

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031387.D
 Acq On : 07 Jun 2023 09:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050359

Quant Time: Jun 07 10:21:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 01 01:56:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	313774	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	307822	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	184255	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	119644	44.617	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.240%
7) Chloroethane-d5	1.532	69	96672	46.796	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.063	65	55666	44.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.540%
21) 2-Butanone-d5	3.796	46	167637	117.321	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.320%
24) Chloroform-d	4.256	84	230735	48.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.280%
26) 1,2-Dichloroethane-d4	4.947	65	150148	46.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.680%
32) Benzene-d6	4.966	84	409519	49.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
36) 1,2-Dichloropropane-d6	5.995	67	139332	55.803	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.600%
41) Toluene-d8	7.249	98	388167	49.839	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.680%
43) trans-1,3-Dichloroprop...	7.558	79	70719	56.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.900%
47) 2-Hexanone-d5	8.030	63	109369	112.345	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.350%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	180839	48.289	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.580%
66) 1,2-Dichlorobenzene-d4	11.567	152	147176	44.450	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	166165	82.029	ug/L	98
3) Chloromethane	1.217	50	169095	76.248	ug/L	99
5) Vinyl chloride	1.285	62	161751	81.658	ug/L	99
6) Bromomethane	1.487	94	100926	90.915	ug/L	98
8) Chloroethane	1.548	64	100111	78.431	ug/L	98
9) Trichlorofluoromethane	1.716	101	240583	61.750	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	129062	62.816	ug/L	98
12) 1,1-Dichloroethene	2.072	96	116053	66.584	ug/L	91
13) Acetone	2.121	43	190286	102.436	ug/L	94
14) Carbon disulfide	2.243	76	362241	114.047	ug/L	99
15) Methyl Acetate	2.378	43	153766	72.833	ug/L	96
16) Methylene chloride	2.449	84	128988	66.475	ug/L	94
17) trans-1,2-Dichloroethene	2.699	96	117010	72.610	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	391013	62.811	ug/L	94
19) 1,1-Dichloroethane	3.117	63	249028	67.808	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	125525	63.187	ug/L	89
22) 2-Butanone	3.873	43	223594	125.518	ug/L	96
23) Bromochloromethane	4.153	128	66536	60.949	ug/L	88
25) Chloroform	4.281	83	255011	62.159	ug/L	98

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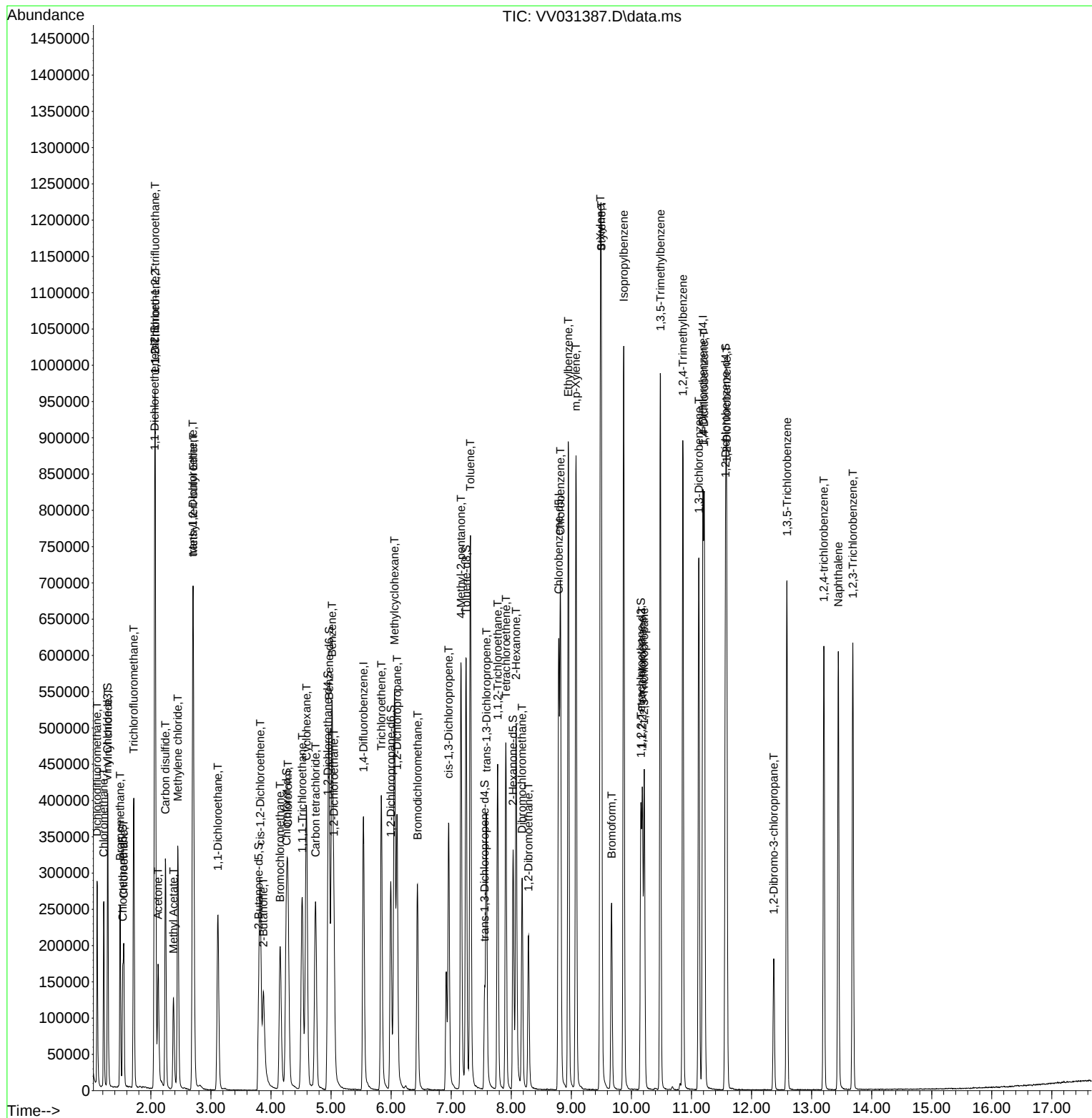
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	210058	60.347	ug/L	99
29) Cyclohexane	4.590	56	216451	89.360	ug/L	89
30) 1,1,1-Trichloroethane	4.519	97	226415	59.941	ug/L	97
31) Carbon tetrachloride	4.741	117	204249	62.068	ug/L	100
33) Benzene	5.014	78	503829	68.320	ug/L	100
34) Trichloroethene	5.838	95	145292	73.529	ug/L	95
35) Methylcyclohexane	6.056	83	218269	83.244	ug/L	92
37) 1,2-Dichloropropane	6.098	63	149047	73.431	ug/L #	96
38) Bromodichloromethane	6.439	83	194295	61.751	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	223362	71.364	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	409263	131.033	ug/L	97
42) Toluene	7.320	91	545008	68.308	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	220121	69.520	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	130987	59.139	ug/L	96
46) Tetrachloroethene	7.911	164	103394	60.937	ug/L	95
48) 2-Hexanone	8.082	43	335556	128.988	ug/L	97
49) Dibromochloromethane	8.182	129	142348	56.962	ug/L	98
50) 1,2-Dibromoethane	8.288	107	140151	63.644	ug/L	99
51) Chlorobenzene	8.818	112	336637	59.279	ug/L	93
52) Ethylbenzene	8.950	91	606719	66.417	ug/L	97
53) m,p-Xylene	9.079	106	221341	62.463	ug/L	93
54) o-Xylene	9.484	106	210822	60.309	ug/L	91
55) Styrene	9.500	104	391856	63.382	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	193315	53.120	ug/L #	97
59) Bromoform	9.670	173	111189	52.043	ug/L	100
60) Isopropylbenzene	9.873	105	598222	60.707	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	174459	61.547	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	494888	61.097	ug/L	94
63) 1,2,4-Trimethylbenzene	10.857	105	457658	57.785	ug/L	94
64) 1,3-Dichlorobenzene	11.124	146	280852	55.623	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	287251	54.685	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	276628	53.994	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	47448	54.530	ug/L	88
69) 1,3,5-Trichlorobenzene	12.590	180	206792	52.980	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	176336	53.085	ug/L	99
71) Naphthalene	13.445	128	431179	49.973	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	176346	53.126	ug/L	96

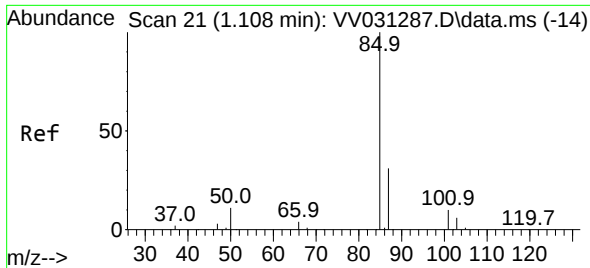
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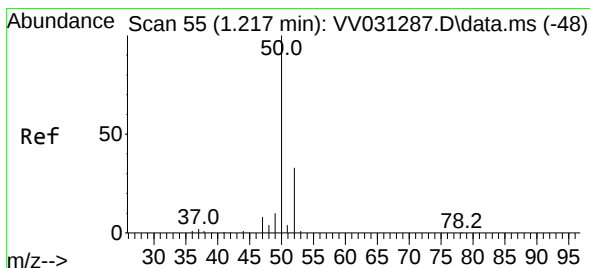
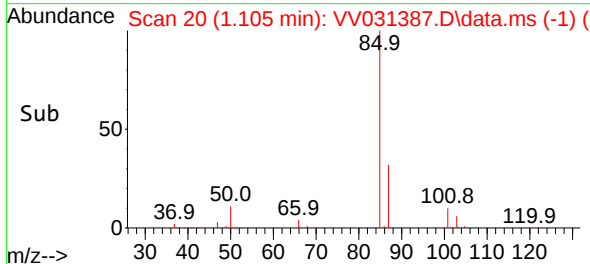
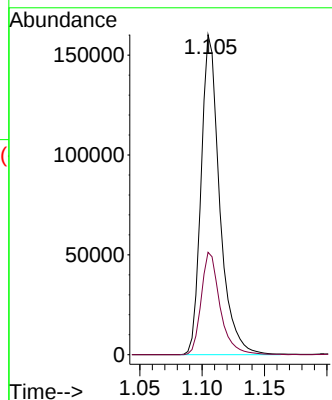
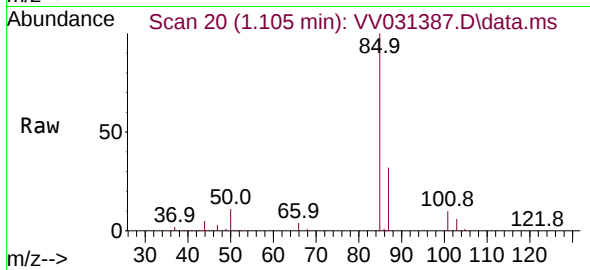




#2
 Dichlorodifluoromethane
 Concen: 82.029 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

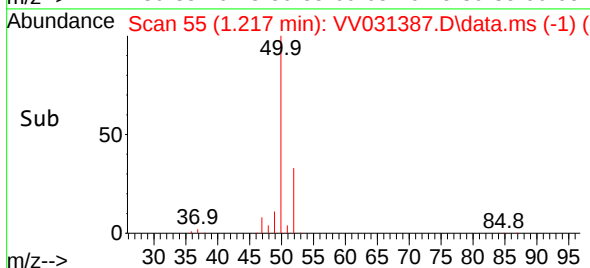
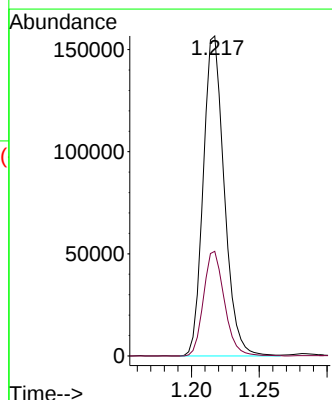
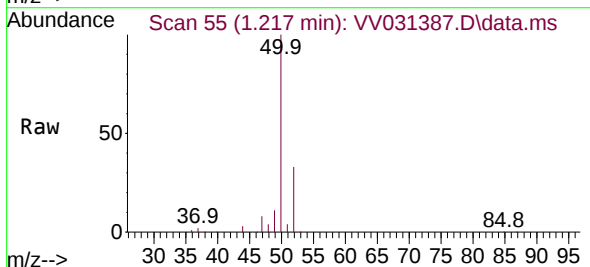
Instrument :
 MSVOA_V
 ClientSampleId :
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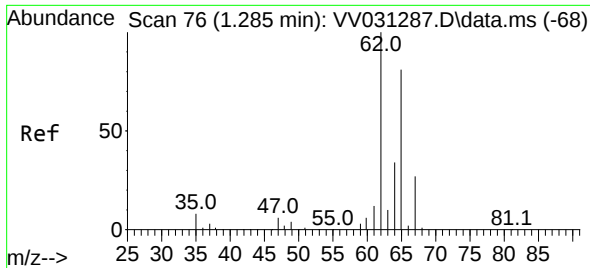
Tgt Ion: 85 Resp: 166165
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.2 37.8



#3
 Chloromethane
 Concen: 76.248 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

Tgt Ion: 50 Resp: 169095
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.3 43.3

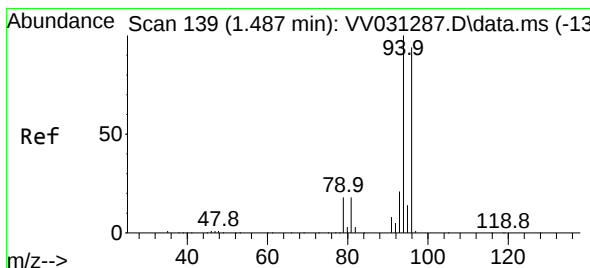
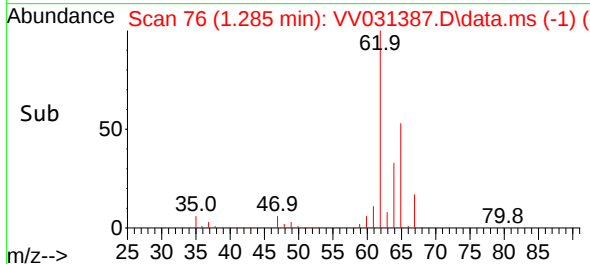
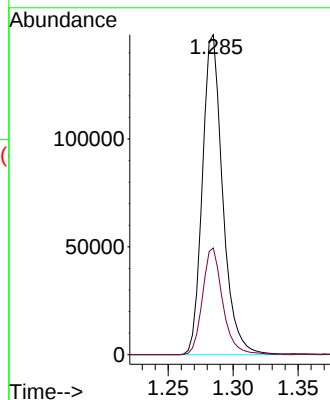
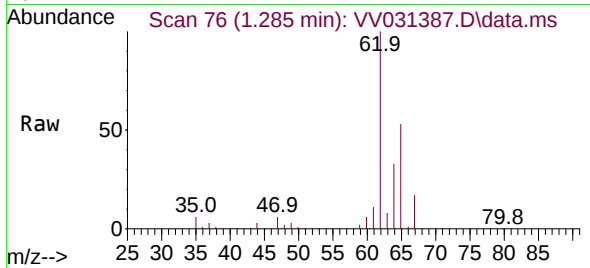




#5
 Vinyl chloride
 Concen: 81.658 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

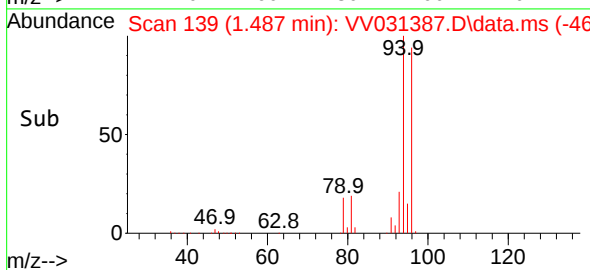
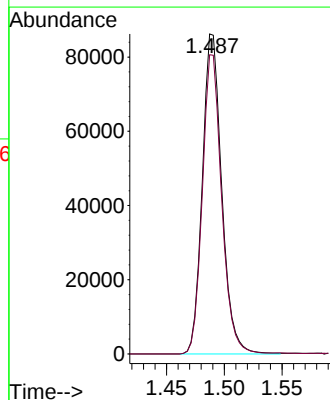
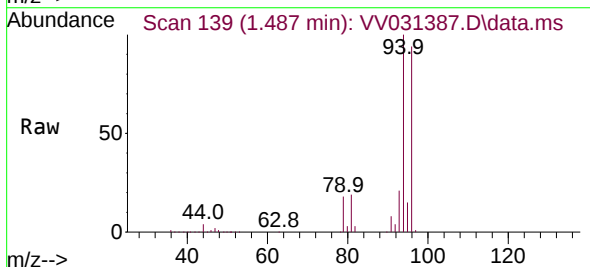
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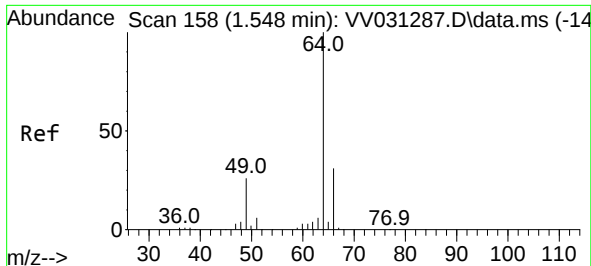
Tgt Ion: 62 Resp: 161751
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.1 42.9



#6
 Bromomethane
 Concen: 90.915 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

Tgt Ion: 94 Resp: 100926
 Ion Ratio Lower Upper
 94 100
 96 93.5 63.9 118.7

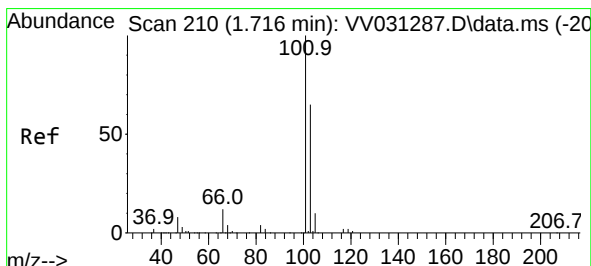
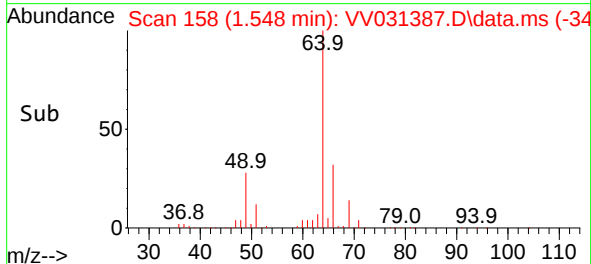
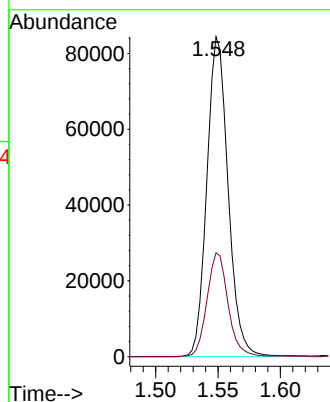
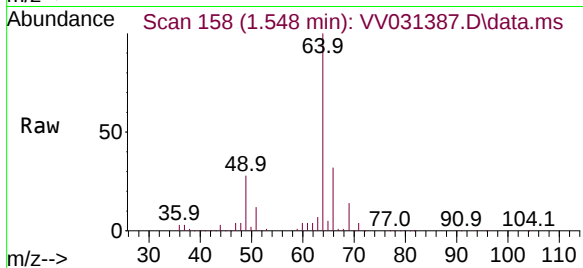




#8
Chloroethane
Concen: 78.431 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

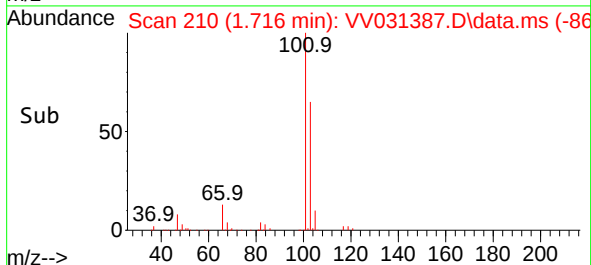
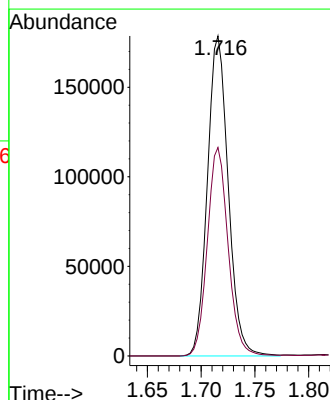
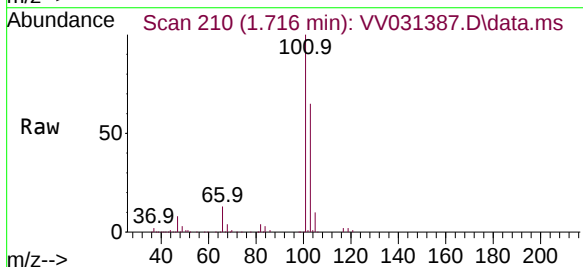
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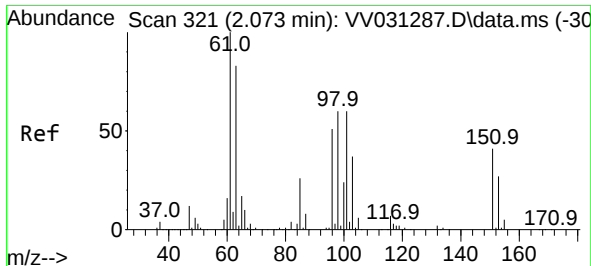
Tgt Ion: 64 Resp: 100111
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 61.750 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:101 Resp: 240583
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

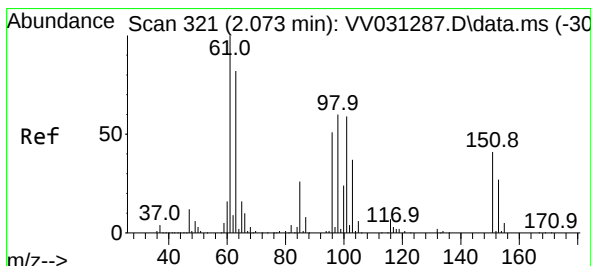
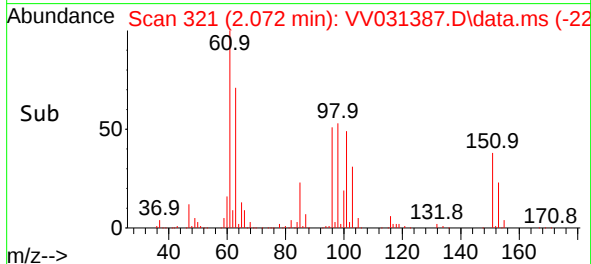
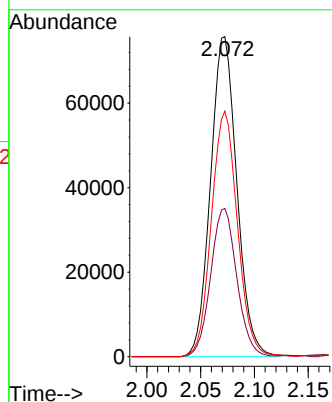
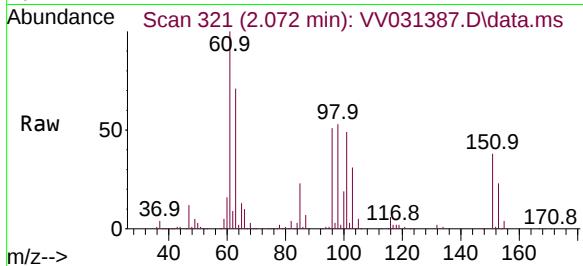




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 62.816 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

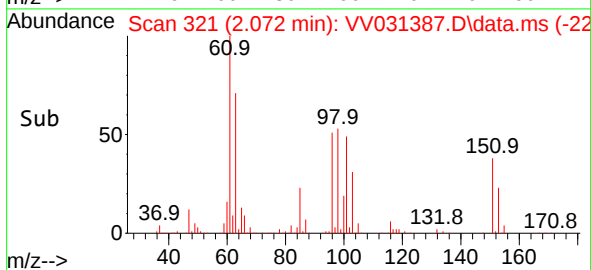
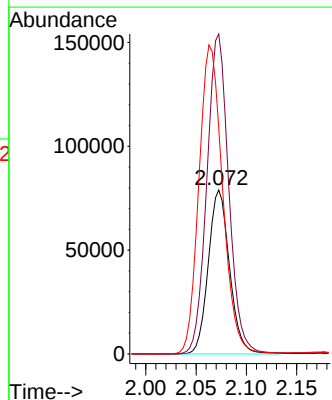
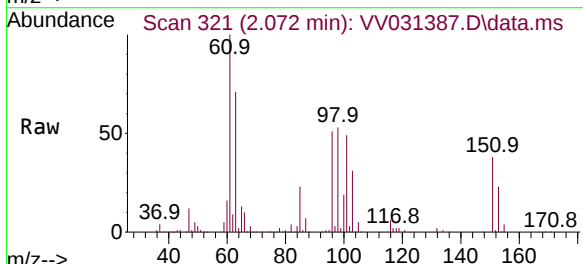
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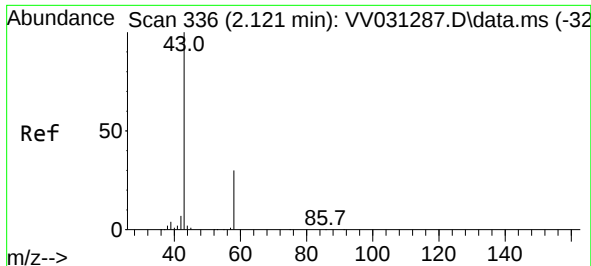
Tgt Ion:101 Resp: 129062
 Ion Ratio Lower Upper
 101 100
 85 45.9 38.0 57.0
 151 75.9 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 66.584 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

Tgt Ion: 96 Resp: 116053
 Ion Ratio Lower Upper
 96 100
 61 195.0 137.9 256.1
 63 137.6 114.2 212.0





#13

Acetone

Concen: 102.436 ug/L

RT: 2.121 min Scan# 336

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

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ClientSampleId :

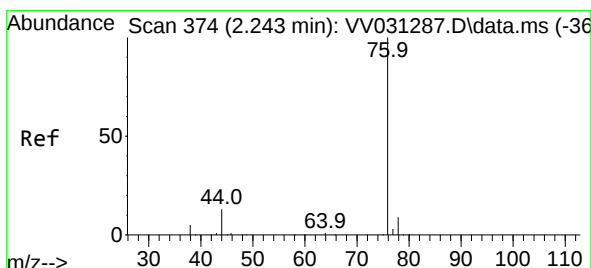
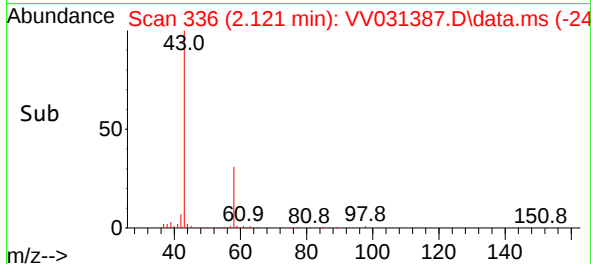
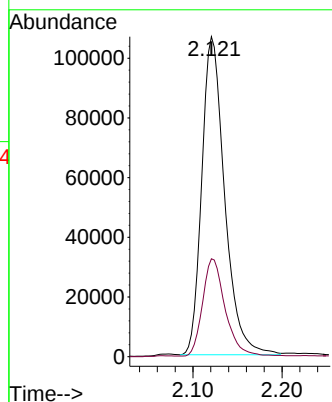
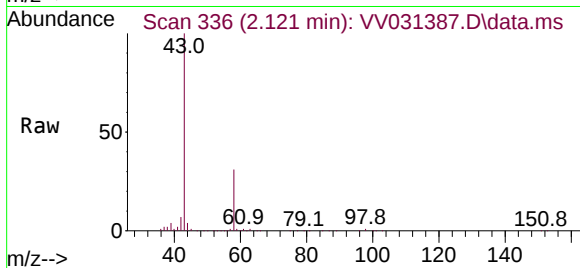
VSTD050359

Tgt Ion: 43 Resp: 190286

Ion Ratio Lower Upper

43 100

58 30.0 0.0 54.0



#14

Carbon disulfide

Concen: 114.047 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

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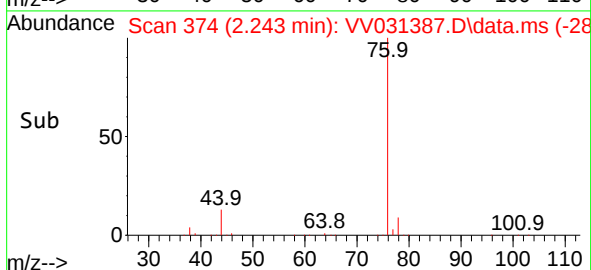
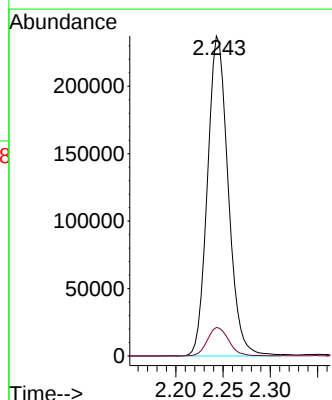
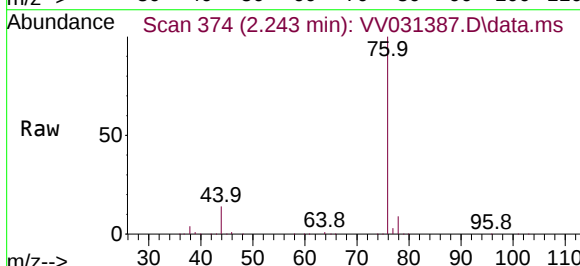
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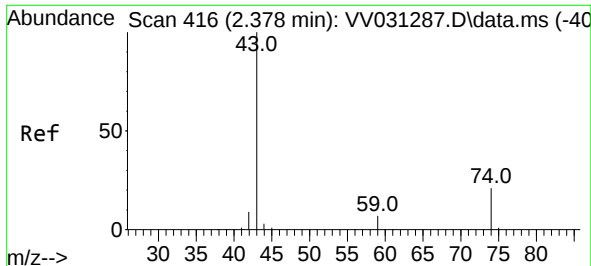
Tgt Ion: 76 Resp: 362241

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

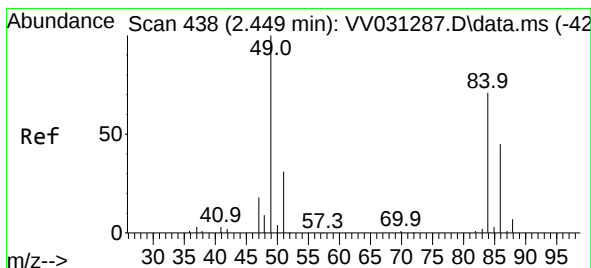
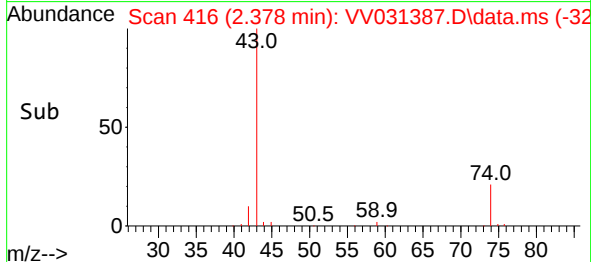
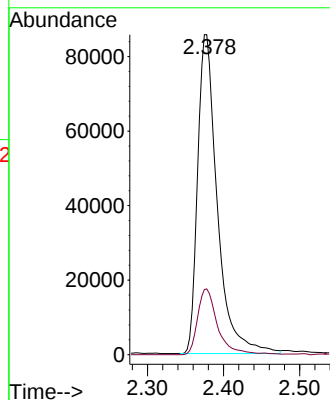
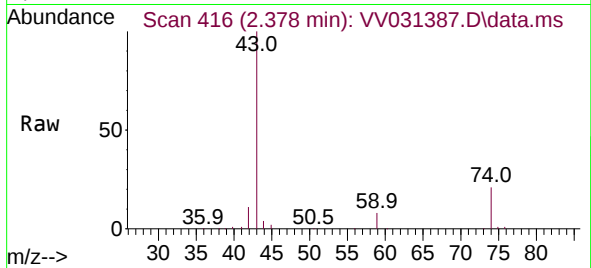




#15
Methyl Acetate
Concen: 72.833 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

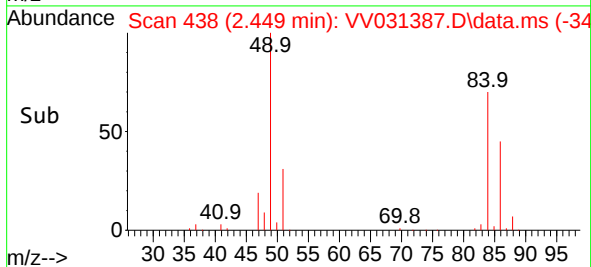
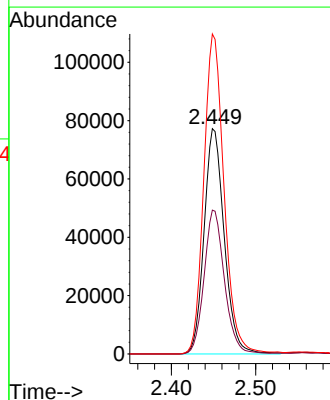
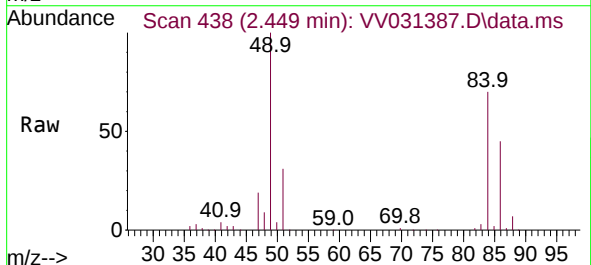
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

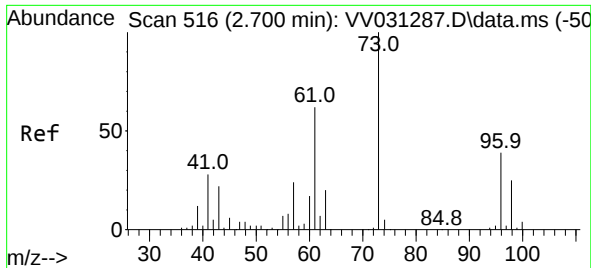
Tgt Ion: 43 Resp: 153766
Ion Ratio Lower Upper
43 100
74 20.7 18.1 27.1



#16
Methylene chloride
Concen: 66.475 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 84 Resp: 128988
Ion Ratio Lower Upper
84 100
86 63.8 43.3 80.3
49 142.0 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 72.610 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

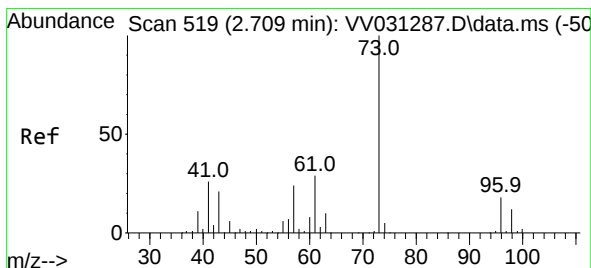
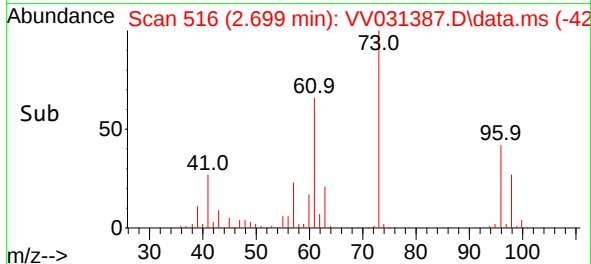
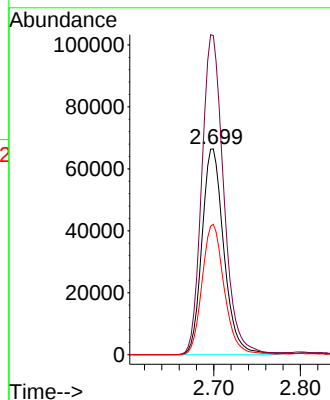
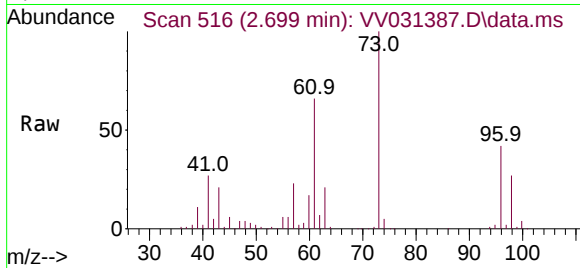
Tgt Ion: 96 Resp: 117010

Ion Ratio Lower Upper

96 100

61 155.1 100.0 185.6

98 63.4 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 62.811 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.003 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

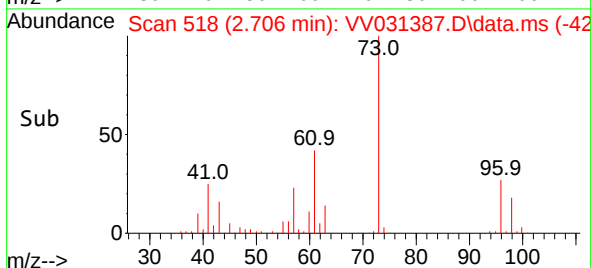
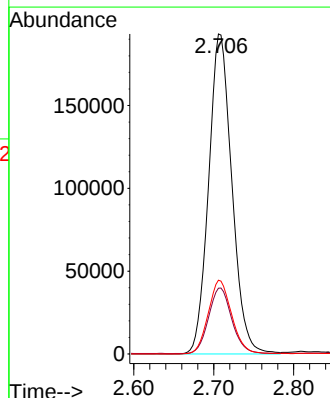
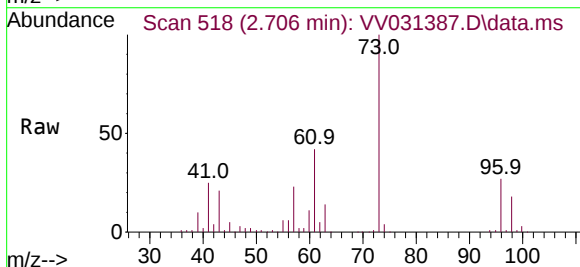
Tgt Ion: 73 Resp: 391013

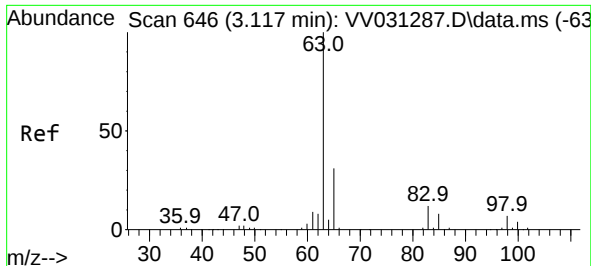
Ion Ratio Lower Upper

73 100

43 20.3 19.4 29.2

57 23.2 17.1 25.7





#19

1,1-Dichloroethane

Concen: 67.808 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

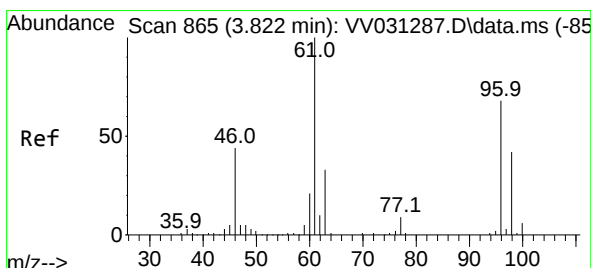
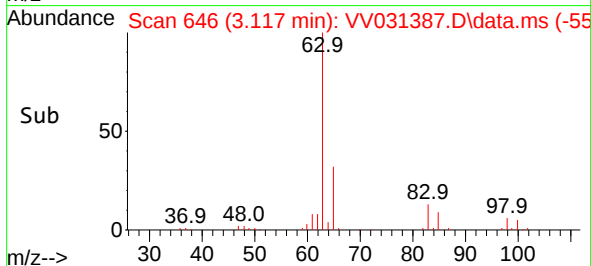
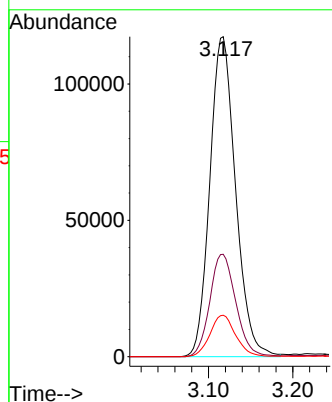
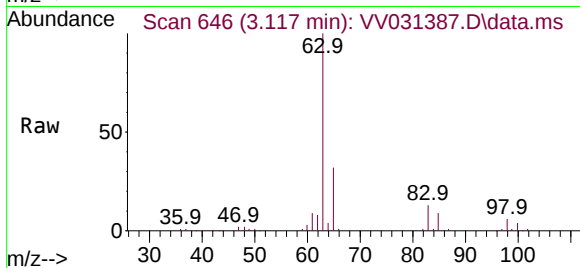
Tgt Ion: 63 Resp: 249028

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

83 13.0 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 63.187 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

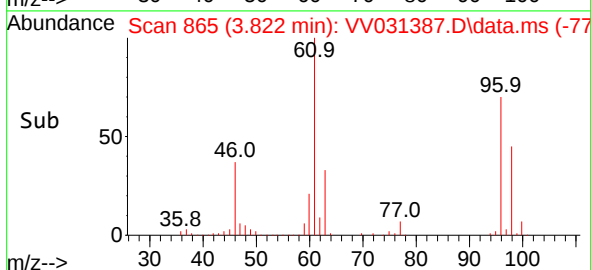
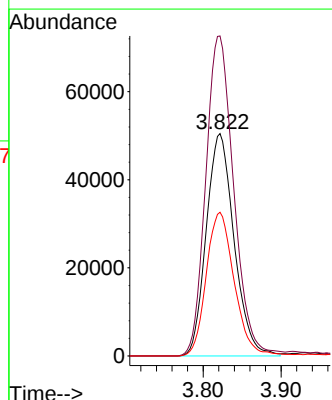
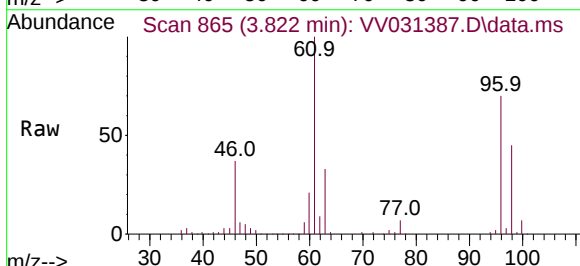
Tgt Ion: 96 Resp: 125525

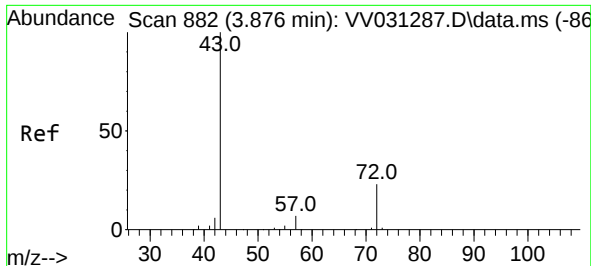
Ion Ratio Lower Upper

96 100

61 143.8 89.2 165.6

98 64.6 43.0 80.0

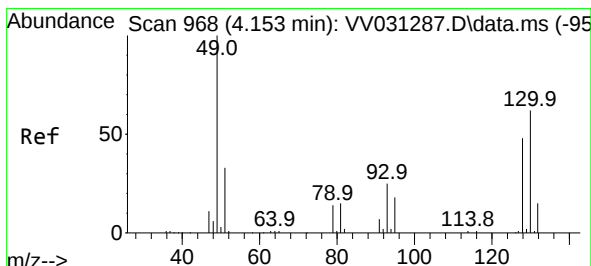
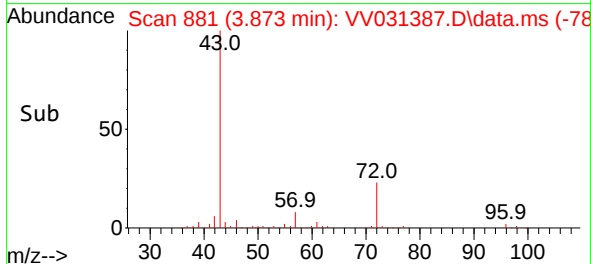
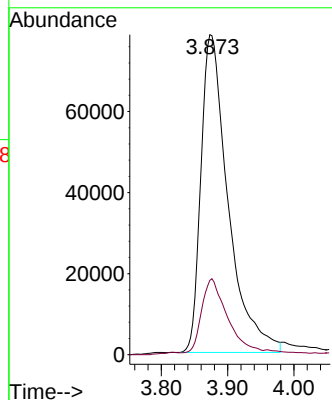
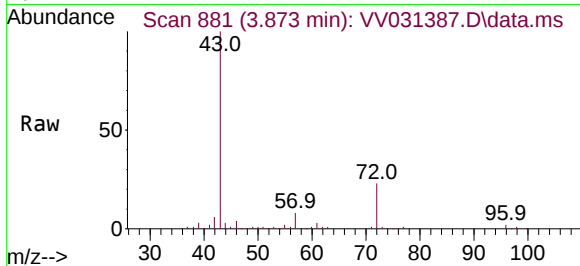




#22
2-Butanone
Concen: 125.518 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

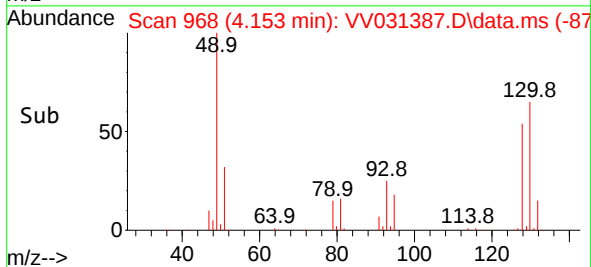
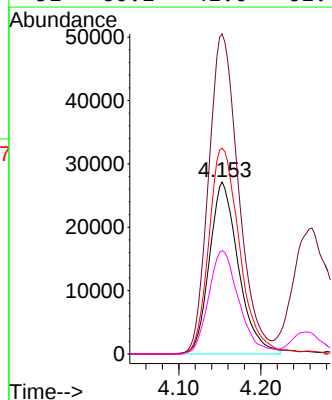
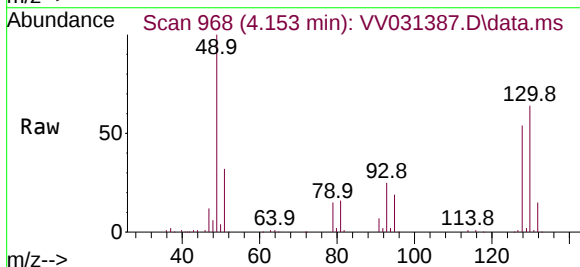
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

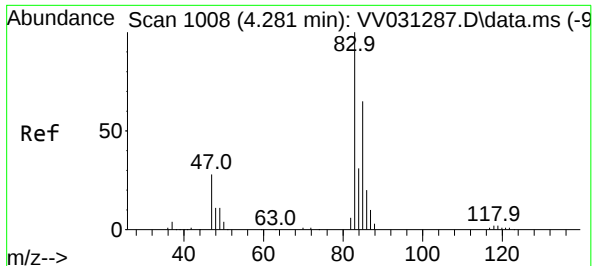
Tgt Ion: 43 Resp: 223594
Ion Ratio Lower Upper
43 100
72 22.0 11.9 35.7



#23
Bromochloromethane
Concen: 60.949 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:128 Resp: 66536
Ion Ratio Lower Upper
128 100
49 186.1 113.2 210.2
130 119.6 87.5 162.5
51 60.1 41.0 61.4





#25

Chloroform

Concen: 62.159 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

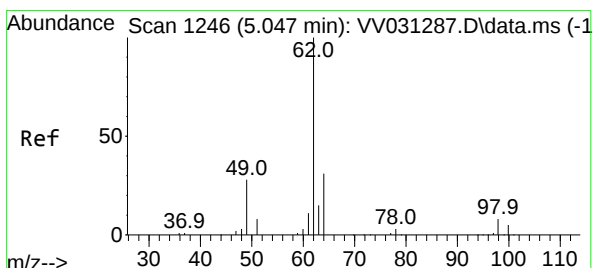
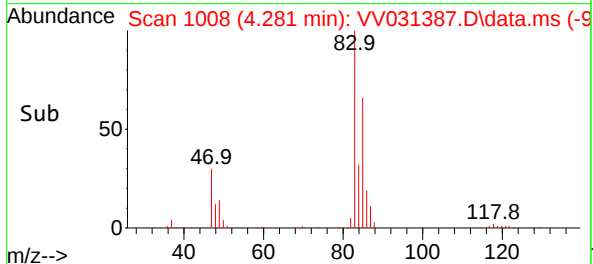
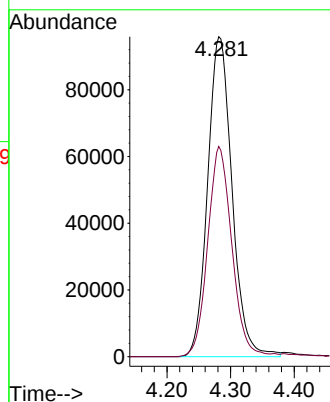
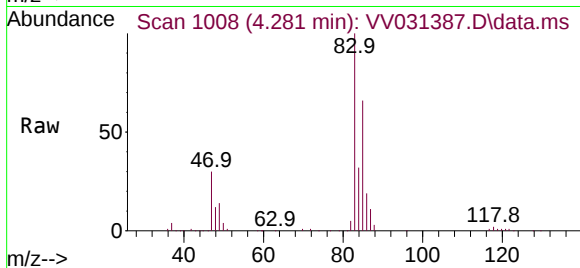
VSTD050359

Tgt Ion: 83 Resp: 255011

Ion Ratio Lower Upper

83 100

85 65.7 47.3 87.9



#27

1,2-Dichloroethane

Concen: 60.347 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031387.D

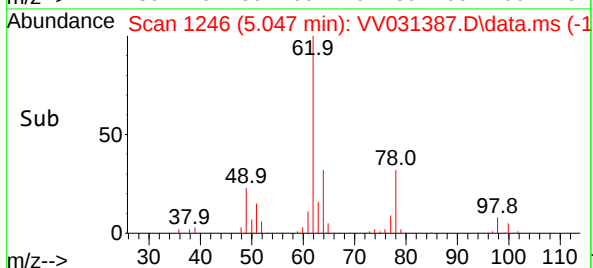
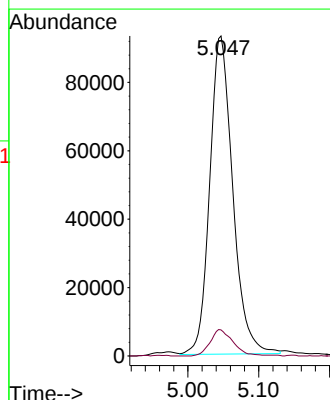
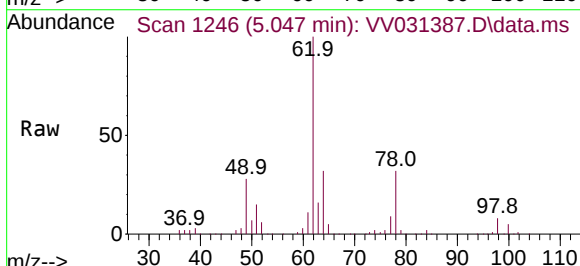
Acq: 07 Jun 2023 09:54

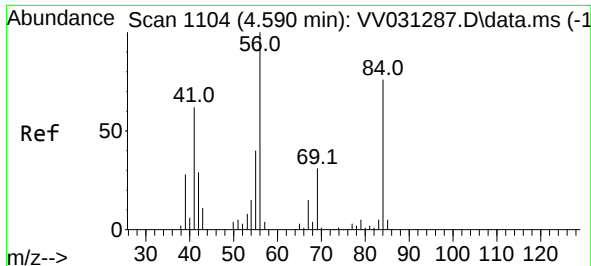
Tgt Ion: 62 Resp: 210058

Ion Ratio Lower Upper

62 100

98 8.2 6.3 9.5





#29

Cyclohexane

Concen: 89.360 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

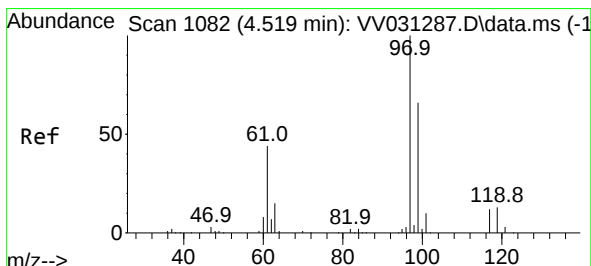
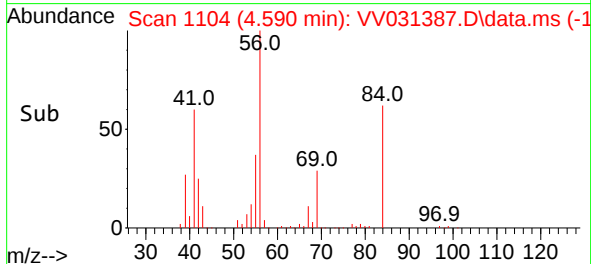
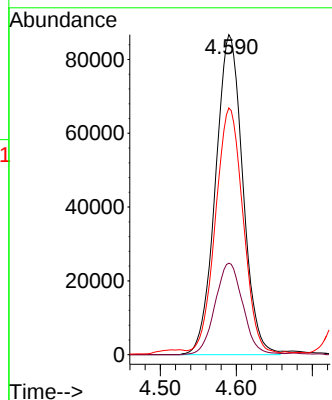
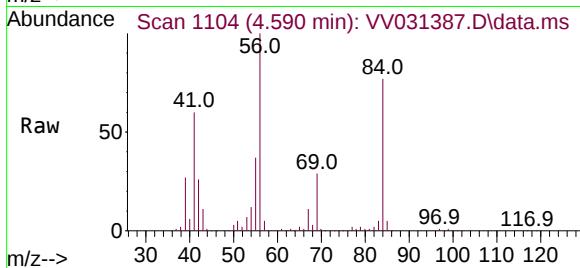
Tgt Ion: 56 Resp: 216451

Ion Ratio Lower Upper

56 100

69 29.1 25.1 37.7

84 77.1 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 59.941 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

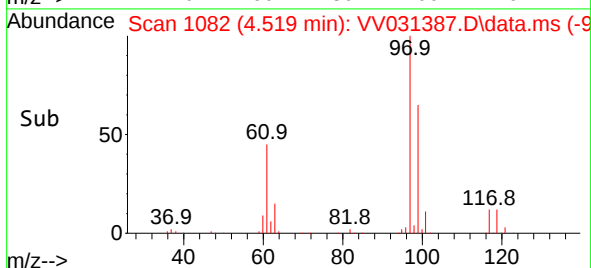
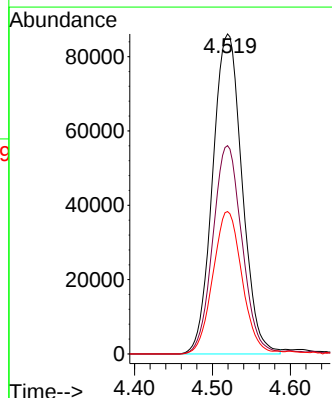
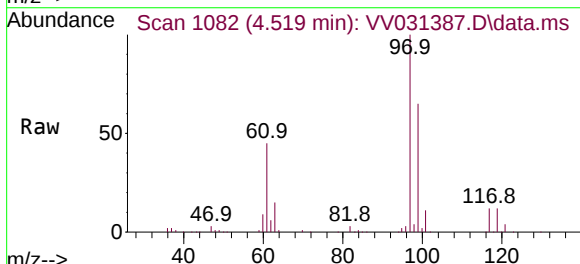
Tgt Ion: 97 Resp: 226415

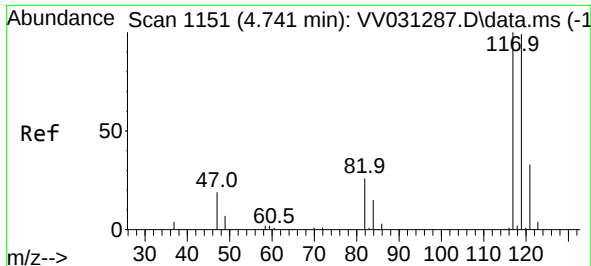
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 43.9 38.2 57.2

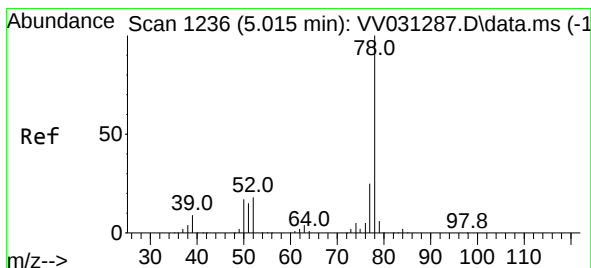
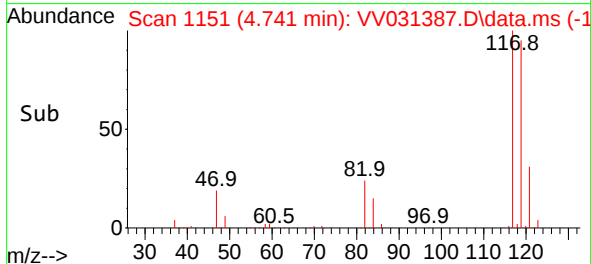
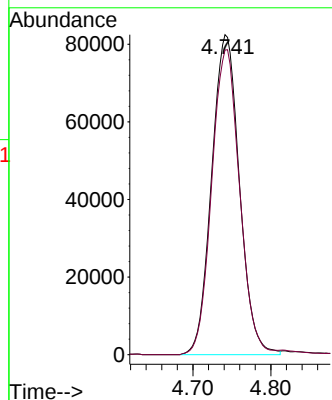
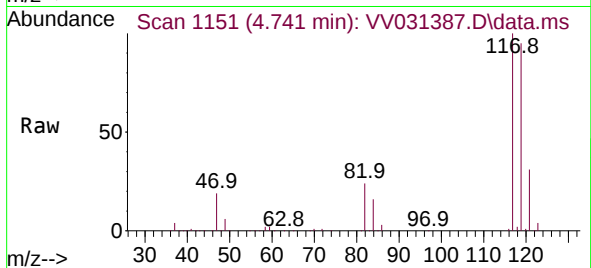




#31
Carbon tetrachloride
Concen: 62.068 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

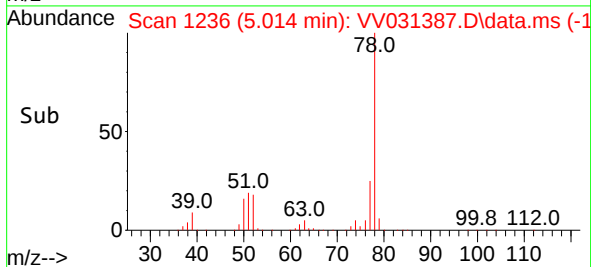
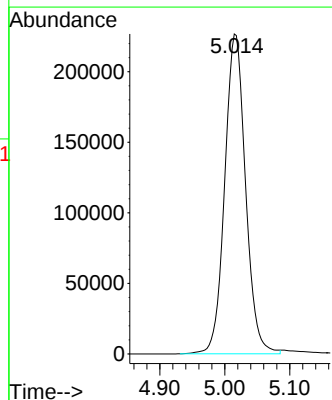
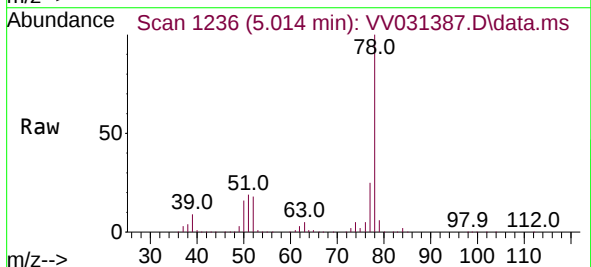
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

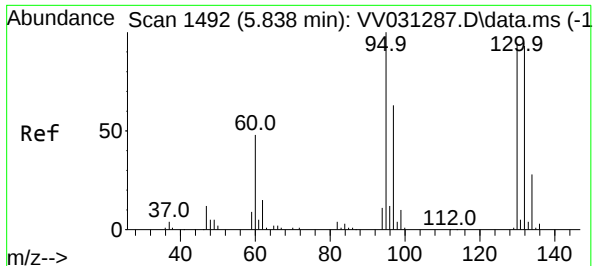
Tgt Ion:117 Resp: 204249
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 68.320 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 78 Resp: 503829

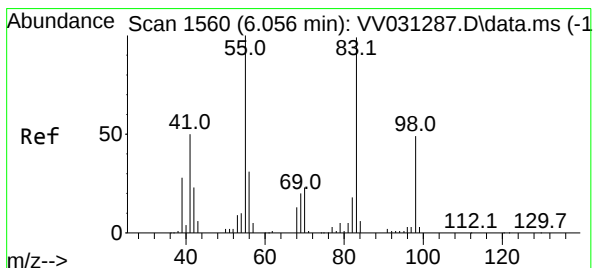
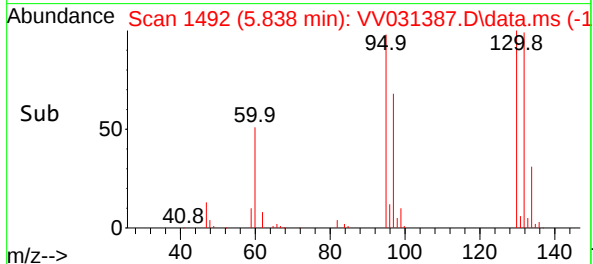
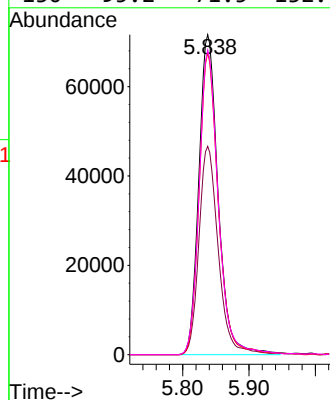
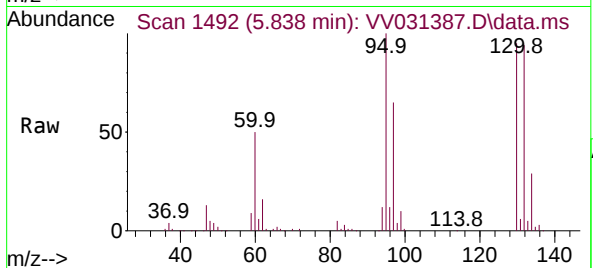




#34
Trichloroethene
Concen: 73.529 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

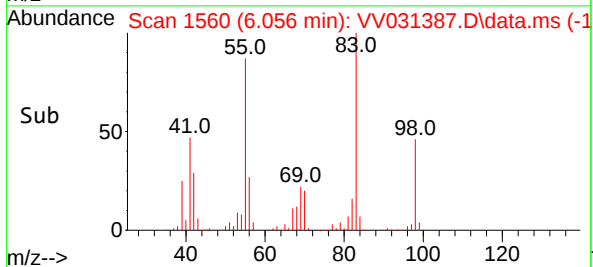
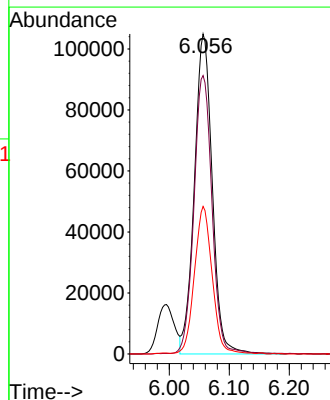
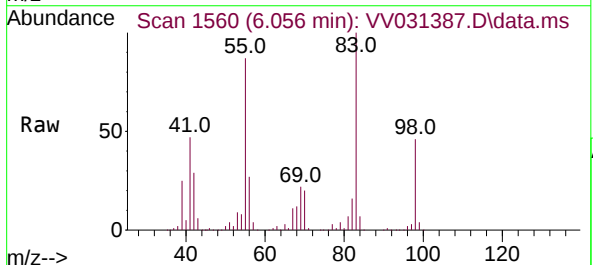
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

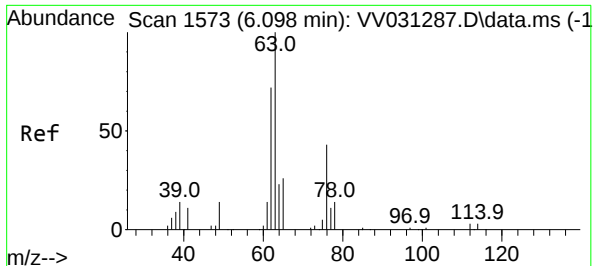
Tgt Ion: 95 Resp: 145292
Ion Ratio Lower Upper
95 100
97 65.1 44.4 82.5
132 94.4 70.2 130.4
130 95.2 71.5 132.7



#35
Methylcyclohexane
Concen: 83.244 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 83 Resp: 218269
Ion Ratio Lower Upper
83 100
55 87.6 64.2 96.2
98 45.6 40.0 60.0

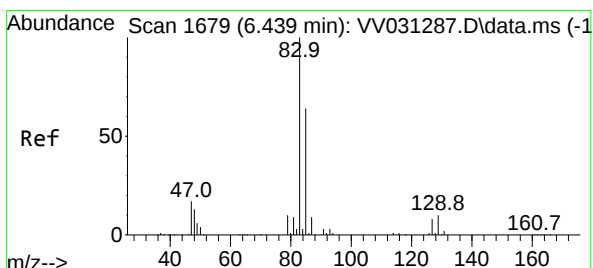
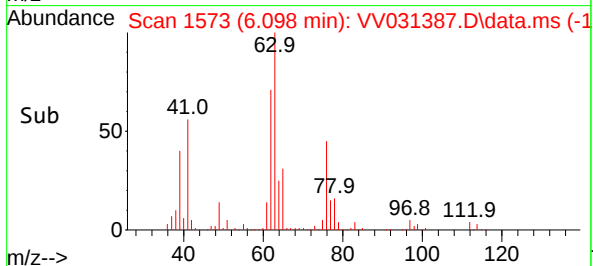
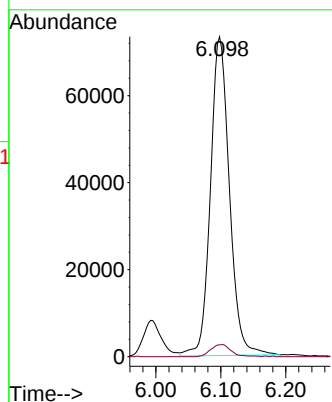
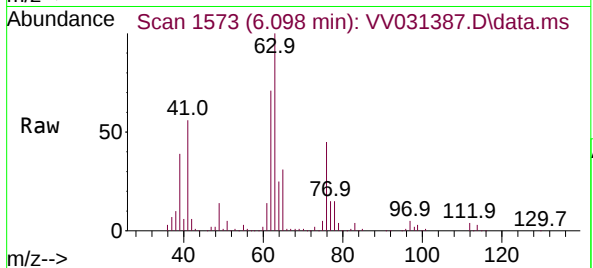




#37
1,2-Dichloropropane
Concen: 73.431 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

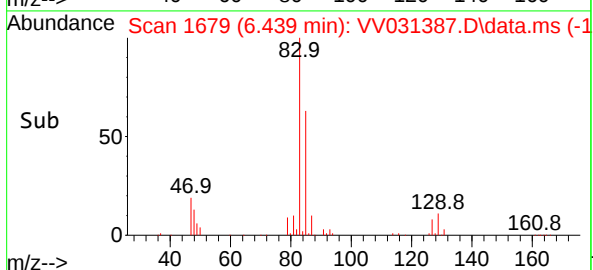
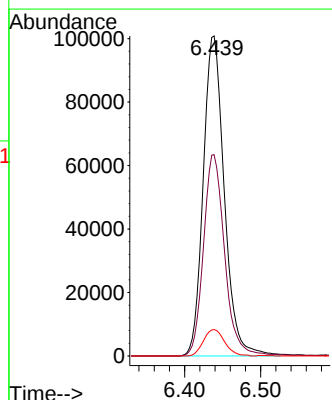
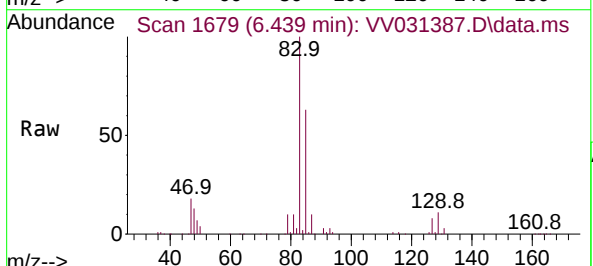
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

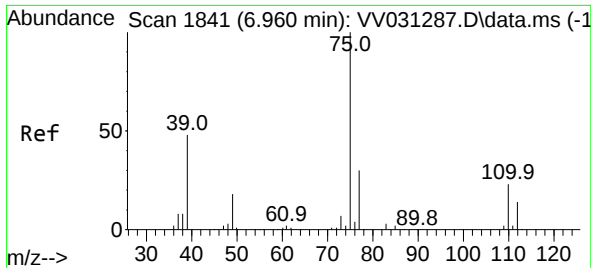
Tgt Ion: 63 Resp: 149047
Ion Ratio Lower Upper
63 100
112 4.1 4.3 6.5#



#38
Bromodichloromethane
Concen: 61.751 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 83 Resp: 194295
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.6
127 8.3 6.9 10.3

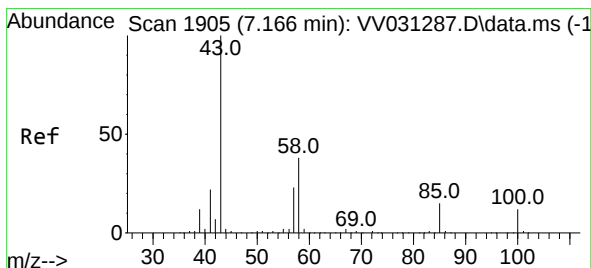
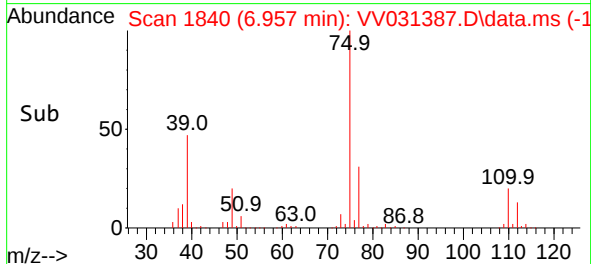
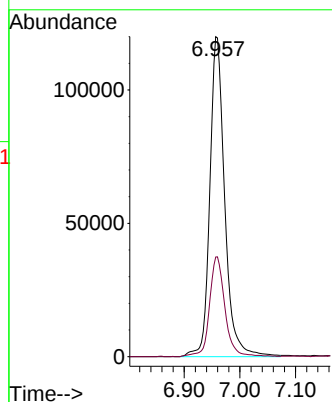
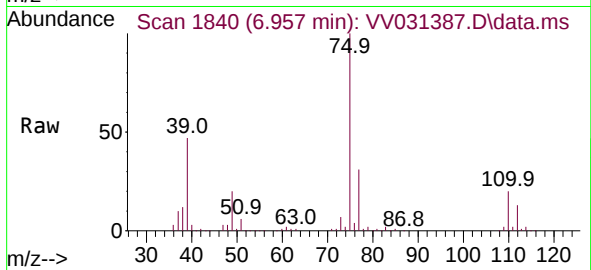




#39
 cis-1,3-Dichloropropene
 Concen: 71.364 ug/L
 RT: 6.957 min Scan# 1840
 Delta R.T. -0.003 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

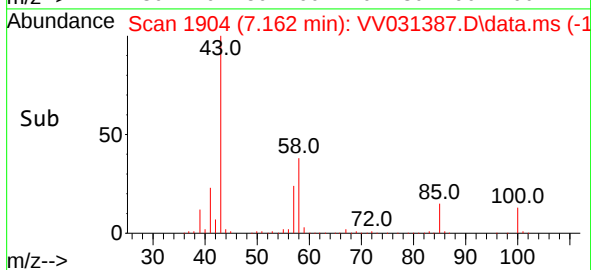
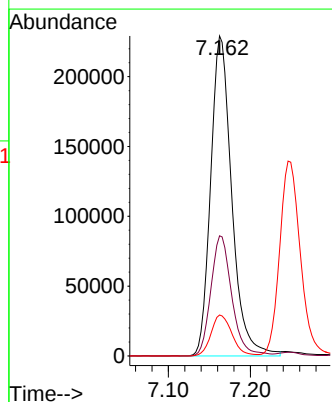
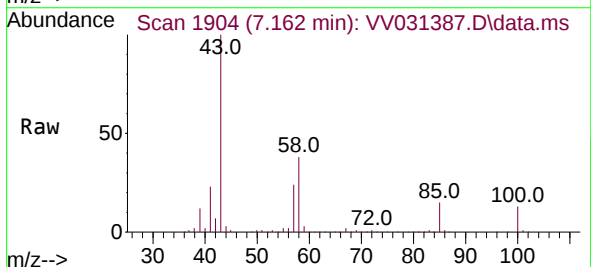
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050359

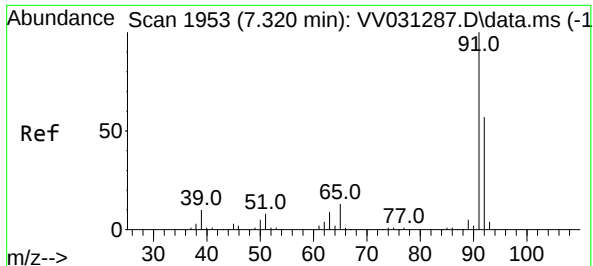
Tgt Ion: 75 Resp: 223362
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 131.033 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. -0.003 min
 Lab File: VV031387.D
 Acq: 07 Jun 2023 09:54

Tgt Ion: 43 Resp: 409263
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.0 43.4
 100 12.8 12.2 18.4





#42

Toluene

Concen: 68.308 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

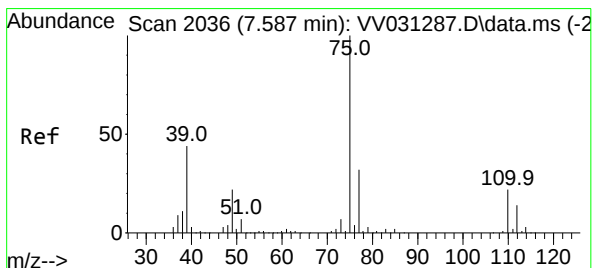
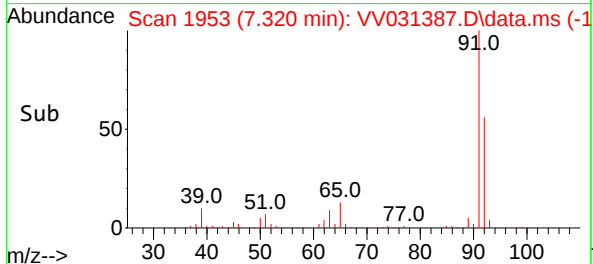
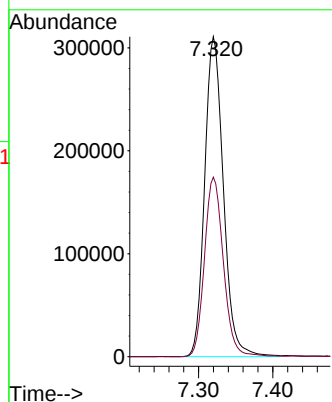
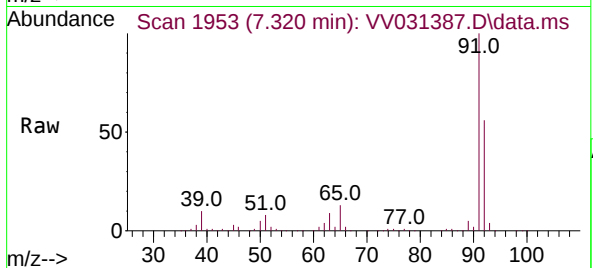
VSTD050359

Tgt Ion: 91 Resp: 545008

Ion Ratio Lower Upper

91 100

92 56.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 69.520 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031387.D

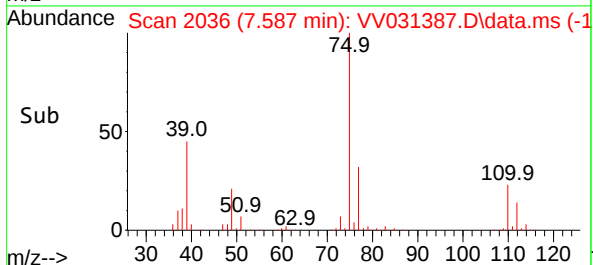
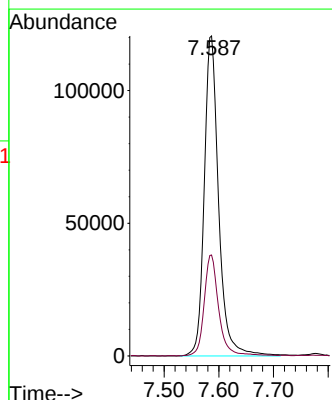
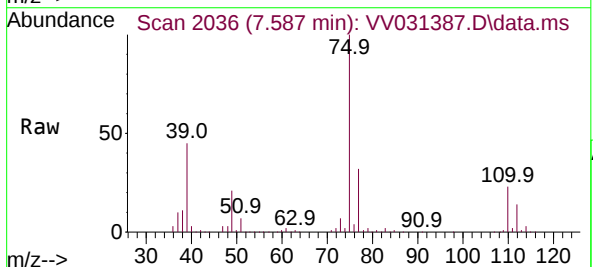
Acq: 07 Jun 2023 09:54

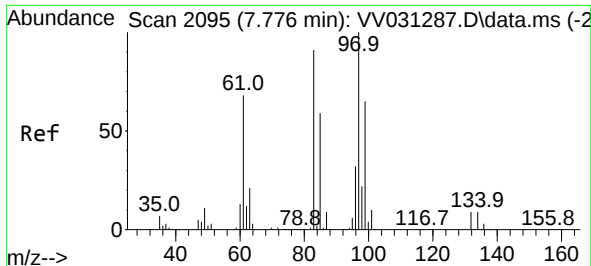
Tgt Ion: 75 Resp: 220121

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 59.139 ug/L

RT: 7.773 min Scan# 2095

Delta R.T. -0.003 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

Tgt Ion: 97 Resp: 130987

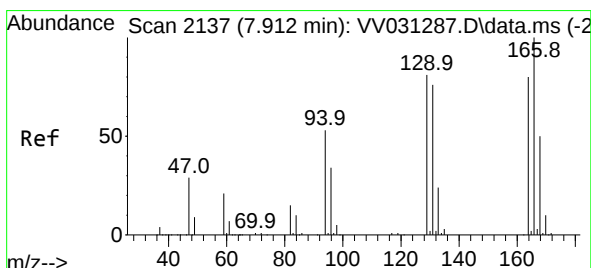
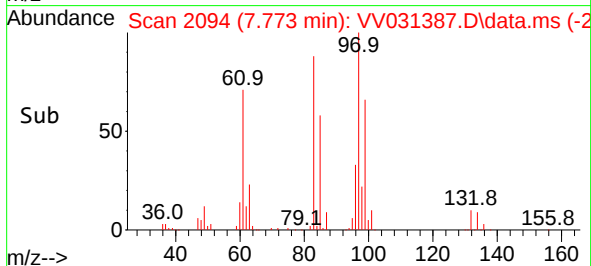
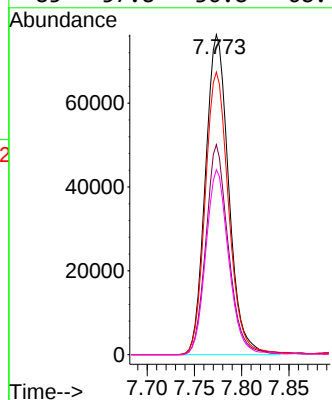
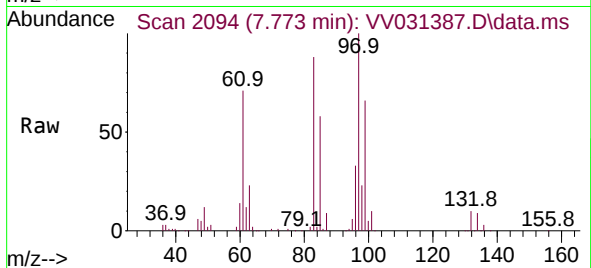
Ion Ratio Lower Upper

97 100

99 65.7 43.2 80.2

83 88.3 60.5 112.3

85 57.8 36.8 68.4



#46

Tetrachloroethene

Concen: 60.937 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Tgt Ion:164 Resp: 103394

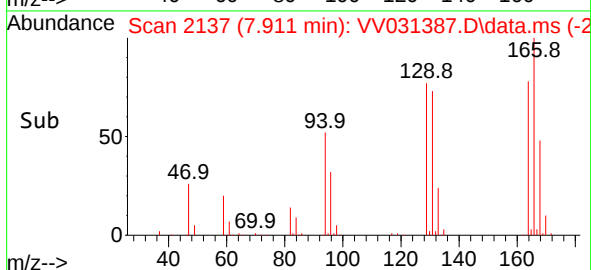
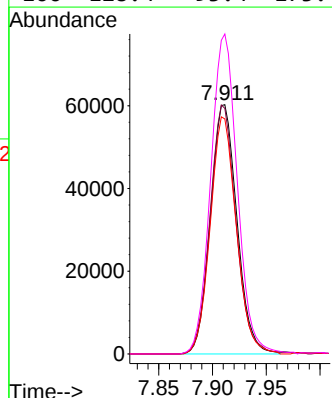
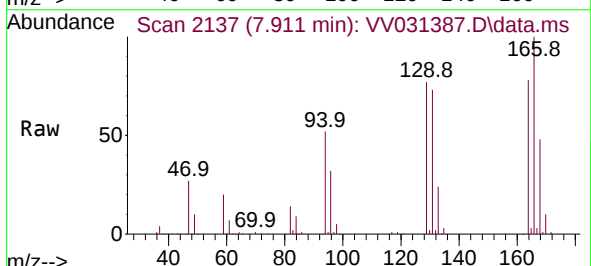
Ion Ratio Lower Upper

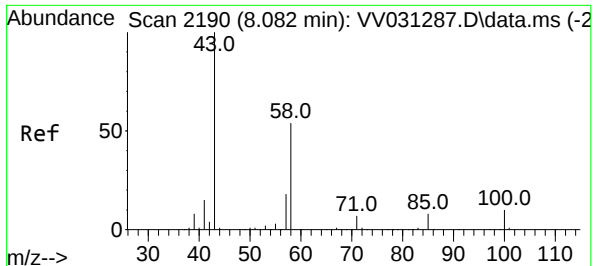
164 100

129 98.5 65.5 121.7

131 94.3 62.1 115.3

166 128.4 93.4 173.4



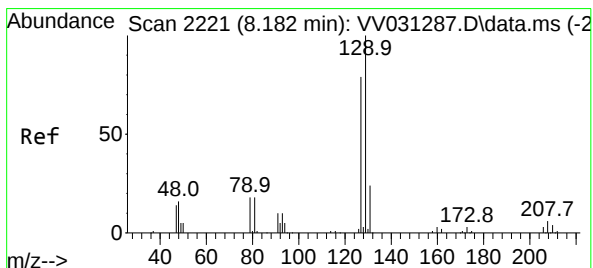
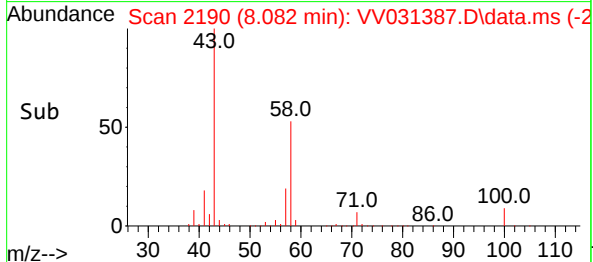
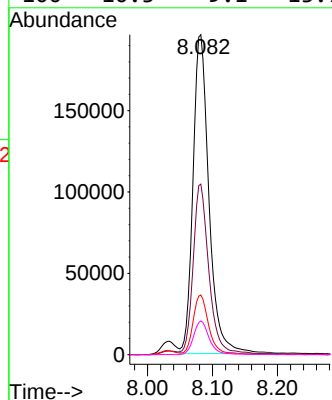
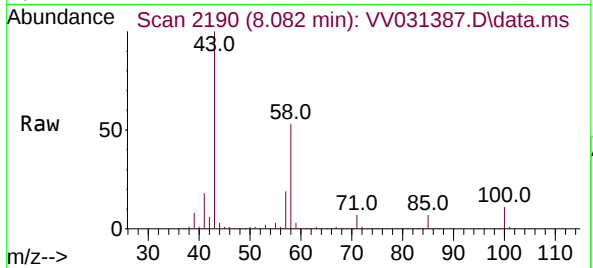


#48
2-Hexanone
Concen: 128.988 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion: 43 Resp: 335556

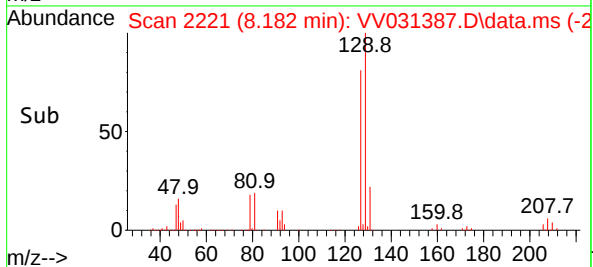
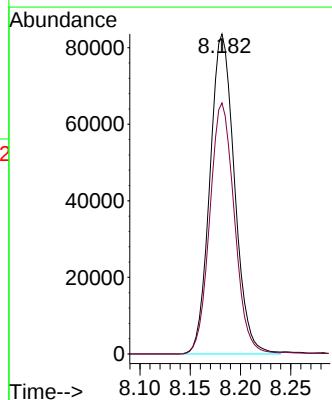
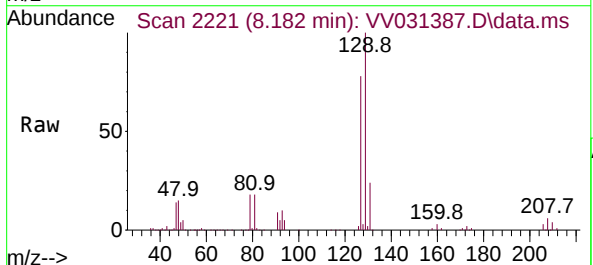
Ion	Ratio	Lower	Upper
43	100		
58	52.2	39.8	59.6
57	18.2	14.4	21.6
100	10.3	9.1	13.7

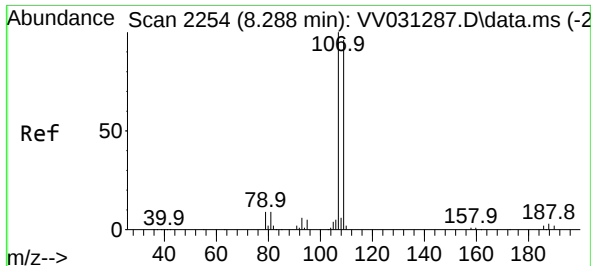


#49
Dibromochloromethane
Concen: 56.962 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 129 Resp: 142348

Ion	Ratio	Lower	Upper
129	100		
127	78.4	56.1	104.1





#50

1,2-Dibromoethane

Concen: 63.644 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

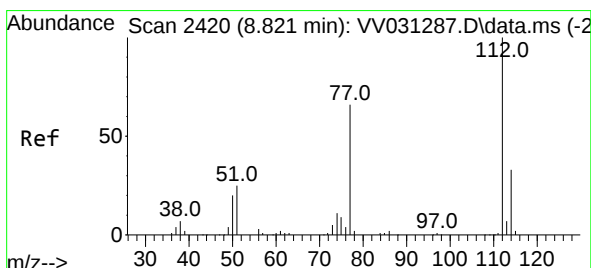
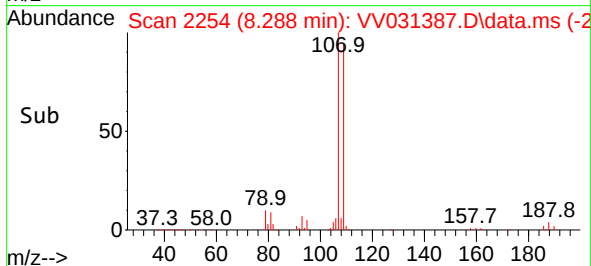
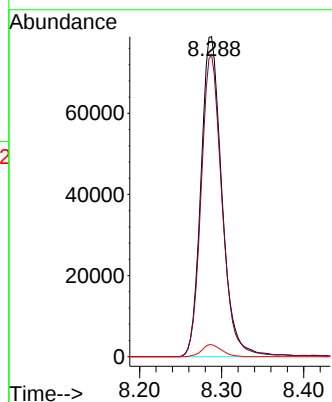
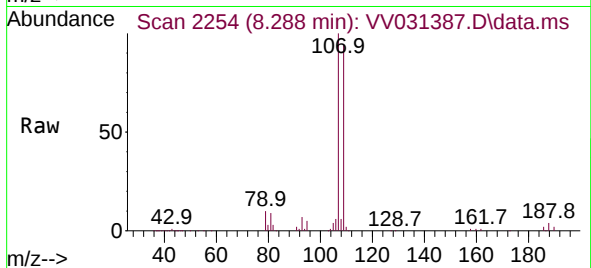
Tgt Ion:107 Resp: 140151

Ion Ratio Lower Upper

107 100

109 94.4 65.6 121.8

188 3.8 3.8 5.6



#51

Chlorobenzene

Concen: 59.279 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

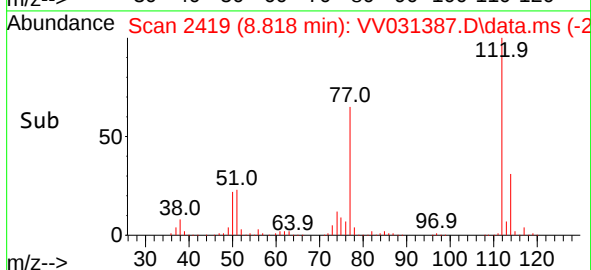
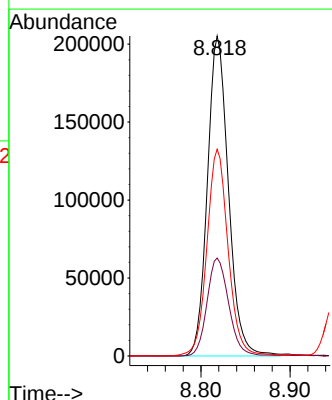
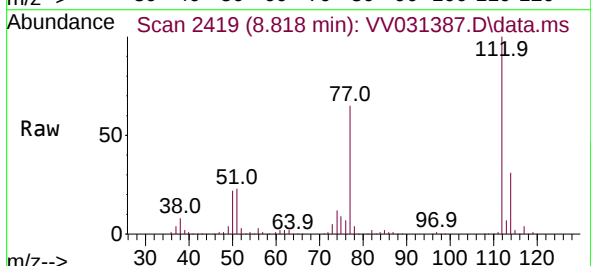
Tgt Ion:112 Resp: 336637

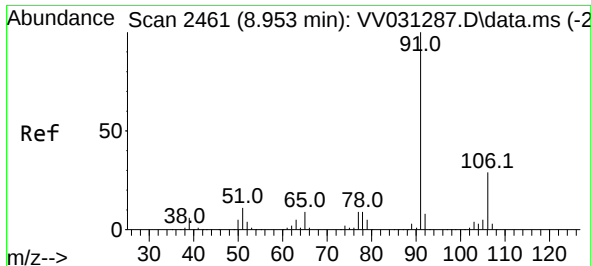
Ion Ratio Lower Upper

112 100

114 30.6 23.0 42.8

77 64.6 46.2 69.4





#52

Ethylbenzene

Concen: 66.417 ug/L

RT: 8.950 min Scan# 2461

Delta R.T. -0.003 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

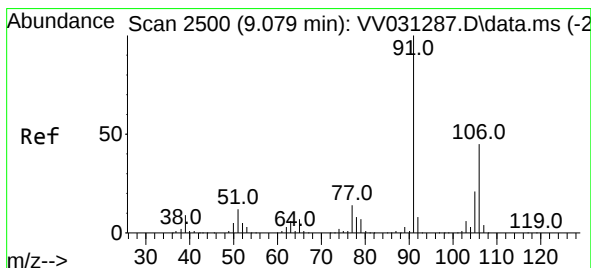
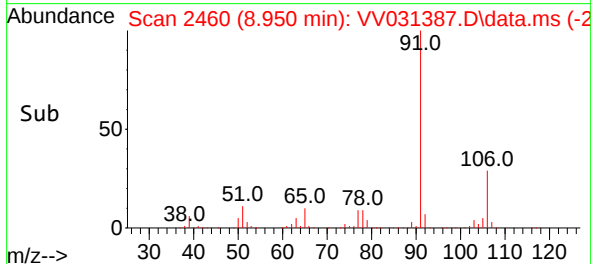
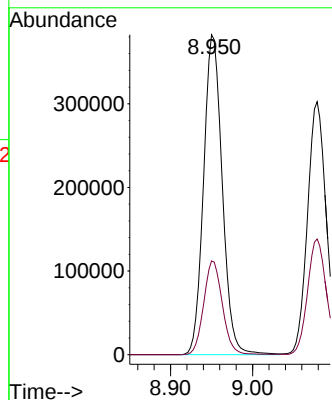
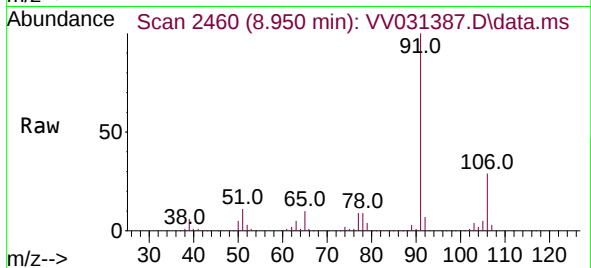
VSTD050359

Tgt Ion: 91 Resp: 606719

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



#53

m,p-Xylene

Concen: 62.463 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031387.D

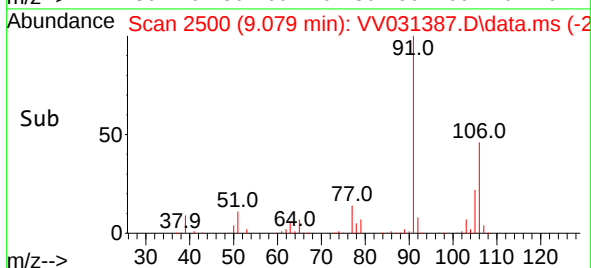
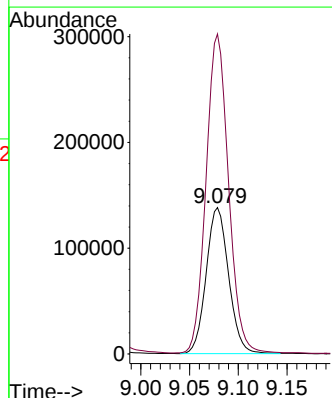
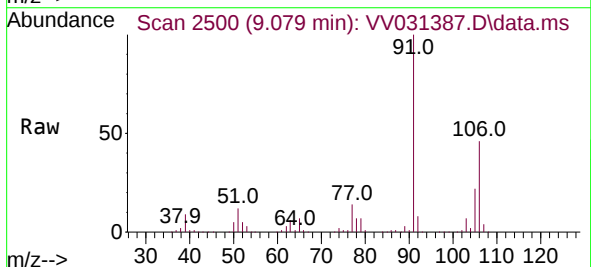
Acq: 07 Jun 2023 09:54

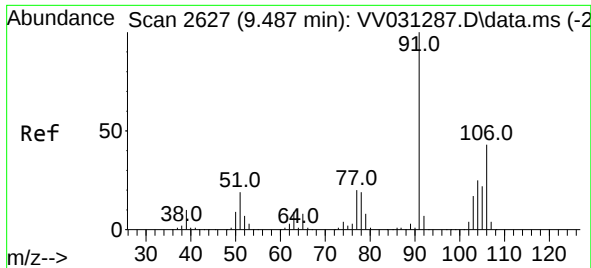
Tgt Ion: 106 Resp: 221341

Ion Ratio Lower Upper

106 100

91 218.5 145.3 269.8

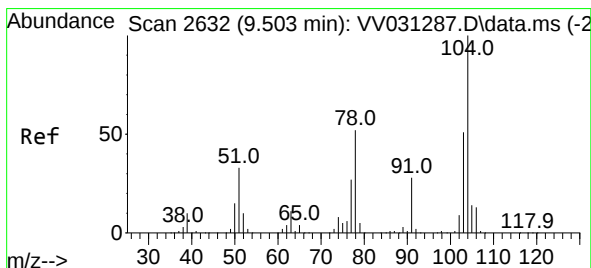
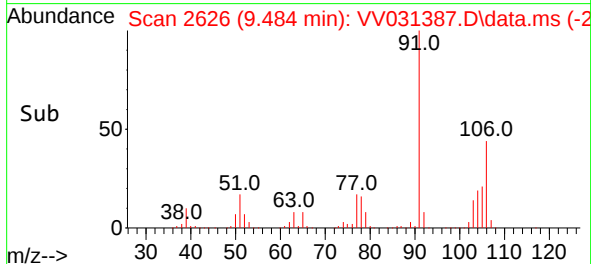
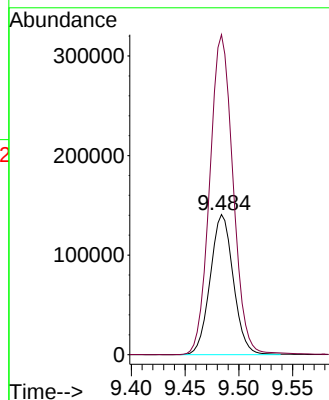
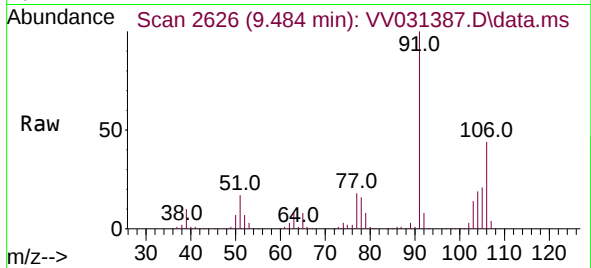




#54
o-Xylene
Concen: 60.309 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

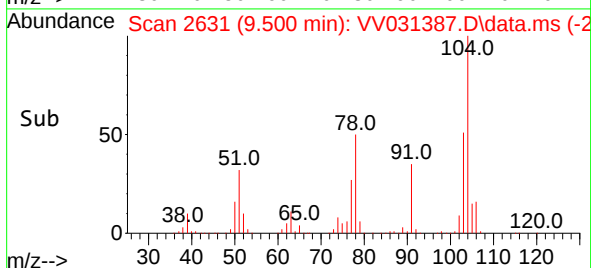
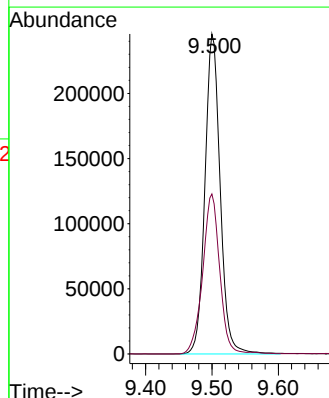
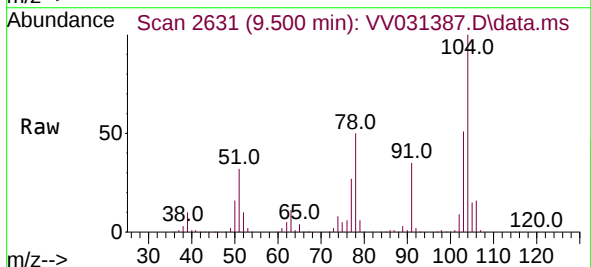
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

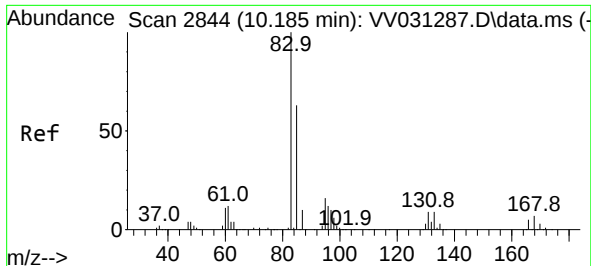
Tgt Ion:106 Resp: 210822
Ion Ratio Lower Upper
106 100
91 228.3 150.4 279.2



#55
Styrene
Concen: 63.382 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:104 Resp: 391856
Ion Ratio Lower Upper
104 100
78 50.0 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 53.120 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

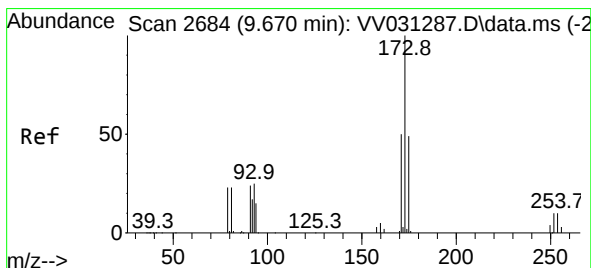
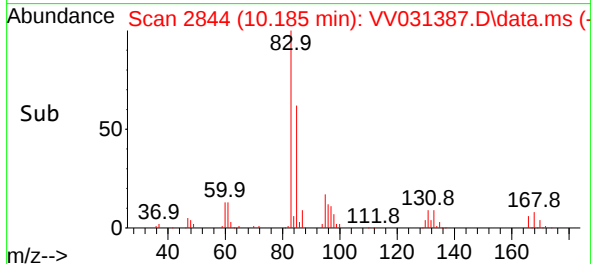
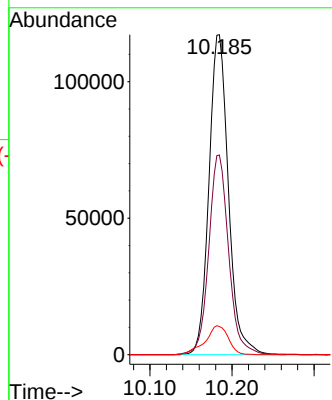
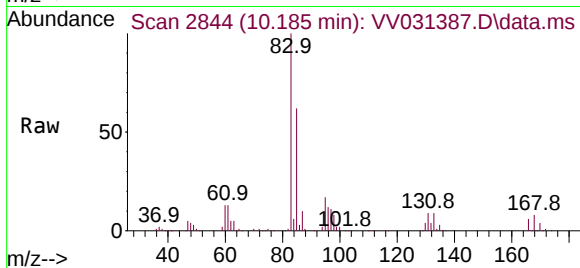
Tgt Ion: 83 Resp: 193315

Ion Ratio Lower Upper

83 100

85 62.4 45.0 83.6

131 8.8 9.2 13.8#



#59

Bromoform

Concen: 52.043 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

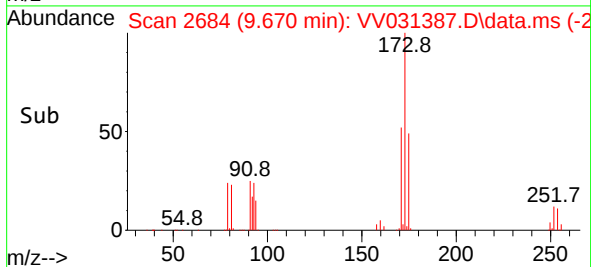
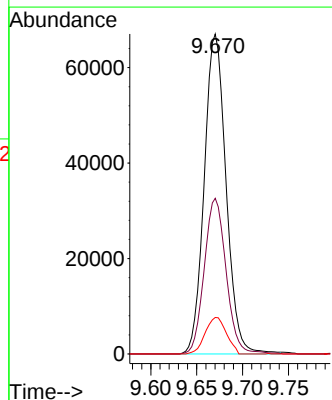
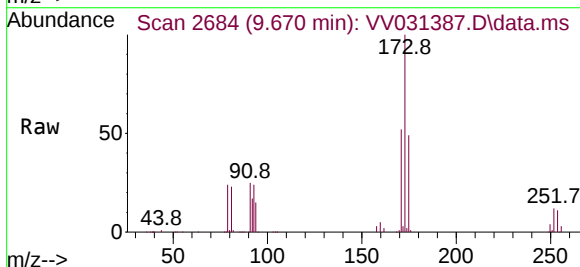
Tgt Ion: 173 Resp: 111189

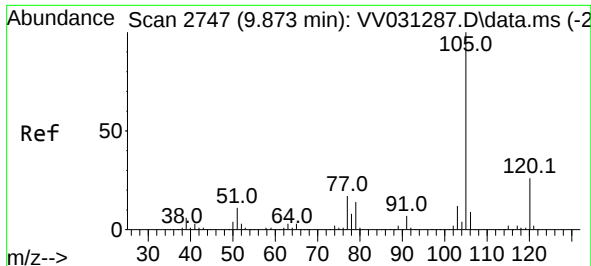
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 11.1 8.8 13.2

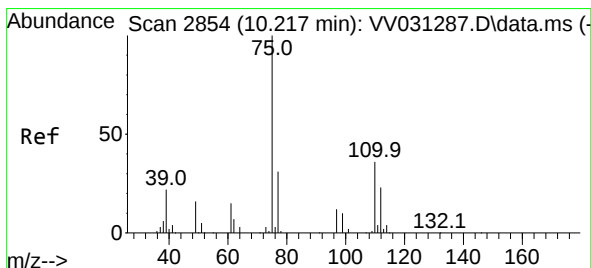
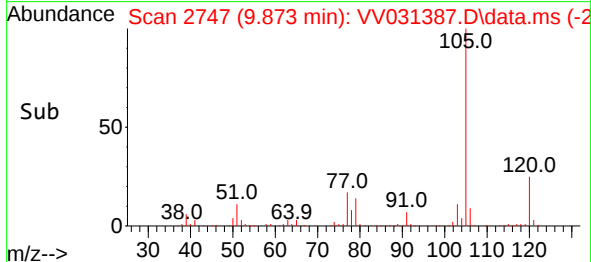
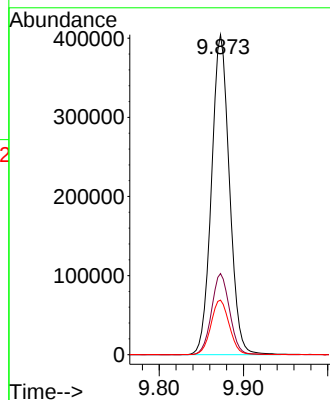
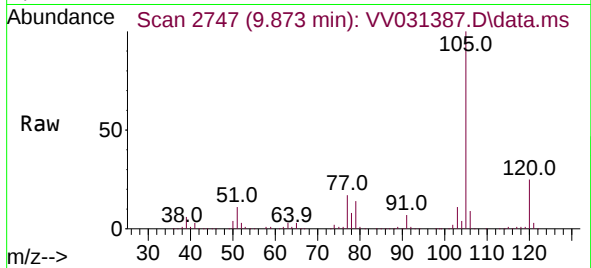




#60
Isopropylbenzene
Concen: 60.707 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

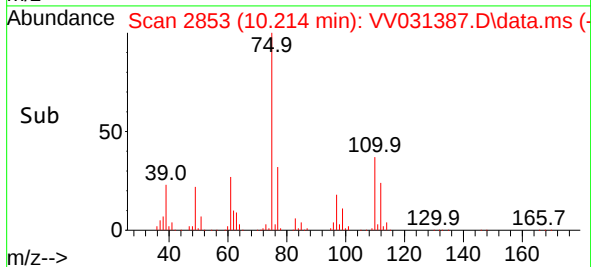
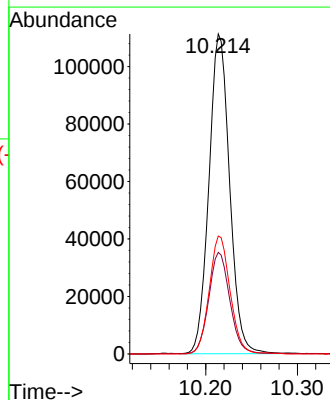
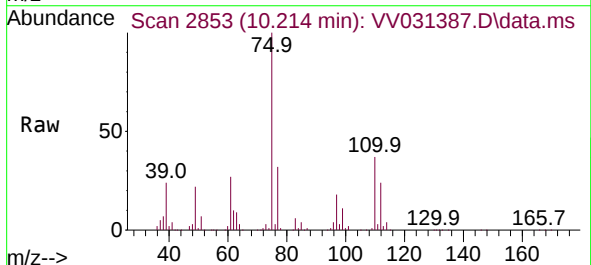
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

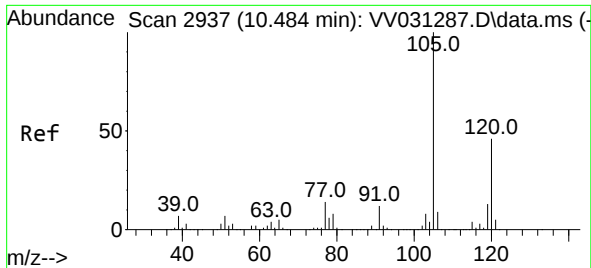
Tgt Ion:105 Resp: 598222
Ion Ratio Lower Upper
105 100
120 25.6 21.4 32.0
77 17.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 61.547 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion: 75 Resp: 174459
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 37.1 32.5 48.7

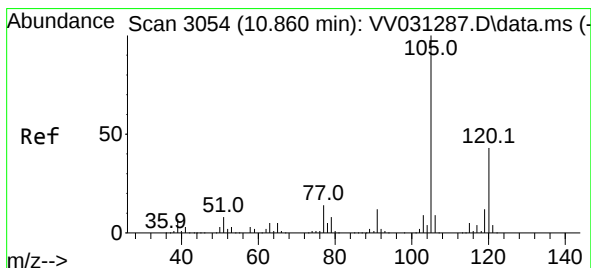
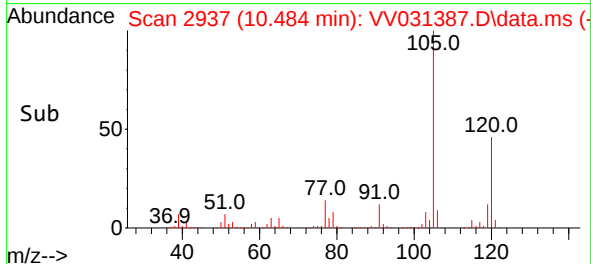
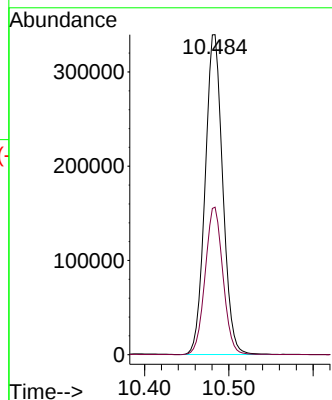
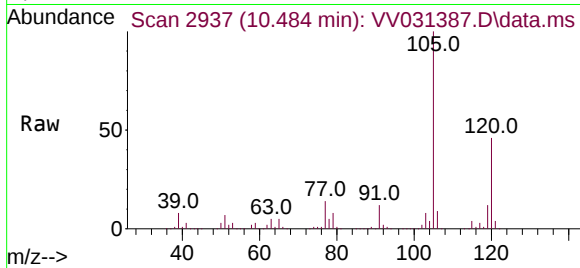




#62
1,3,5-Trimethylbenzene
Concen: 61.097 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

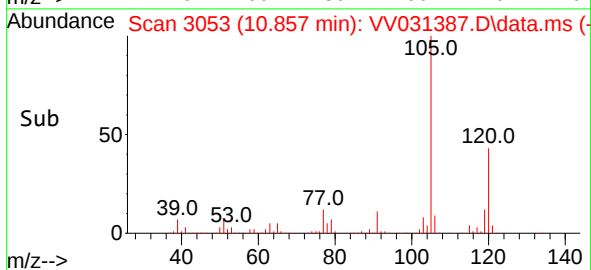
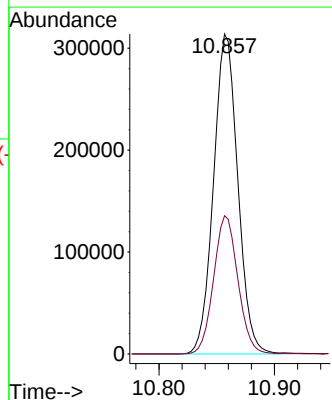
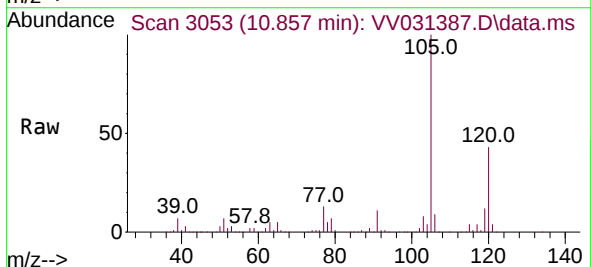
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

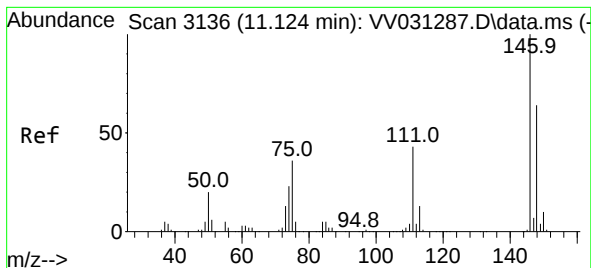
Tgt Ion:105 Resp: 494888
Ion Ratio Lower Upper
105 100
120 46.7 40.5 60.7



#63
1,2,4-Trimethylbenzene
Concen: 57.785 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:105 Resp: 457658
Ion Ratio Lower Upper
105 100
120 43.2 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 55.623 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

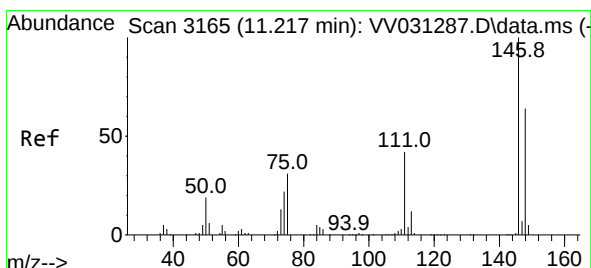
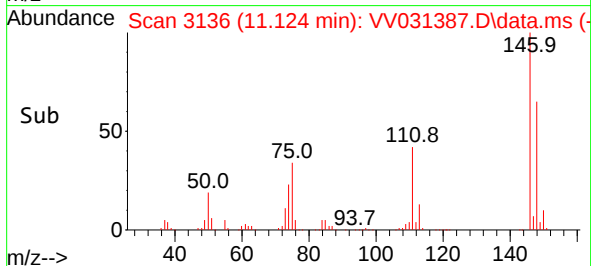
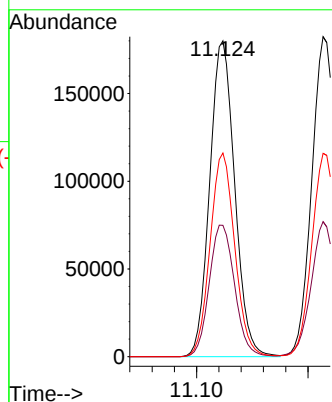
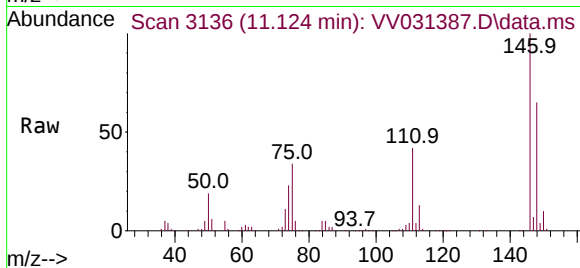
Tgt Ion:146 Resp: 280852

Ion Ratio Lower Upper

146 100

111 41.6 27.2 50.4

148 64.5 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 54.685 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

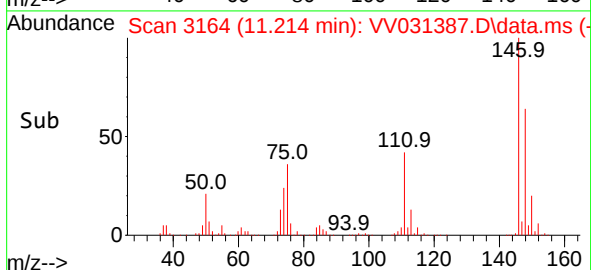
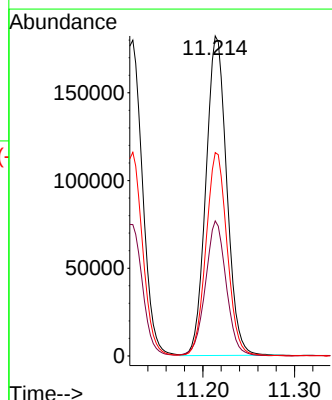
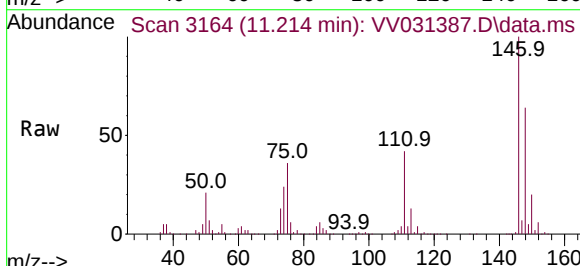
Tgt Ion:146 Resp: 287251

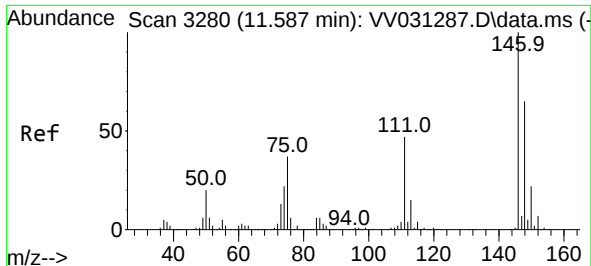
Ion Ratio Lower Upper

146 100

111 42.2 25.5 47.3

148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 53.994 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

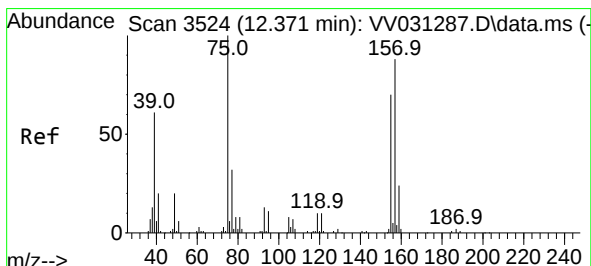
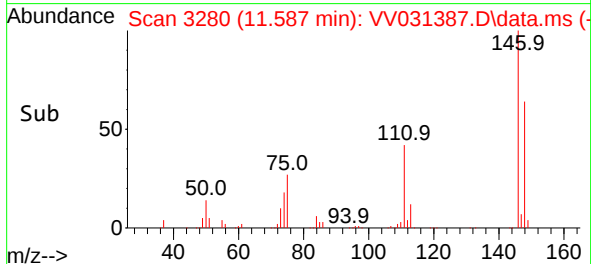
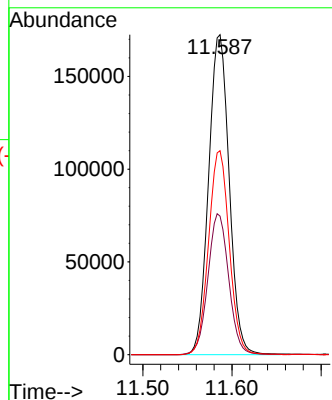
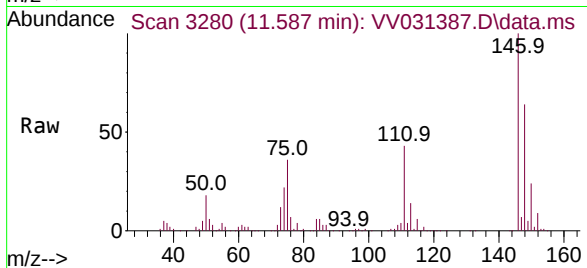
Tgt Ion:146 Resp: 276628

Ion Ratio Lower Upper

146 100

111 43.3 31.4 47.2

148 63.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 54.530 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031387.D

Acq: 07 Jun 2023 09:54

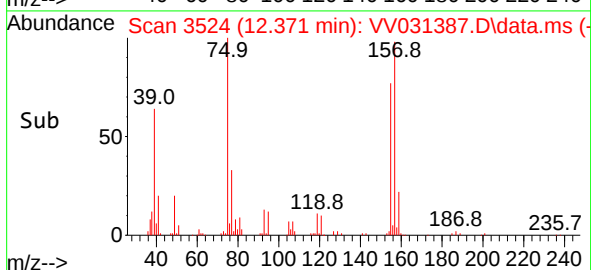
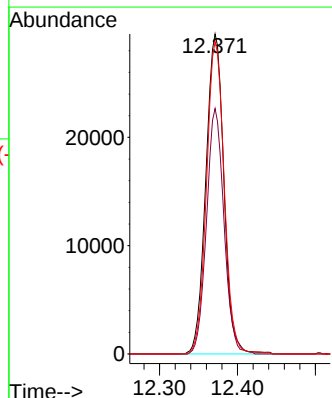
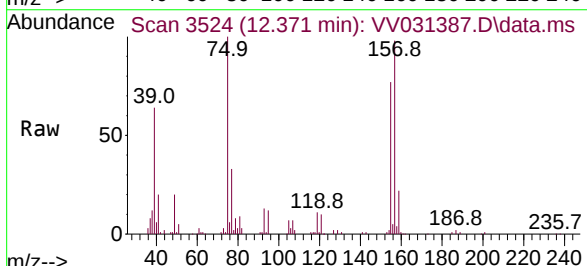
Tgt Ion: 75 Resp: 47448

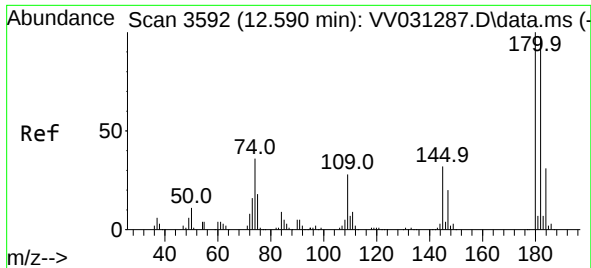
Ion Ratio Lower Upper

75 100

155 76.7 70.9 106.3

157 97.6 88.1 132.1



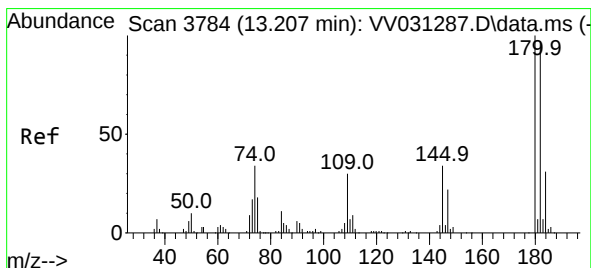
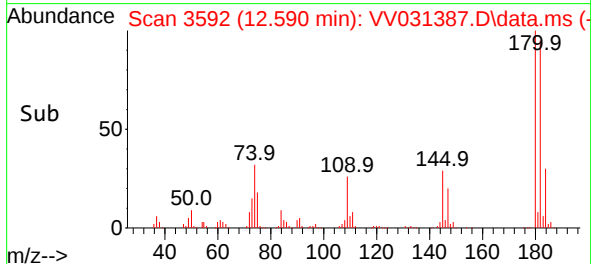
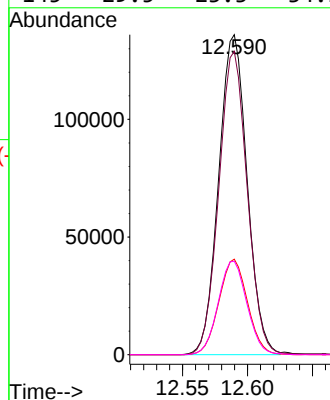
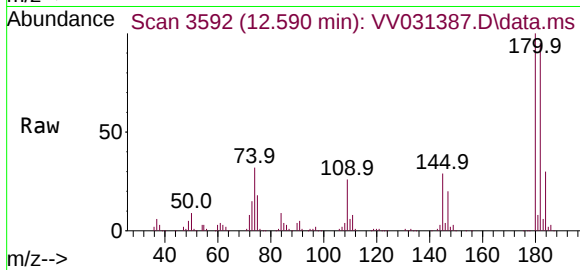


#69
1,3,5-Trichlorobenzene
Concen: 52.980 ug/L
RT: 12.590 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion:180 Resp: 206792

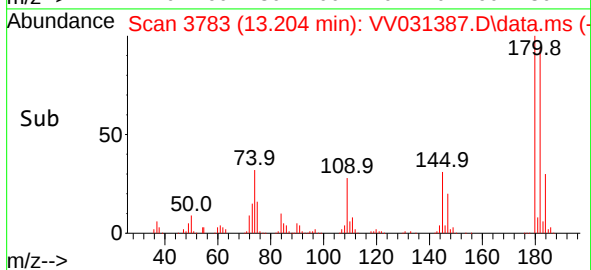
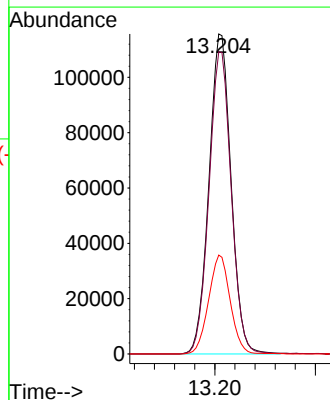
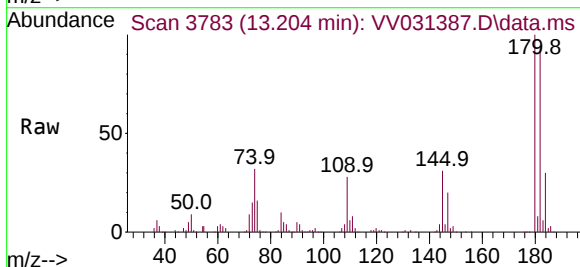
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	115.0
184	30.0	24.6	37.0
145	29.5	23.3	34.9

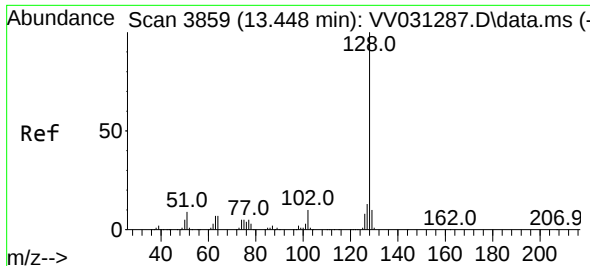


#70
1,2,4-trichlorobenzene
Concen: 53.085 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:180 Resp: 176336

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.4	113.2
145	30.2	23.1	34.7

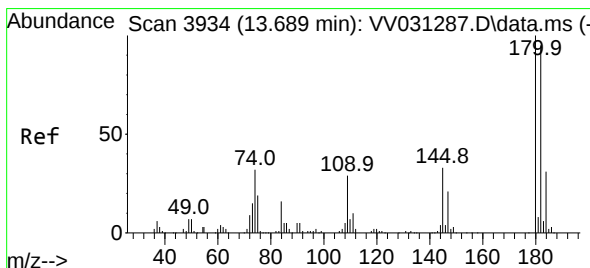
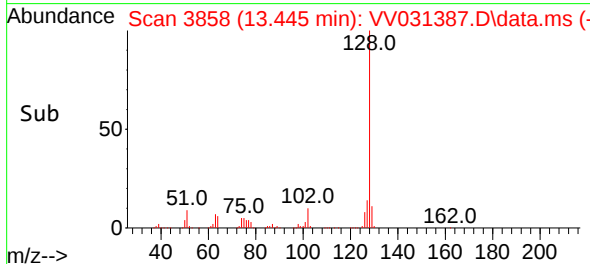
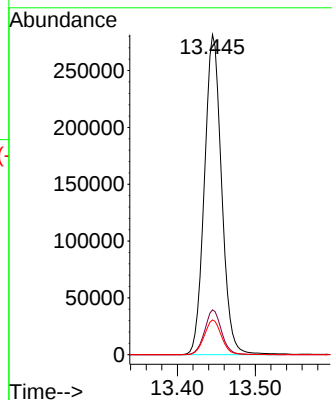
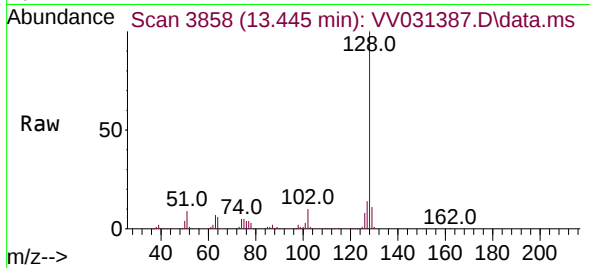




#71
Naphthalene
Concen: 49.973 ug/L
RT: 13.445 min Scan# 3859
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion:128 Resp: 431179
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 53.126 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031387.D
Acq: 07 Jun 2023 09:54

Tgt Ion:180 Resp: 176346
Ion Ratio Lower Upper
180 100
182 97.2 75.4 113.0
145 32.9 24.2 36.4

