

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052223\
 Data File : VW031174.D
 Acq On : 22 May 2023 18:31
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Quant Time: May 23 04:54:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	273343	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	259499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	156993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	71823	30.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.500%
7) Chloroethane-d5	1.535	69	68037	37.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.620%
11) 1,1-Dichloroethene-d2	2.063	65	37869	34.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.140%
21) 2-Butanone-d5	3.802	46	119381	95.907	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.910%
24) Chloroform-d	4.259	84	172031	41.627	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.260%
26) 1,2-Dichloroethane-d4	4.950	65	121605	43.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.100%
32) Benzene-d6	4.969	84	293164	41.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.340%
36) 1,2-Dichloropropane-d6	5.995	67	88851	42.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.420%
41) Toluene-d8	7.249	98	274988	41.882	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.760%
43) trans-1,3-Dichloroprop...	7.558	79	47690	45.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.320%
47) 2-Hexanone-d5	8.030	63	77054	93.890	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.890%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145347	46.039	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.080%
66) 1,2-Dichlorobenzene-d4	11.567	152	122850	43.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	83351	47.233	ug/L	99
3) Chloromethane	1.217	50	87414	45.247	ug/L	97
5) Vinyl chloride	1.288	62	81780	47.392	ug/L	99
6) Bromomethane	1.490	94	40426	41.802	ug/L	93
8) Chloroethane	1.555	64	55844	50.222	ug/L	100
9) Trichlorofluoromethane	1.719	101	163650	48.217	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	84865	47.415	ug/L	96
12) 1,1-Dichloroethene	2.076	96	71343	46.987	ug/L	90
13) Acetone	2.127	43	108497	67.046	ug/L	99
14) Carbon disulfide	2.249	76	130373	47.118	ug/L	98
15) Methyl Acetate	2.381	43	94248	51.244	ug/L	100
16) Methylene chloride	2.455	84	89959	53.219	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	68660	48.909	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	287055	52.932	ug/L	99
19) 1,1-Dichloroethane	3.117	63	157071	49.095	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	85128	49.190	ug/L	97
22) 2-Butanone	3.883	43	132679	85.498	ug/L	99
23) Bromochloromethane	4.156	128	47355	49.795	ug/L	97
25) Chloroform	4.284	83	178578	49.967	ug/L	98

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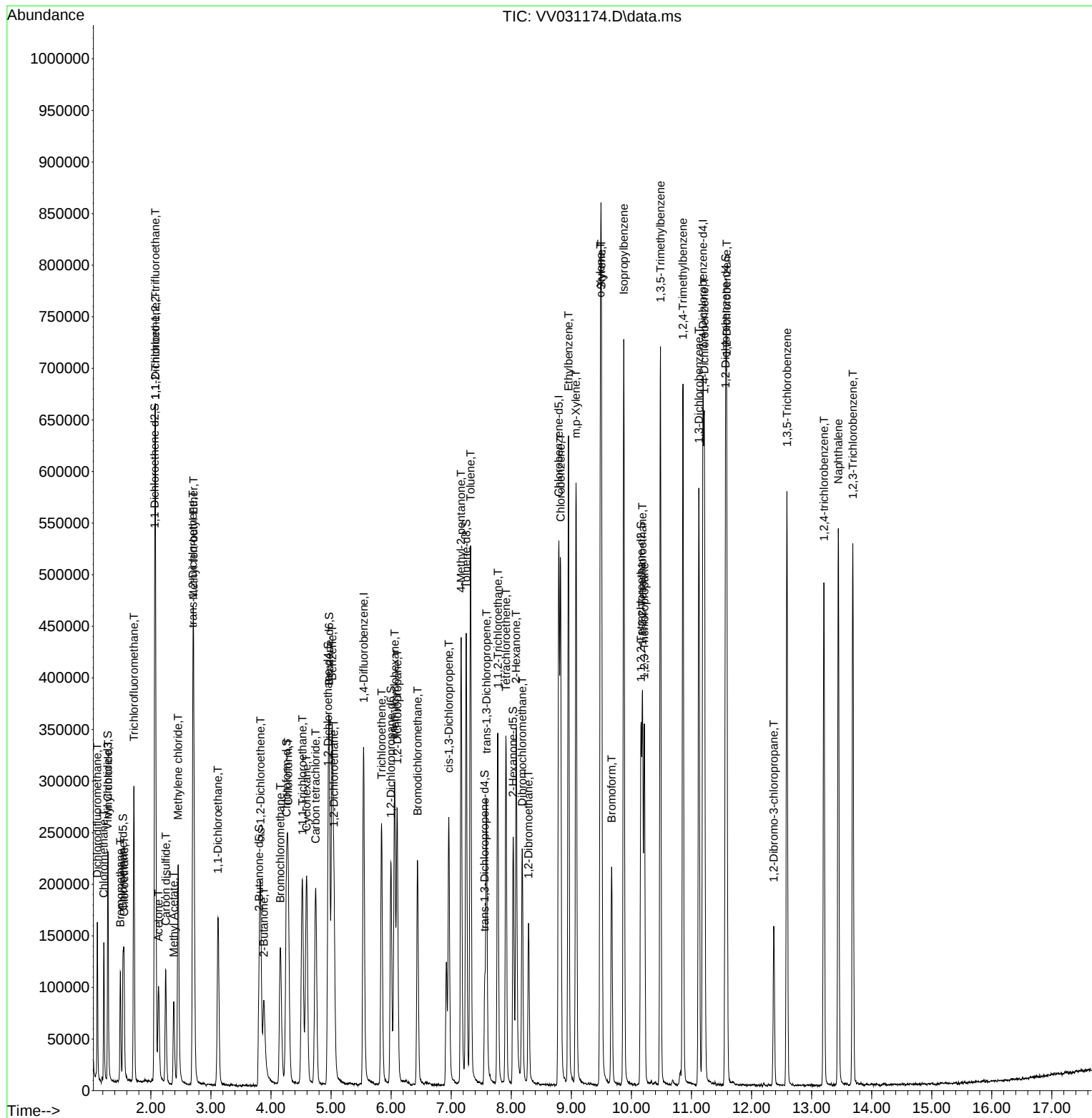
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	157042	51.789	ug/L	99
29) Cyclohexane	4.593	56	100458	49.196	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	162607	51.065	ug/L	99
31) Carbon tetrachloride	4.744	117	141317	50.941	ug/L	99
33) Benzene	5.018	78	326286	52.484	ug/L	100
34) Trichloroethene	5.841	95	82566	49.566	ug/L	98
35) Methylcyclohexane	6.059	83	110912	50.177	ug/L	99
37) 1,2-Dichloropropane	6.101	63	87277	51.006	ug/L	100
38) Bromodichloromethane	6.439	83	135102	50.934	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	134418	50.944	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	279744	106.243	ug/L	99
42) Toluene	7.323	91	359957	53.516	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	144628	54.183	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	95548	51.172	ug/L	98
46) Tetrachloroethene	7.911	164	71901	50.267	ug/L	96
48) 2-Hexanone	8.082	43	222321	101.374	ug/L	97
49) Dibromochloromethane	8.185	129	107540	51.047	ug/L	95
50) 1,2-Dibromoethane	8.287	107	93351	50.286	ug/L	100
51) Chlorobenzene	8.821	112	245170	51.212	ug/L	99
52) Ethylbenzene	8.953	91	405285	52.628	ug/L	97
53) m,p-Xylene	9.078	106	156515	52.394	ug/L	99
54) o-Xylene	9.484	106	155225	52.673	ug/L	99
55) Styrene	9.503	104	281206	53.954	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	155031	50.533	ug/L	99
59) Bromoform	9.670	173	90476	49.702	ug/L	99
60) Isopropylbenzene	9.873	105	428497	51.034	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	124727	51.643	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	350093	50.727	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	347479	51.493	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	220661	51.291	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	228213	50.990	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	219981	50.393	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35615	48.039	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	167883	50.480	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	145624	51.452	ug/L	99
71) Naphthalene	13.445	128	408713	55.594	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151660	53.623	ug/L	99

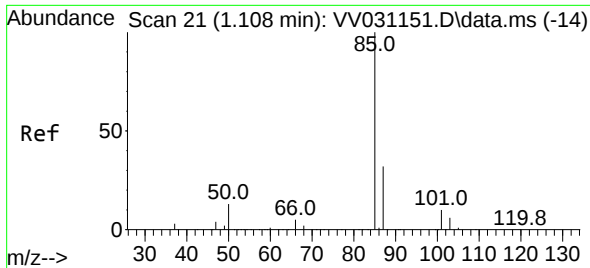
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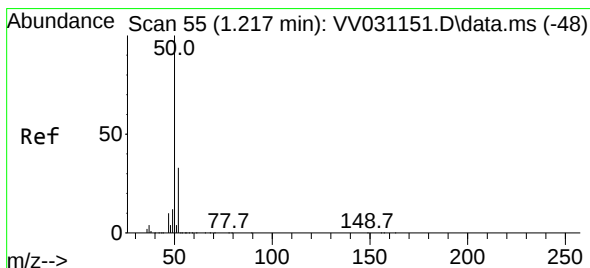
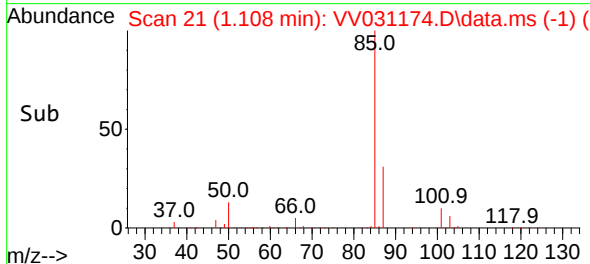
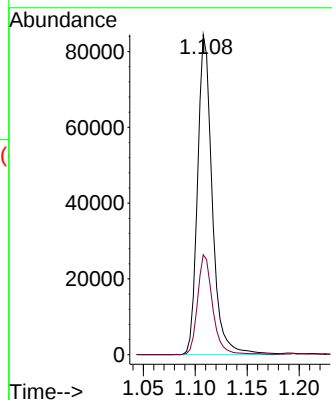
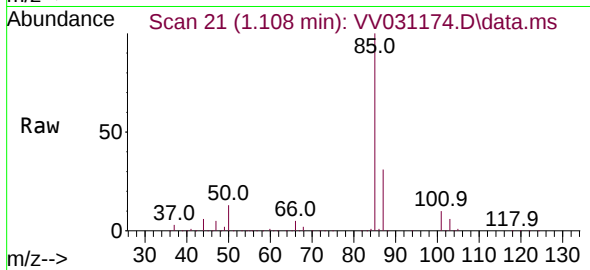




#2
 Dichlorodifluoromethane
 Concen: 47.233 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

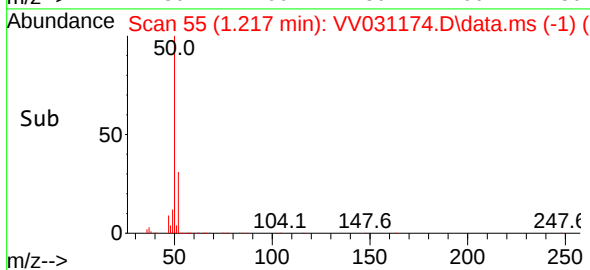
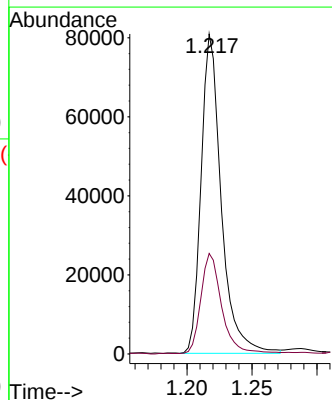
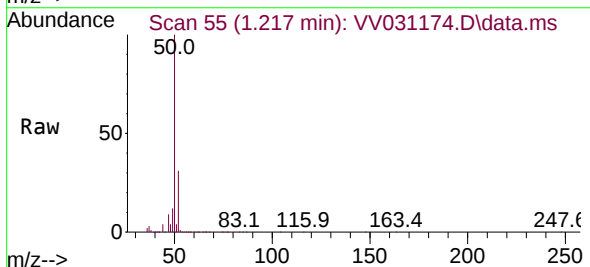
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

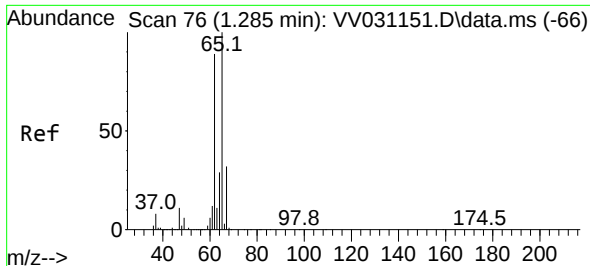
Tgt Ion: 85 Resp: 83351
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.2 37.8



#3
 Chloromethane
 Concen: 45.247 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

Tgt Ion: 50 Resp: 87414
 Ion Ratio Lower Upper
 50 100
 52 31.4 23.3 43.3

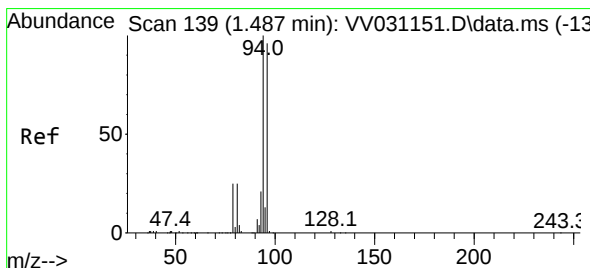
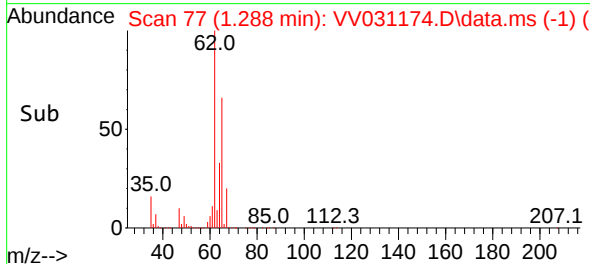
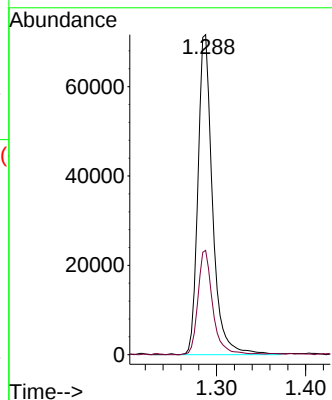
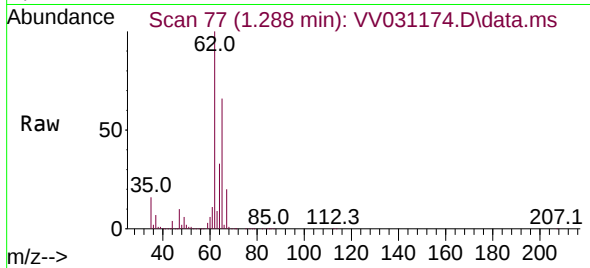




#5
 Vinyl chloride
 Concen: 47.392 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

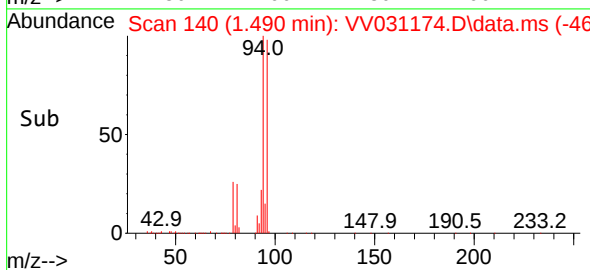
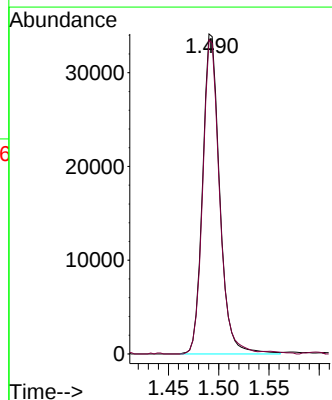
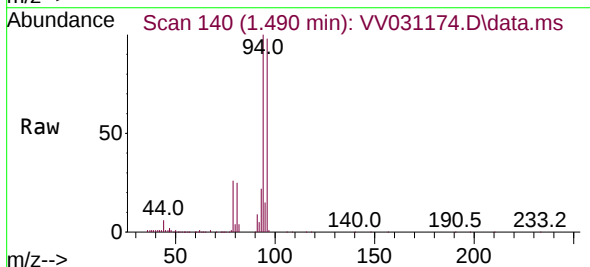
Instrument :
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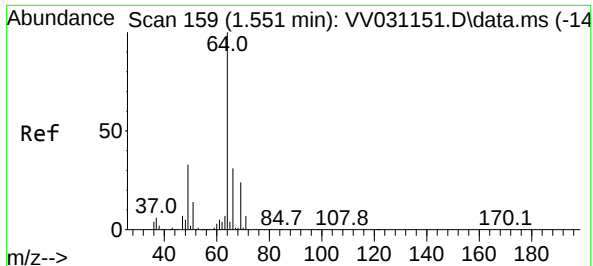
Tgt Ion: 62 Resp: 81780
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 41.802 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

Tgt Ion: 94 Resp: 40426
 Ion Ratio Lower Upper
 94 100
 96 98.1 63.9 118.7

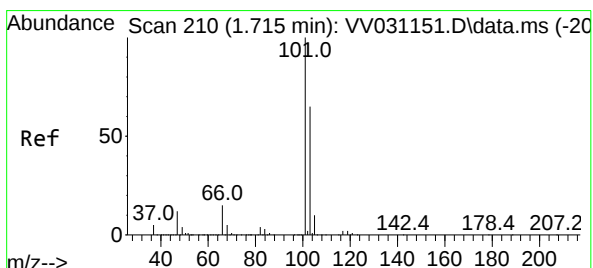
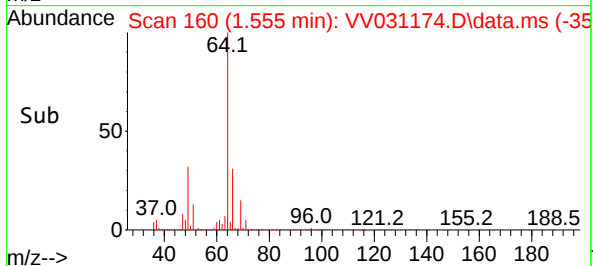
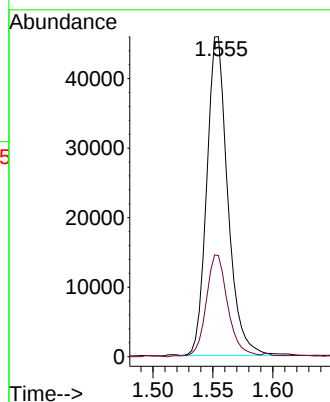
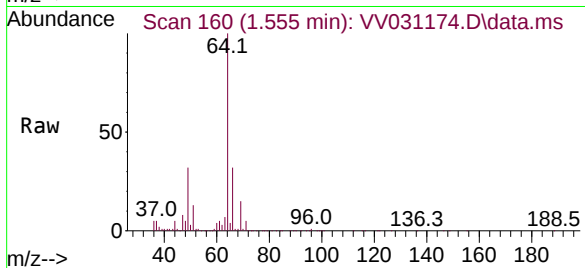




#8
Chloroethane
Concen: 50.222 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

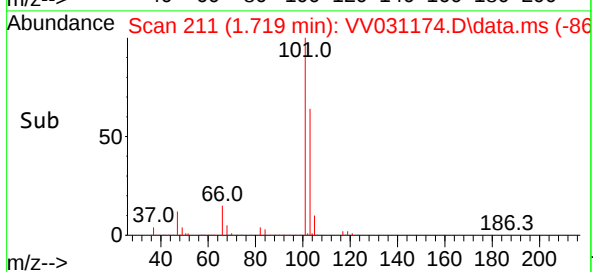
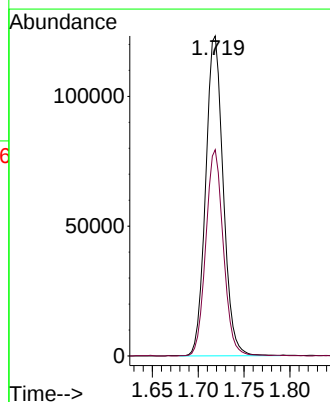
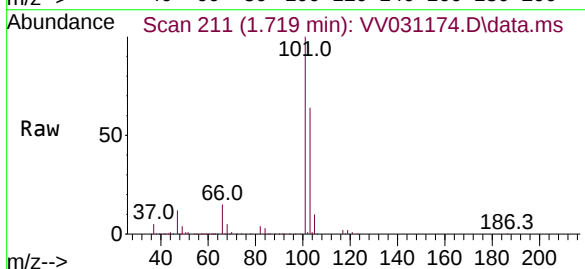
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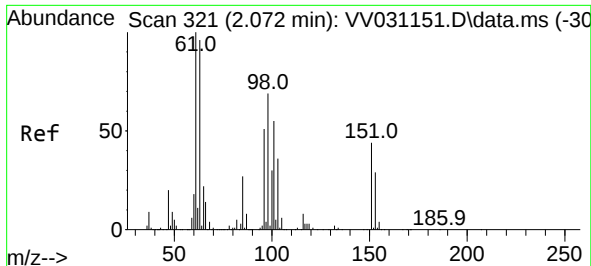
Tgt Ion: 64 Resp: 55844
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.217 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:101 Resp: 163650
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

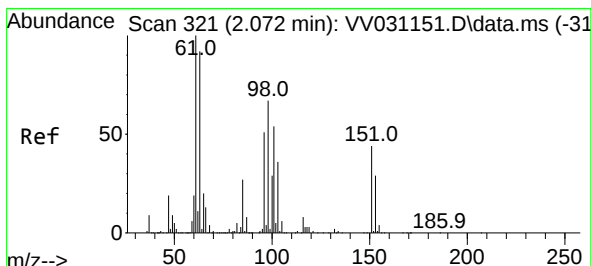
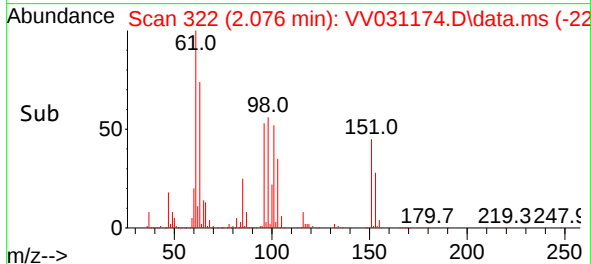
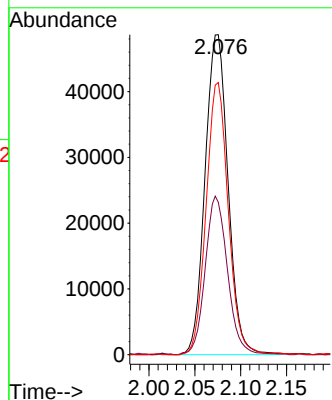
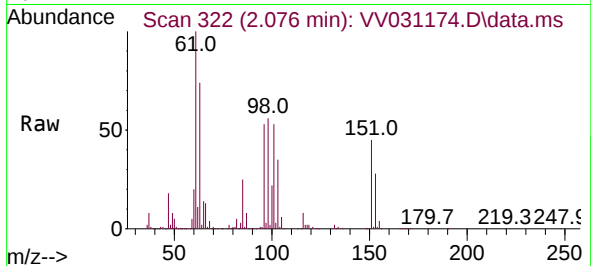




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.415 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

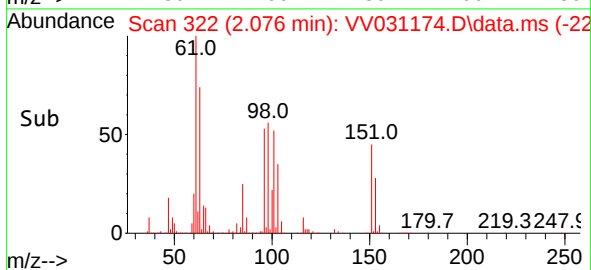
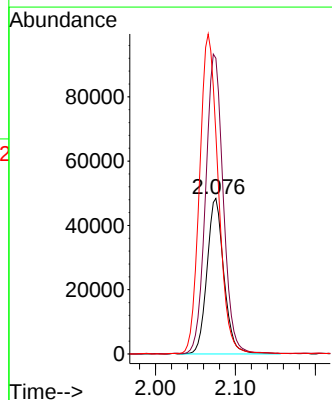
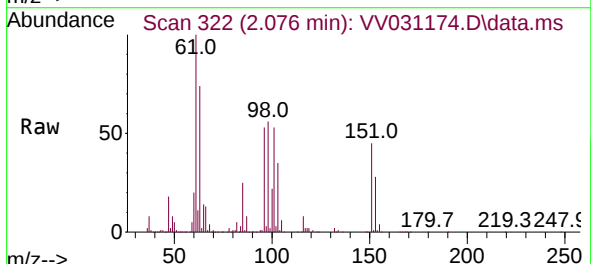
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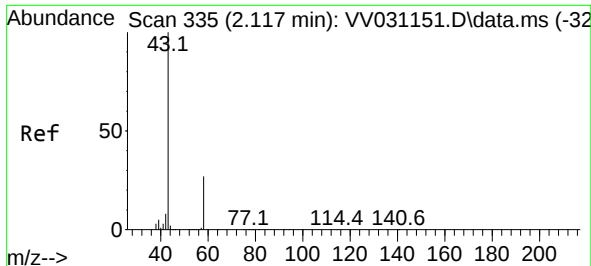
Tgt Ion:101 Resp: 84865
 Ion Ratio Lower Upper
 101 100
 85 48.1 38.0 57.0
 151 81.7 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 46.987 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV031174.D
 Acq: 22 May 2023 18:31

Tgt Ion: 96 Resp: 71343
 Ion Ratio Lower Upper
 96 100
 61 190.2 137.9 256.1
 63 141.5 114.2 212.0





#13

Acetone

Concen: 67.046 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

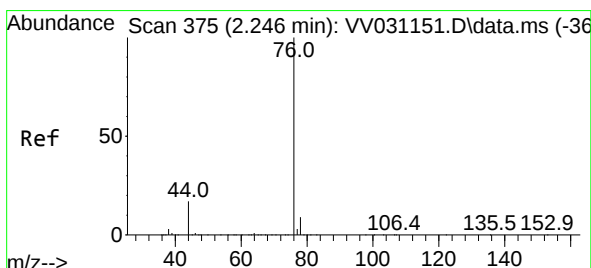
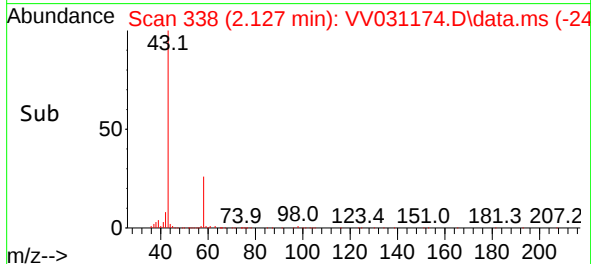
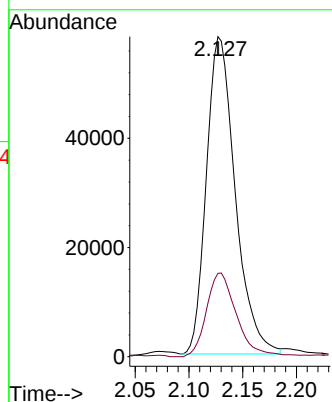
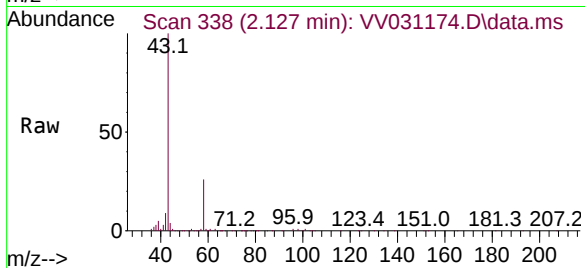
VSTD050350

Tgt Ion: 43 Resp: 108497

Ion Ratio Lower Upper

43 100

58 27.4 0.0 54.0



#14

Carbon disulfide

Concen: 47.118 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

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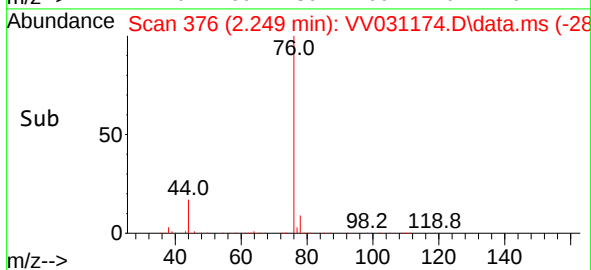
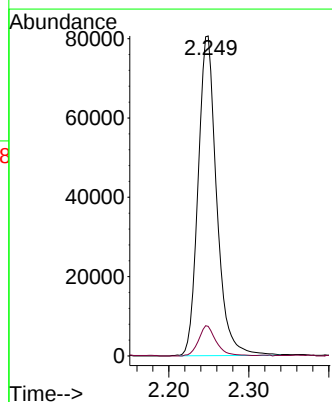
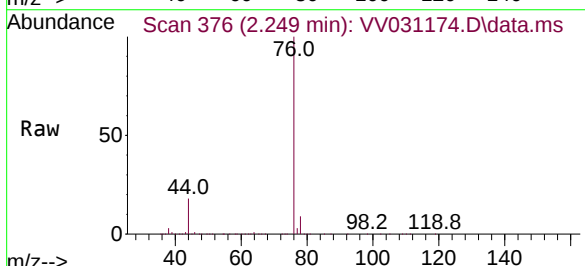
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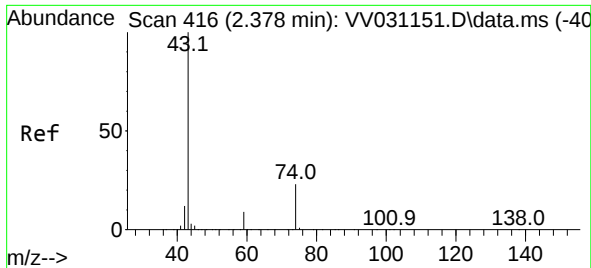
Tgt Ion: 76 Resp: 130373

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

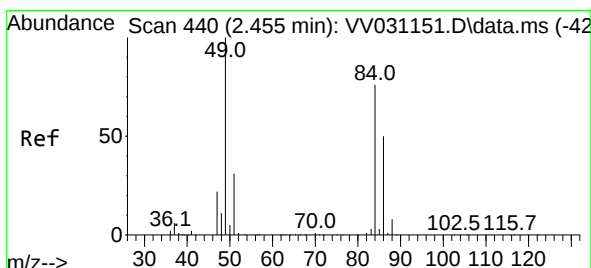
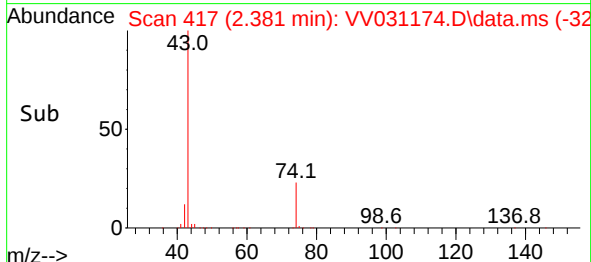
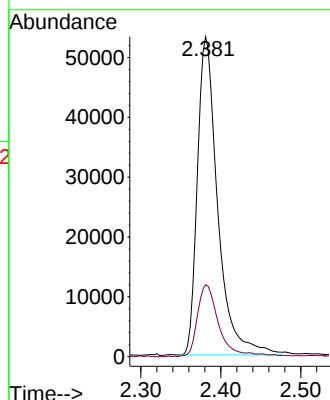
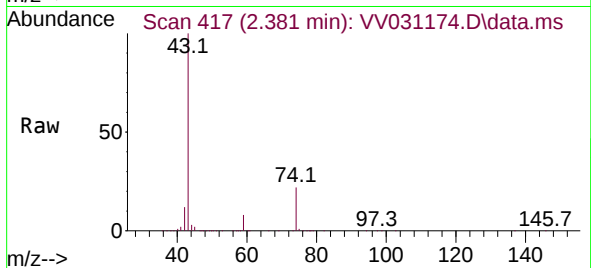




#15
Methyl Acetate
Concen: 51.244 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

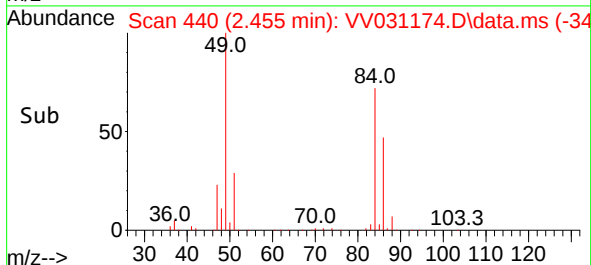
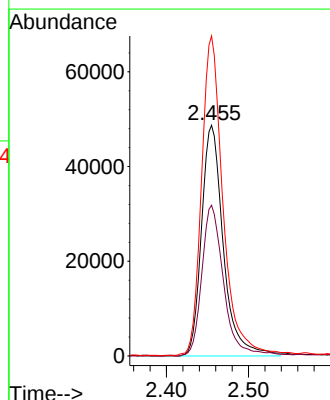
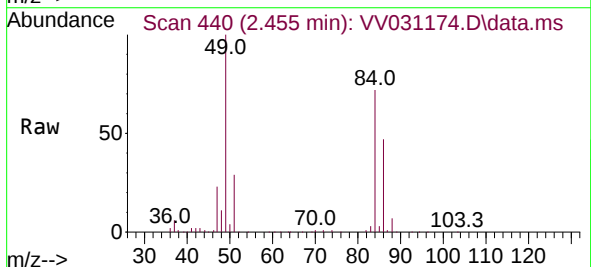
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

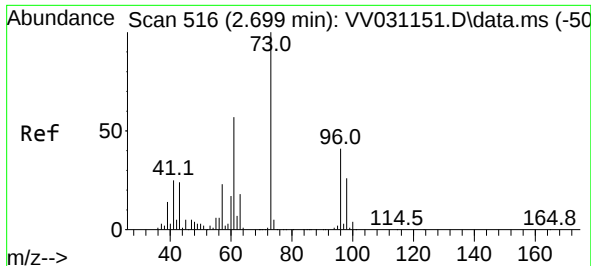
Tgt Ion: 43 Resp: 94248
Ion Ratio Lower Upper
43 100
74 22.7 18.1 27.1



#16
Methylene chloride
Concen: 53.219 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion: 84 Resp: 89959
Ion Ratio Lower Upper
84 100
86 65.3 43.3 80.3
49 138.7 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 48.909 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

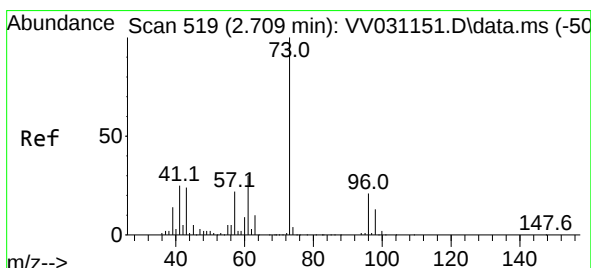
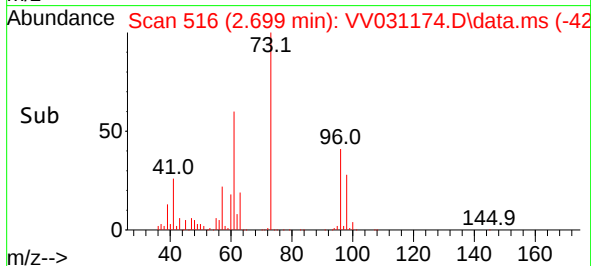
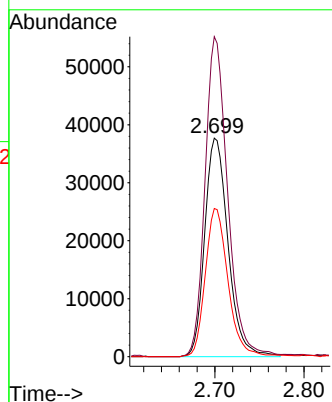
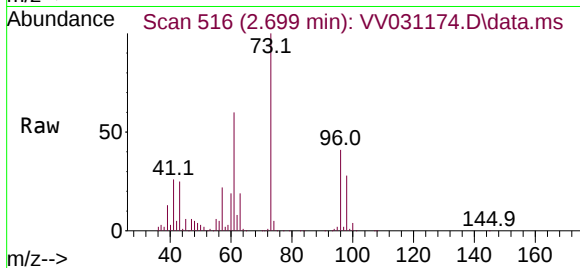
Tgt Ion: 96 Resp: 68660

Ion Ratio Lower Upper

96 100

61 146.4 100.0 185.6

98 67.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 52.932 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

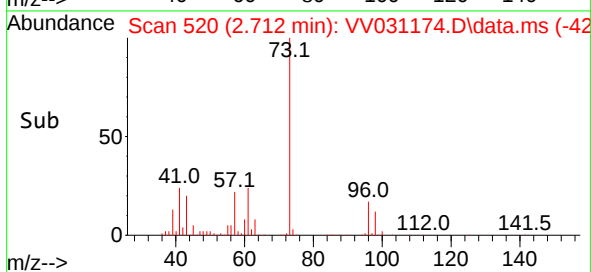
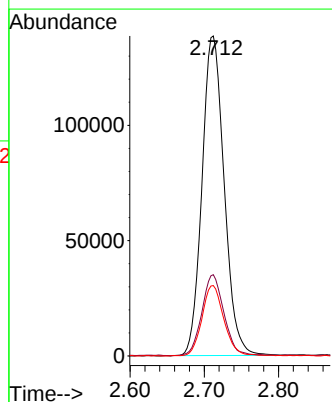
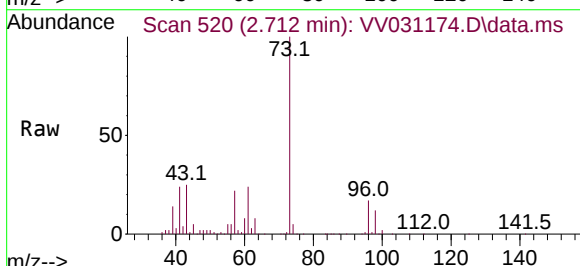
Tgt Ion: 73 Resp: 287055

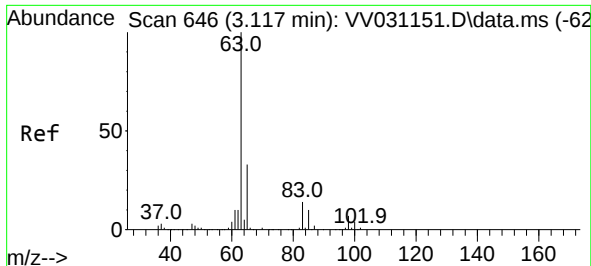
Ion Ratio Lower Upper

73 100

43 25.0 19.4 29.2

57 21.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.095 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

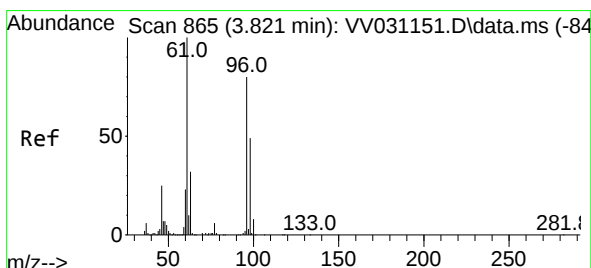
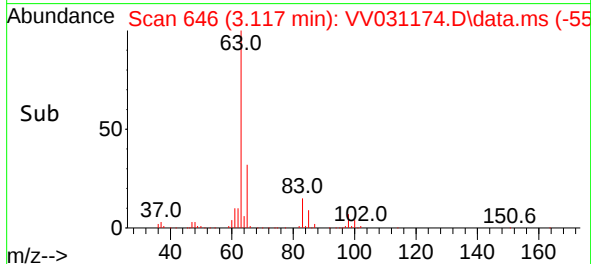
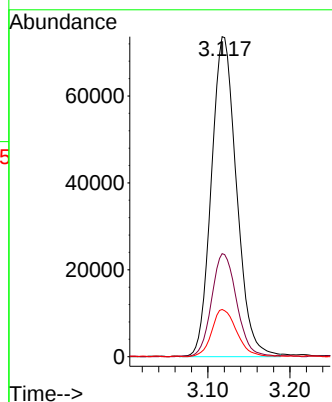
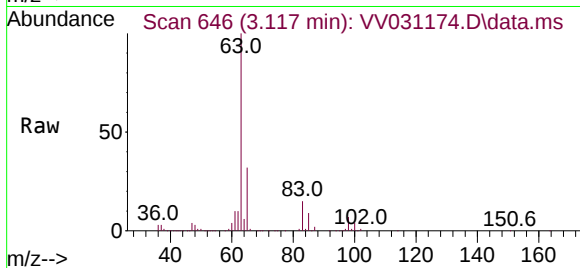
Tgt Ion: 63 Resp: 157071

Ion Ratio Lower Upper

63 100

65 32.2 21.9 40.7

83 14.8 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 49.190 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

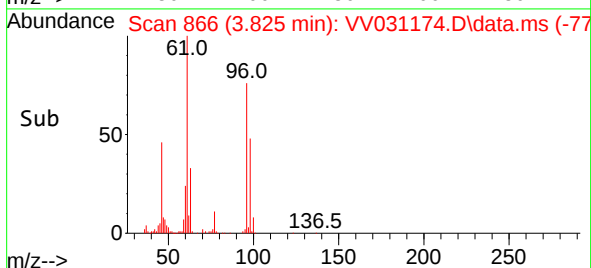
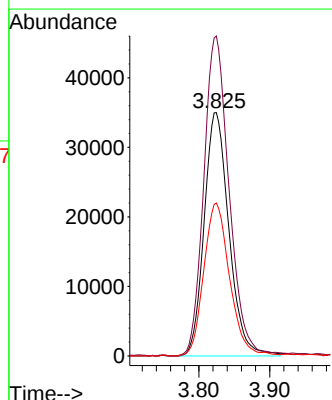
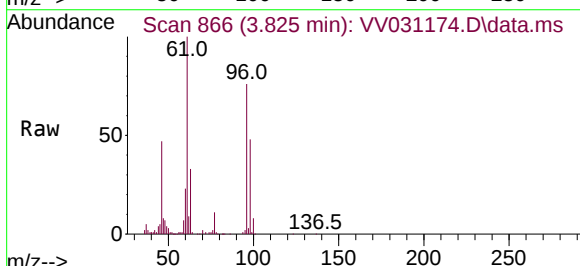
Tgt Ion: 96 Resp: 85128

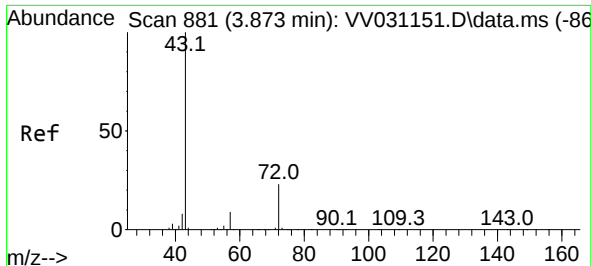
Ion Ratio Lower Upper

96 100

61 131.5 89.2 165.6

98 62.8 43.0 80.0

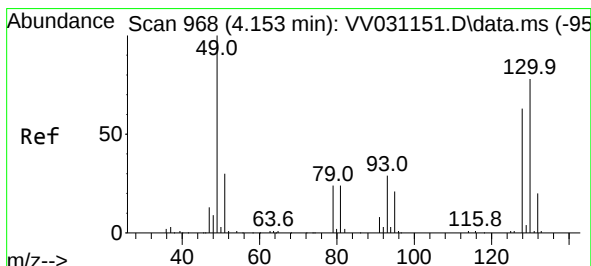
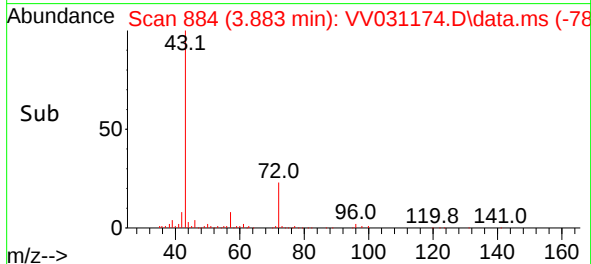
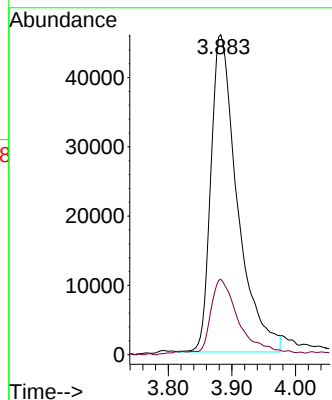
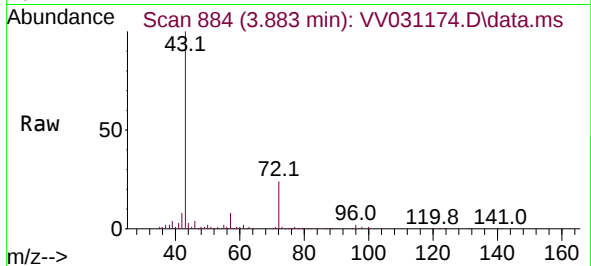




#22
2-Butanone
Concen: 85.498 ug/L
RT: 3.883 min Scan# 881
Delta R.T. 0.010 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

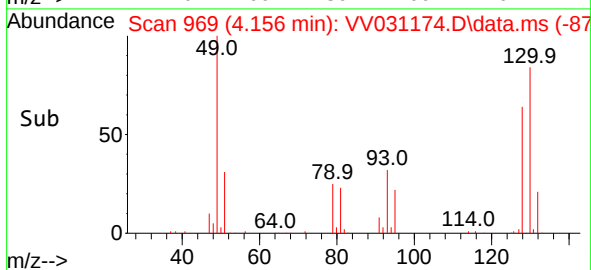
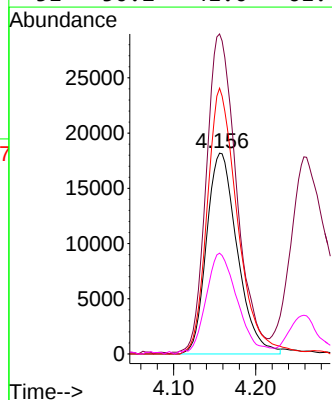
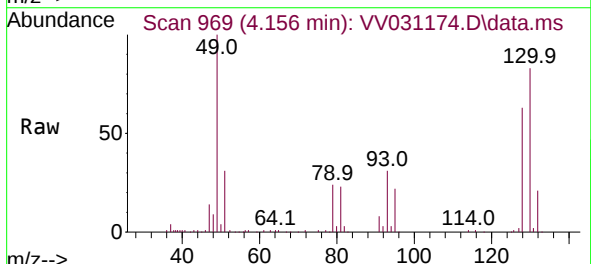
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

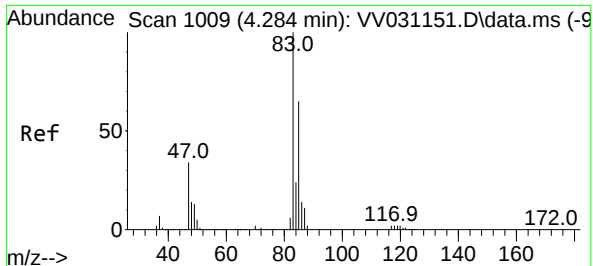
Tgt Ion: 43 Resp: 132679
Ion Ratio Lower Upper
43 100
72 23.4 11.9 35.7



#23
Bromochloromethane
Concen: 49.795 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion: 128 Resp: 47355
Ion Ratio Lower Upper
128 100
49 159.3 113.2 210.2
130 132.3 87.5 162.5
51 50.2 41.0 61.4





#25

Chloroform

Concen: 49.967 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

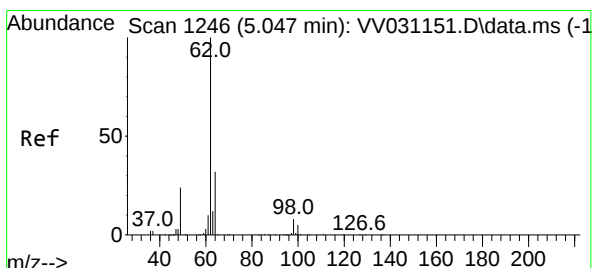
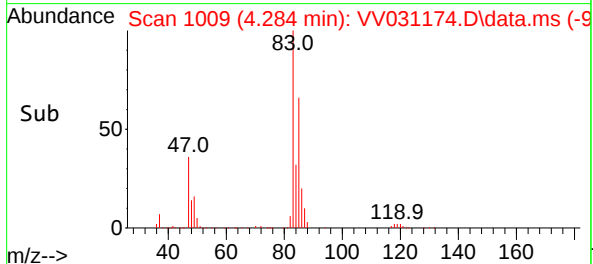
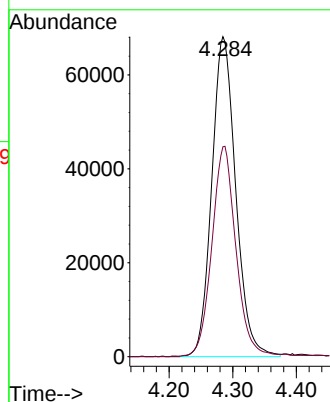
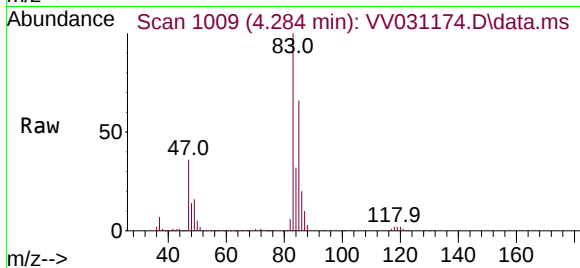
VSTD050350

Tgt Ion: 83 Resp: 178578

Ion Ratio Lower Upper

83 100

85 65.6 47.3 87.9



#27

1,2-Dichloroethane

Concen: 51.789 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031174.D

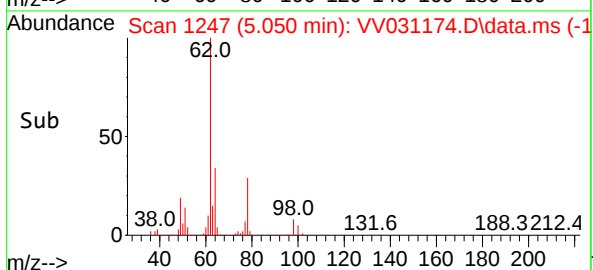
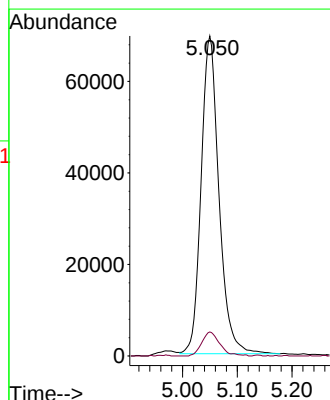
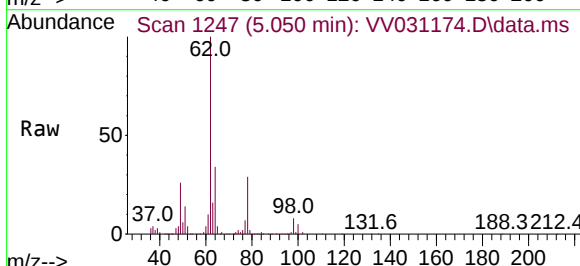
Acq: 22 May 2023 18:31

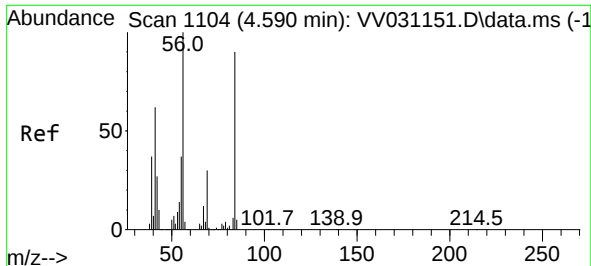
Tgt Ion: 62 Resp: 157042

Ion Ratio Lower Upper

62 100

98 7.5 6.3 9.5





#29

Cyclohexane

Concen: 49.196 ug/L

RT: 4.593 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

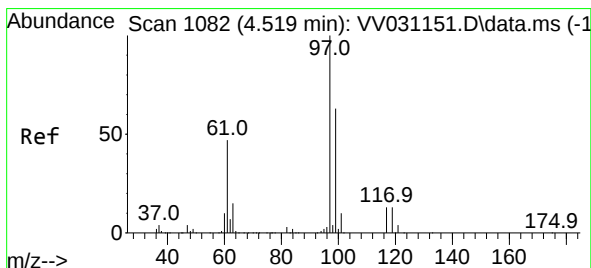
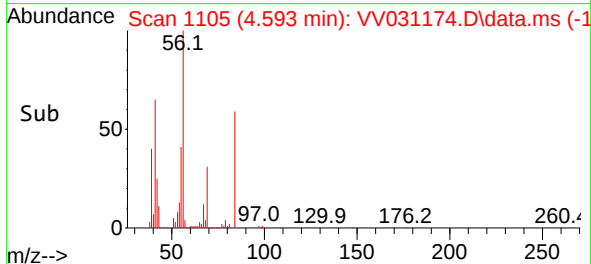
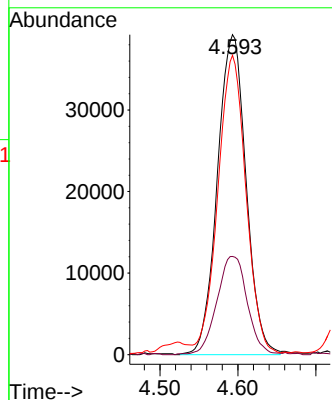
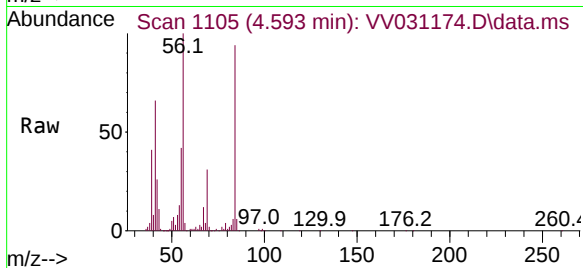
Tgt Ion: 56 Resp: 100458

Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

84 91.2 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 51.065 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

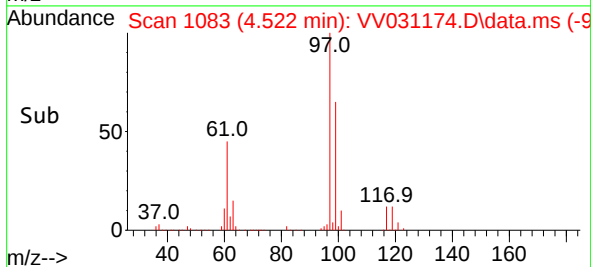
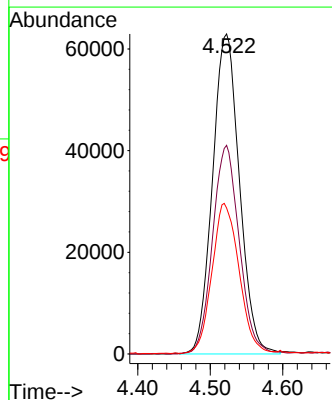
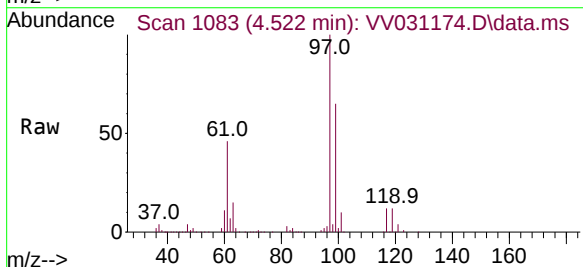
Tgt Ion: 97 Resp: 162607

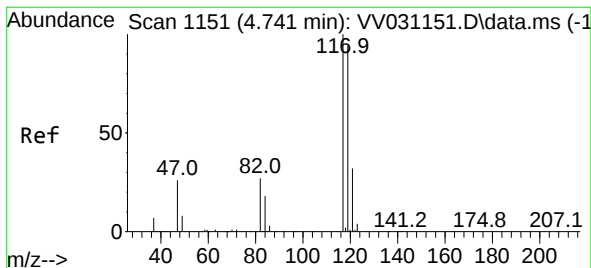
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 47.0 38.2 57.2





#31

Carbon tetrachloride

Concen: 50.941 ug/L

RT: 4.744 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

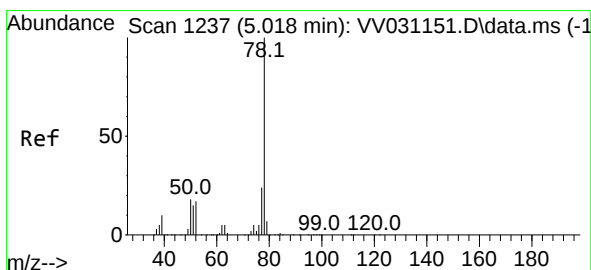
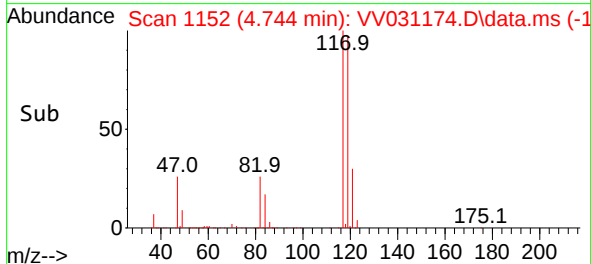
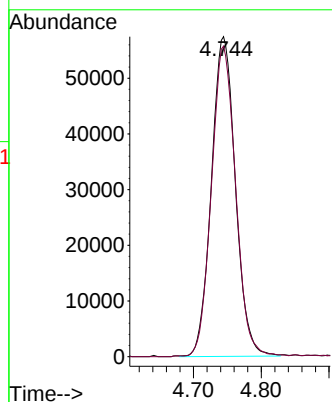
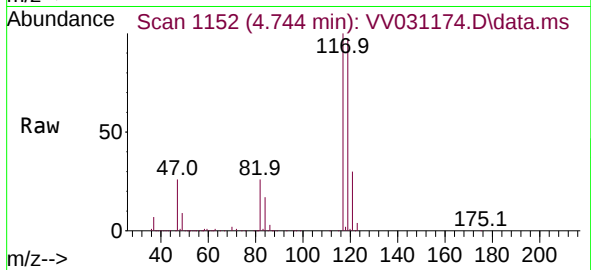
VSTD050350

Tgt Ion:117 Resp: 141317

Ion Ratio Lower Upper

117 100

119 97.1 76.9 115.3



#33

Benzene

Concen: 52.484 ug/L

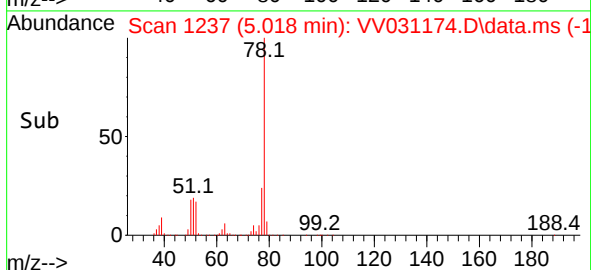
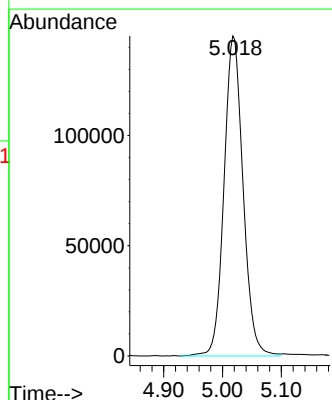
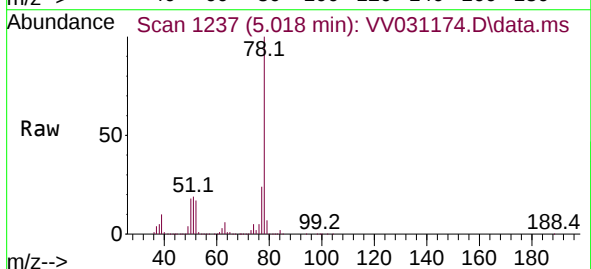
RT: 5.018 min Scan# 1237

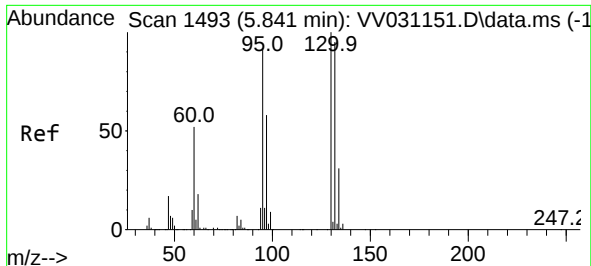
Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Tgt Ion: 78 Resp: 326286

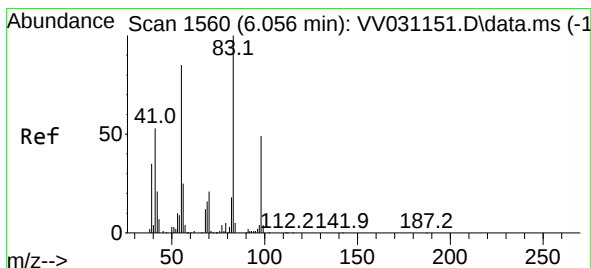
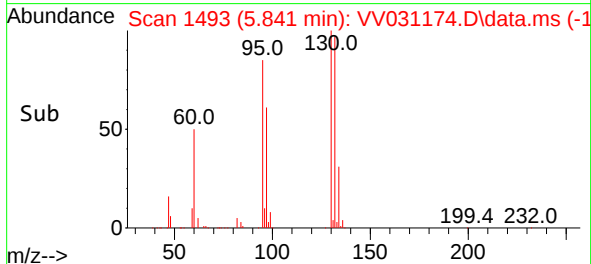
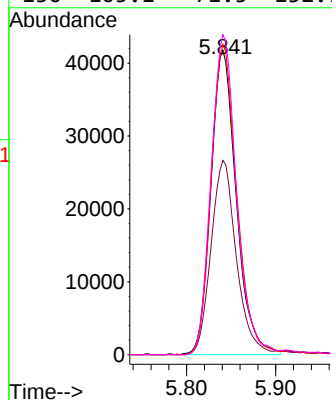
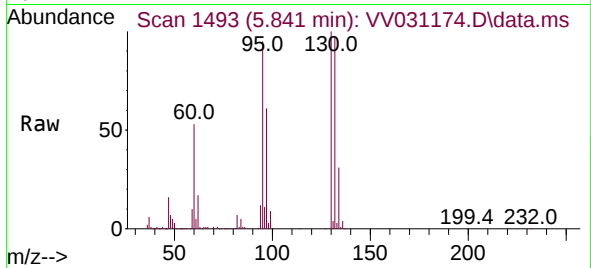




#34
Trichloroethene
Concen: 49.566 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

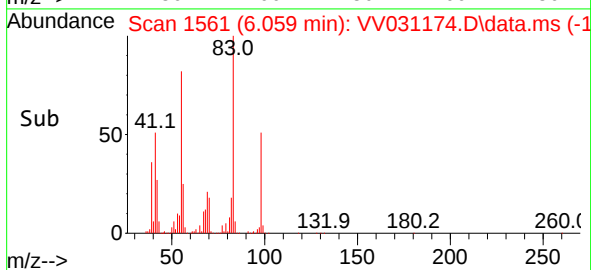
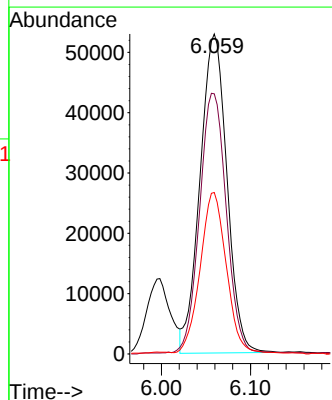
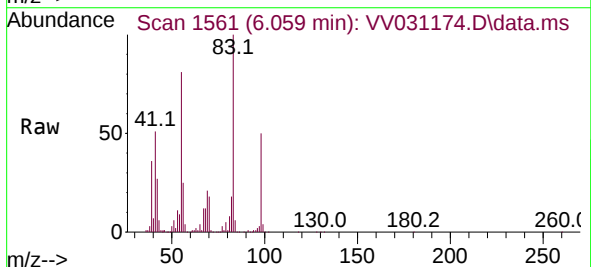
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

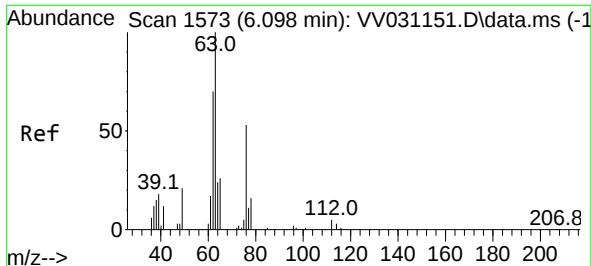
Tgt Ion:	95	Resp:	82566
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.4	82.5
132	101.9	70.2	130.4
130	105.1	71.5	132.7



#35
Methylcyclohexane
Concen: 50.177 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:	83	Resp:	110912
Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.2	96.2
98	49.7	40.0	60.0





#37

1,2-Dichloropropane

Concen: 51.006 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

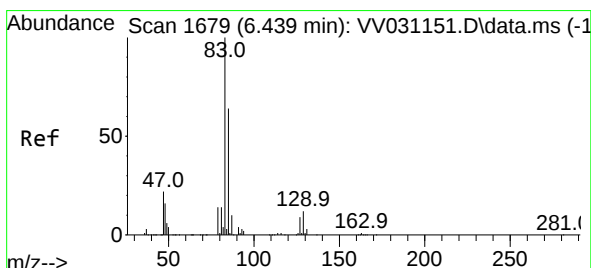
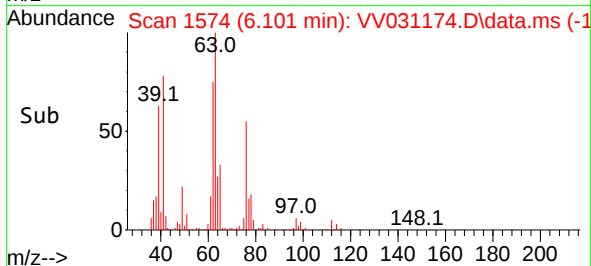
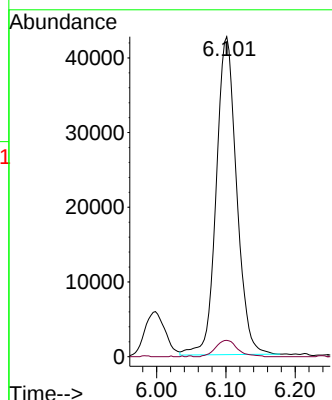
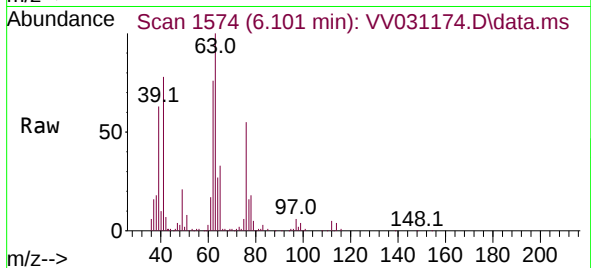
VSTD050350

Tgt Ion: 63 Resp: 87277

Ion Ratio Lower Upper

63 100

112 5.5 4.3 6.5



#38

Bromodichloromethane

Concen: 50.934 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

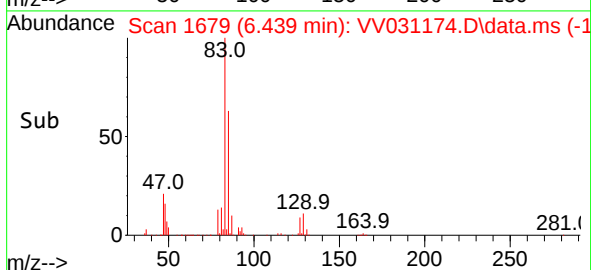
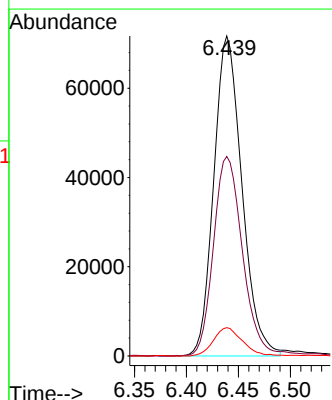
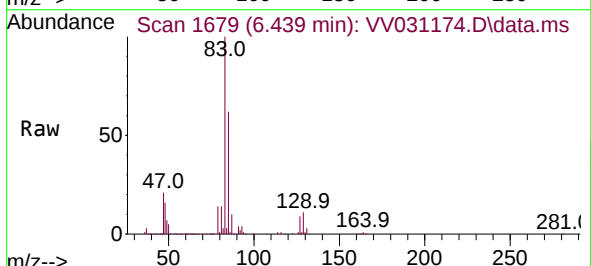
Tgt Ion: 83 Resp: 135102

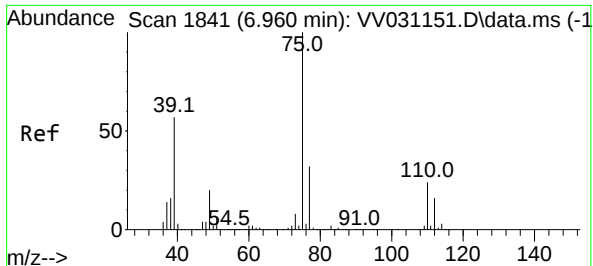
Ion Ratio Lower Upper

83 100

85 62.4 44.0 81.6

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.944 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

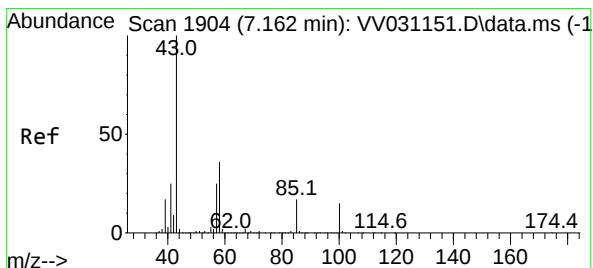
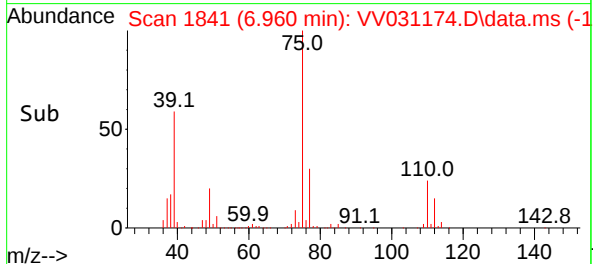
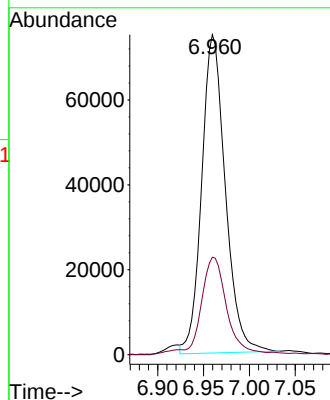
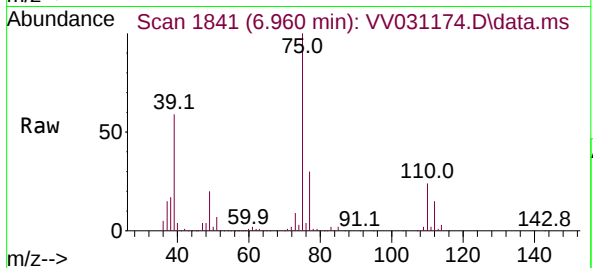
VSTD050350

Tgt Ion: 75 Resp: 134418

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 106.243 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

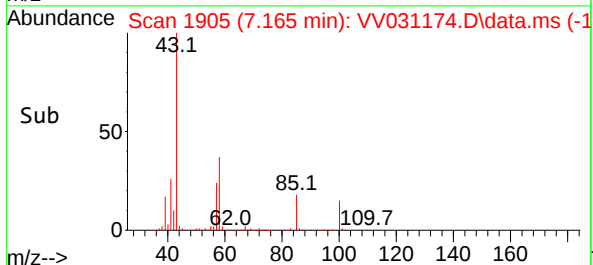
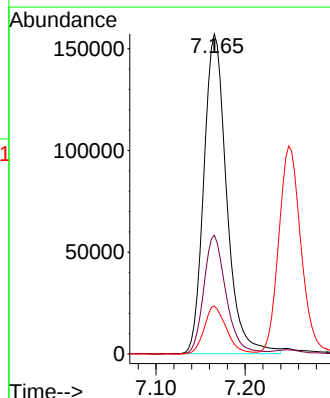
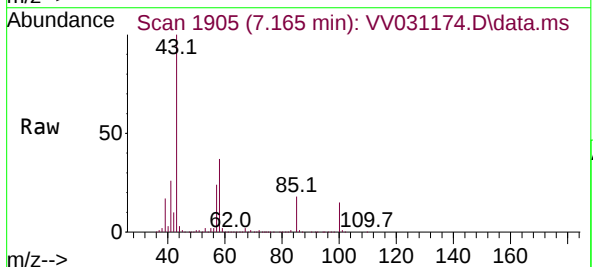
Tgt Ion: 43 Resp: 279744

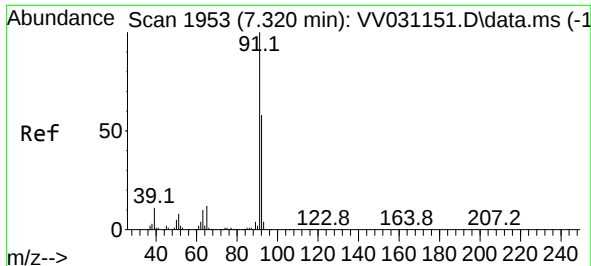
Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.4

100 14.6 12.2 18.4





#42

Toluene

Concen: 53.516 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

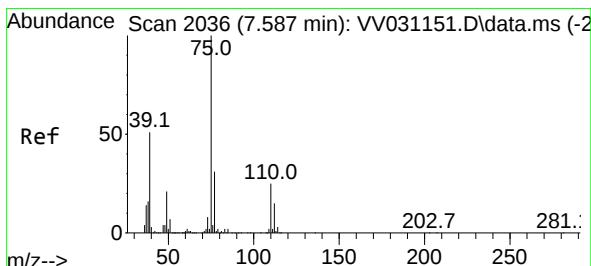
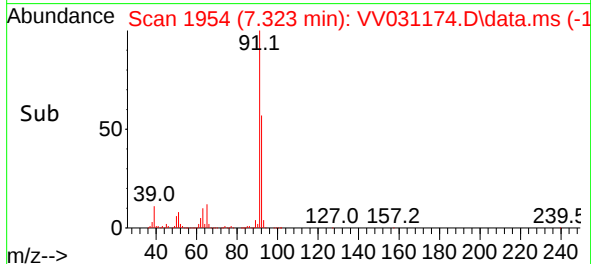
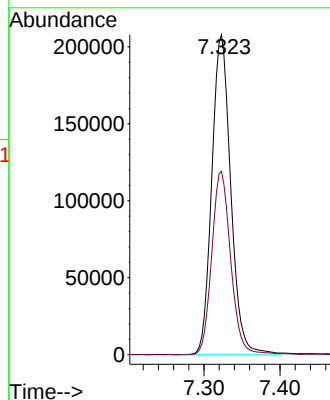
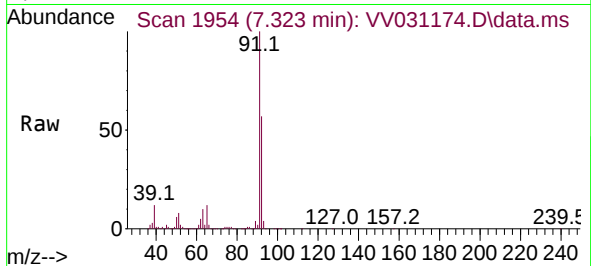
VSTD050350

Tgt Ion: 91 Resp: 359957

Ion Ratio Lower Upper

91 100

92 57.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 54.183 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031174.D

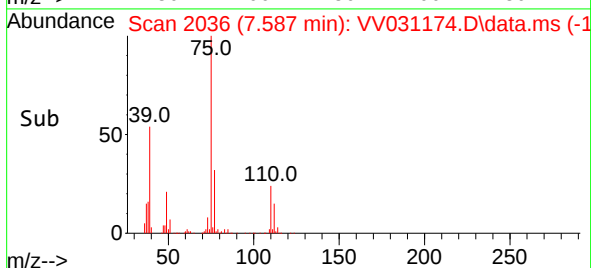
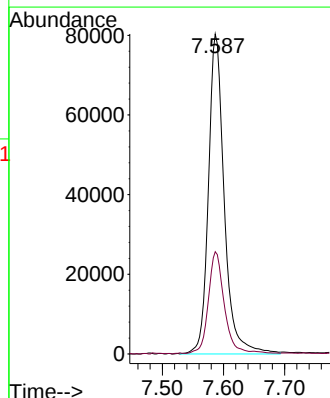
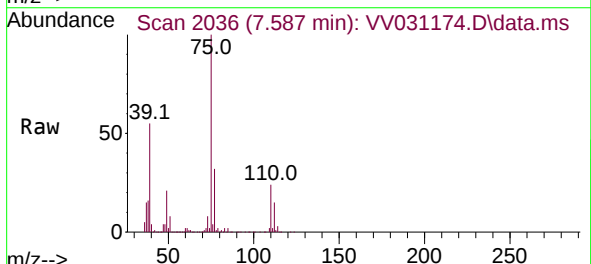
Acq: 22 May 2023 18:31

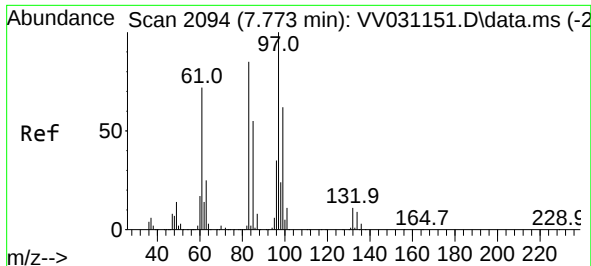
Tgt Ion: 75 Resp: 144628

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

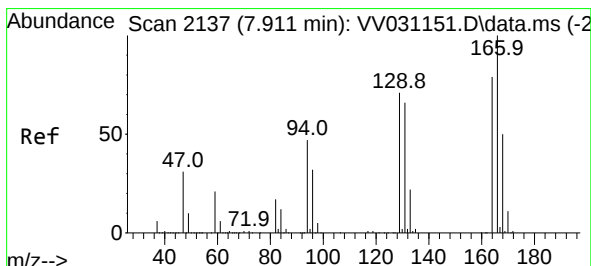
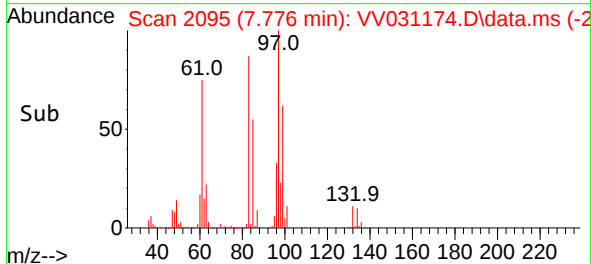
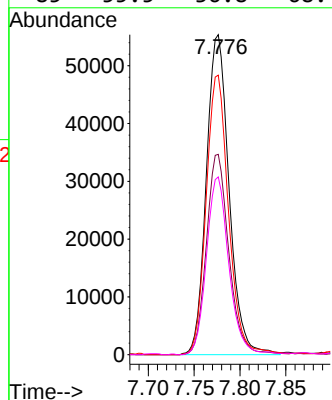
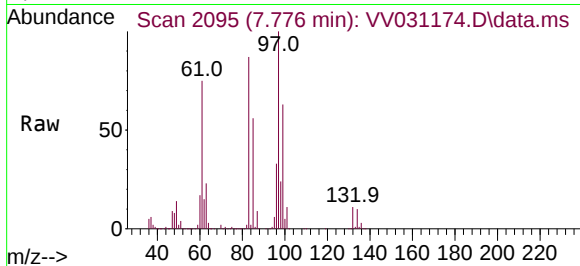




#45
1,1,2-Trichloroethane
Concen: 51.172 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

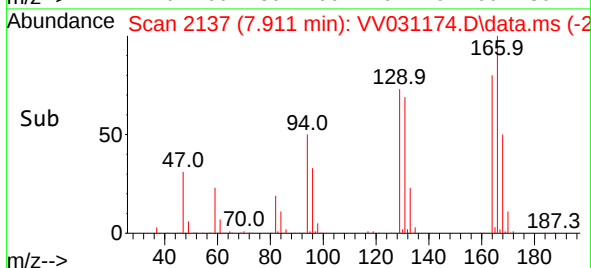
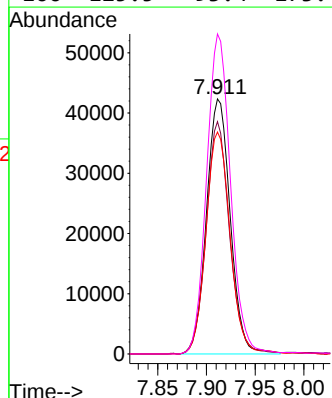
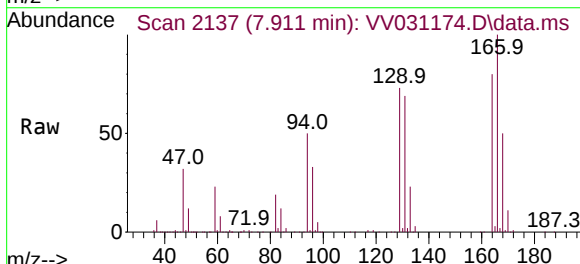
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

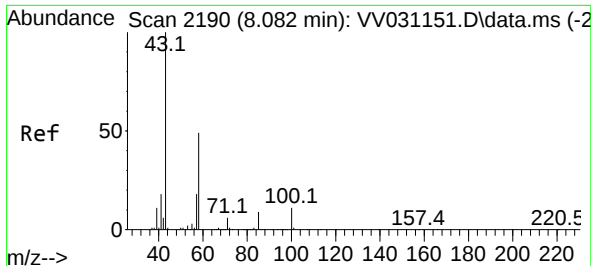
Tgt Ion:	97	Resp:	95548
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.2	80.2
83	87.3	60.5	112.3
85	55.5	36.8	68.4



#46
Tetrachloroethene
Concen: 50.267 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:	164	Resp:	71901
Ion	Ratio	Lower	Upper
164	100		
129	91.1	65.5	121.7
131	87.0	62.1	115.3
166	125.5	93.4	173.4





#48

2-Hexanone

Concen: 101.374 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

Tgt Ion: 43 Resp: 222321

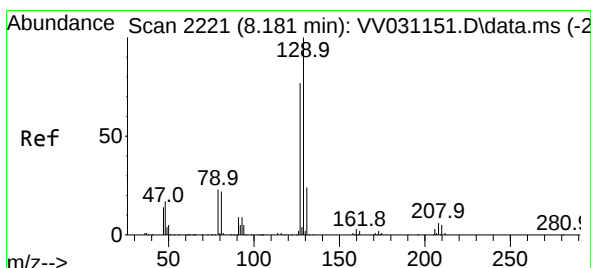
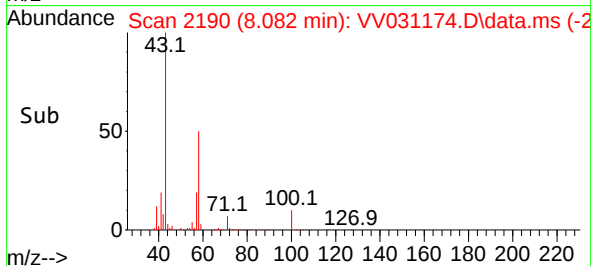
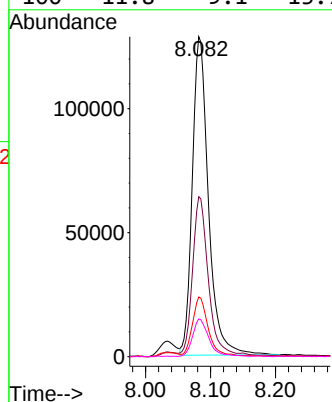
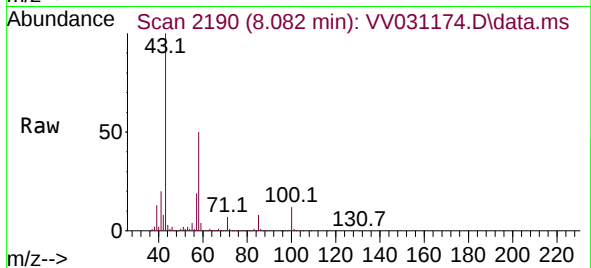
Ion Ratio Lower Upper

43 100

58 46.6 39.8 59.6

57 17.6 14.4 21.6

100 11.8 9.1 13.7



#49

Dibromochloromethane

Concen: 51.047 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031174.D

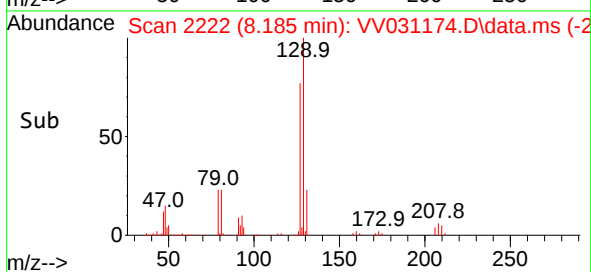
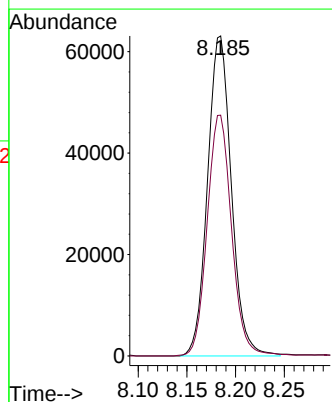
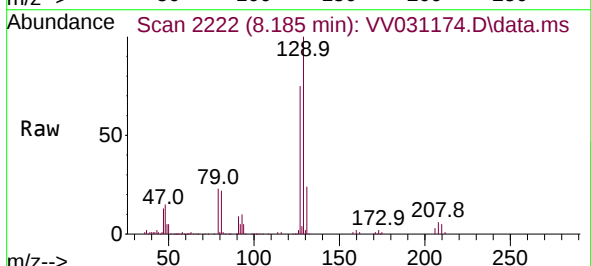
Acq: 22 May 2023 18:31

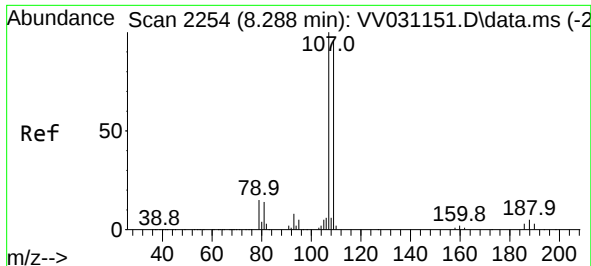
Tgt Ion: 129 Resp: 107540

Ion Ratio Lower Upper

129 100

127 75.3 56.1 104.1





#50

1,2-Dibromoethane

Concen: 50.286 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

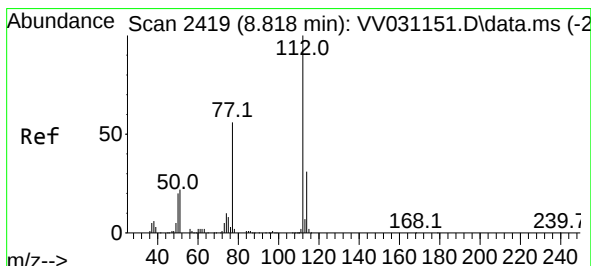
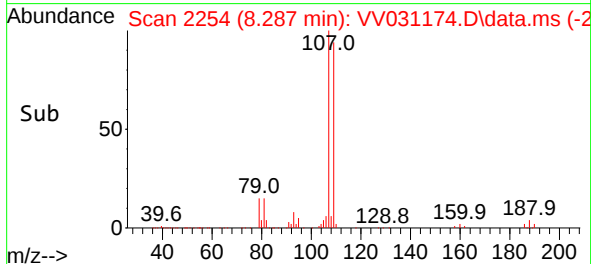
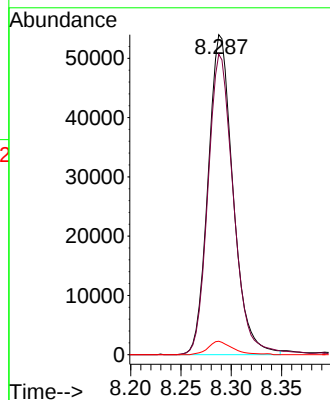
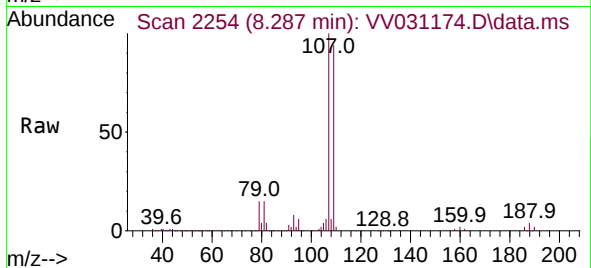
Tgt Ion:107 Resp: 93351

Ion Ratio Lower Upper

107 100

109 93.9 65.6 121.8

188 4.2 3.8 5.6



#51

Chlorobenzene

Concen: 51.212 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

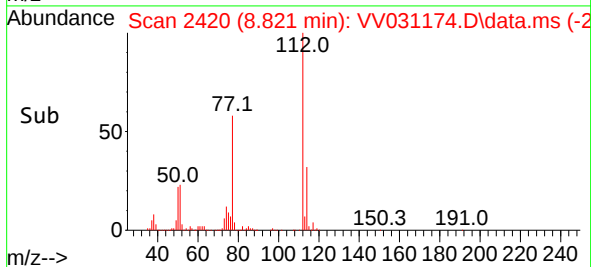
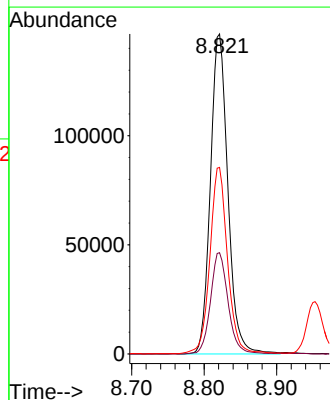
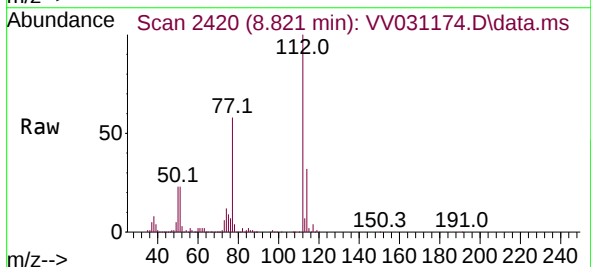
Tgt Ion:112 Resp: 245170

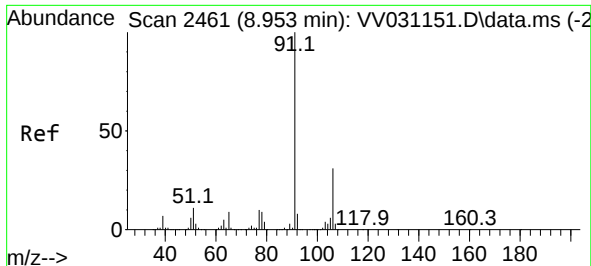
Ion Ratio Lower Upper

112 100

114 31.7 23.0 42.8

77 58.3 46.2 69.4

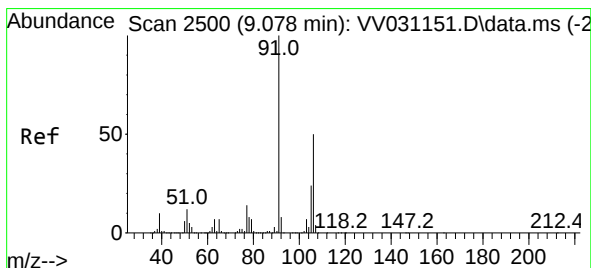
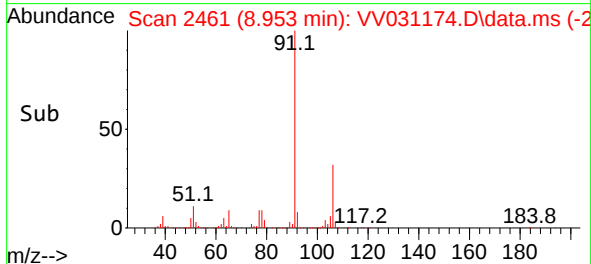
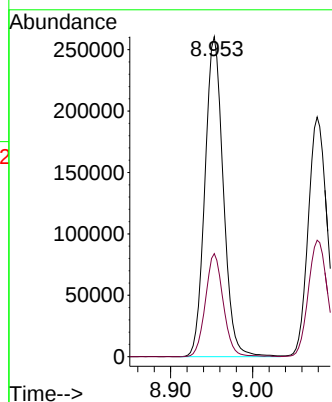
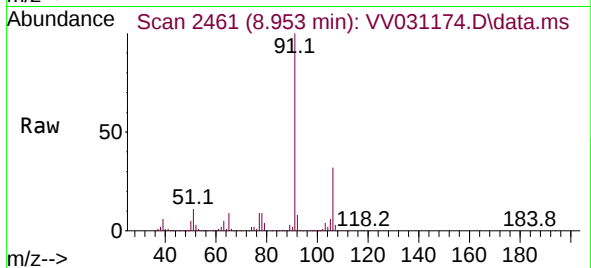




#52
Ethylbenzene
Concen: 52.628 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

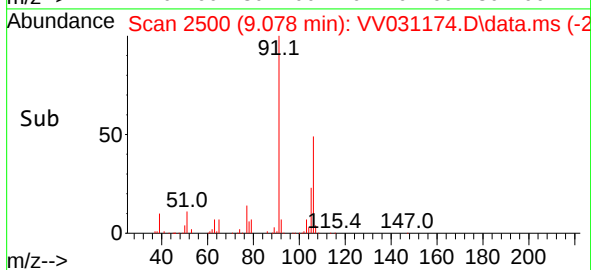
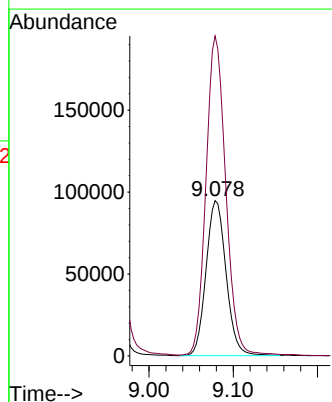
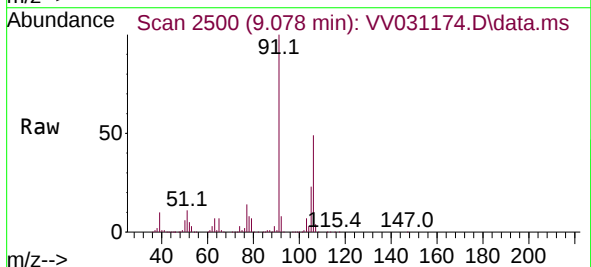
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

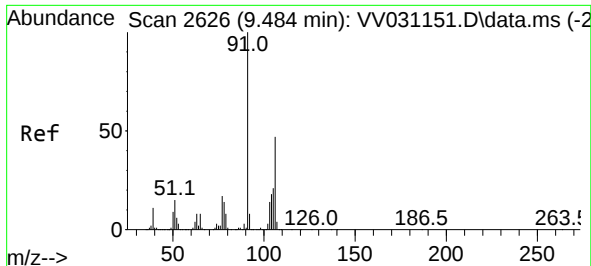
Tgt Ion: 91 Resp: 405285
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9



#53
m,p-Xylene
Concen: 52.394 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:106 Resp: 156515
Ion Ratio Lower Upper
106 100
91 205.9 145.3 269.8

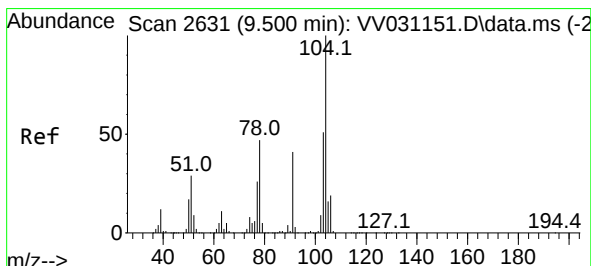
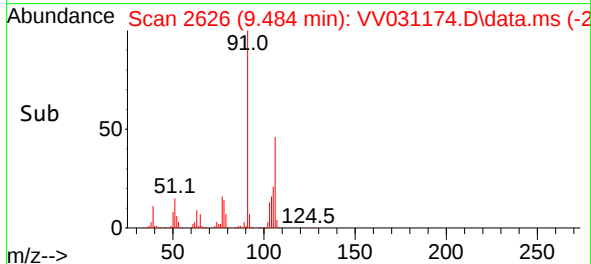
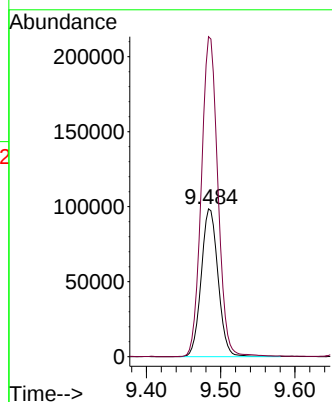
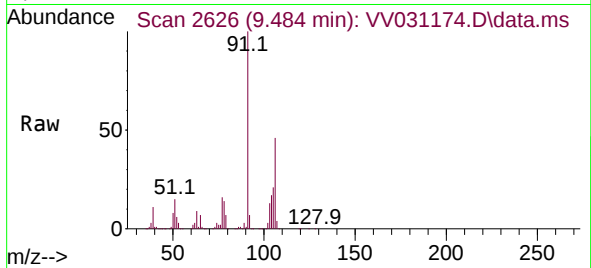




#54
o-Xylene
Concen: 52.673 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

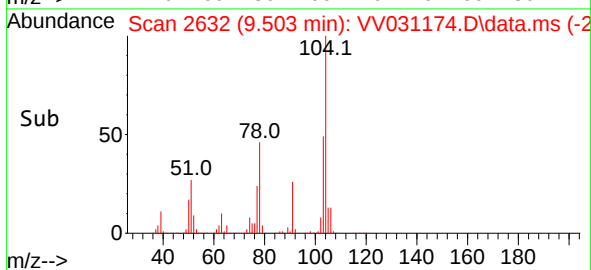
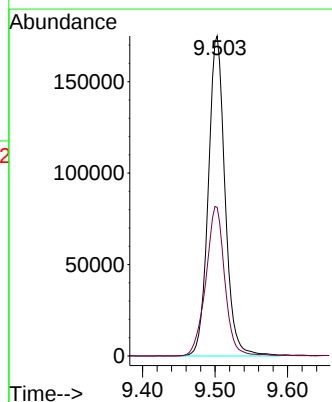
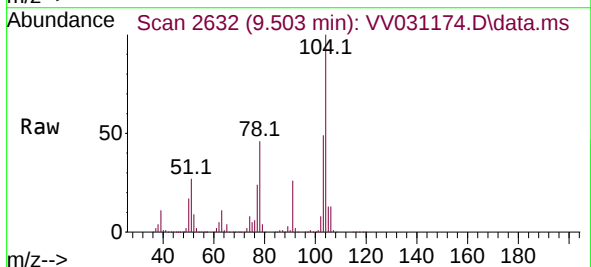
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

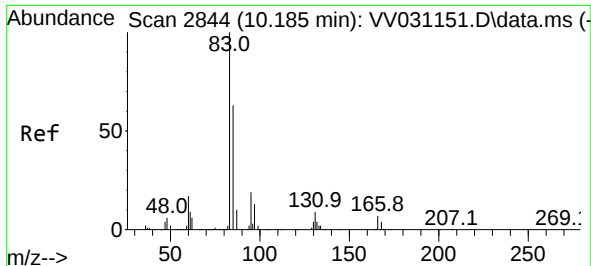
Tgt Ion:106 Resp: 155225
Ion Ratio Lower Upper
106 100
91 216.3 150.4 279.2



#55
Styrene
Concen: 53.954 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:104 Resp: 281206
Ion Ratio Lower Upper
104 100
78 46.4 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 50.533 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

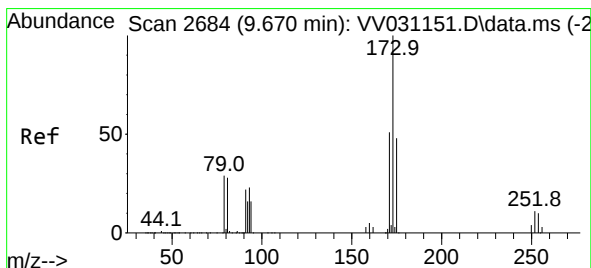
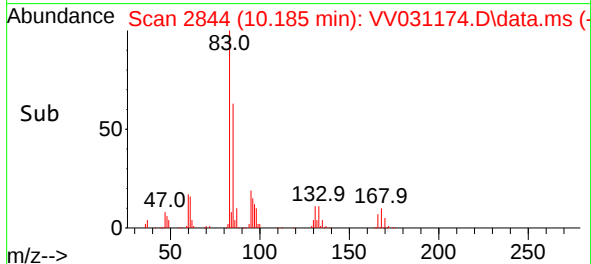
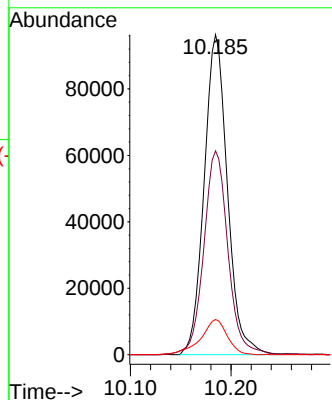
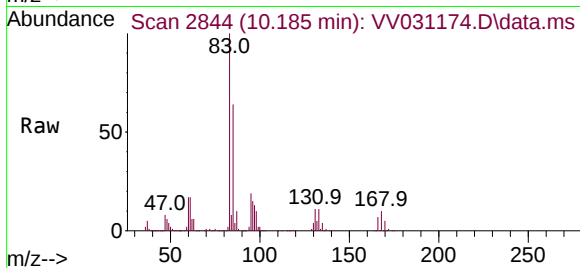
Tgt Ion: 83 Resp: 155031

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

131 11.0 9.2 13.8



#59

Bromoform

Concen: 49.702 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

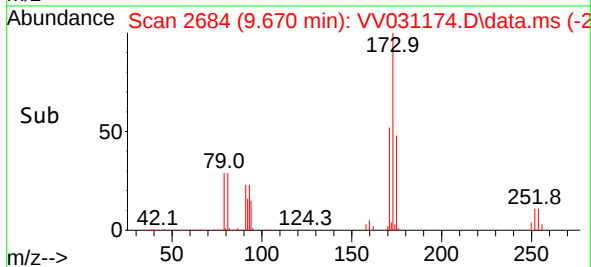
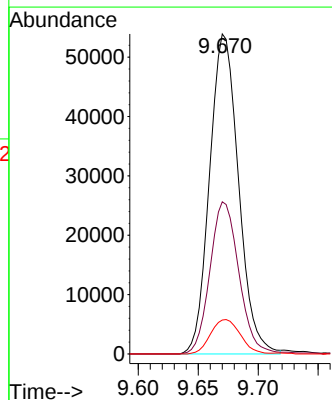
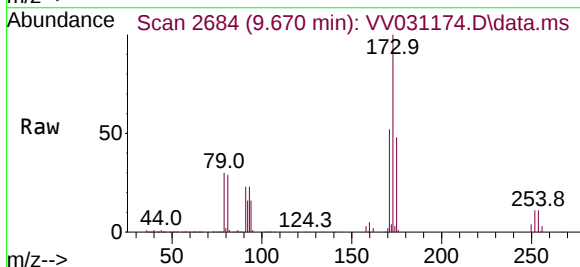
Tgt Ion: 173 Resp: 90476

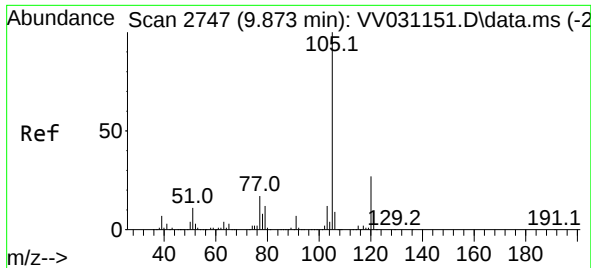
Ion Ratio Lower Upper

173 100

175 47.4 38.8 58.2

254 11.0 8.8 13.2

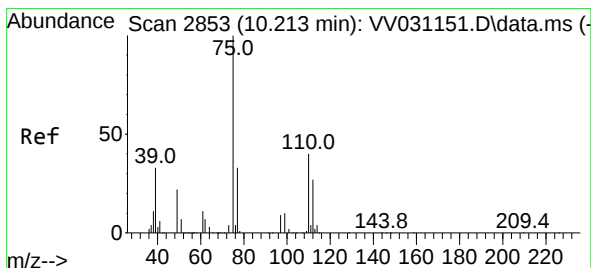
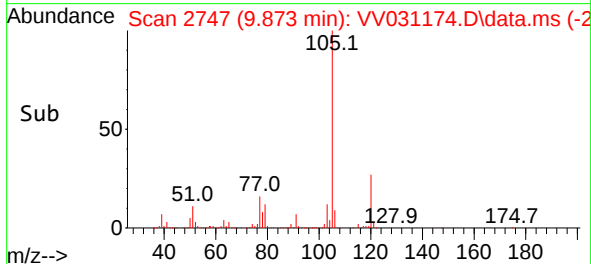
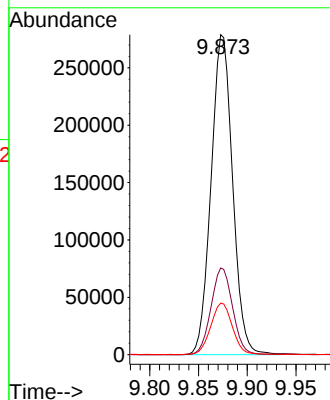
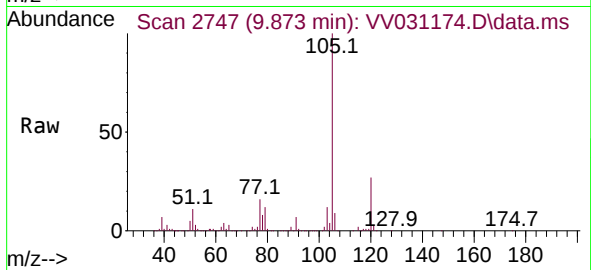




#60
Isopropylbenzene
Concen: 51.034 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

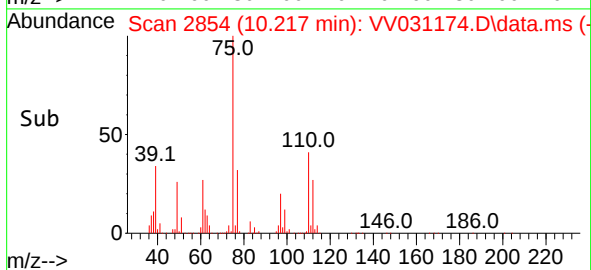
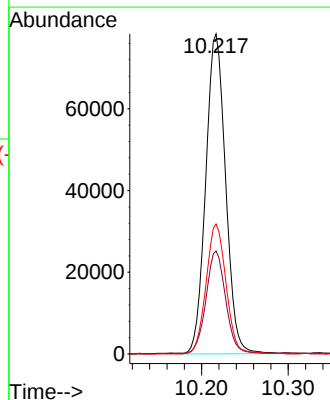
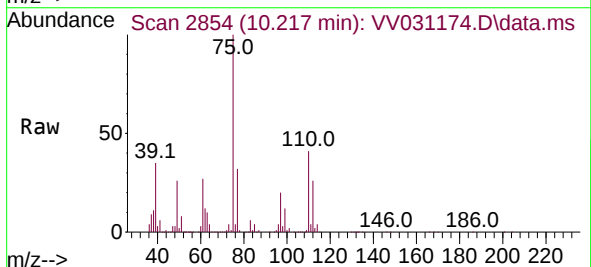
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

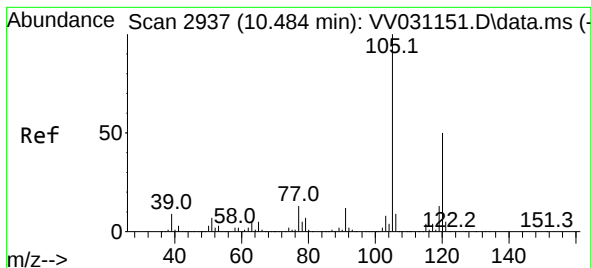
Tgt Ion:105 Resp: 428497
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.0
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 51.643 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion: 75 Resp: 124727
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
110 40.9 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 50.727 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

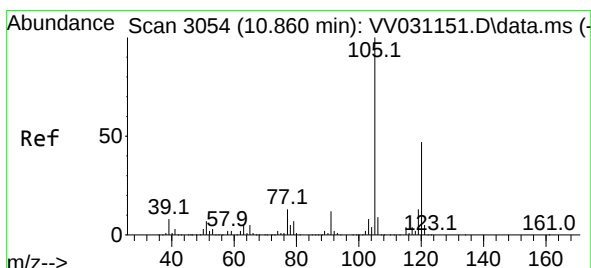
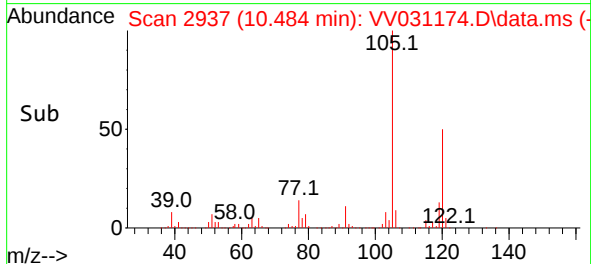
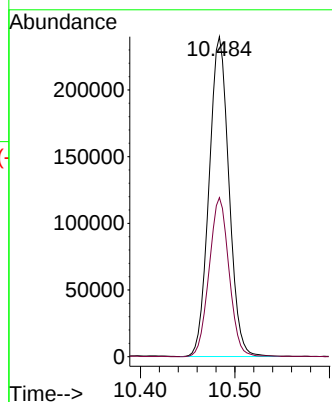
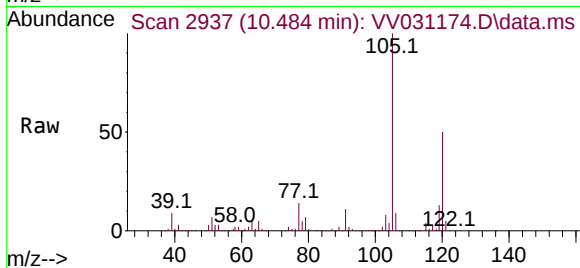
VSTD050350

Tgt Ion:105 Resp: 350093

Ion Ratio Lower Upper

105 100

120 49.7 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 51.493 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031174.D

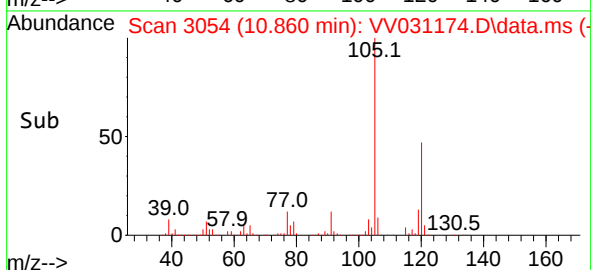
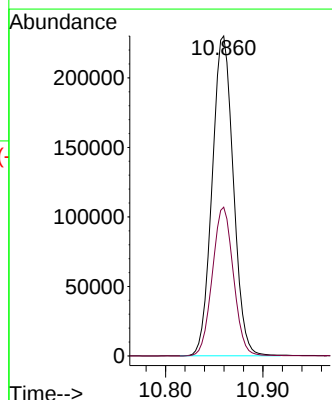
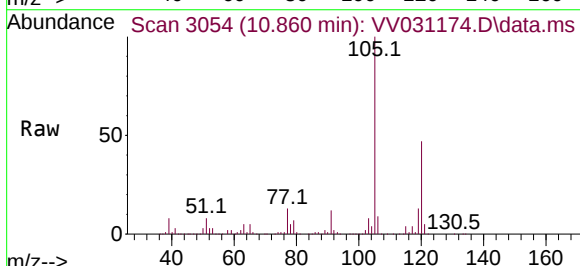
Acq: 22 May 2023 18:31

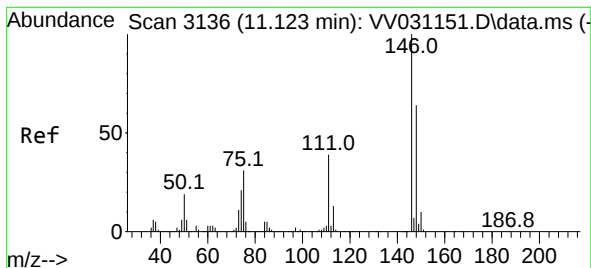
Tgt Ion:105 Resp: 347479

Ion Ratio Lower Upper

105 100

120 46.3 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 51.291 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

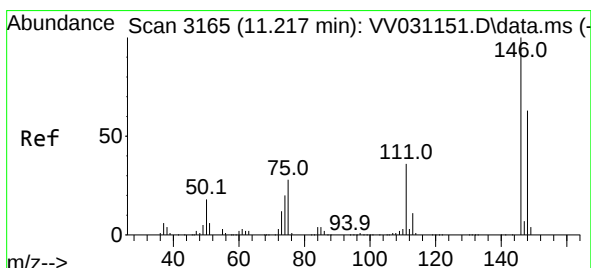
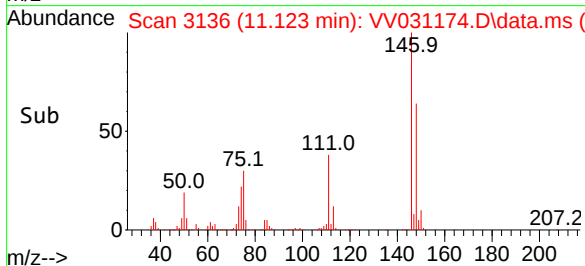
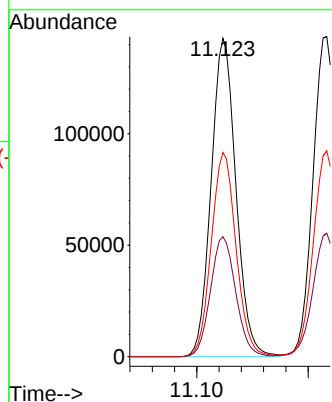
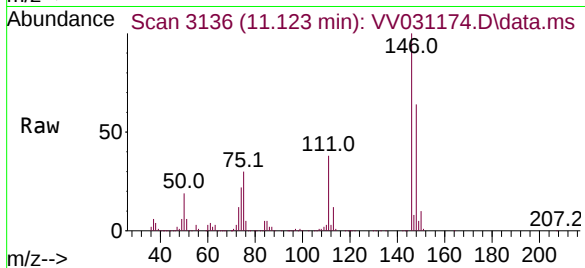
Tgt Ion:146 Resp: 220661

Ion Ratio Lower Upper

146 100

111 37.7 27.2 50.4

148 64.1 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 50.990 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

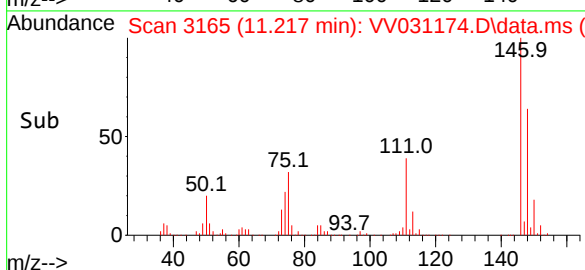
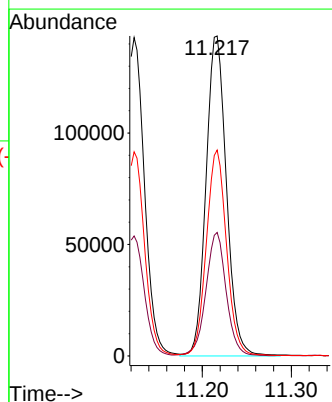
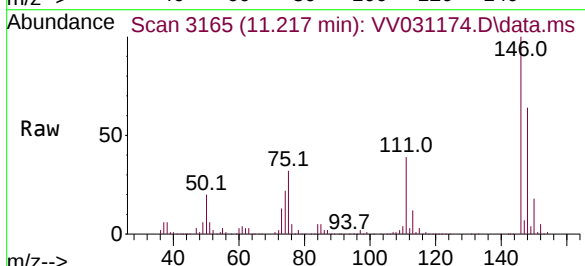
Tgt Ion:146 Resp: 228213

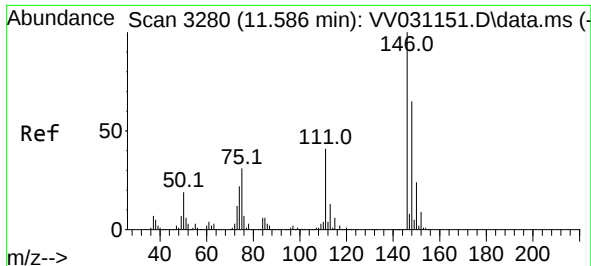
Ion Ratio Lower Upper

146 100

111 38.6 25.5 47.3

148 64.4 44.5 82.7

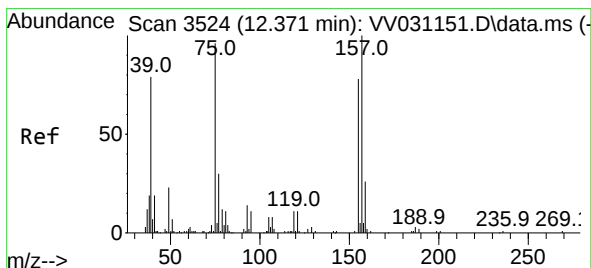
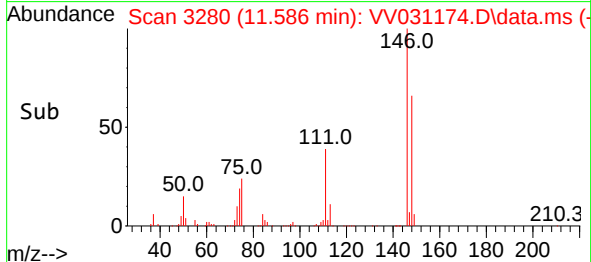
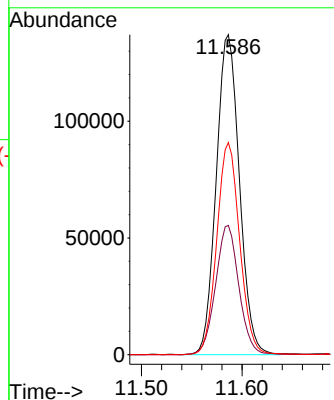
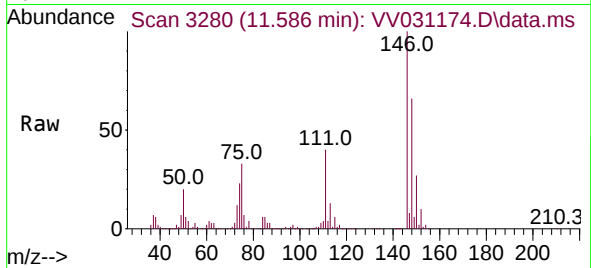




#67
1,2-Dichlorobenzene
Concen: 50.393 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

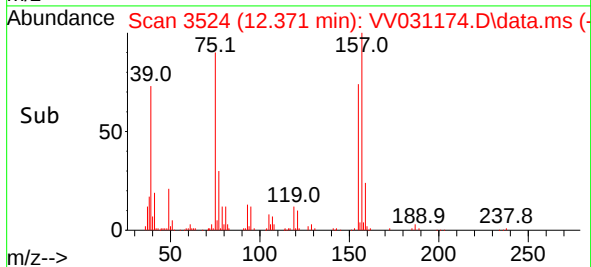
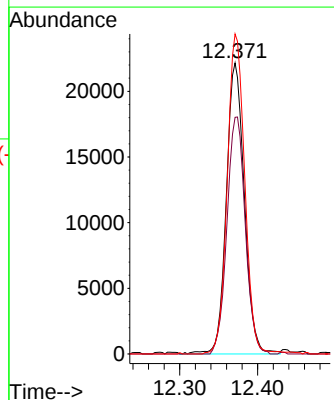
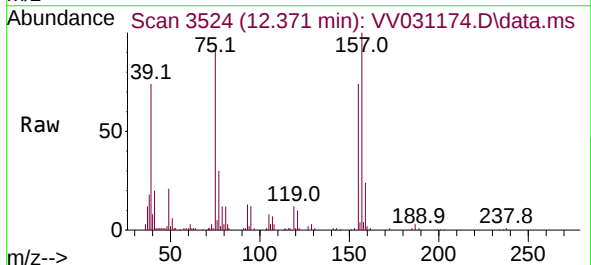
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

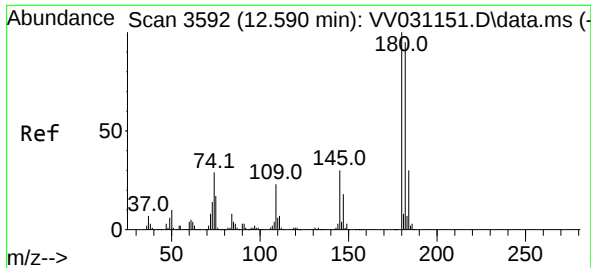
Tgt Ion:146 Resp: 219981
Ion Ratio Lower Upper
146 100
111 40.4 31.4 47.2
148 66.3 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 48.039 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion: 75 Resp: 35615
Ion Ratio Lower Upper
75 100
155 81.3 70.9 106.3
157 109.9 88.1 132.1

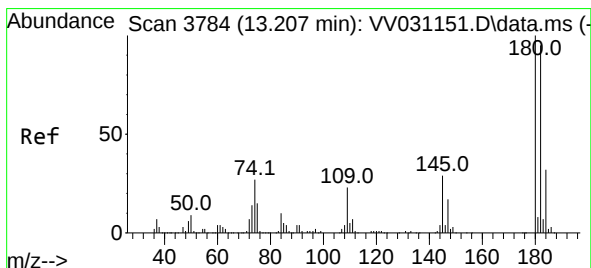
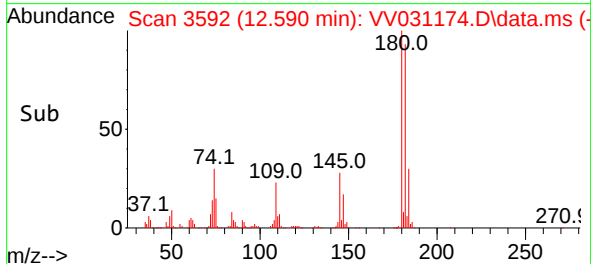
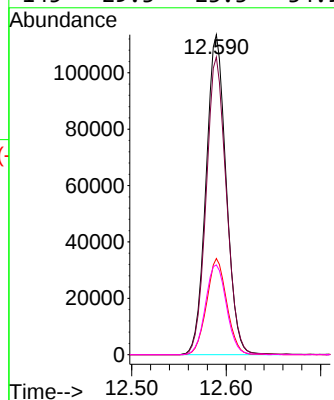
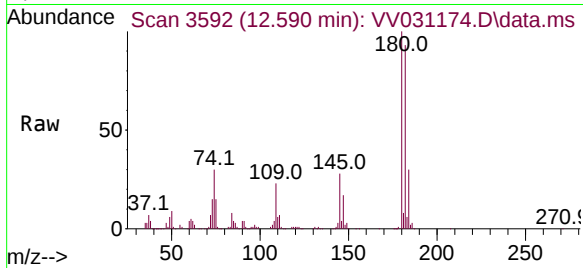




#69
1,3,5-Trichlorobenzene
Concen: 50.480 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

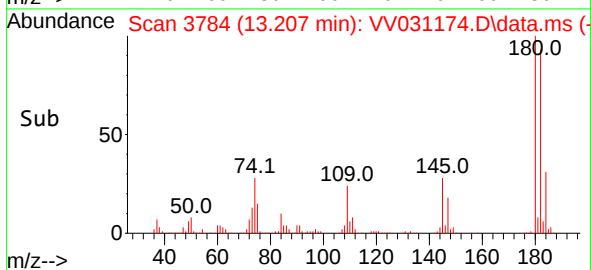
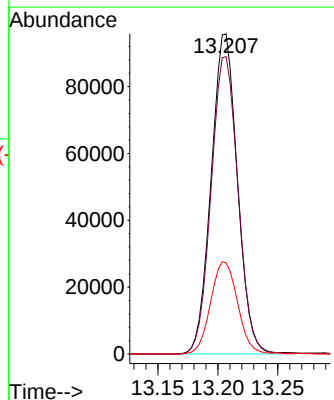
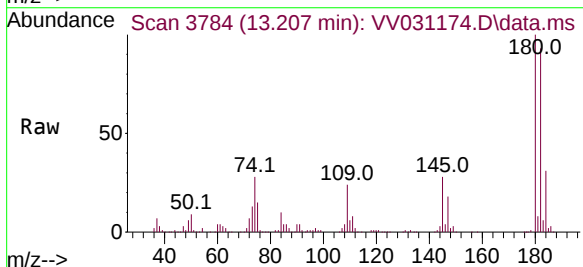
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

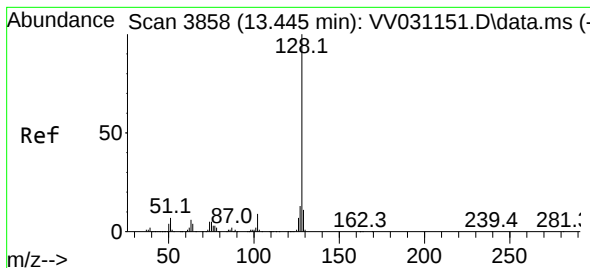
Tgt Ion:	180	Resp:	167883
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	115.0
184	30.1	24.6	37.0
145	29.3	23.3	34.9



#70
1,2,4-trichlorobenzene
Concen: 51.452 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV031174.D
Acq: 22 May 2023 18:31

Tgt Ion:	180	Resp:	145624
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.4	113.2
145	29.5	23.1	34.7





#71

Naphthalene

Concen: 55.594 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

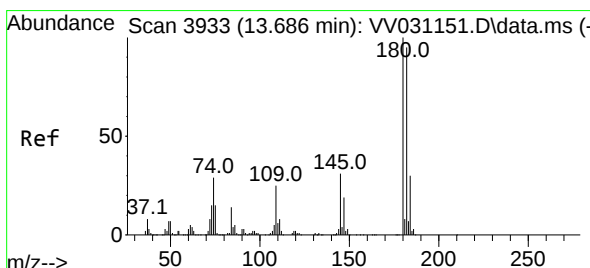
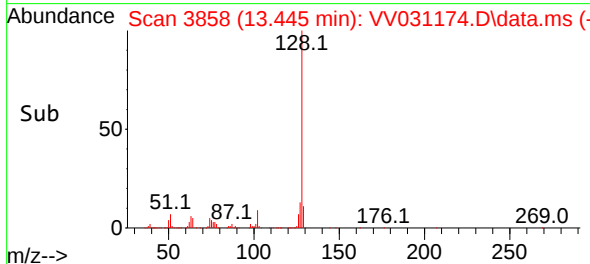
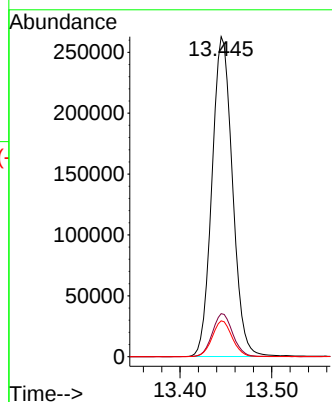
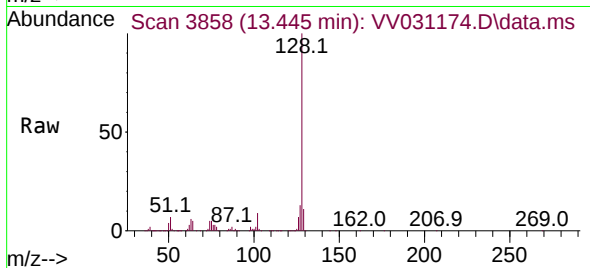
Tgt Ion:128 Resp: 408713

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 53.623 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031174.D

Acq: 22 May 2023 18:31

Tgt Ion:180 Resp: 151660

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

145 30.7 24.2 36.4

