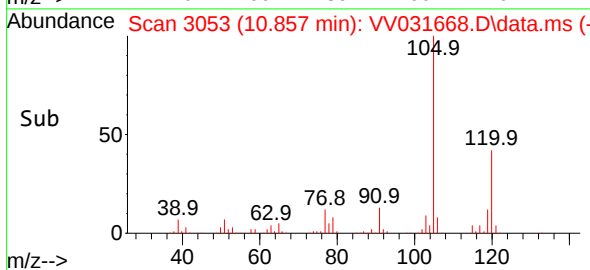
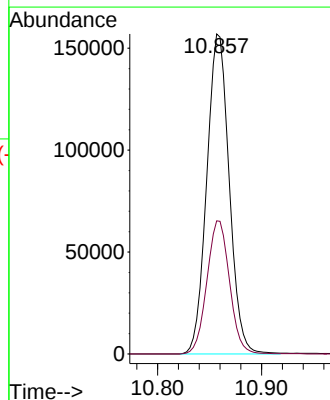
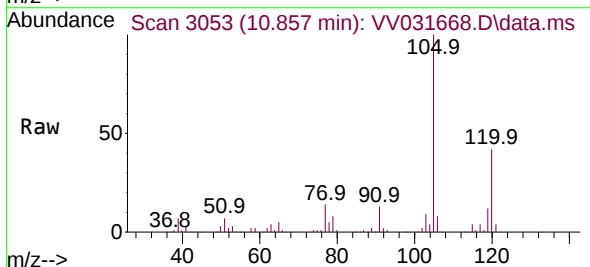
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

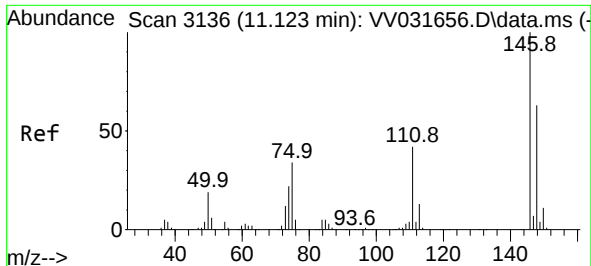
Tgt Ion:105 Resp: 253696
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 41.099 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

Tgt Ion:105 Resp: 235289
 Ion Ratio Lower Upper
 105 100
 120 41.9 33.4 50.2

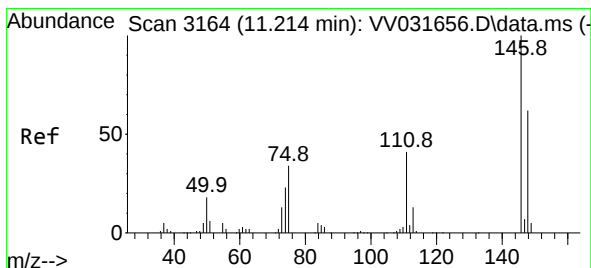
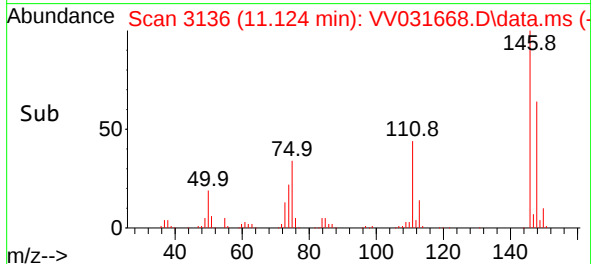
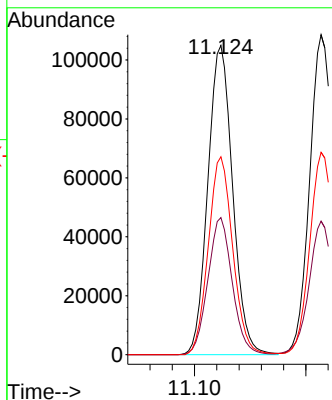
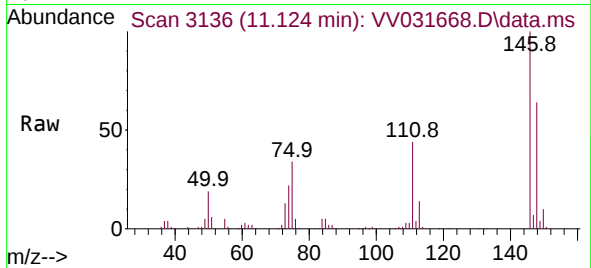




#64
 1,3-Dichlorobenzene
 Concen: 43.552 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

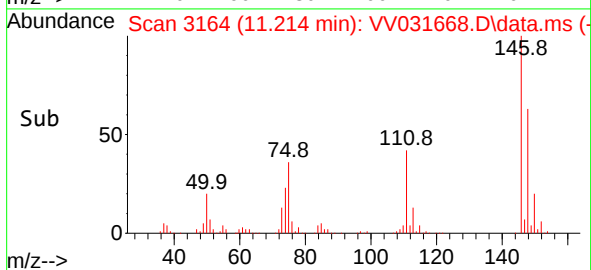
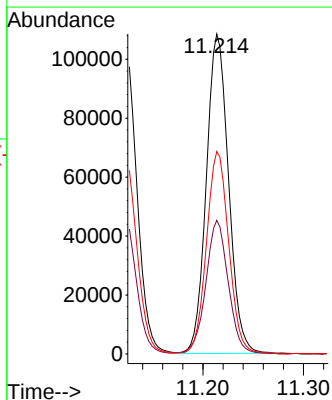
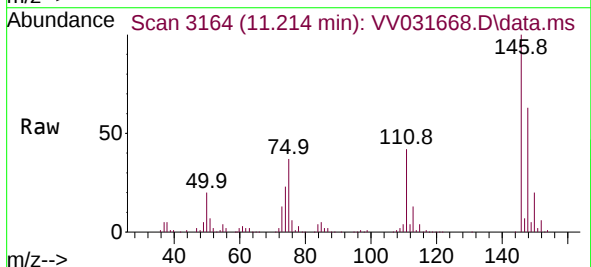
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

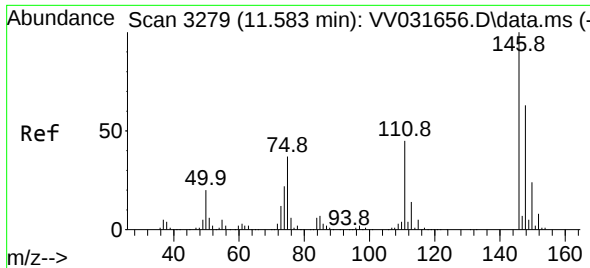
Tgt Ion:146 Resp: 162324
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.4 56.5
 148 64.0 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 41.858 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VV031668.D
 Acq: 10 Jul 2023 15:41

Tgt Ion:146 Resp: 166247
 Ion Ratio Lower Upper
 146 100
 111 41.8 27.9 51.7
 148 63.3 43.6 81.0

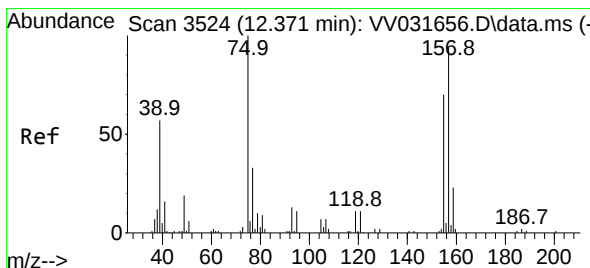
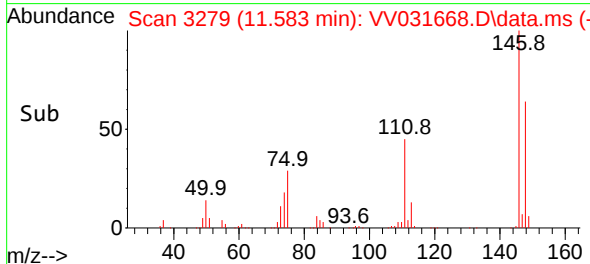
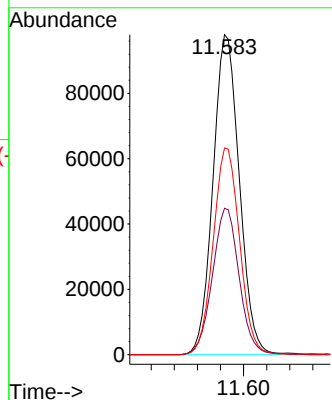
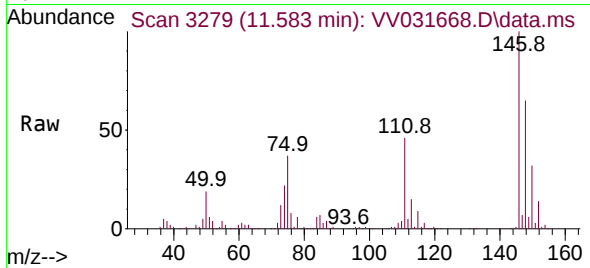




#67
1,2-Dichlorobenzene
Concen: 41.203 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

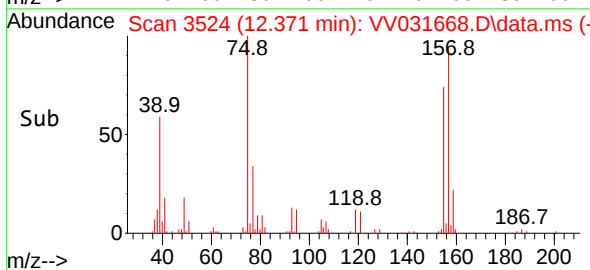
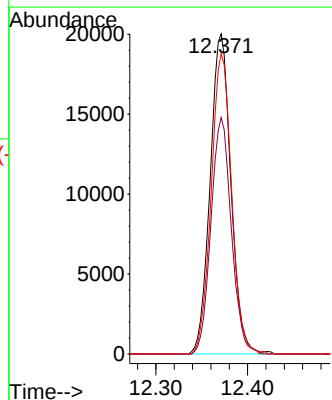
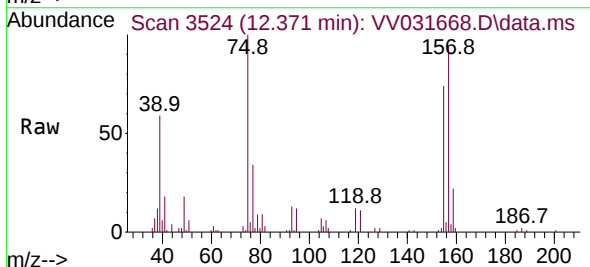
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

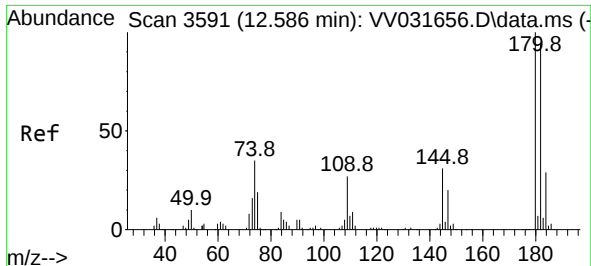
Tgt Ion:146 Resp: 154999
Ion Ratio Lower Upper
146 100
111 45.7 35.9 53.9
148 64.6 52.6 78.8



#68
1,2-Dibromo-3-chloropropane
Concen: 46.023 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion: 75 Resp: 31461
Ion Ratio Lower Upper
75 100
155 73.8 63.2 94.8
157 93.8 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 39.923 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.003 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

Tgt Ion:180 Resp: 113381

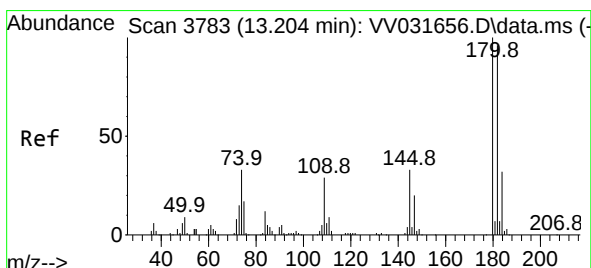
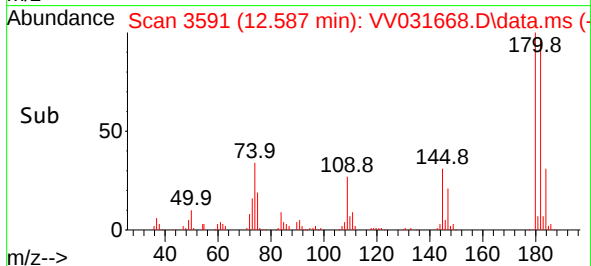
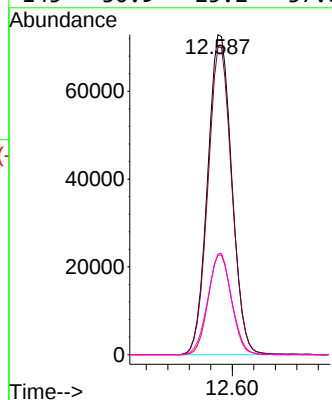
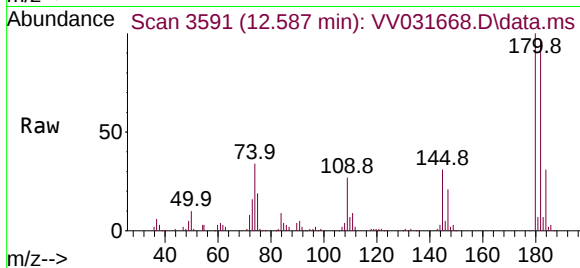
Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

184 30.5 24.7 37.1

145 30.9 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 40.647 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031668.D

Acq: 10 Jul 2023 15:41

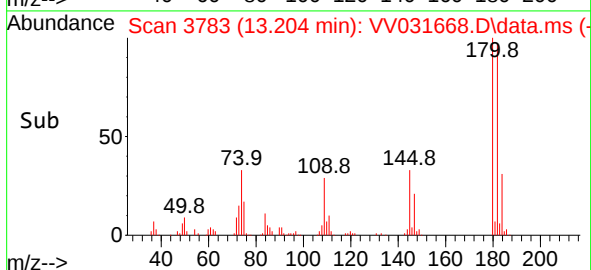
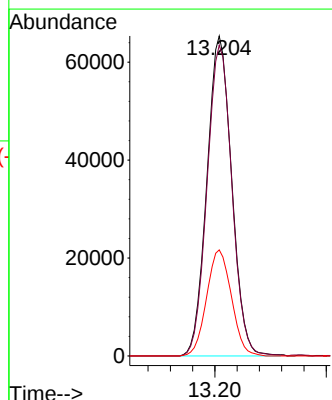
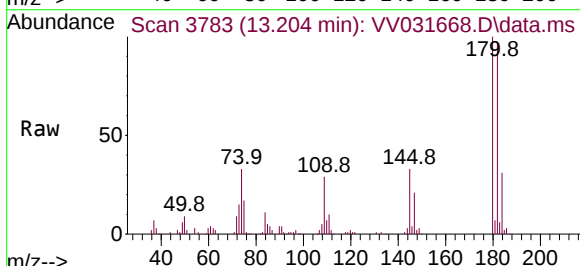
Tgt Ion:180 Resp: 101184

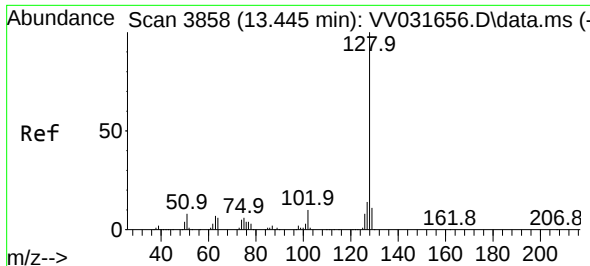
Ion Ratio Lower Upper

180 100

182 97.0 77.7 116.5

145 33.0 26.1 39.1

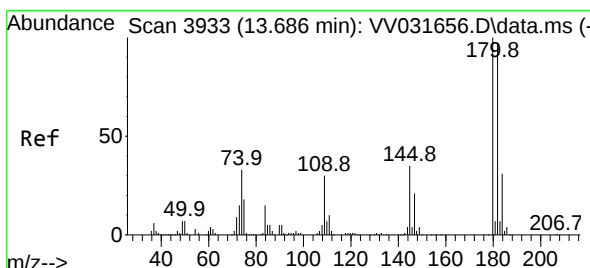
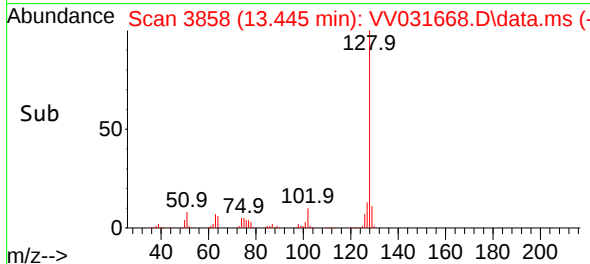
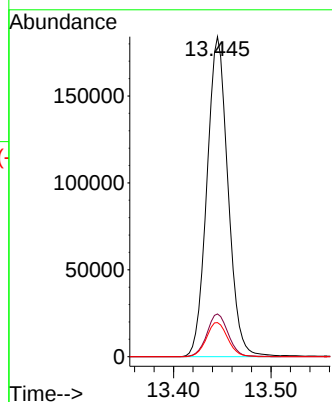
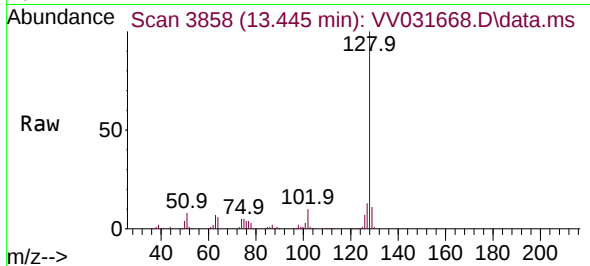




#71
Naphthalene
Concen: 43.827 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

Tgt Ion:128 Resp: 276348
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 42.495 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031668.D
Acq: 10 Jul 2023 15:41

Tgt Ion:180 Resp: 109929
Ion Ratio Lower Upper
180 100
182 95.3 74.0 111.0
145 33.7 26.2 39.2

