

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031125.D
 Acq On : 19 May 2023 22:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

Quant Time: May 20 00:40:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	289865	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	281898	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	157086	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	108737	43.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.780%
7) Chloroethane-d5	1.535	69	101437	53.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.300%
11) 1,1-Dichloroethene-d2	2.063	65	50938	43.849	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.700%
21) 2-Butanone-d5	3.799	46	124785	94.535	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.530%
24) Chloroform-d	4.256	84	197446	45.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.100%
26) 1,2-Dichloroethane-d4	4.947	65	138615	46.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.620%
32) Benzene-d6	4.966	84	356528	46.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
36) 1,2-Dichloropropane-d6	5.995	67	104922	45.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.249	98	334051	46.835	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.680%
43) trans-1,3-Dichloroprop...	7.558	79	53163	46.342	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.680%
47) 2-Hexanone-d5	8.030	63	82036	92.018	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	153778	44.839	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.680%
66) 1,2-Dichlorobenzene-d4	11.567	152	134508	47.650	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	88576	47.333	ug/L	98
3) Chloromethane	1.217	50	102173	49.871	ug/L	96
5) Vinyl chloride	1.288	62	89810	49.079	ug/L	97
6) Bromomethane	1.490	94	51247	49.971	ug/L	98
8) Chloroethane	1.551	64	67322	57.093	ug/L	97
9) Trichlorofluoromethane	1.715	101	169963	47.222	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	88669	46.716	ug/L	98
12) 1,1-Dichloroethene	2.076	96	74487	46.261	ug/L	94
13) Acetone	2.127	43	102820	59.916	ug/L	99
14) Carbon disulfide	2.246	76	142836	48.680	ug/L	98
15) Methyl Acetate	2.381	43	97849	50.170	ug/L	98
16) Methylene chloride	2.455	84	85277	47.573	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	71221	47.841	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	294968	51.291	ug/L	99
19) 1,1-Dichloroethane	3.117	63	166370	49.038	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	91848	50.048	ug/L	97
22) 2-Butanone	3.879	43	134698	81.852	ug/L	97
23) Bromochloromethane	4.156	128	49383	48.967	ug/L	96
25) Chloroform	4.281	83	184423	48.661	ug/L	97

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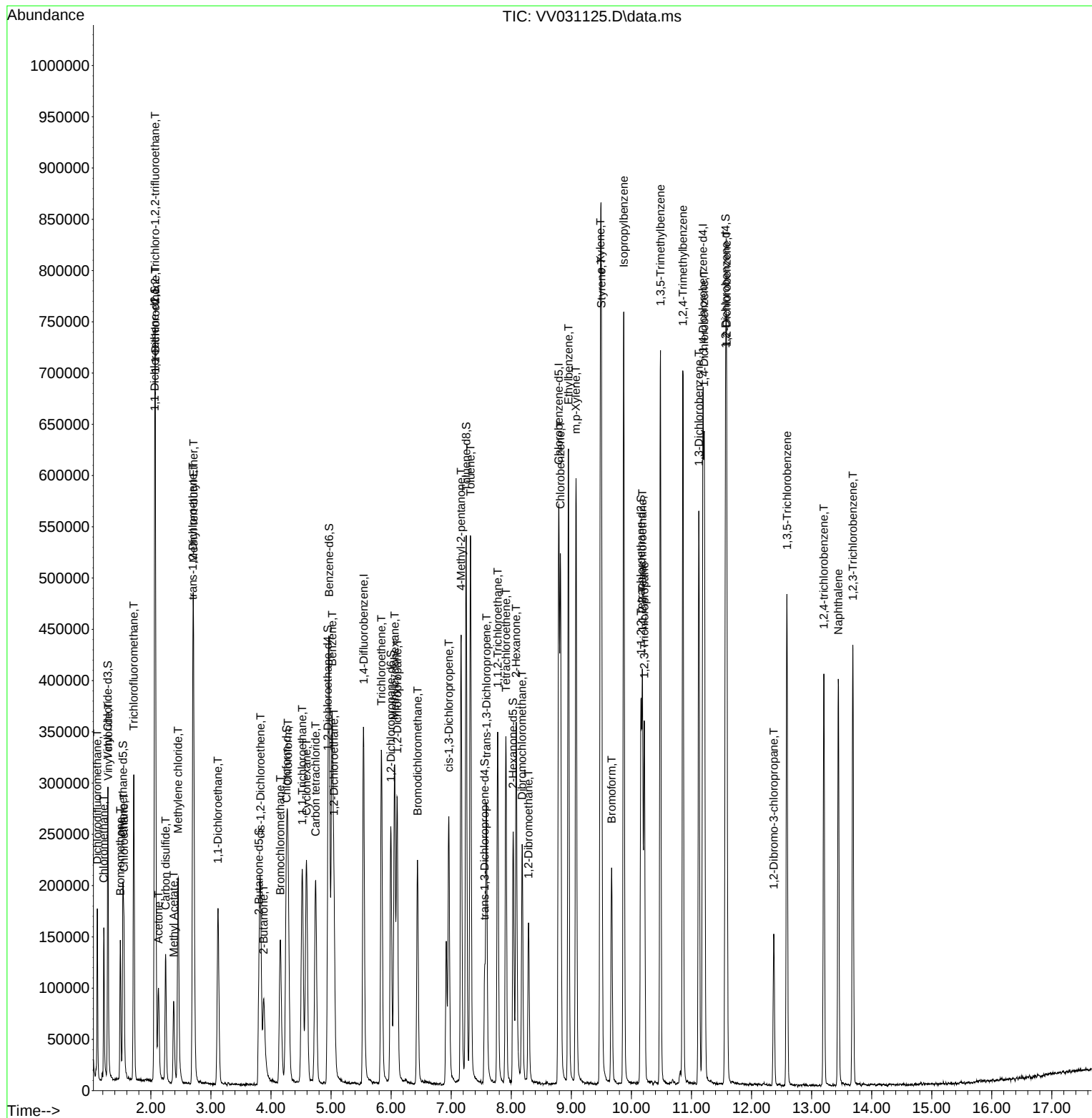
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	162097	50.409	ug/L	97
29) Cyclohexane	4.590	56	108698	49.002	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	170550	49.303	ug/L	98
31) Carbon tetrachloride	4.744	117	146612	48.651	ug/L	98
33) Benzene	5.018	78	339646	50.292	ug/L	100
34) Trichloroethene	5.837	95	108204	59.795	ug/L	97
35) Methylcyclohexane	6.059	83	117029	48.737	ug/L	99
37) 1,2-Dichloropropane	6.101	63	89738	48.277	ug/L	99
38) Bromodichloromethane	6.439	83	139923	48.560	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	142976	49.882	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	285965	99.976	ug/L	100
42) Toluene	7.323	91	370512	50.708	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	144211	49.734	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	100097	49.349	ug/L	98
46) Tetrachloroethene	7.911	164	73265	47.151	ug/L	95
48) 2-Hexanone	8.082	43	224788	94.355	ug/L	99
49) Dibromochloromethane	8.181	129	110153	48.132	ug/L	95
50) 1,2-Dibromoethane	8.288	107	96305	47.755	ug/L	97
51) Chlorobenzene	8.818	112	251245	48.311	ug/L	99
52) Ethylbenzene	8.953	91	407245	48.680	ug/L	99
53) m,p-Xylene	9.079	106	159295	49.088	ug/L	97
54) o-Xylene	9.484	106	159661	49.874	ug/L	99
55) Styrene	9.503	104	283965	50.155	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	161981	48.603	ug/L	99
59) Bromoform	9.670	173	90244	49.545	ug/L	99
60) Isopropylbenzene	9.873	105	438301	52.171	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	125244	51.827	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	356240	51.587	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	346666	51.342	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	214737	49.885	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	221667	49.498	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	224696	51.443	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	33589	45.279	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	142596	42.851	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	117347	41.437	ug/L	99
71) Naphthalene	13.445	128	302604	41.137	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	121195	42.826	ug/L	97

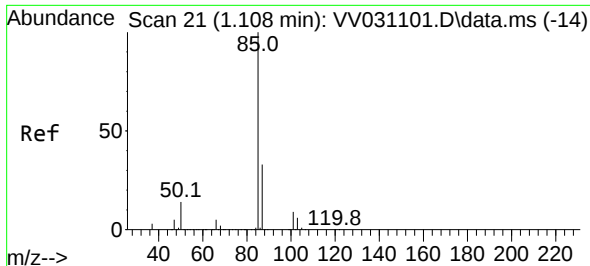
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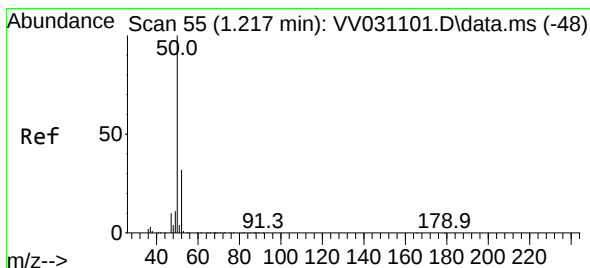
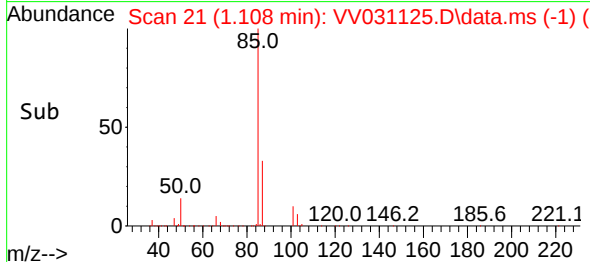
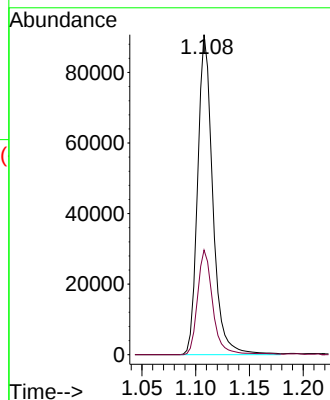
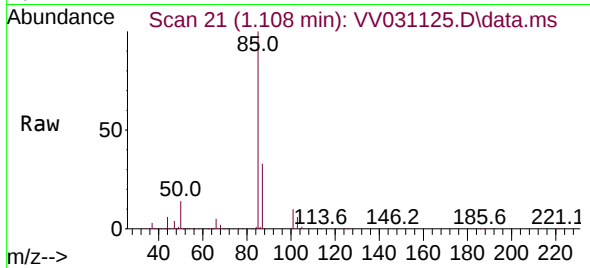




#2
 Dichlorodifluoromethane
 Concen: 47.333 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

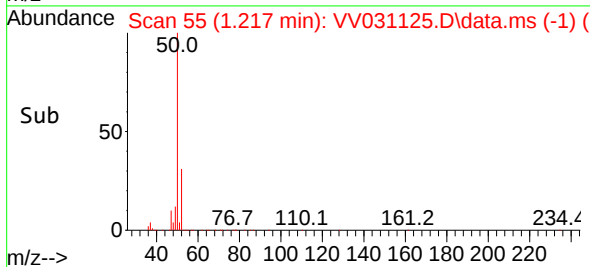
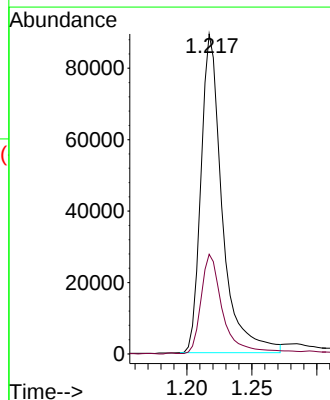
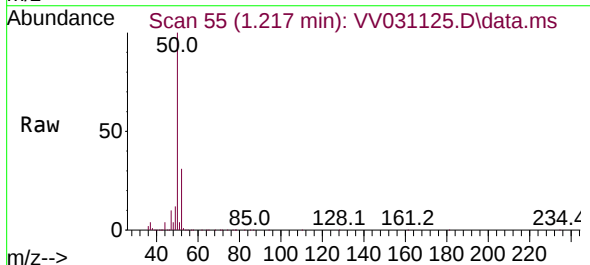
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

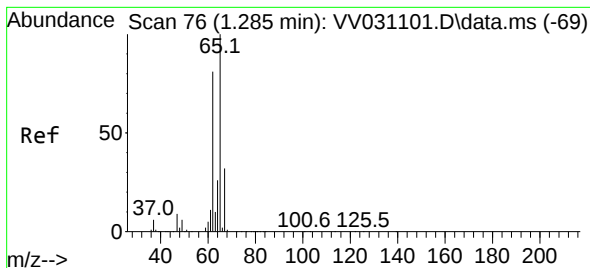
Tgt Ion: 85 Resp: 88576
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.2 37.8



#3
 Chloromethane
 Concen: 49.871 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

Tgt Ion: 50 Resp: 102173
 Ion Ratio Lower Upper
 50 100
 52 31.2 23.3 43.3





#5

Vinyl chloride

Concen: 49.079 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

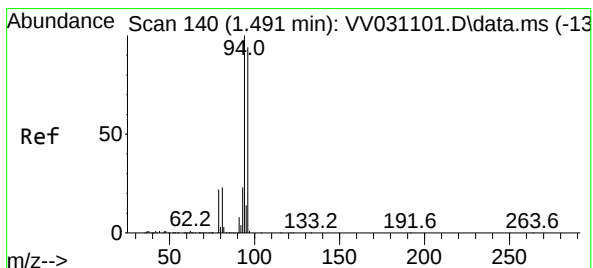
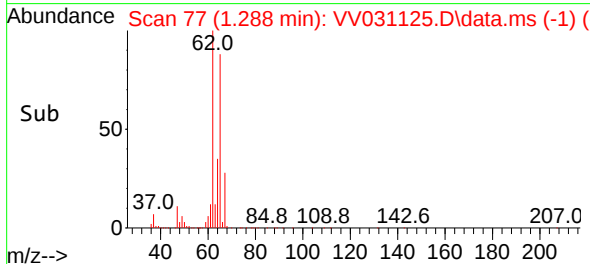
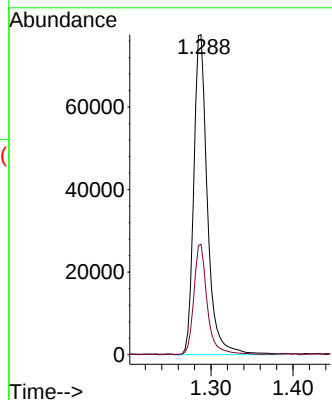
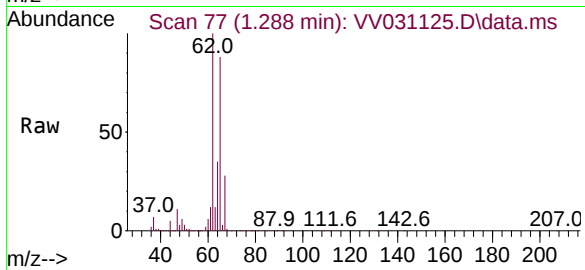
VSTD050347

Tgt Ion: 62 Resp: 89810

Ion Ratio Lower Upper

62 100

64 34.5 23.1 42.9



#6

Bromomethane

Concen: 49.971 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.000 min

Lab File: VV031125.D

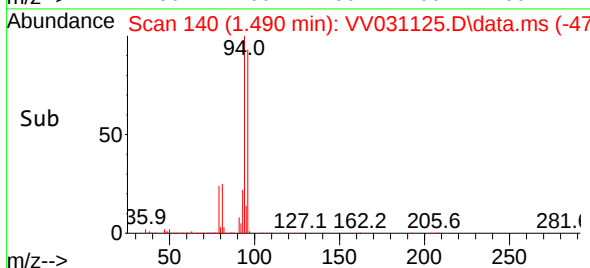
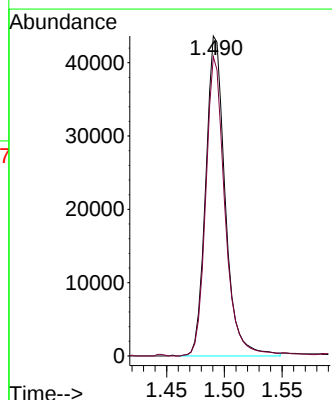
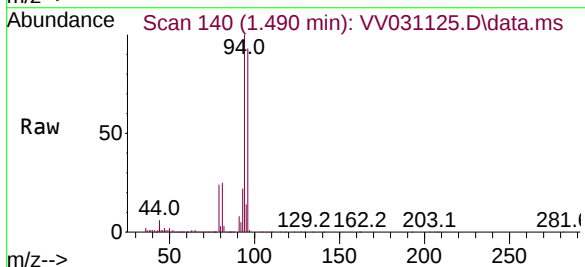
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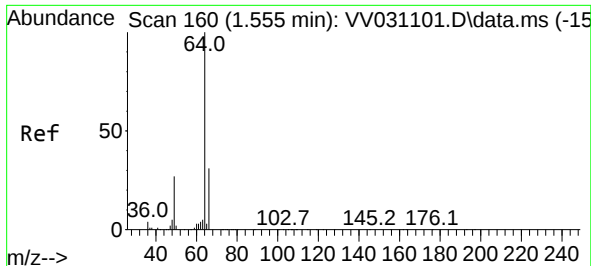
Tgt Ion: 94 Resp: 51247

Ion Ratio Lower Upper

94 100

96 93.5 63.9 118.7

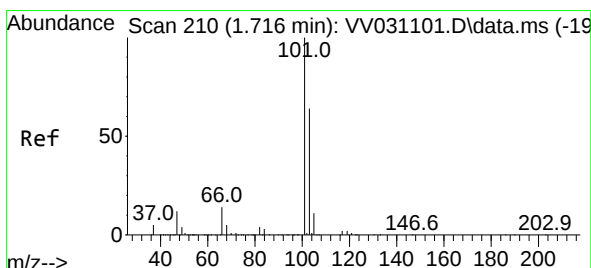
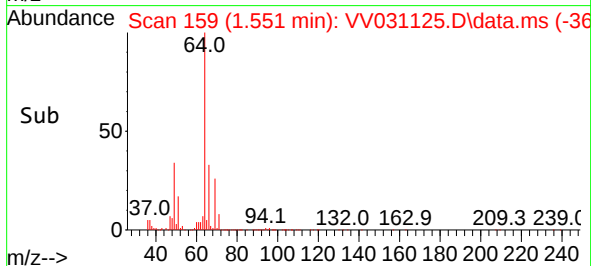
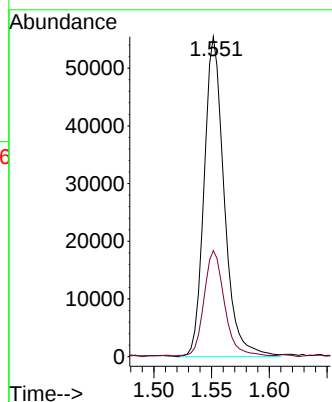
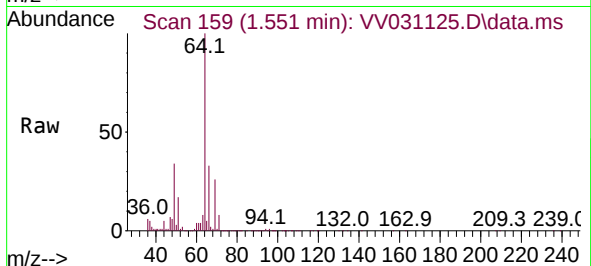




#8
Chloroethane
Concen: 57.093 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

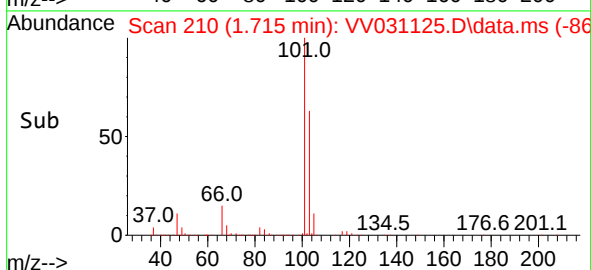
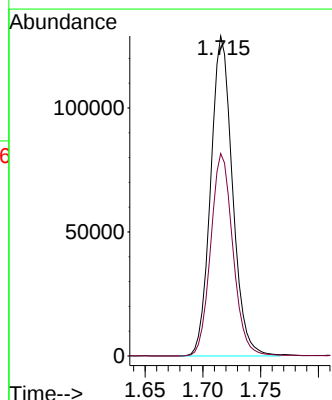
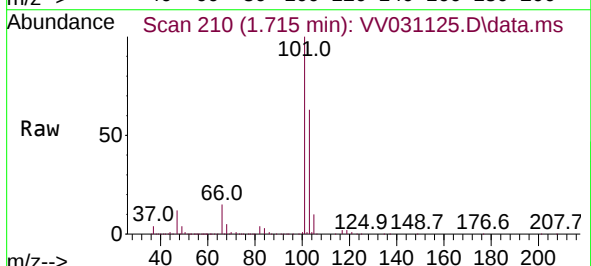
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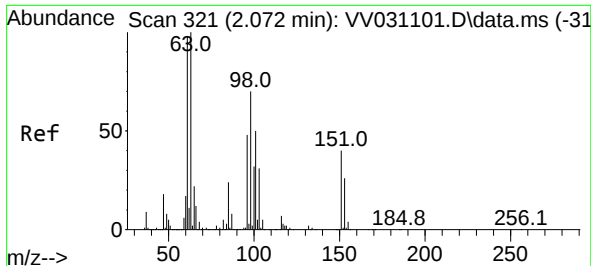
Tgt Ion: 64 Resp: 67322
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.222 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:101 Resp: 169963
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

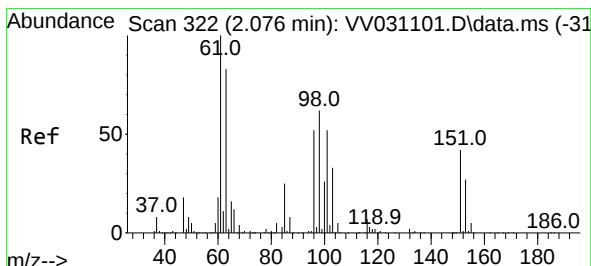
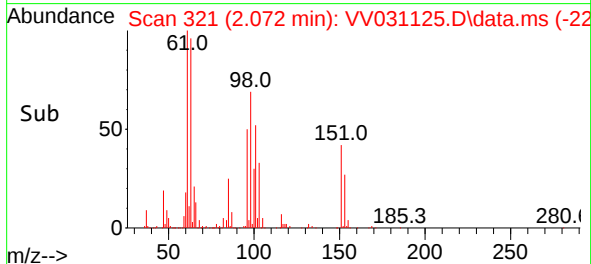
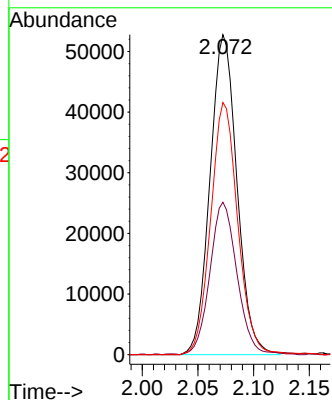
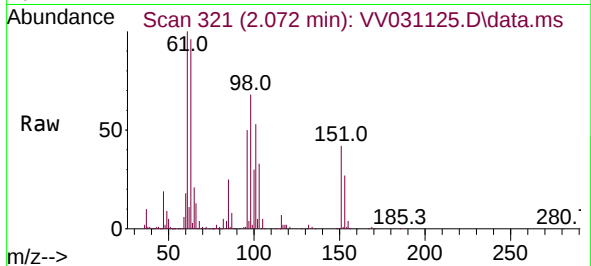




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.716 ug/L
 RT: 2.072 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

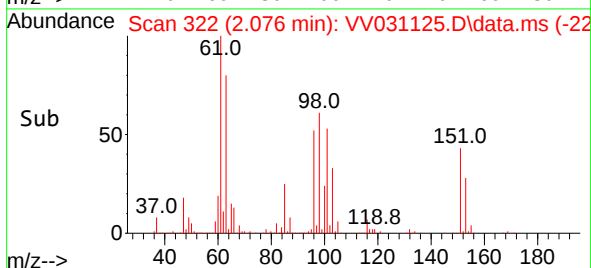
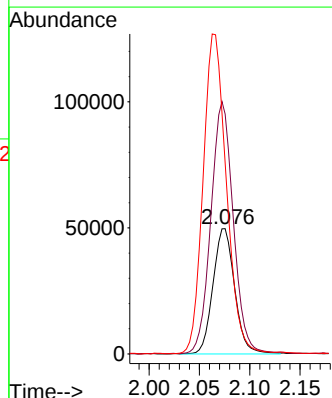
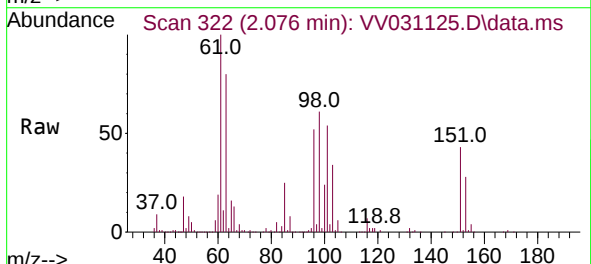
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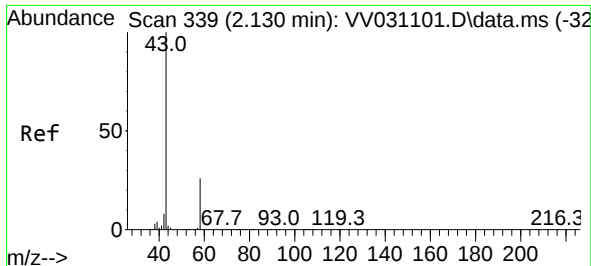
Tgt Ion:101 Resp: 88669
 Ion Ratio Lower Upper
 101 100
 85 47.9 38.0 57.0
 151 79.2 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 46.261 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

Tgt Ion: 96 Resp: 74487
 Ion Ratio Lower Upper
 96 100
 61 191.6 137.9 256.1
 63 152.4 114.2 212.0





#13

Acetone

Concen: 59.916 ug/L

RT: 2.127 min Scan# 339

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

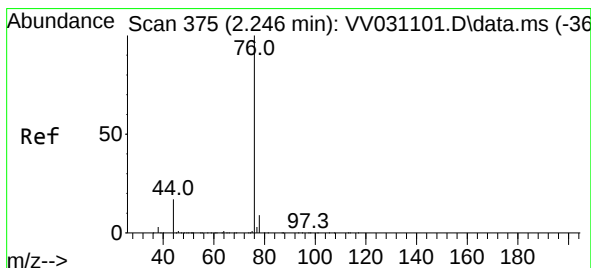
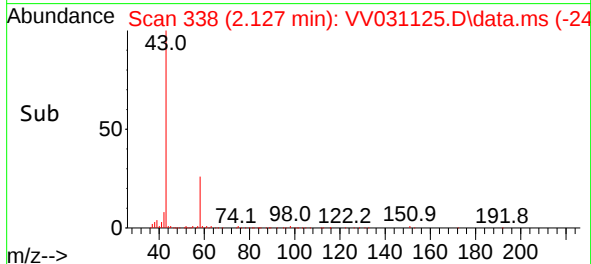
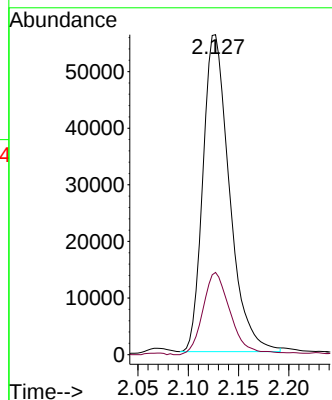
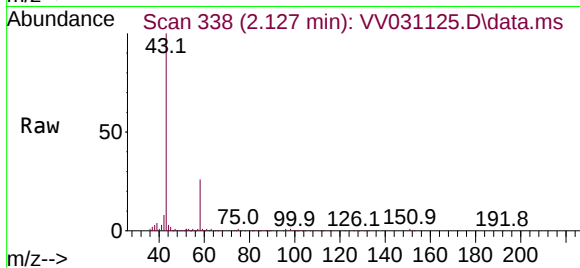
VSTD050347

Tgt Ion: 43 Resp: 102820

Ion Ratio Lower Upper

43 100

58 26.5 0.0 54.0



#14

Carbon disulfide

Concen: 48.680 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

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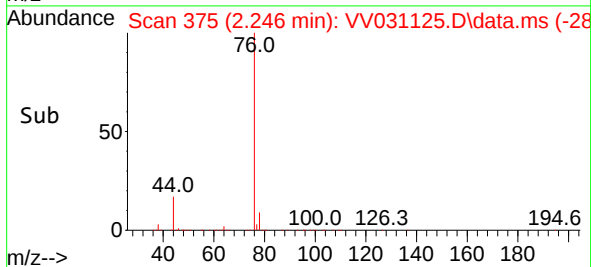
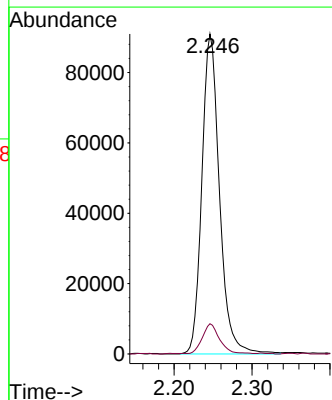
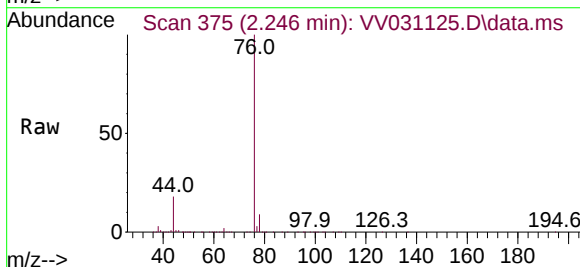
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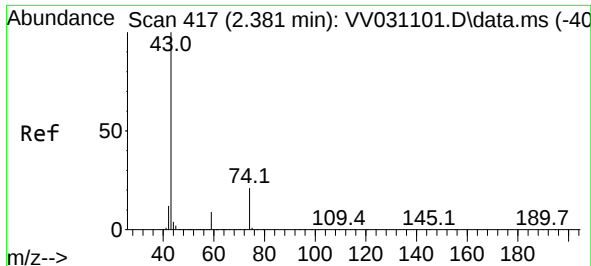
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Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

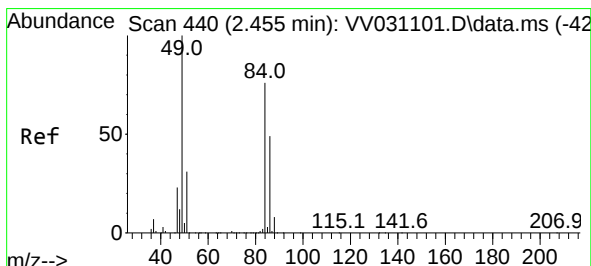
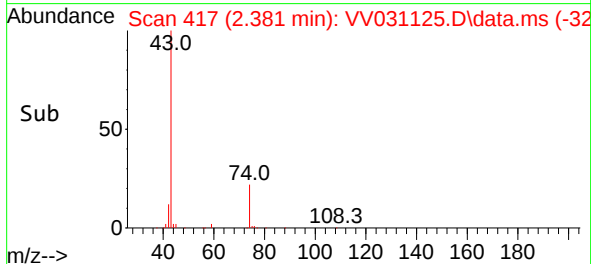
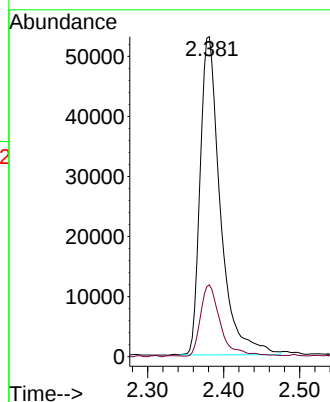
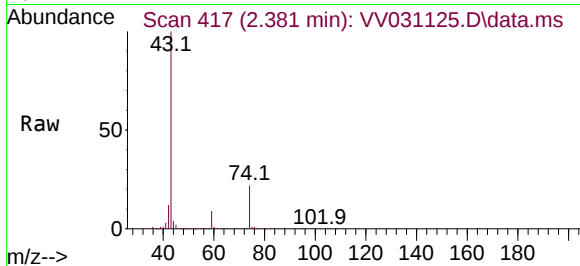




#15
Methyl Acetate
Concen: 50.170 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

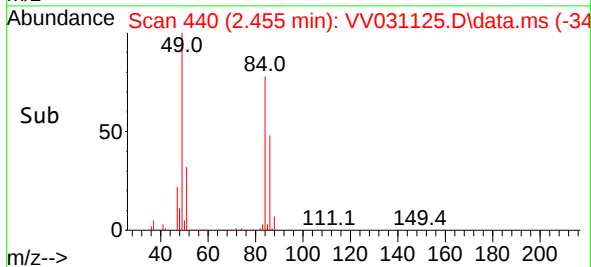
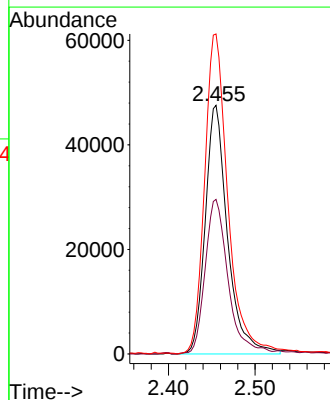
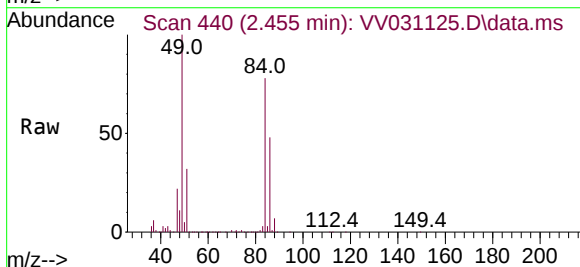
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

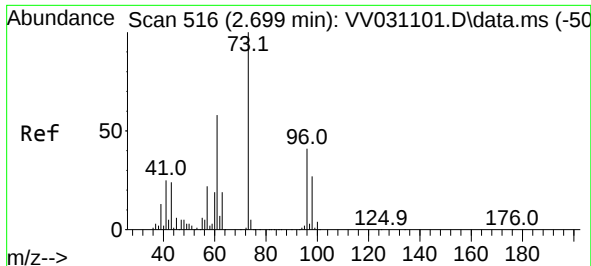
Tgt Ion: 43 Resp: 97849
Ion Ratio Lower Upper
43 100
74 21.4 18.1 27.1



#16
Methylene chloride
Concen: 47.573 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 84 Resp: 85277
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 128.7 92.6 172.0

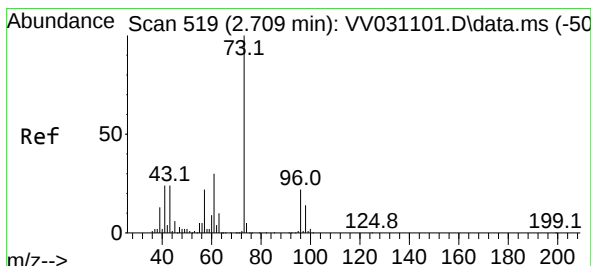
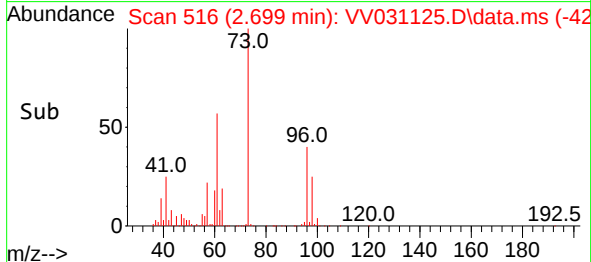
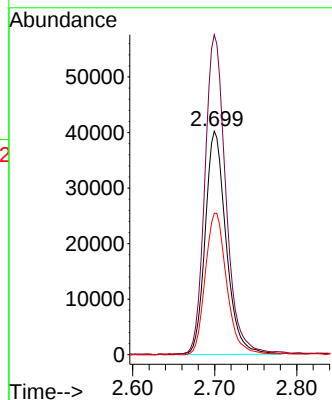
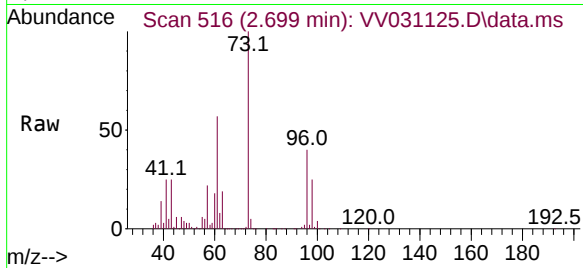




#17
trans-1,2-Dichloroethene
Concen: 47.841 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

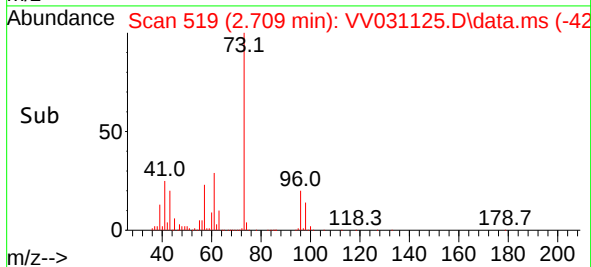
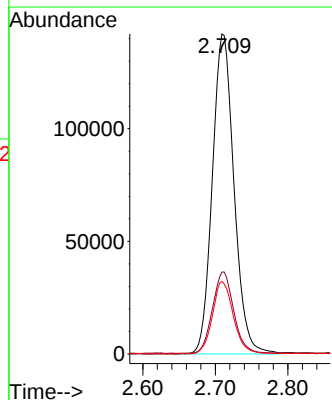
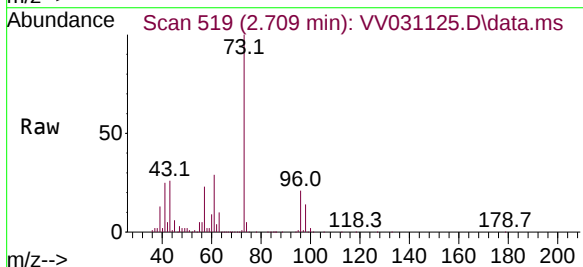
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

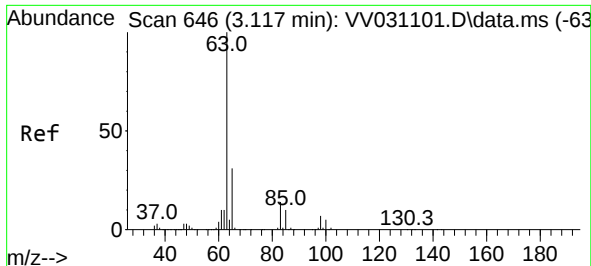
Tgt Ion: 96 Resp: 71221
Ion Ratio Lower Upper
96 100
61 143.2 100.0 185.6
98 63.3 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 51.291 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 73 Resp: 294968
Ion Ratio Lower Upper
73 100
43 24.9 19.4 29.2
57 21.7 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.038 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

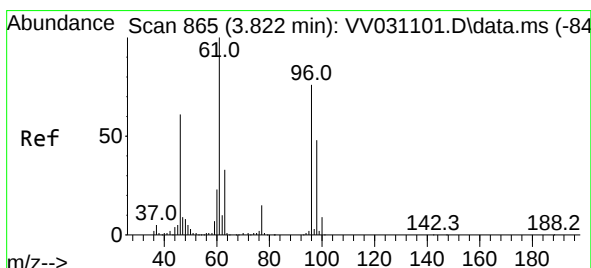
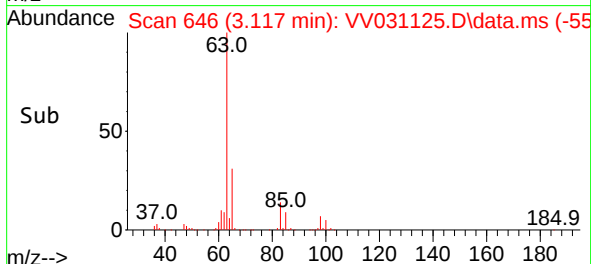
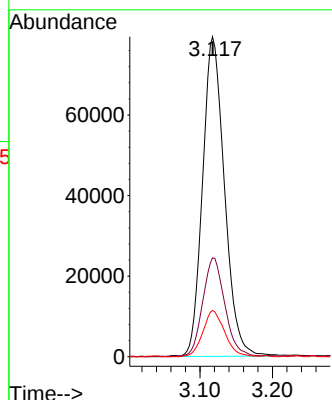
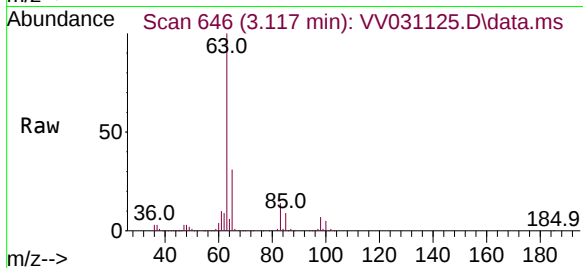
Tgt Ion: 63 Resp: 166370

Ion Ratio Lower Upper

63 100

65 30.9 21.9 40.7

83 14.4 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 50.048 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

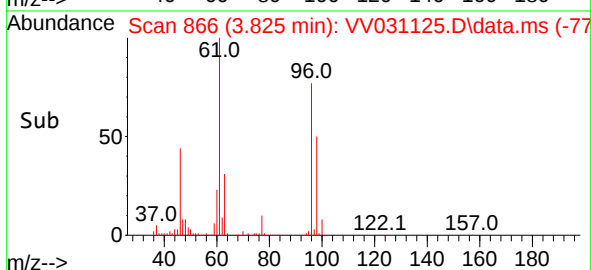
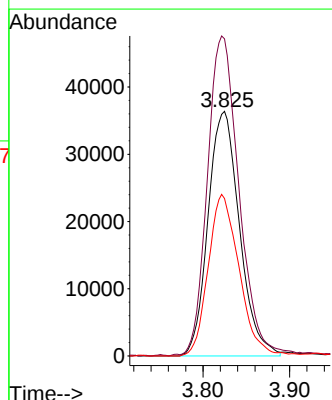
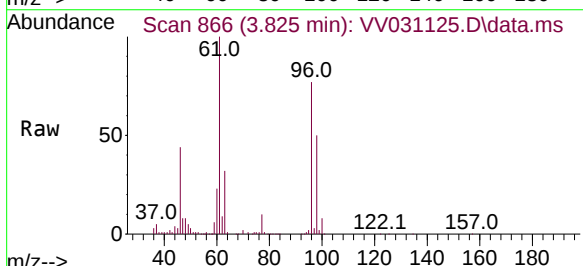
Tgt Ion: 96 Resp: 91848

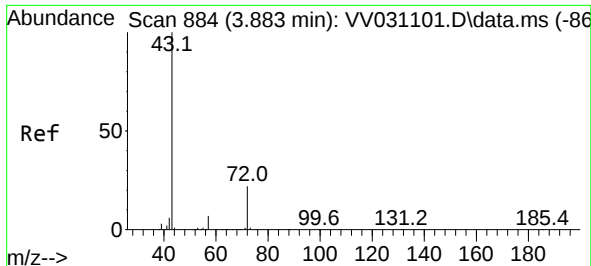
Ion Ratio Lower Upper

96 100

61 129.6 89.2 165.6

98 64.4 43.0 80.0

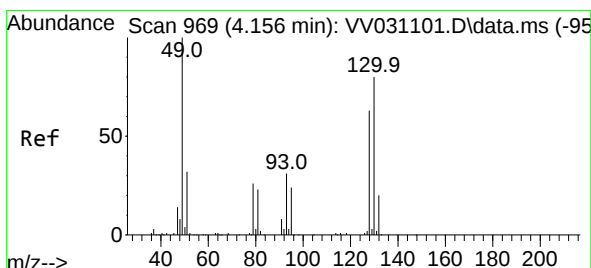
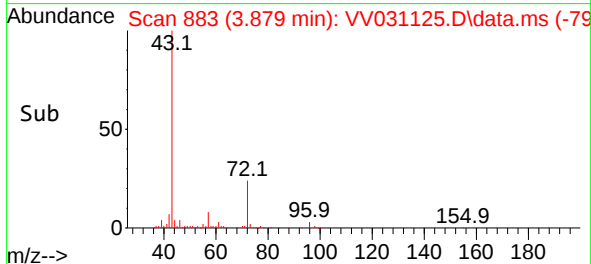
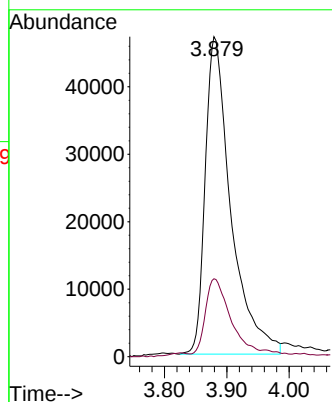
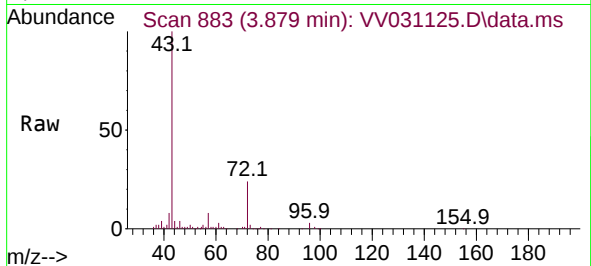




#22
2-Butanone
Concen: 81.852 ug/L
RT: 3.879 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

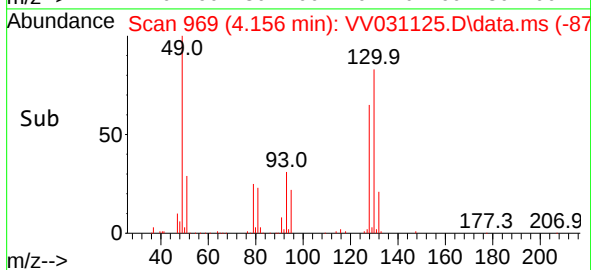
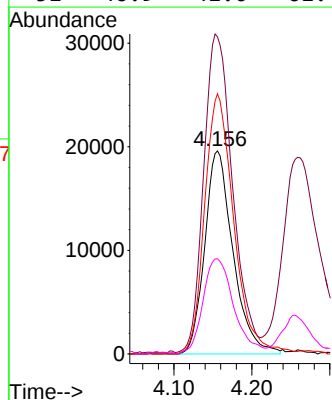
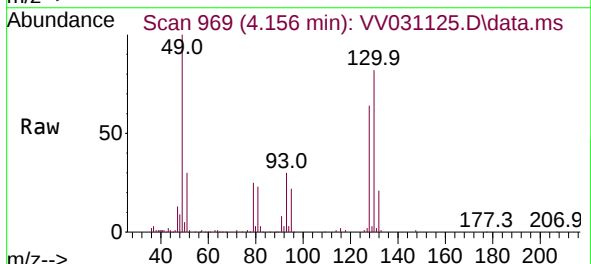
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

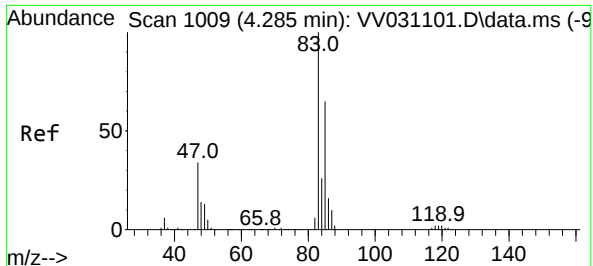
Tgt Ion: 43 Resp: 134698
Ion Ratio Lower Upper
43 100
72 22.4 11.9 35.7



#23
Bromochloromethane
Concen: 48.967 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:128 Resp: 49383
Ion Ratio Lower Upper
128 100
49 156.1 113.2 210.2
130 128.1 87.5 162.5
51 46.9 41.0 61.4





#25

Chloroform

Concen: 48.661 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

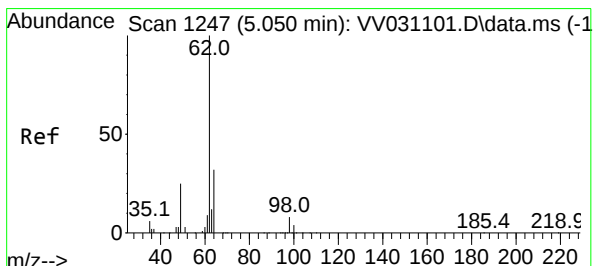
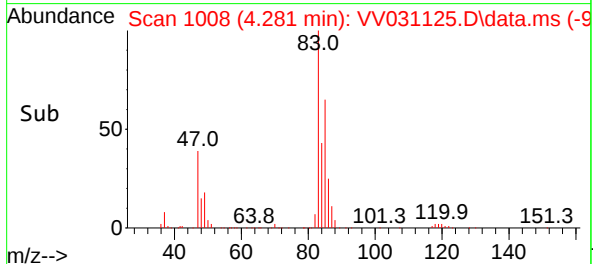
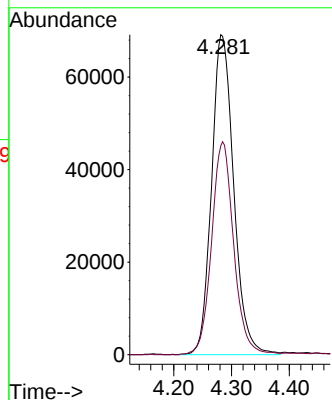
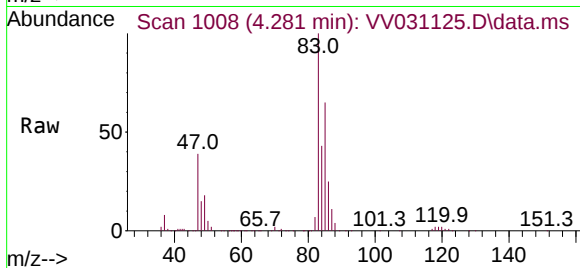
VSTD050347

Tgt Ion: 83 Resp: 184423

Ion Ratio Lower Upper

83 100

85 65.3 47.3 87.9



#27

1,2-Dichloroethane

Concen: 50.409 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VV031125.D

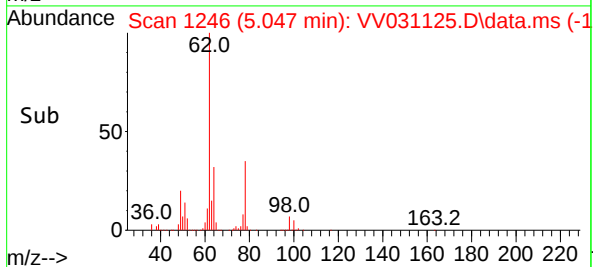
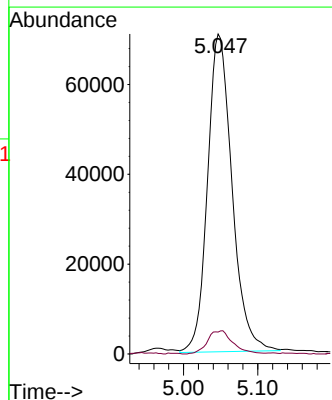
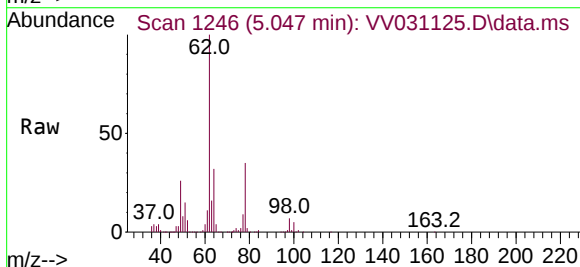
Acq: 19 May 2023 22:39

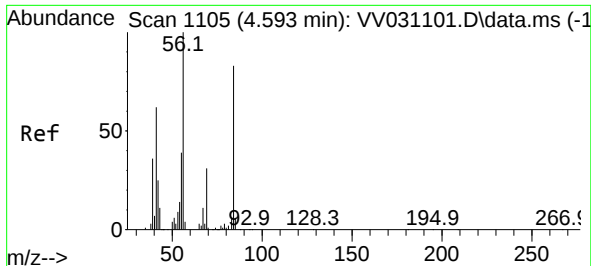
Tgt Ion: 62 Resp: 162097

Ion Ratio Lower Upper

62 100

98 6.9 6.3 9.5





#29

Cyclohexane

Concen: 49.002 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

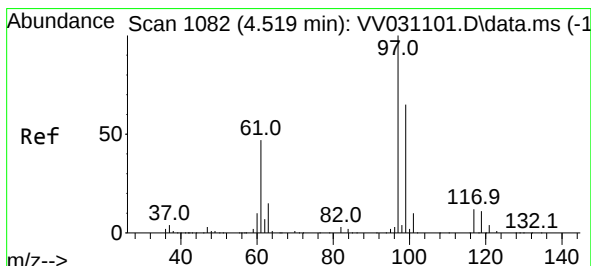
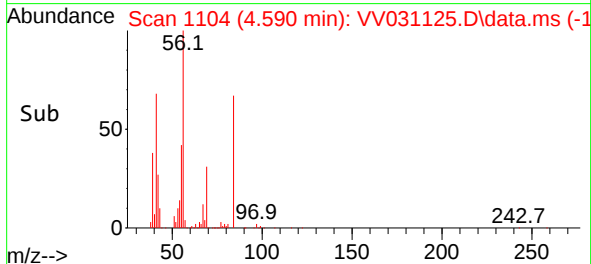
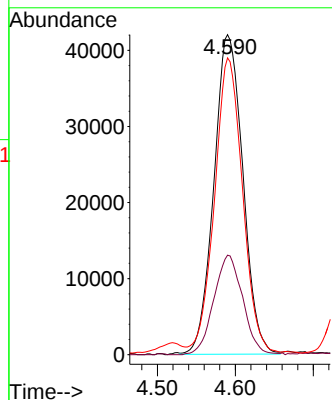
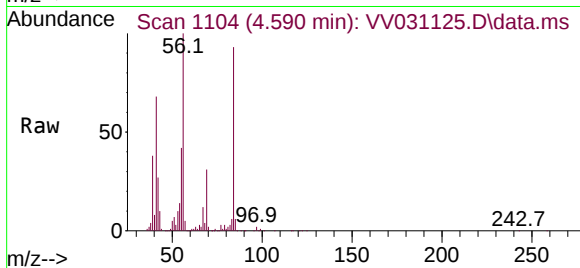
Tgt Ion: 56 Resp: 108698

Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 88.7 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 49.303 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

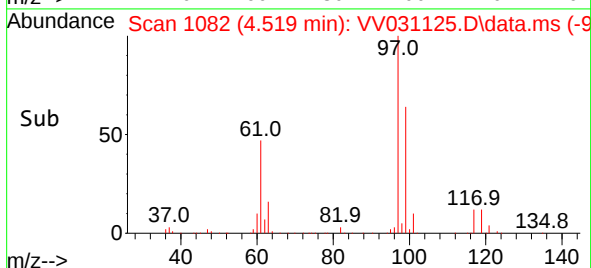
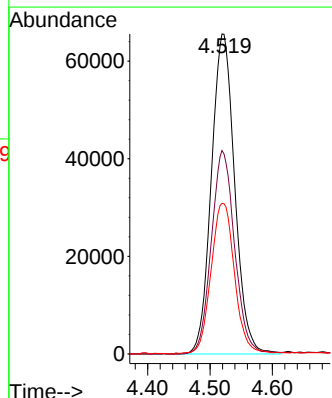
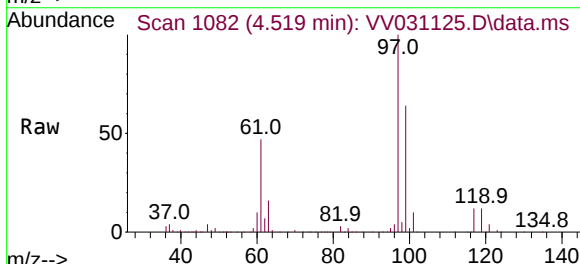
Tgt Ion: 97 Resp: 170550

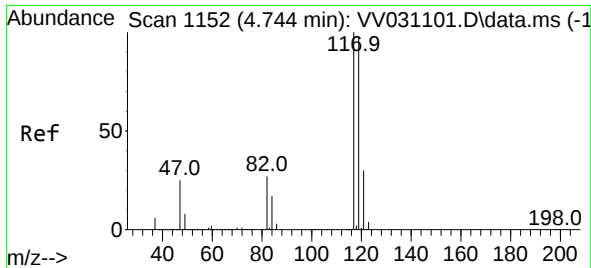
Ion Ratio Lower Upper

97 100

99 63.2 51.9 77.9

61 47.2 38.2 57.2

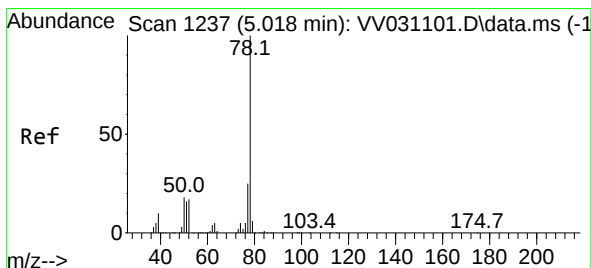
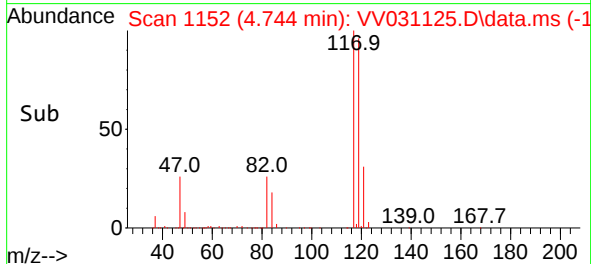
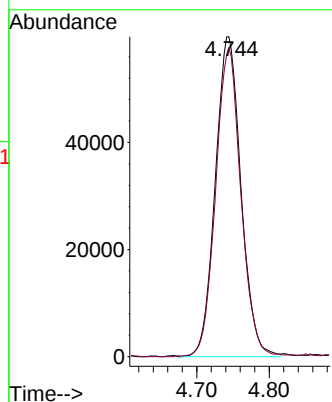
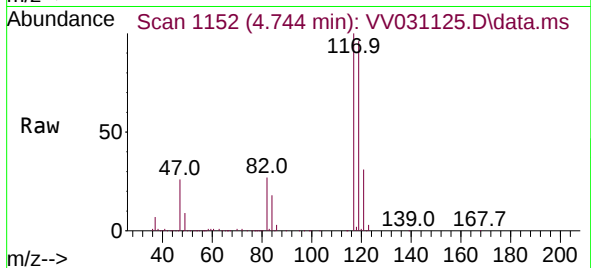




#31
Carbon tetrachloride
Concen: 48.651 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

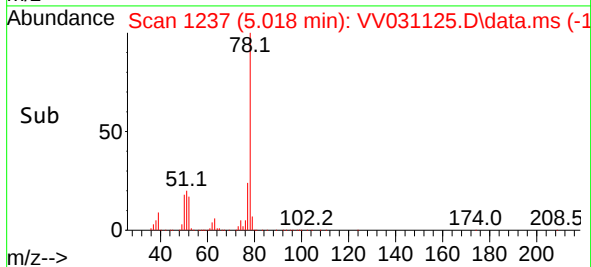
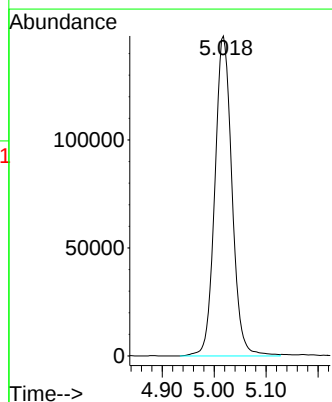
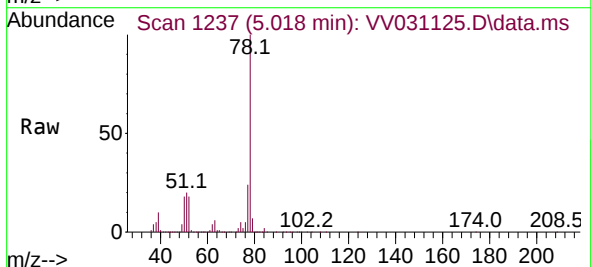
Instrument : MSVOA_V
ClientSampleId : VSTD050347

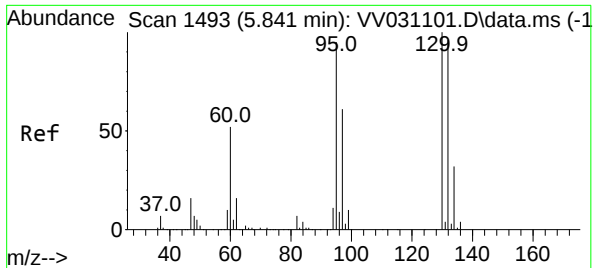
Tgt Ion:117 Resp: 146612
Ion Ratio Lower Upper
117 100
119 94.4 76.9 115.3



#33
Benzene
Concen: 50.292 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 78 Resp: 339646



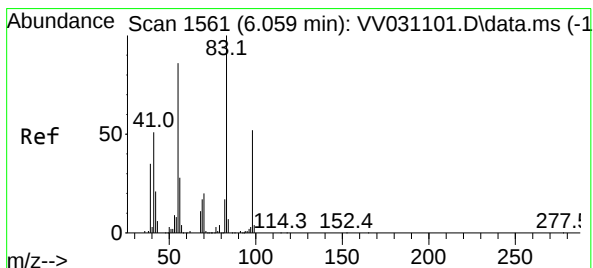
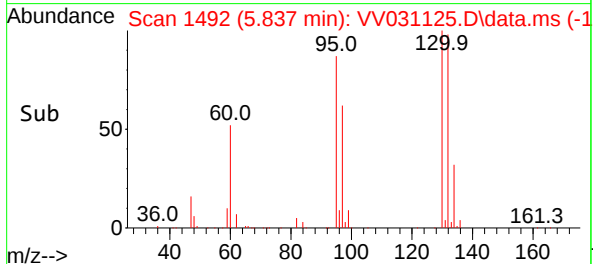
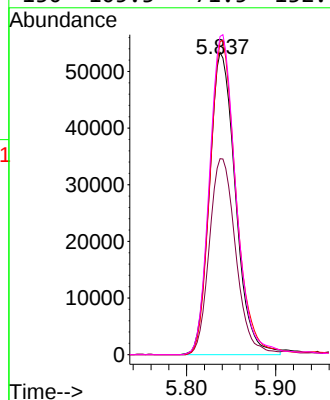
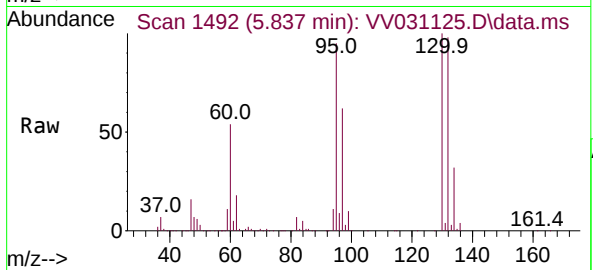


#34
Trichloroethene
Concen: 59.795 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

Tgt Ion: 95 Resp: 108204

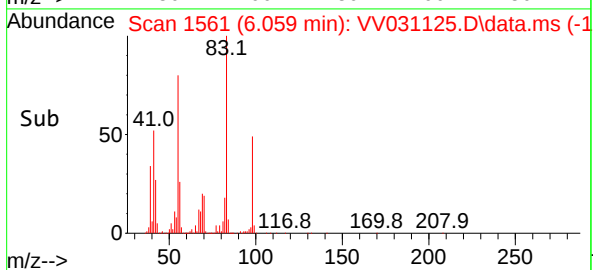
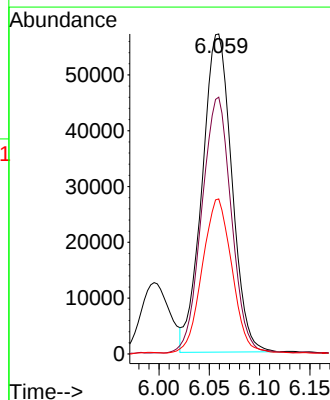
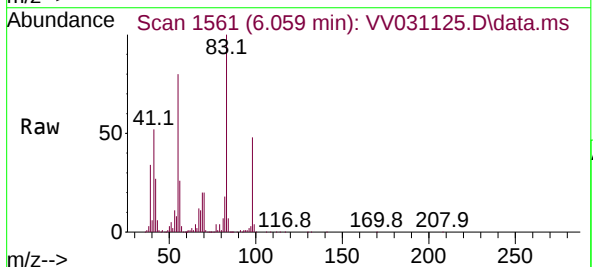
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.4	82.5
132	103.6	70.2	130.4
130	105.3	71.5	132.7

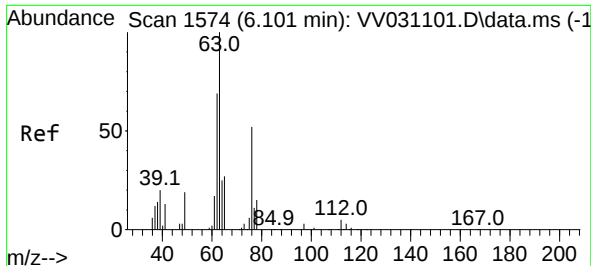


#35
Methylcyclohexane
Concen: 48.737 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 83 Resp: 117029

Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.2	96.2
98	48.5	40.0	60.0

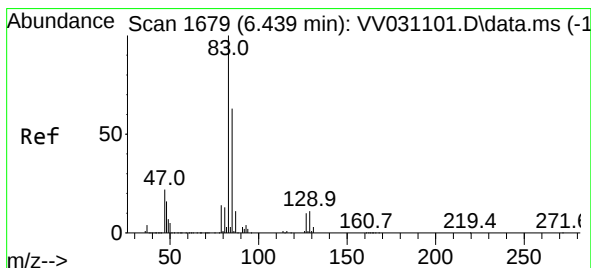
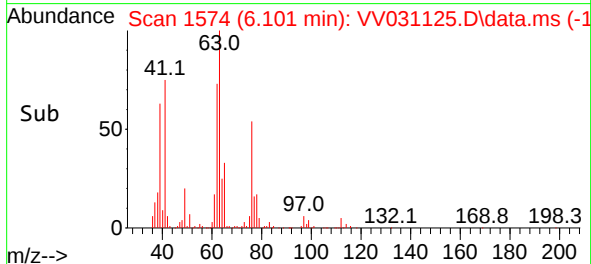
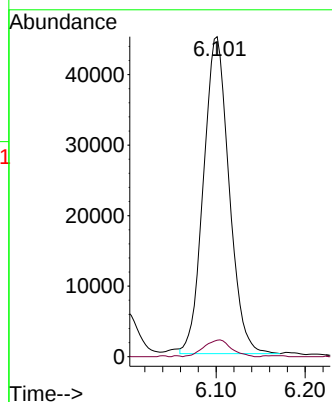
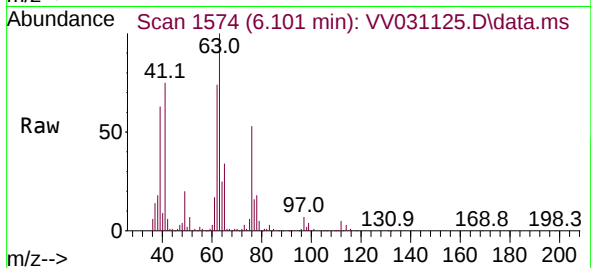




#37
1,2-Dichloropropane
Concen: 48.277 ug/L
RT: 6.101 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

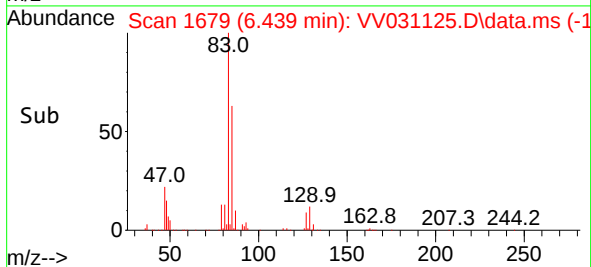
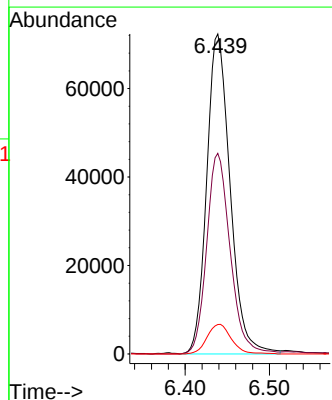
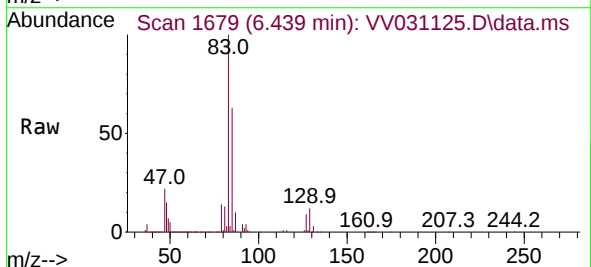
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

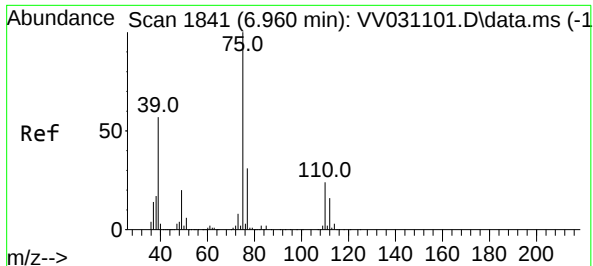
Tgt Ion: 63 Resp: 89738
Ion Ratio Lower Upper
63 100
112 5.6 4.3 6.5



#38
Bromodichloromethane
Concen: 48.560 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 83 Resp: 139923
Ion Ratio Lower Upper
83 100
85 62.7 44.0 81.6
127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 49.882 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

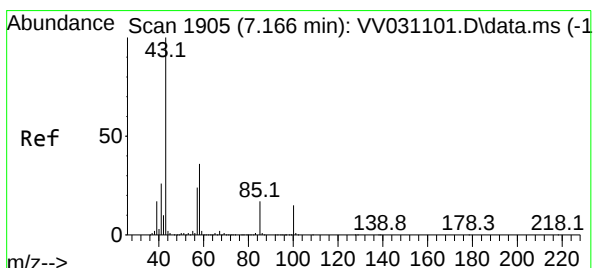
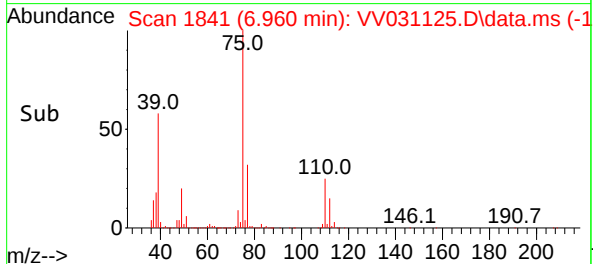
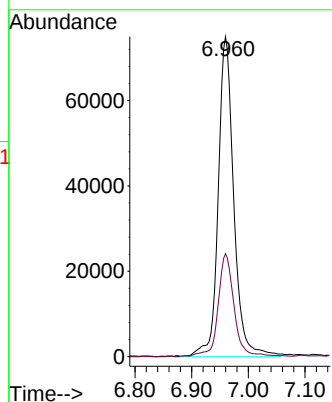
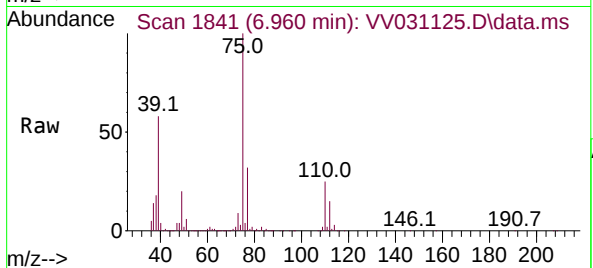
VSTD050347

Tgt Ion: 75 Resp: 142976

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 99.976 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

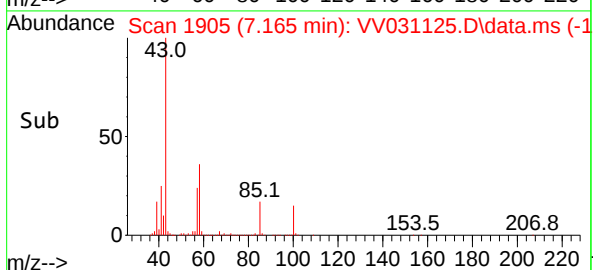
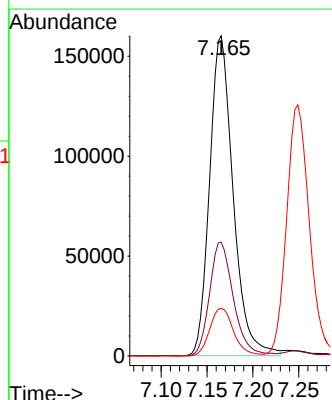
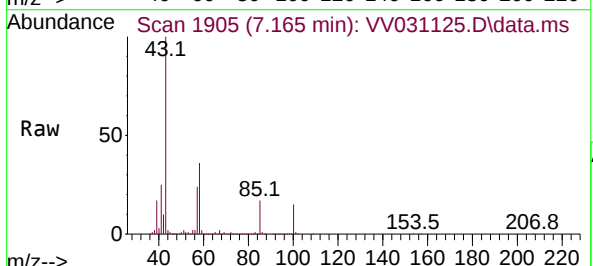
Tgt Ion: 43 Resp: 285965

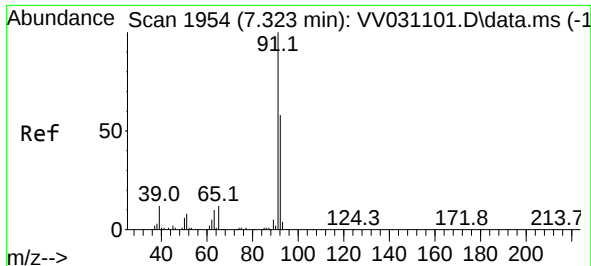
Ion Ratio Lower Upper

43 100

58 35.9 29.0 43.4

100 15.2 12.2 18.4

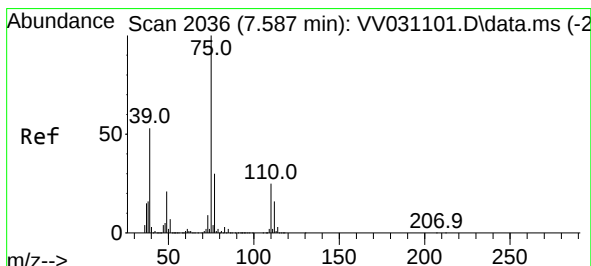
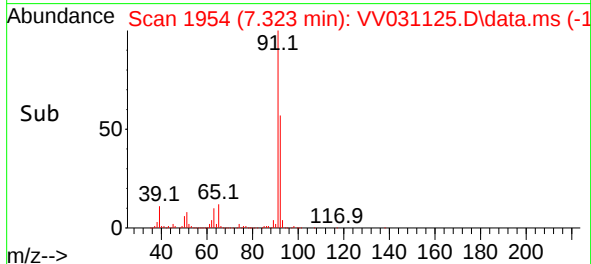
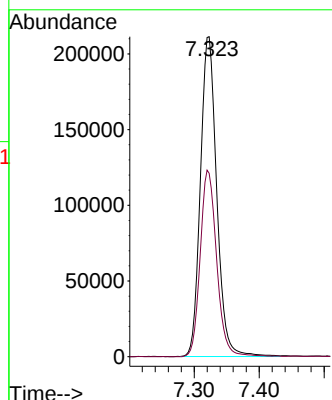
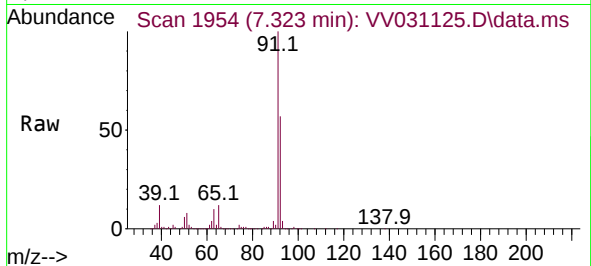




#42
Toluene
Concen: 50.708 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

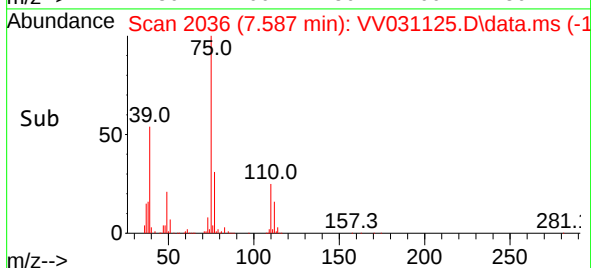
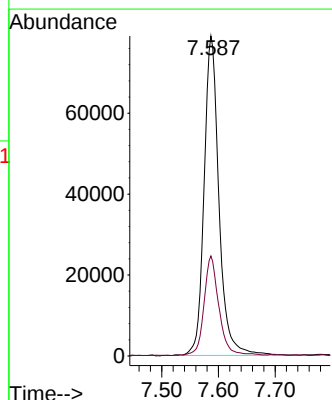
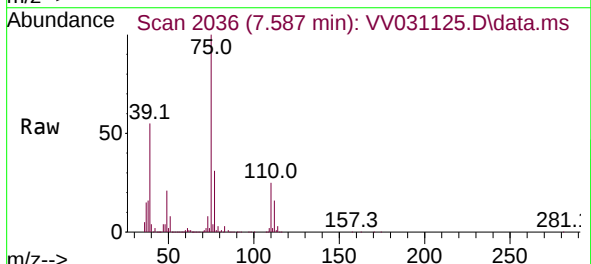
Instrument : MSVOA_V
ClientSampleId : VSTD050347

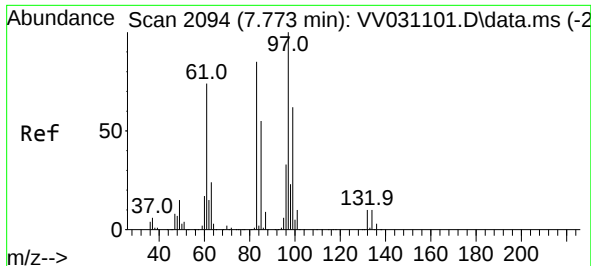
Tgt Ion: 91 Resp: 370512
Ion Ratio Lower Upper
91 100
92 57.3 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 49.734 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 75 Resp: 144211
Ion Ratio Lower Upper
75 100
77 31.2 22.2 41.2

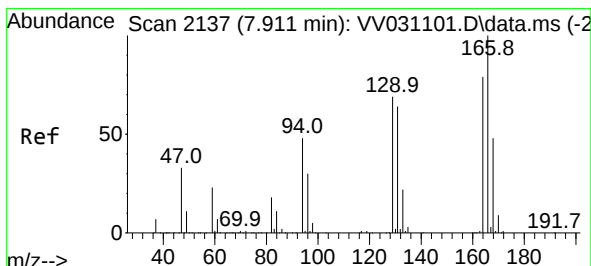
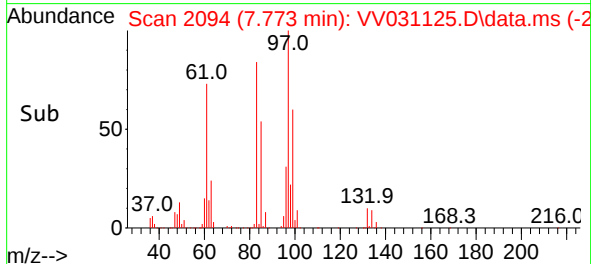
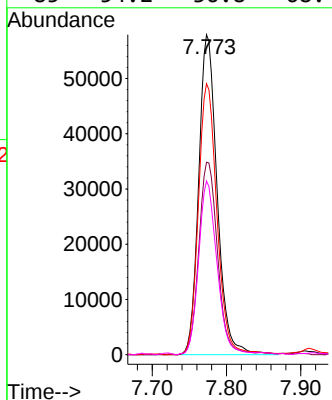
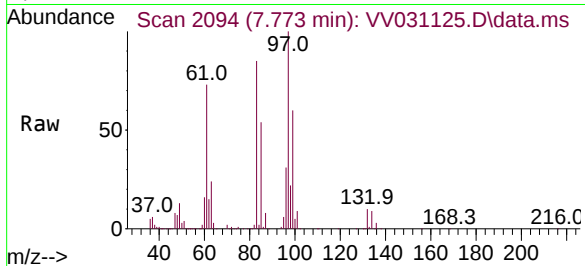




#45
1,1,2-Trichloroethane
Concen: 49.349 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

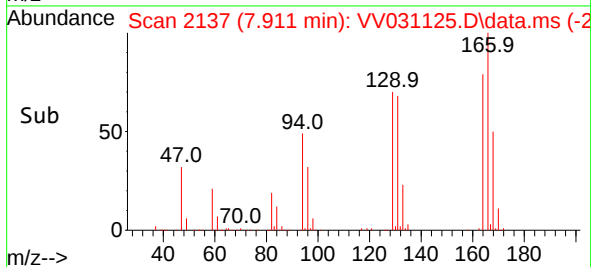
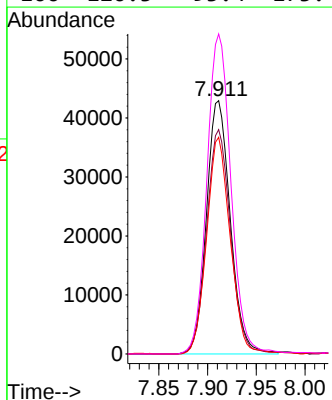
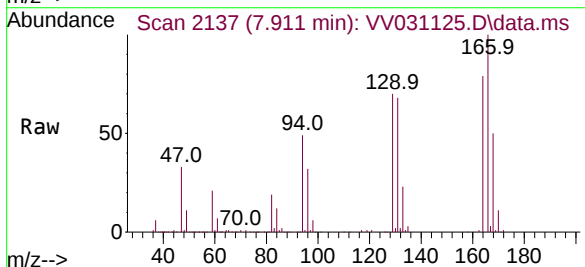
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

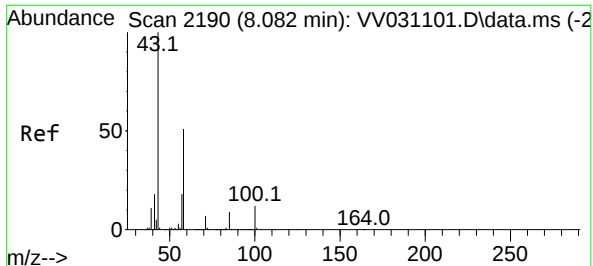
Tgt Ion: 97	Resp: 100097
Ion Ratio	Lower Upper
97 100	
99 60.2	43.2 80.2
83 84.7	60.5 112.3
85 54.2	36.8 68.4



#46
Tetrachloroethene
Concen: 47.151 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt	Ion:164	Resp:	73265
Ion	Ratio	Lower	Upper
164	100		
129	88.5	65.5	121.7
131	85.5	62.1	115.3
166	126.3	93.4	173.4



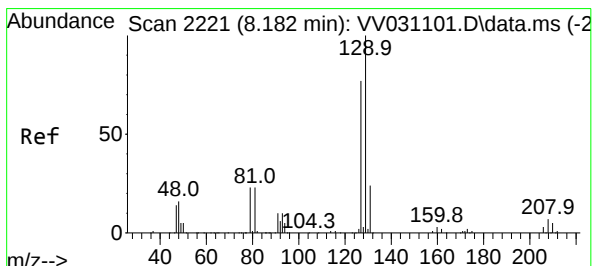
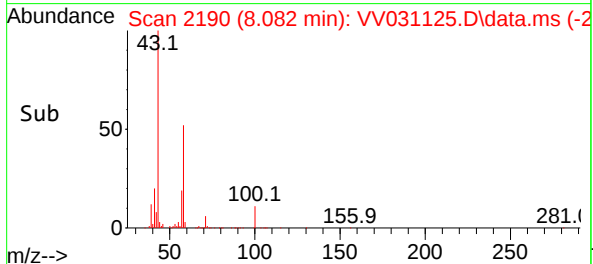
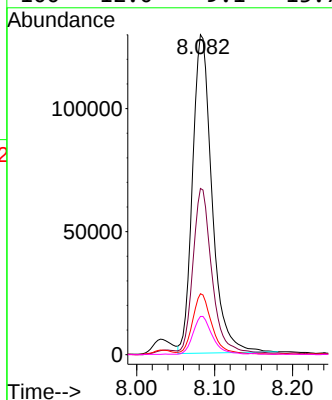
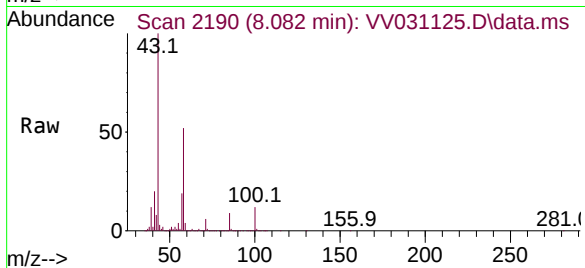


#48
2-Hexanone
Concen: 94.355 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

Tgt Ion: 43 Resp: 224788

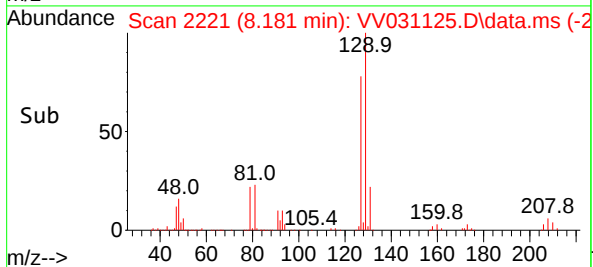
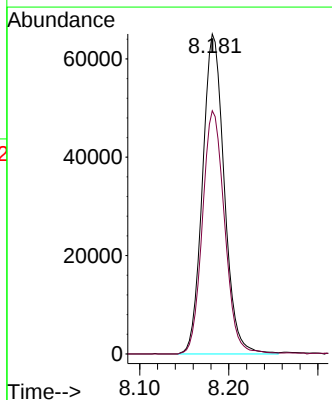
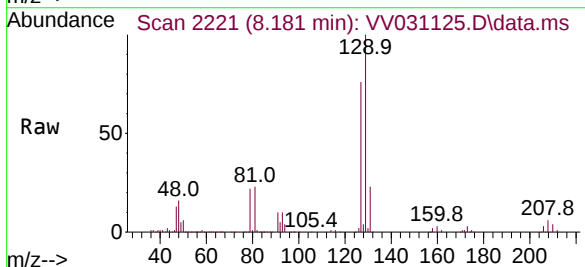
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.8	59.6
57	18.4	14.4	21.6
100	12.0	9.1	13.7

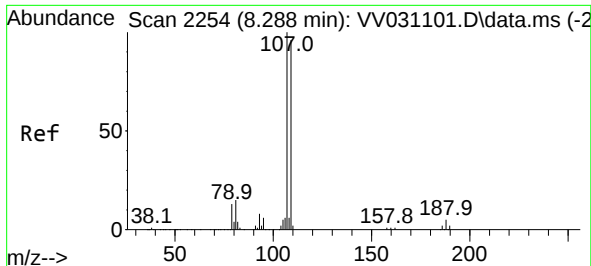


#49
Dibromochloromethane
Concen: 48.132 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 129 Resp: 110153

Ion	Ratio	Lower	Upper
129	100		
127	76.0	56.1	104.1





#50

1,2-Dibromoethane

Concen: 47.755 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

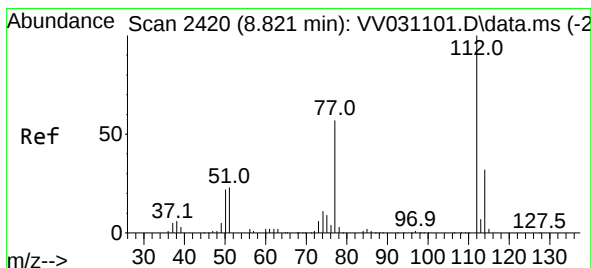
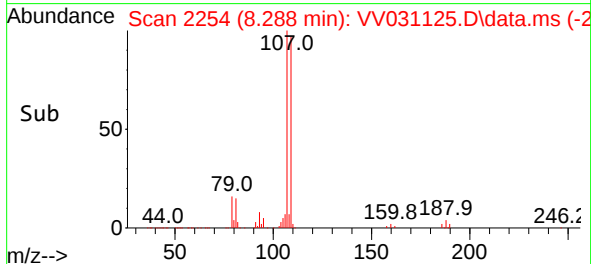
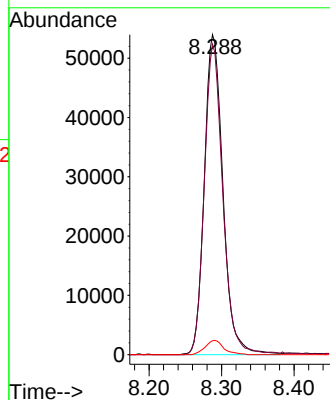
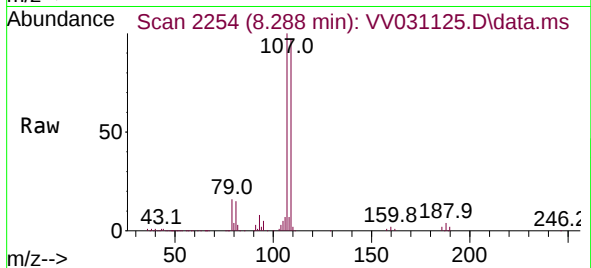
Tgt Ion:107 Resp: 96305

Ion Ratio Lower Upper

107 100

109 97.1 65.6 121.8

188 4.4 3.8 5.6



#51

Chlorobenzene

Concen: 48.311 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

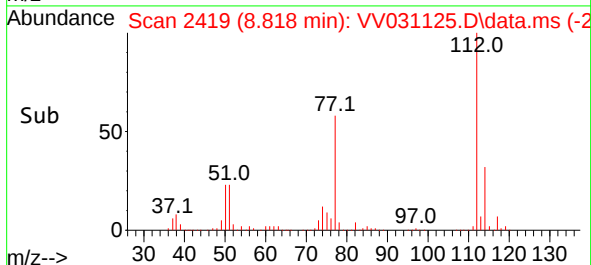
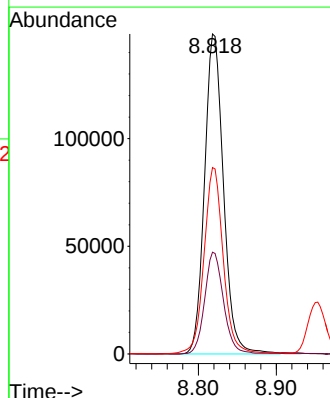
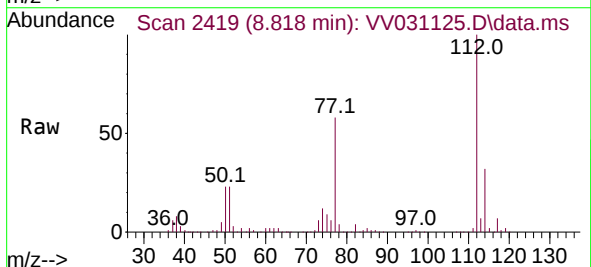
Tgt Ion:112 Resp: 251245

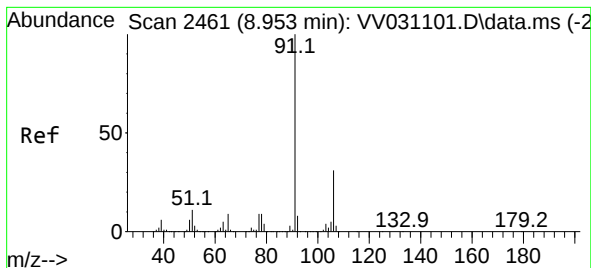
Ion Ratio Lower Upper

112 100

114 31.8 23.0 42.8

77 58.3 46.2 69.4





#52

Ethylbenzene

Concen: 48.680 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

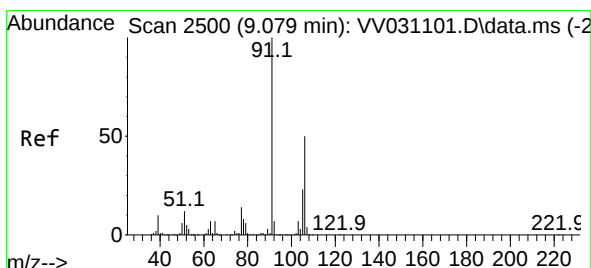
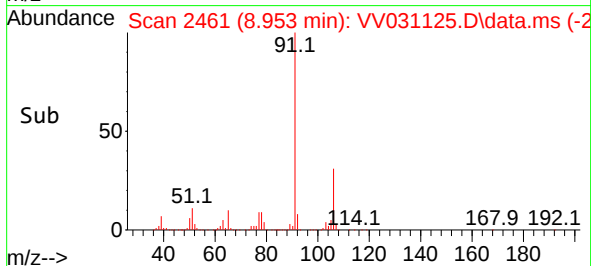
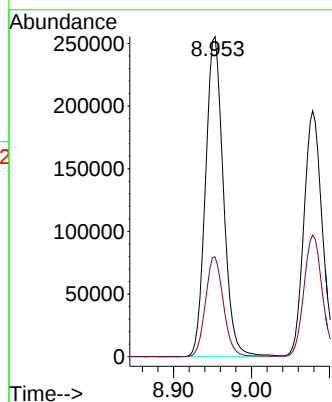
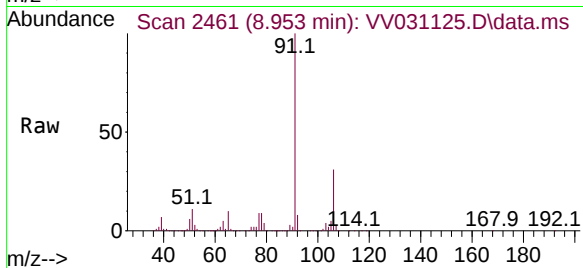
VSTD050347

Tgt Ion: 91 Resp: 407245

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



#53

m,p-Xylene

Concen: 49.088 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031125.D

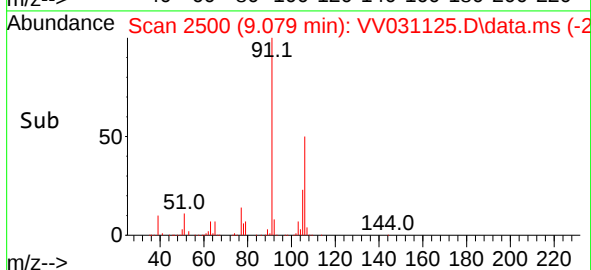
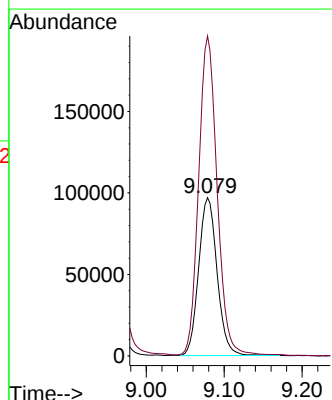
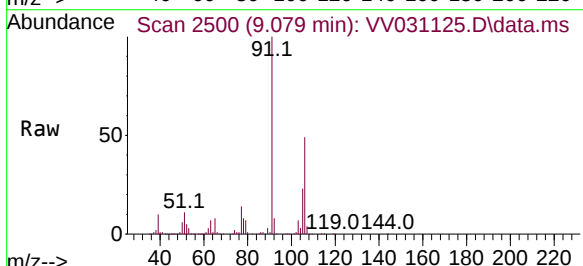
Acq: 19 May 2023 22:39

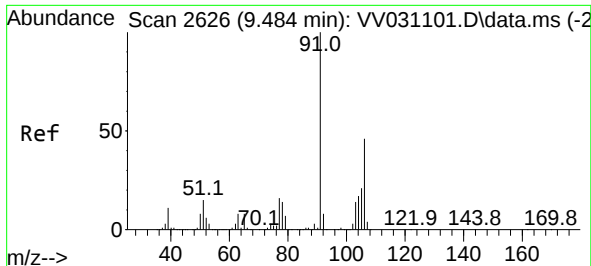
Tgt Ion: 106 Resp: 159295

Ion Ratio Lower Upper

106 100

91 202.3 145.3 269.8

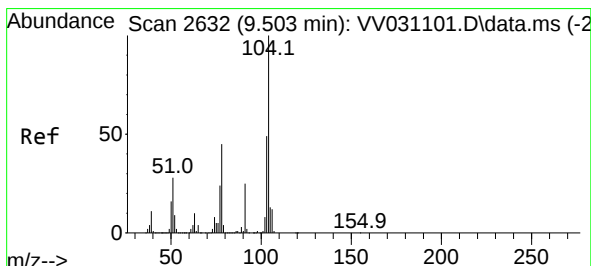
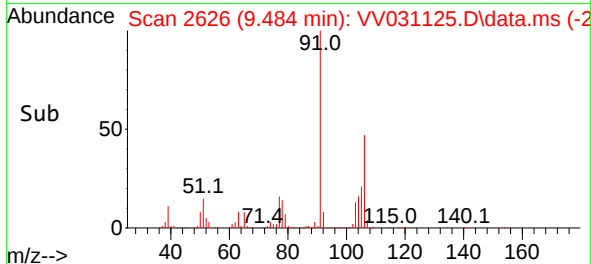
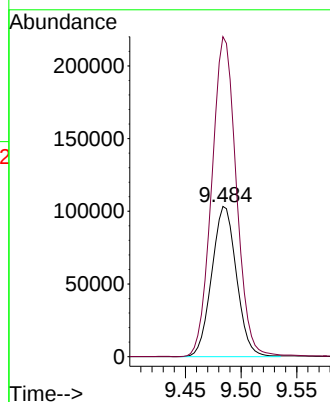
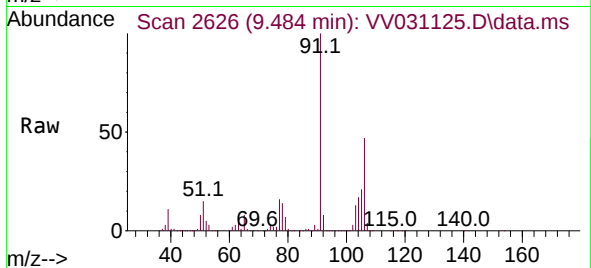




#54
o-Xylene
Concen: 49.874 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

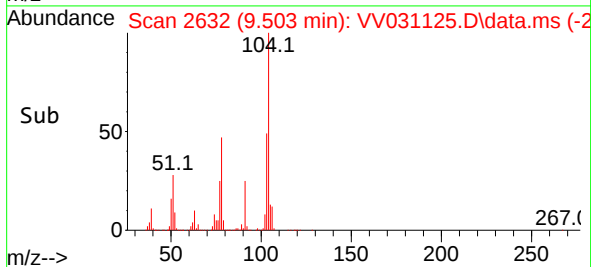
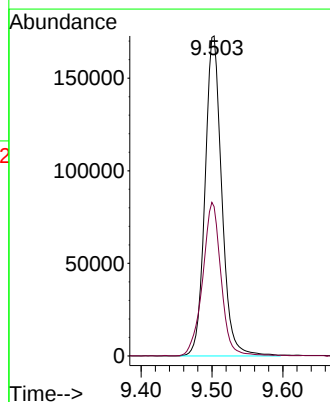
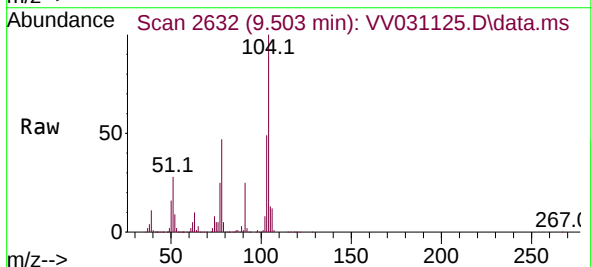
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

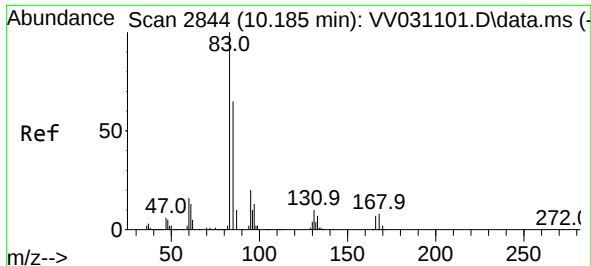
Tgt Ion:106 Resp: 159661
Ion Ratio Lower Upper
106 100
91 213.1 150.4 279.2



#55
Styrene
Concen: 50.155 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:104 Resp: 283965
Ion Ratio Lower Upper
104 100
78 46.7 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 48.603 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

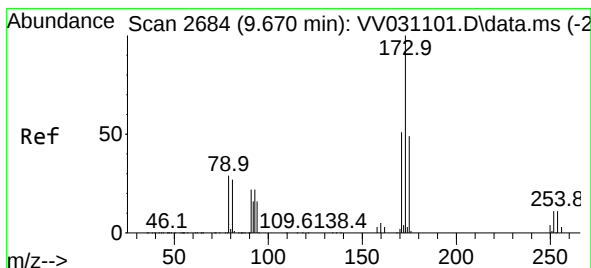
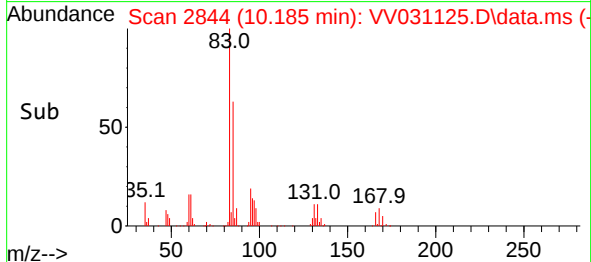
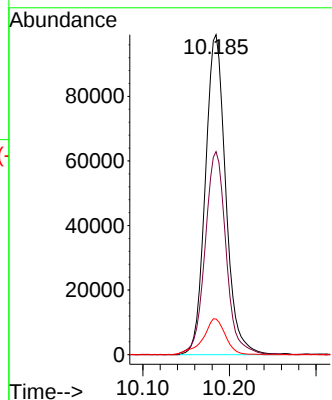
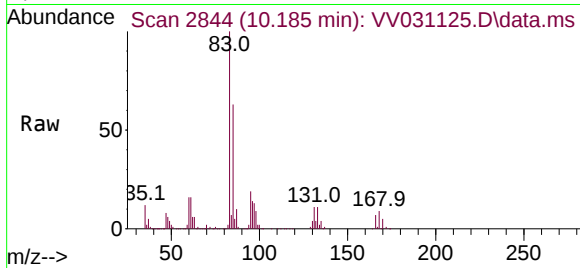
Tgt Ion: 83 Resp: 161981

Ion Ratio Lower Upper

83 100

85 63.5 45.0 83.6

131 11.2 9.2 13.8



#59

Bromoform

Concen: 49.545 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

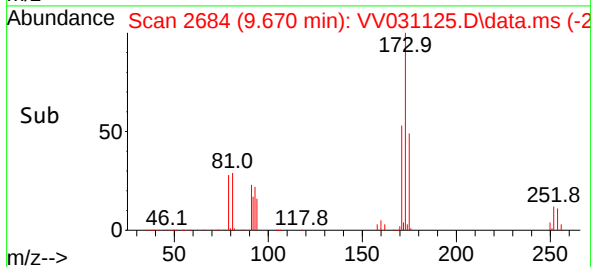
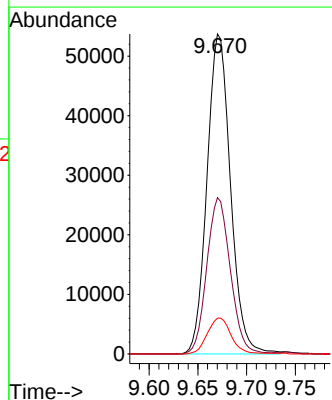
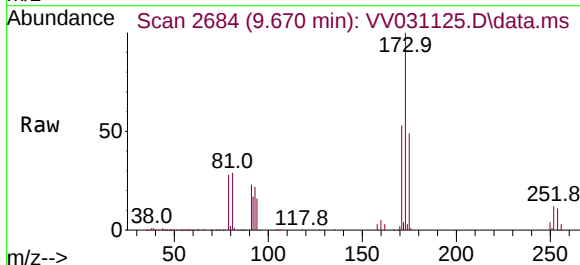
Tgt Ion: 173 Resp: 90244

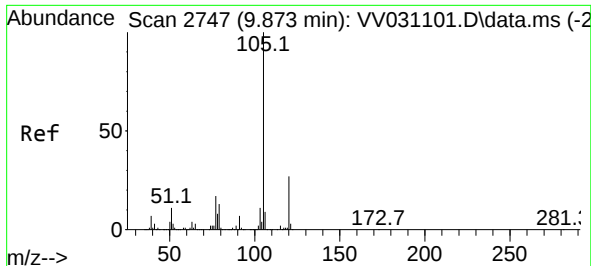
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 11.5 8.8 13.2

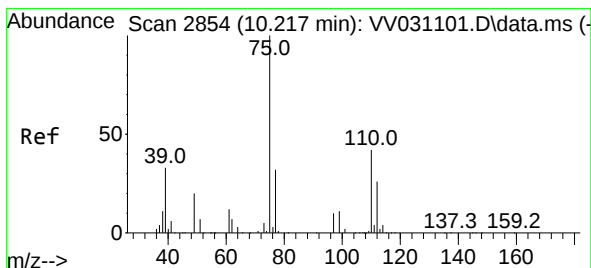
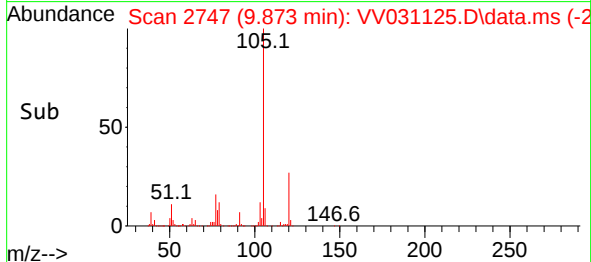
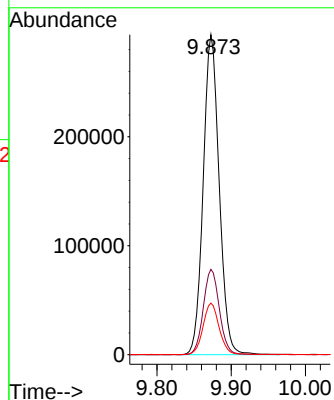
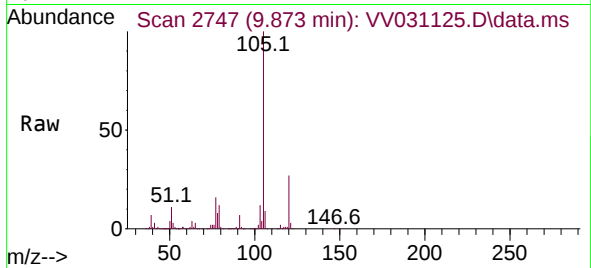




#60
Isopropylbenzene
Concen: 52.171 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

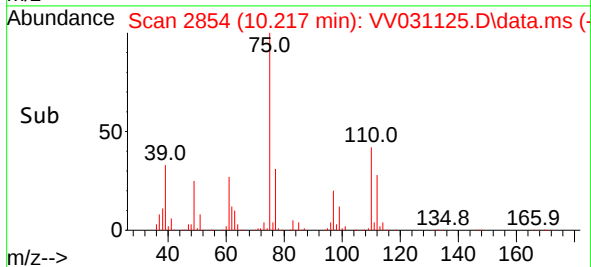
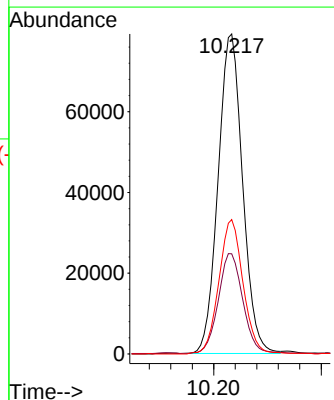
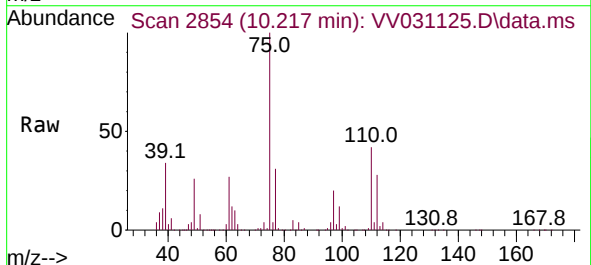
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

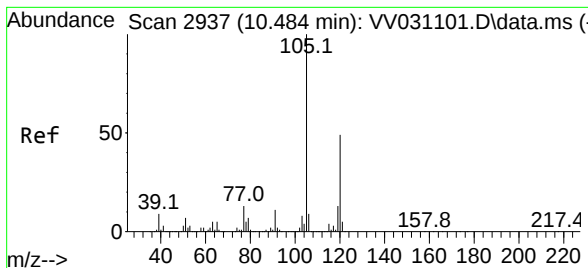
Tgt Ion:105 Resp: 438301
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 51.827 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 75 Resp: 125244
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
110 41.5 32.5 48.7

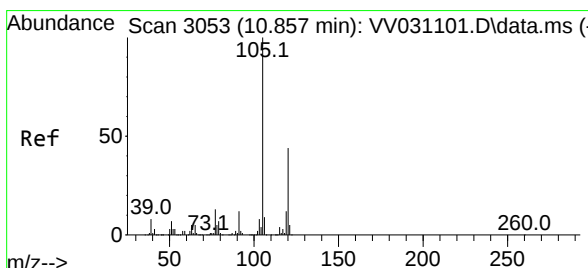
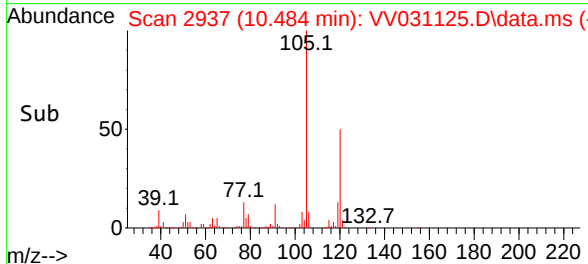
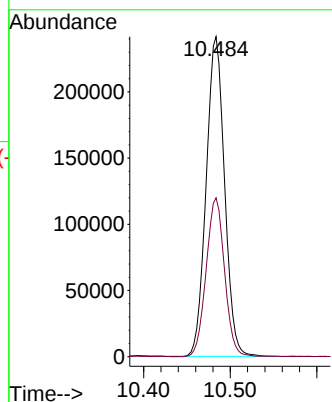
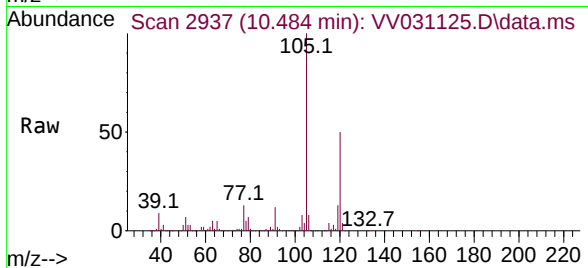




#62
 1,3,5-Trimethylbenzene
 Concen: 51.587 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

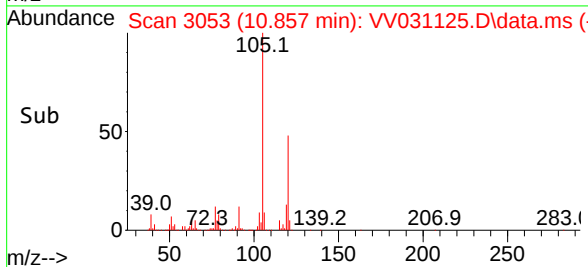
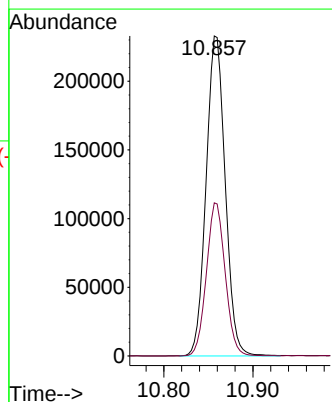
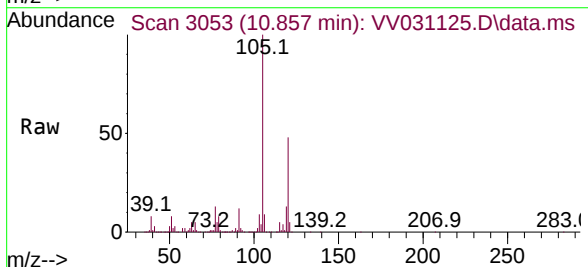
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

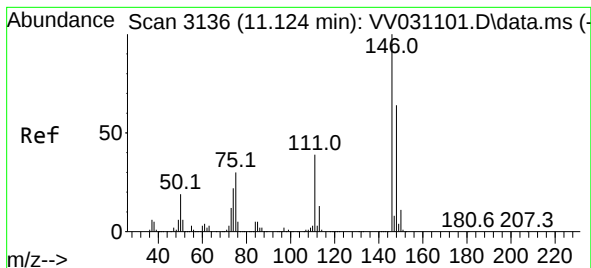
Tgt Ion:105 Resp: 356240
 Ion Ratio Lower Upper
 105 100
 120 49.8 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 51.342 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

Tgt Ion:105 Resp: 346666
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 49.885 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

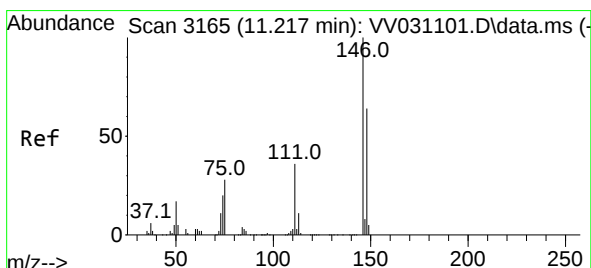
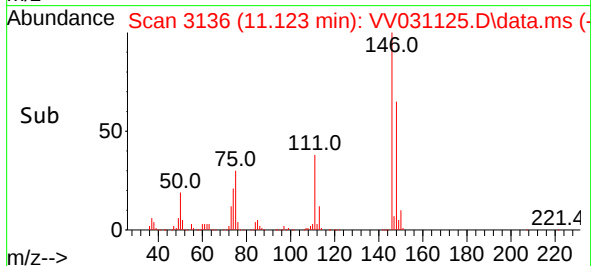
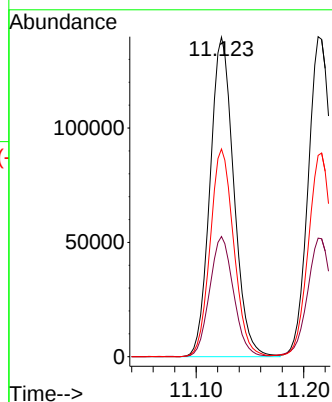
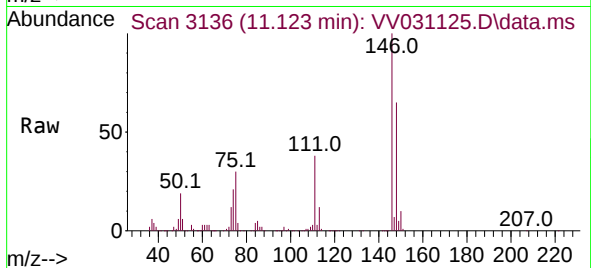
Tgt Ion:146 Resp: 214737

Ion Ratio Lower Upper

146 100

111 37.6 27.2 50.4

148 65.0 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 49.498 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

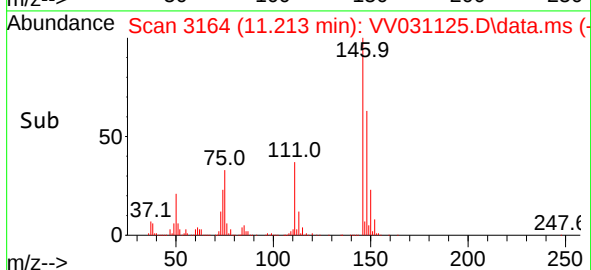
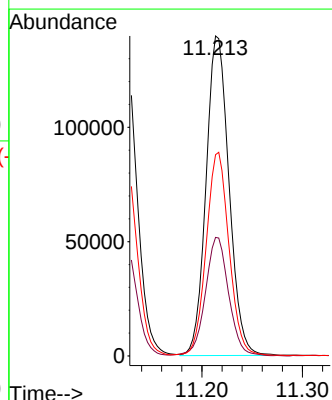
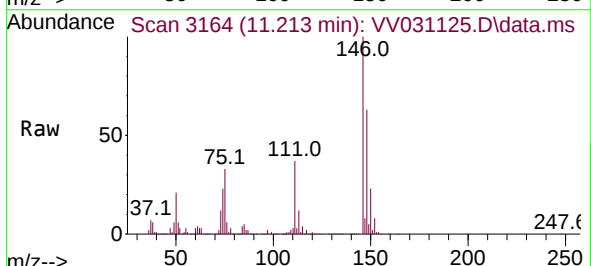
Tgt Ion:146 Resp: 221667

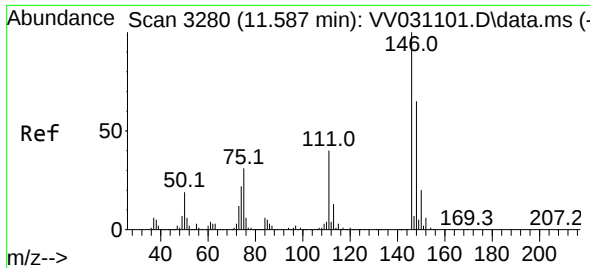
Ion Ratio Lower Upper

146 100

111 37.1 25.5 47.3

148 62.9 44.5 82.7

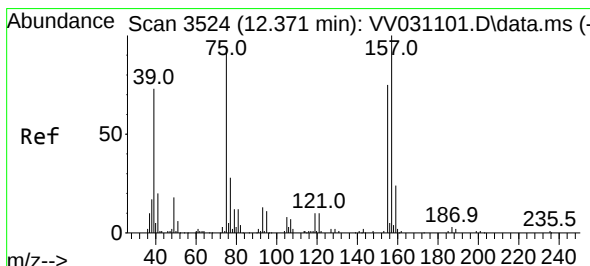
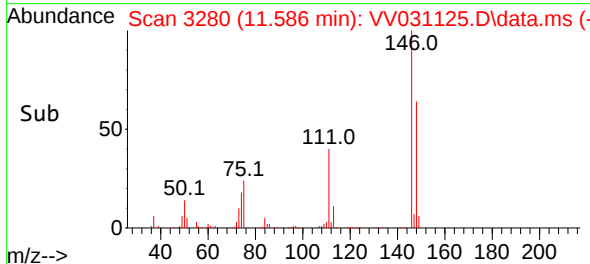
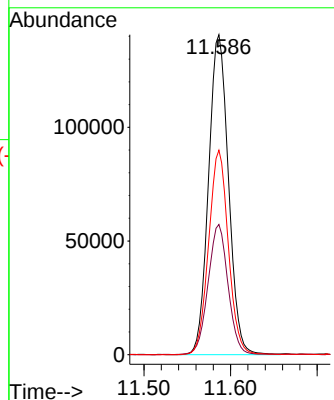
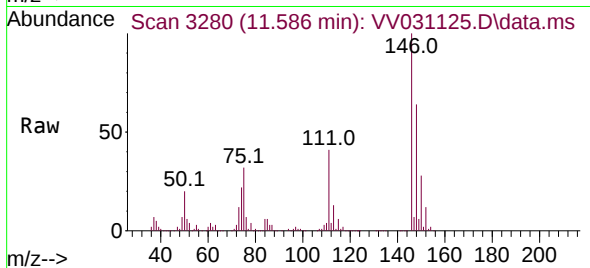




#67
 1,2-Dichlorobenzene
 Concen: 51.443 ug/L
 RT: 11.586 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

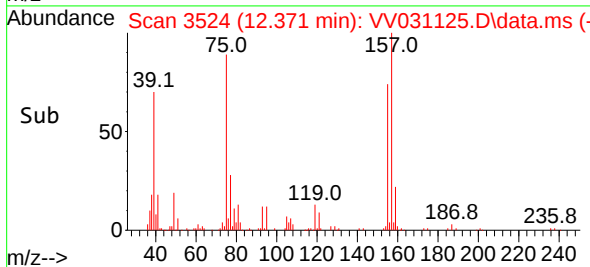
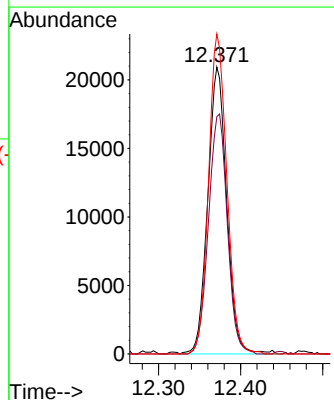
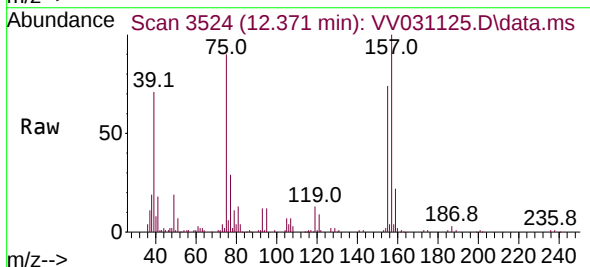
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

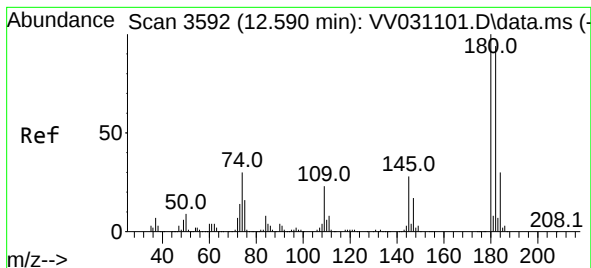
Tgt Ion:146 Resp: 224696
 Ion Ratio Lower Upper
 146 100
 111 40.7 31.4 47.2
 148 63.9 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.279 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

Tgt Ion: 75 Resp: 33589
 Ion Ratio Lower Upper
 75 100
 155 82.6 70.9 106.3
 157 111.5 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 42.851 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion:180 Resp: 142596

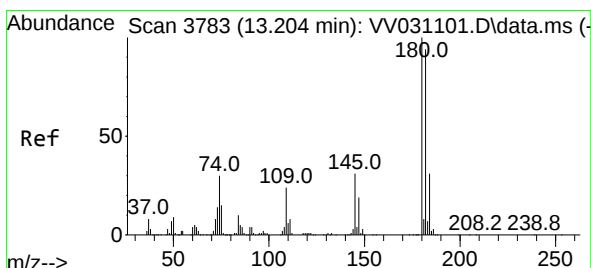
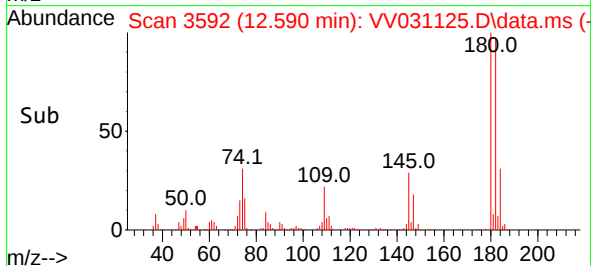
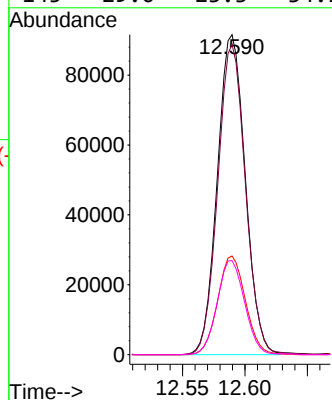
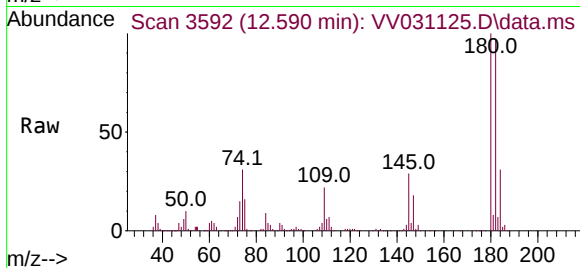
Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

184 30.7 24.6 37.0

145 29.0 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 41.437 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

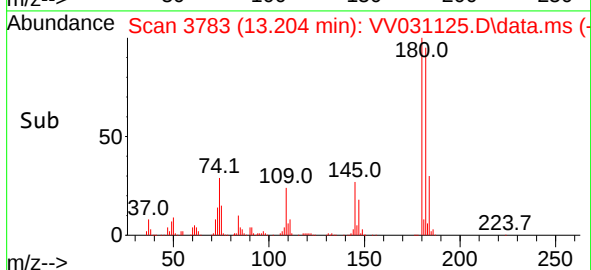
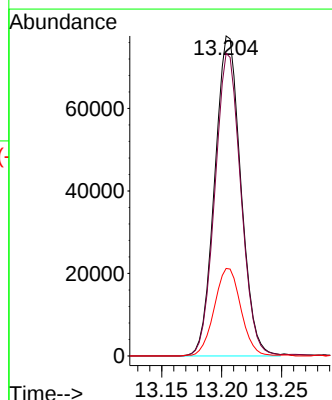
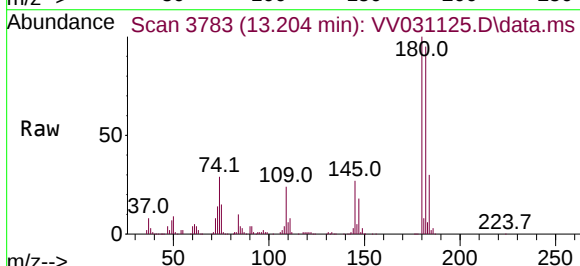
Tgt Ion:180 Resp: 117347

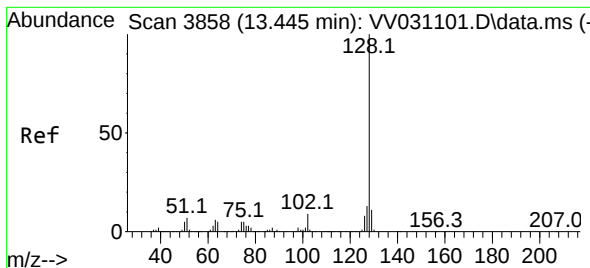
Ion Ratio Lower Upper

180 100

182 94.0 75.4 113.2

145 27.9 23.1 34.7





#71

Naphthalene

Concen: 41.137 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

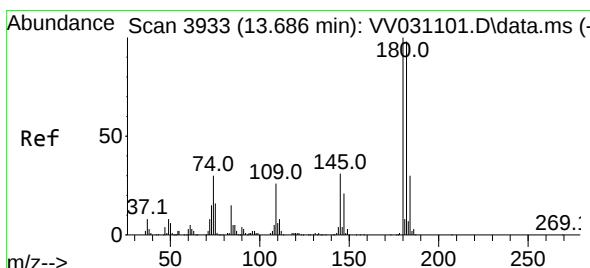
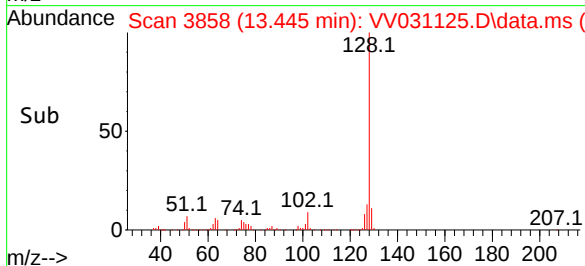
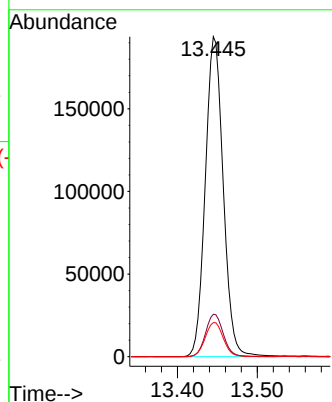
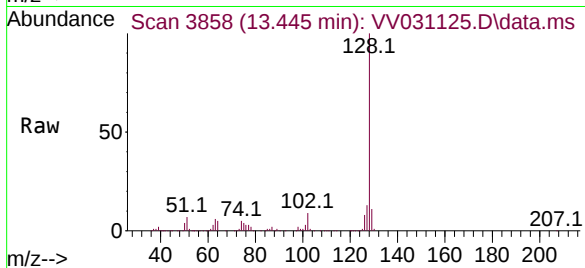
Tgt Ion:128 Resp: 302604

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 42.826 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Tgt Ion:180 Resp: 121195

Ion Ratio Lower Upper

180 100

182 97.2 75.4 113.0

145 31.3 24.2 36.4

