

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061423\
 Data File : VW031516.D
 Acq On : 14 Jun 2023 15:03
 Operator : SY/MD
 Sample : VSTD20037
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200237

Quant Time: Jun 15 00:18:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 15 00:16:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	258809	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	256492	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	157587	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	333290	156.470	ug/L	0.00
7) Chloroethane-d5	1.536	69	271865	161.339	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	172430	171.151	ug/L	0.00
21) 2-Butanone-d5	3.793	46	616713	504.467	ug/L	0.00
24) Chloroform-d	4.256	84	843826	210.009	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	528281	197.970	ug/L	0.00
32) Benzene-d6	4.970	84	1490380	211.007	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	510028	232.775	ug/L	0.00
41) Toluene-d8	7.249	98	1411201	215.140	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	277881	254.393	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	510187	591.396	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	772416	234.657	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	616992	213.658	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	520707	275.824	ug/L	99
3) Chloromethane	1.217	50	479185	242.381	ug/L	98
5) Vinyl chloride	1.288	62	493990	272.219	ug/L	99
6) Bromomethane	1.491	94	325670	301.192	ug/L	100
8) Chloroethane	1.552	64	272416	232.257	ug/L	95
9) Trichlorofluoromethane	1.716	101	810978	237.074	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	444338	246.549	ug/L	97
12) 1,1-Dichloroethene	2.076	96	379544	245.482	ug/L	93
13) Acetone	2.124	43	485688	321.764	ug/L	97
14) Carbon disulfide	2.246	76	1163659	357.025	ug/L	99
15) Methyl Acetate	2.378	43	473985	256.298	ug/L	99
16) Methylene chloride	2.455	84	438412	250.209	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	406645	276.402	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	1461906	267.579	ug/L	99
19) 1,1-Dichloroethane	3.118	63	844860	257.295	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	463522	264.239	ug/L	99
22) 2-Butanone	3.876	43	706875	469.378	ug/L	100
23) Bromochloromethane	4.156	128	232544	242.721	ug/L	98
25) Chloroform	4.285	83	872944	241.629	ug/L	99
27) 1,2-Dichloroethane	5.047	62	684966	229.579	ug/L	99
29) Cyclohexane	4.593	56	756303	328.868	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	800083	239.570	ug/L	99
31) Carbon tetrachloride	4.744	117	717630	244.583	ug/L	99
33) Benzene	5.018	78	1730643	260.468	ug/L	100
34) Trichloroethene	5.838	95	466729	262.050	ug/L	96
35) Methylcyclohexane	6.060	83	745395	305.496	ug/L	97
37) 1,2-Dichloropropane	6.098	63	500490	269.269	ug/L	99
38) Bromodichloromethane	6.439	83	676419	242.846	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	849778	297.028	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	1326057	489.860	ug/L	98
42) Toluene	7.320	91	1883085	263.023	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	817375	286.324	ug/L	100

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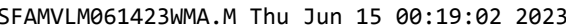
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200237

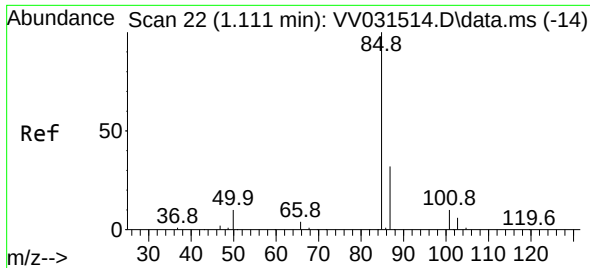
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	469173	239.642	ug/L	100
46) Tetrachloroethene	7.912	164	360157	240.101	ug/L	98
48) 2-Hexanone	8.082	43	1055178	475.465	ug/L	99
49) Dibromochloromethane	8.185	129	539688	244.843	ug/L	98
50) 1,2-Dibromoethane	8.288	107	511128	256.861	ug/L	99
51) Chlorobenzene	8.818	112	1183011	237.487	ug/L	98
52) Ethylbenzene	8.953	91	2189430	268.613	ug/L	100
53) m,p-Xylene	9.079	106	802290	256.624	ug/L	97
54) o-Xylene	9.484	106	777668	254.365	ug/L	98
55) Styrene	9.500	104	1395586	256.967	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	795396	246.579	ug/L	97
59) Bromoform	9.670	173	424928	225.073	ug/L #	98
60) Isopropylbenzene	9.873	105	2221389	250.099	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	606201	236.733	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	1912278	260.548	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	1791703	252.661	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	1040650	232.016	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	1069228	229.027	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	1045235	230.743	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	189999	242.326	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	807702	233.548	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	753053	256.120	ug/L	99
71) Naphthalene	13.445	128	2042044	265.761	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	739872	248.194	ug/L	97

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

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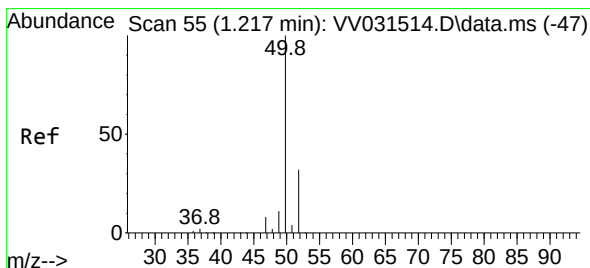
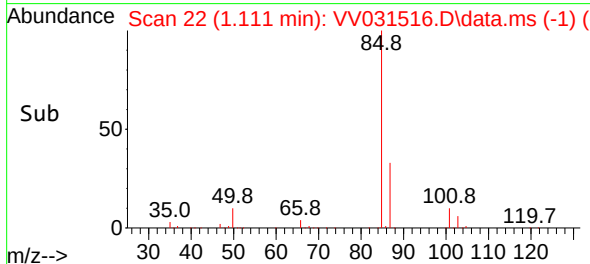
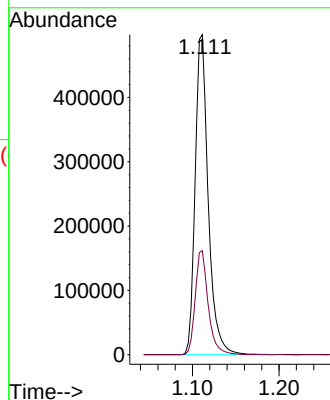
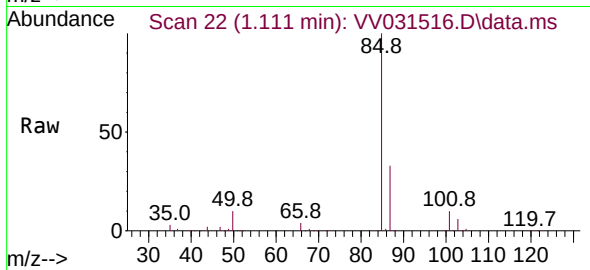




#2
 Dichlorodifluoromethane
 Concen: 275.824 ug/L
 RT: 1.111 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

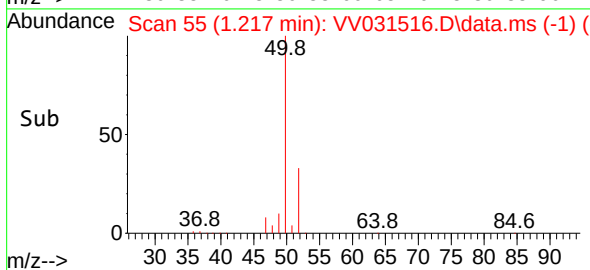
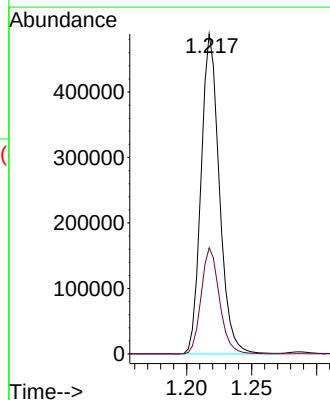
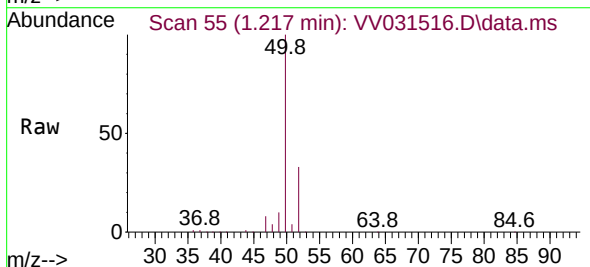
Instrument :
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 ClientSampleId :
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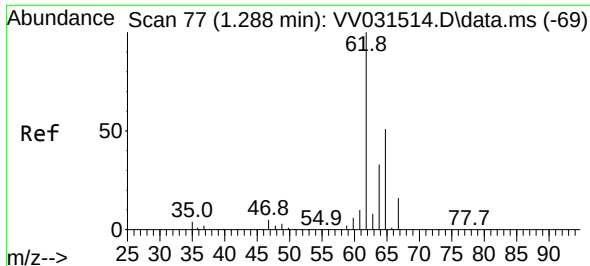
Tgt Ion: 85 Resp: 520707
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.5 38.3



#3
 Chloromethane
 Concen: 242.381 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

Tgt Ion: 50 Resp: 479185
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.3 41.5

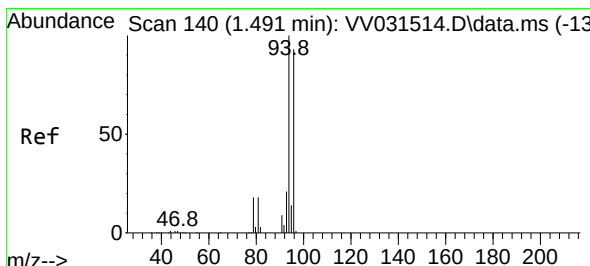
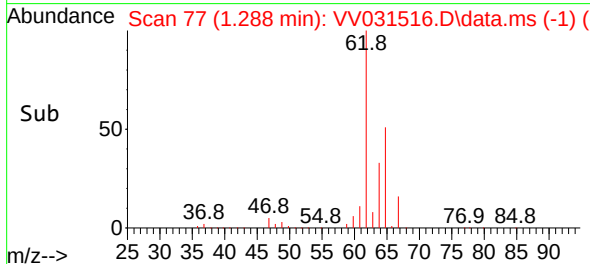
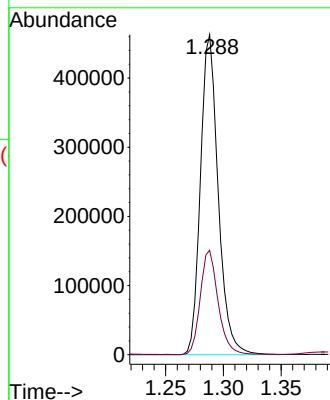
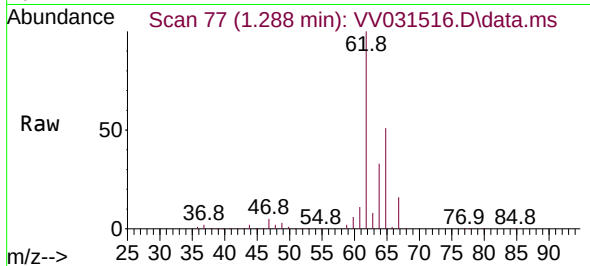




#5
 Vinyl chloride
 Concen: 272.219 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

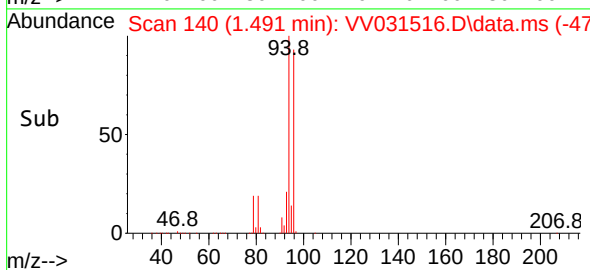
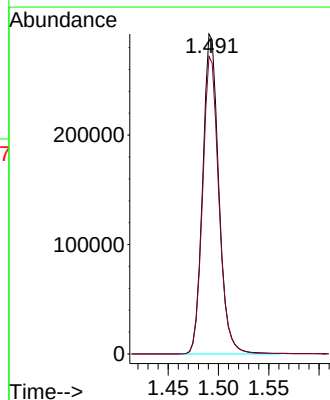
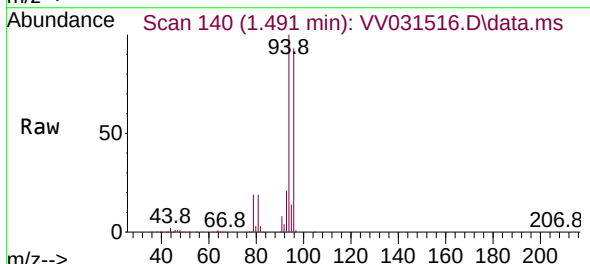
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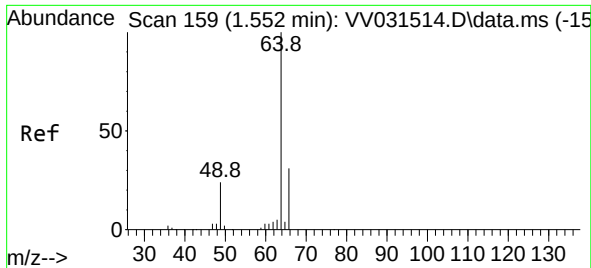
Tgt Ion: 62 Resp: 493990
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.4 43.4



#6
 Bromomethane
 Concen: 301.192 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

Tgt Ion: 94 Resp: 325670
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.4 121.4

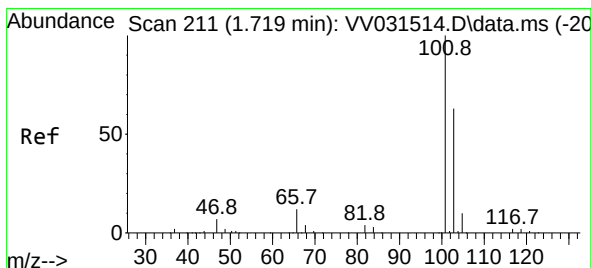
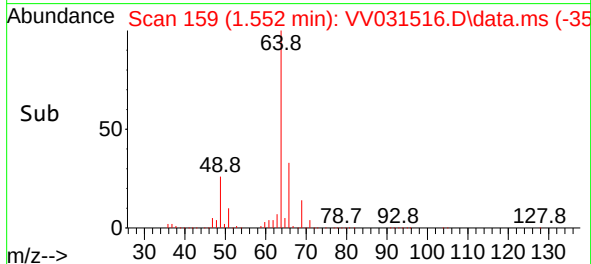
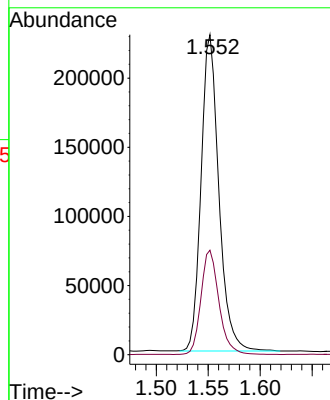
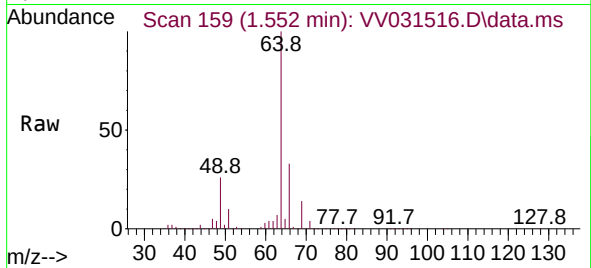




#8
Chloroethane
Concen: 232.257 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

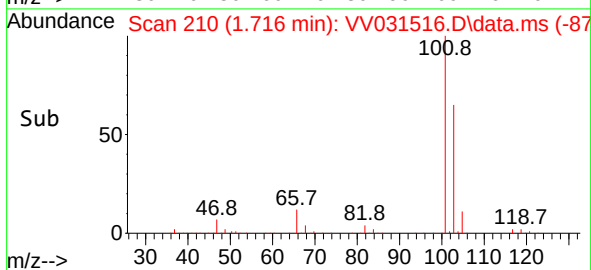
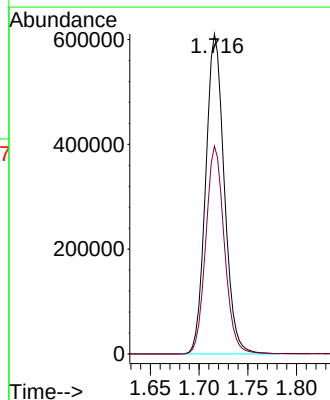
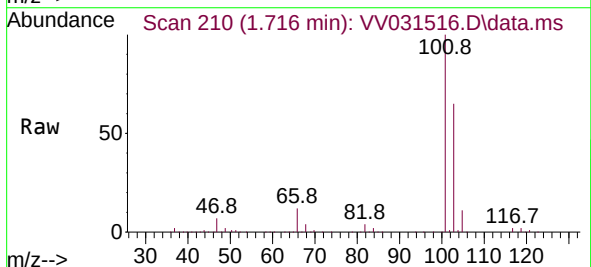
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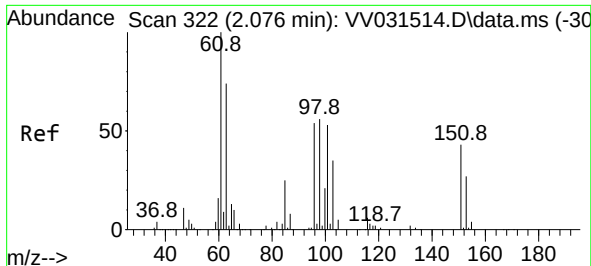
Tgt Ion: 64 Resp: 272416
Ion Ratio Lower Upper
64 100
66 32.7 21.0 39.0



#9
Trichlorofluoromethane
Concen: 237.074 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion:101 Resp: 810978
Ion Ratio Lower Upper
101 100
103 65.0 50.9 76.3

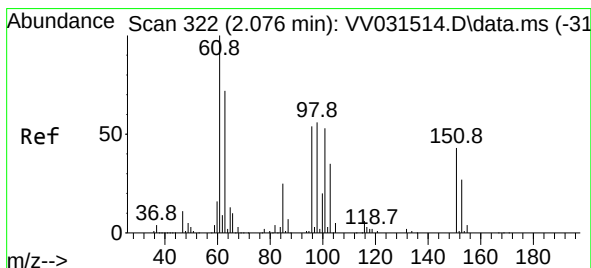
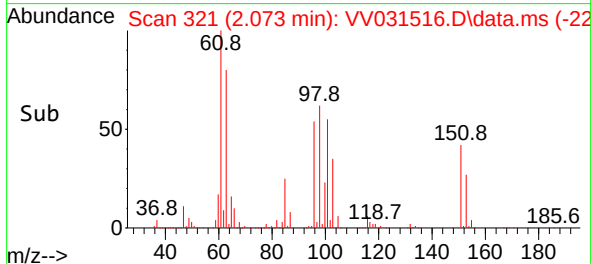
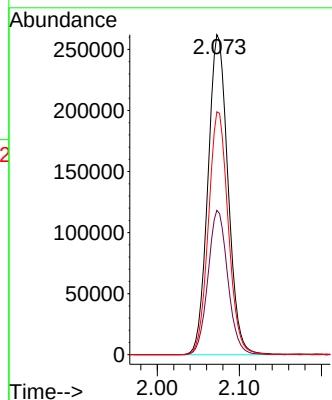
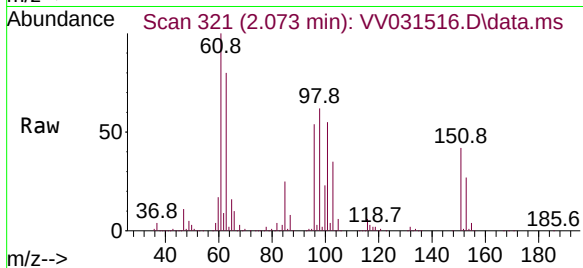




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 246.549 ug/L
 RT: 2.073 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

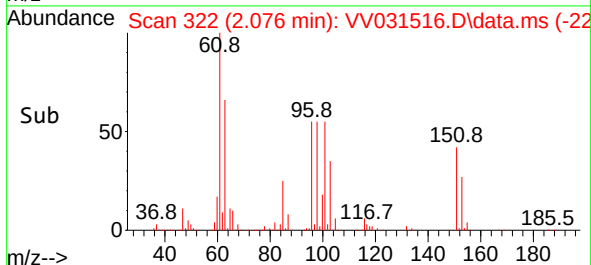
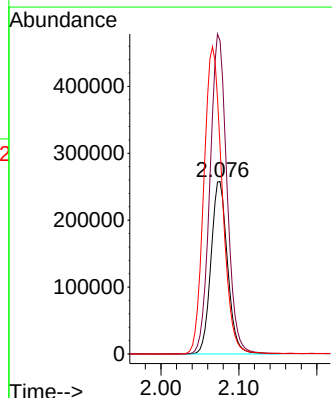
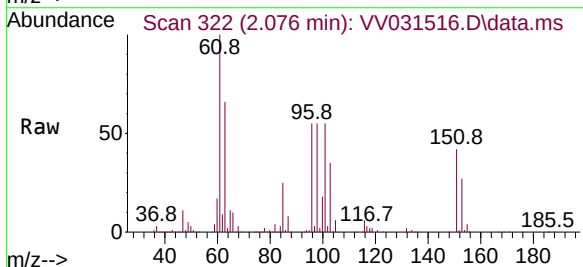
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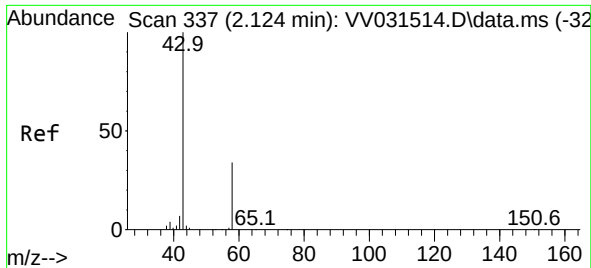
Tgt Ion:101 Resp: 444338
 Ion Ratio Lower Upper
 101 100
 85 44.6 37.4 56.0
 151 75.2 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 245.482 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

Tgt Ion: 96 Resp: 379544
 Ion Ratio Lower Upper
 96 100
 61 181.5 128.9 239.5
 63 120.3 95.3 177.1





#13

Acetone

Concen: 321.764 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

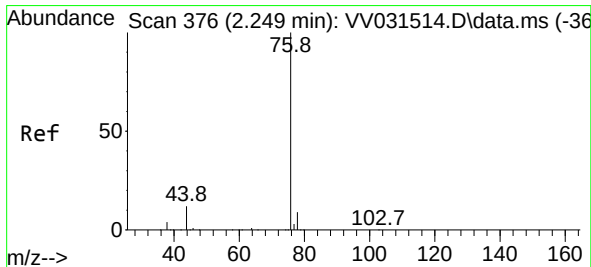
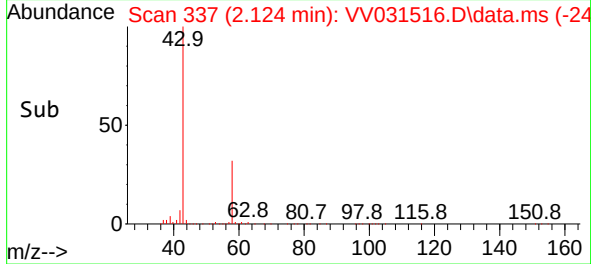
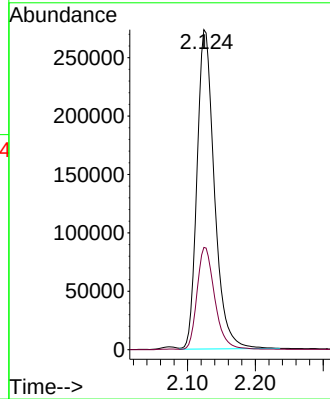
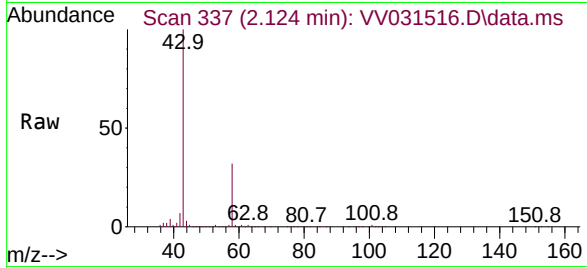
VSTD200237

Tgt Ion: 43 Resp: 485688

Ion Ratio Lower Upper

43 100

58 32.5 0.0 68.6



#14

Carbon disulfide

Concen: 357.025 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV031516.D

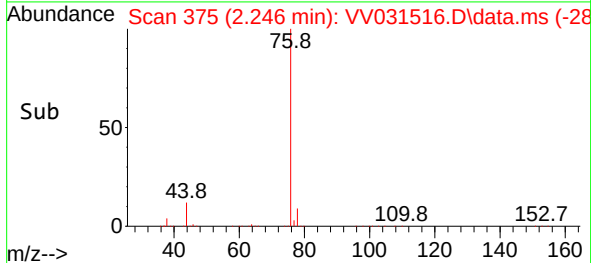
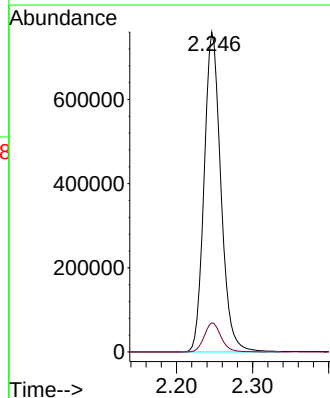
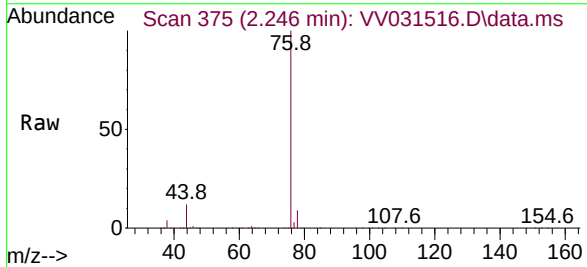
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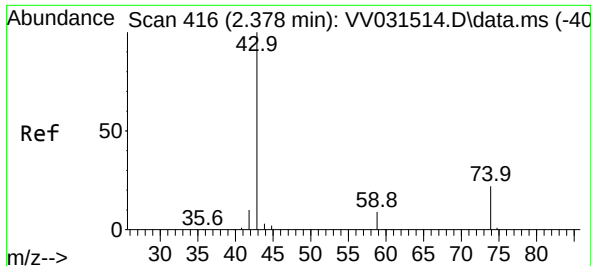
Tgt Ion: 76 Resp: 1163659

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

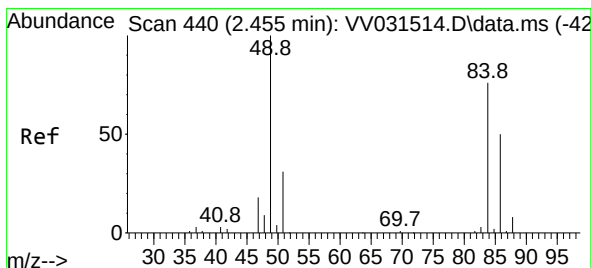
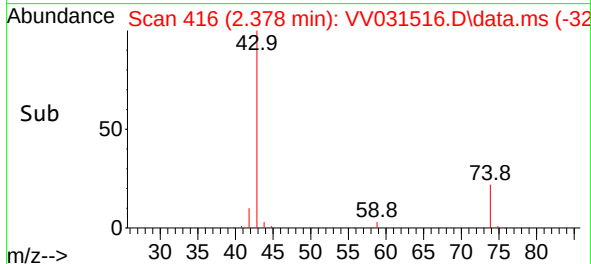
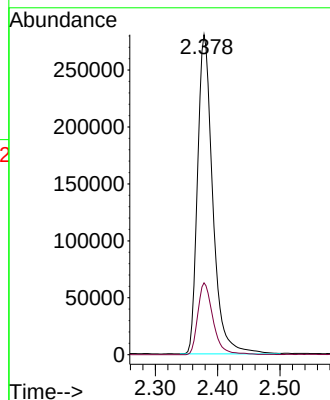
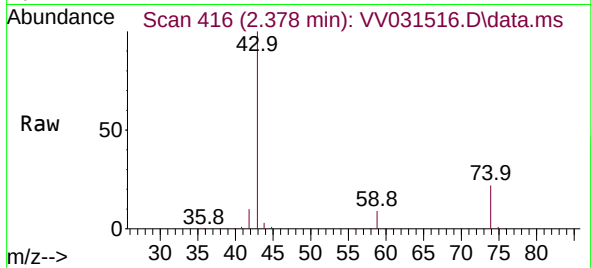




#15
Methyl Acetate
Concen: 256.298 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

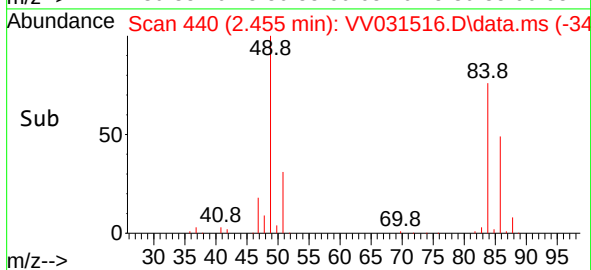
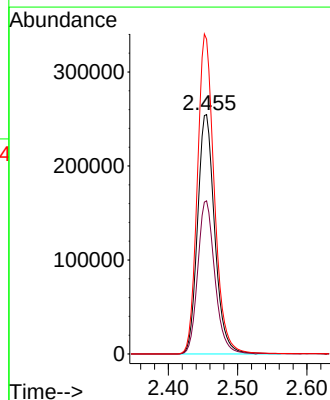
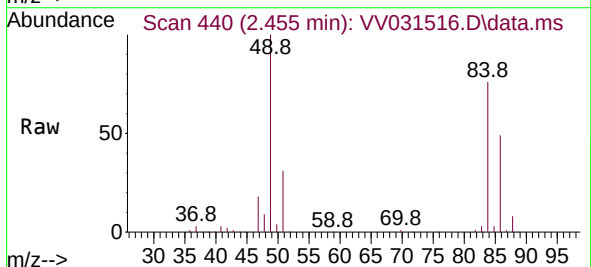
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

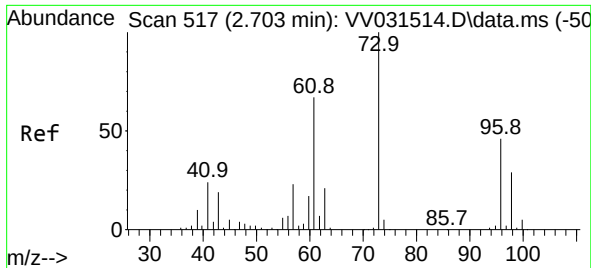
Tgt Ion: 43 Resp: 473985
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6



#16
Methylene chloride
Concen: 250.209 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 84 Resp: 438412
Ion Ratio Lower Upper
84 100
86 64.0 45.8 85.0
49 131.5 92.1 171.1

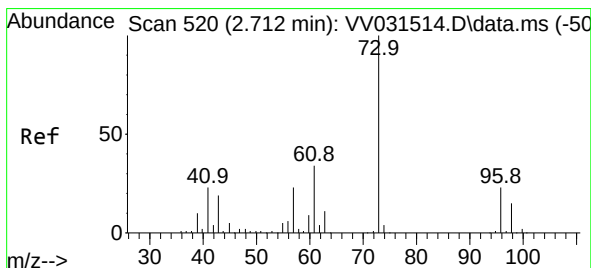
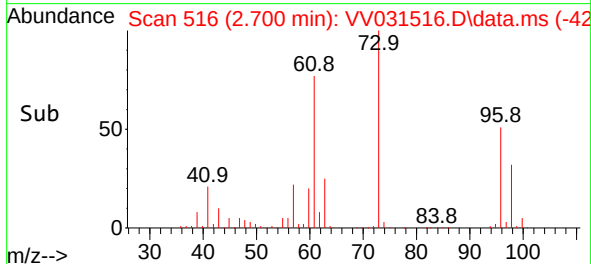
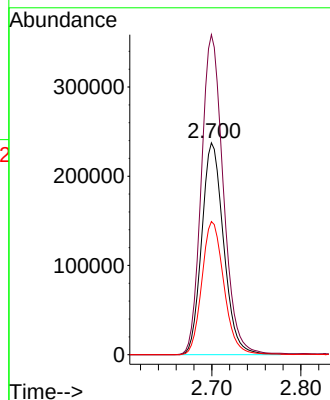
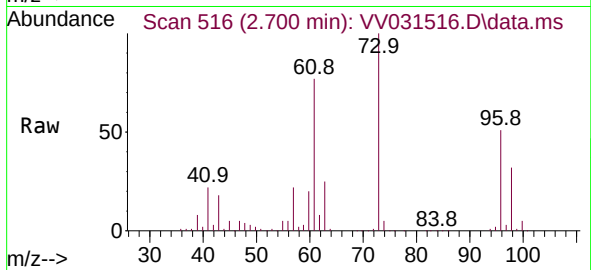




#17
trans-1,2-Dichloroethene
Concen: 276.402 ug/L
RT: 2.700 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

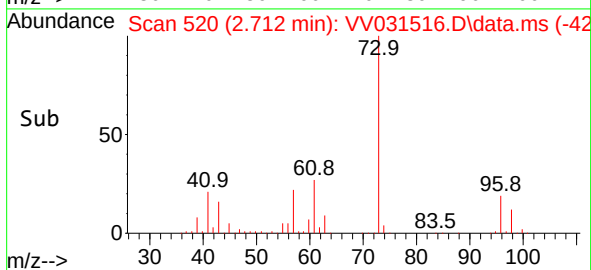
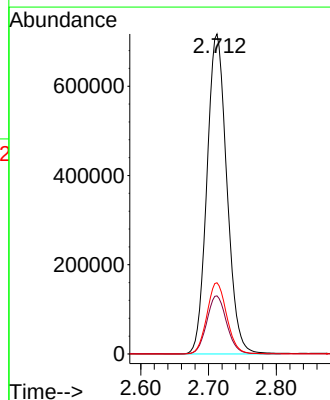
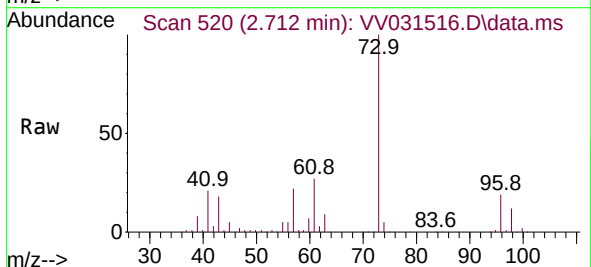
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

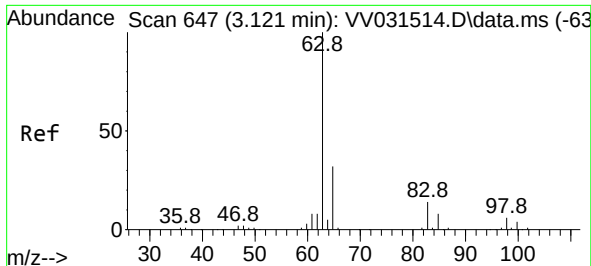
Tgt Ion: 96 Resp: 406645
Ion Ratio Lower Upper
96 100
61 151.1 102.5 190.3
98 62.9 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 267.579 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 73 Resp: 1461906
Ion Ratio Lower Upper
73 100
43 18.0 15.0 22.4
57 22.2 18.2 27.4





#19

1,1-Dichloroethane

Concen: 257.295 ug/L

RT: 3.118 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

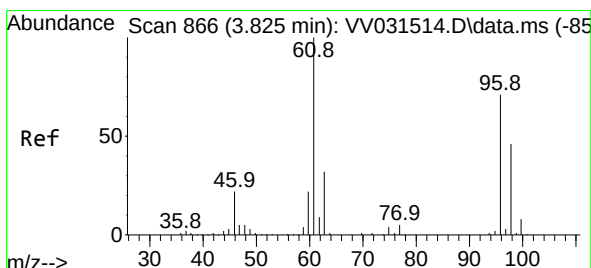
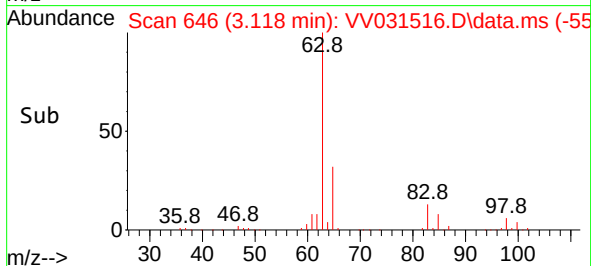
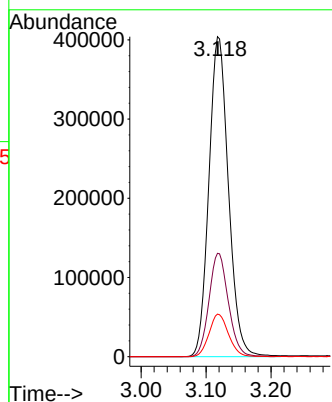
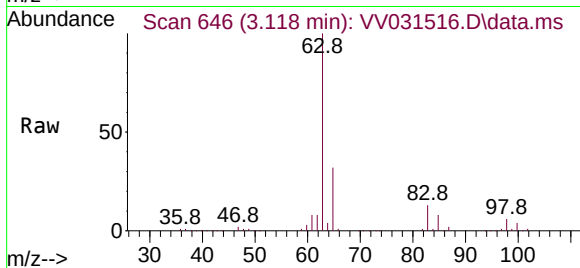
Tgt Ion: 63 Resp: 844860

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

83 13.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 264.239 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

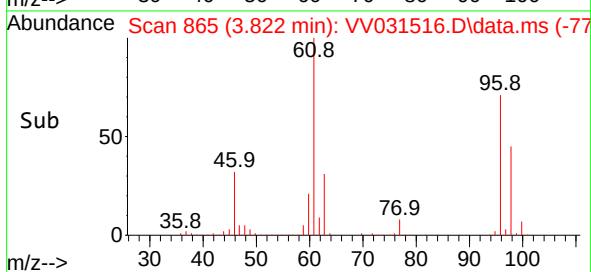
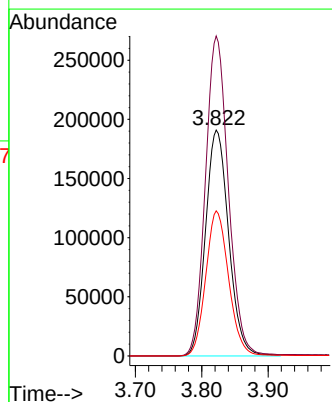
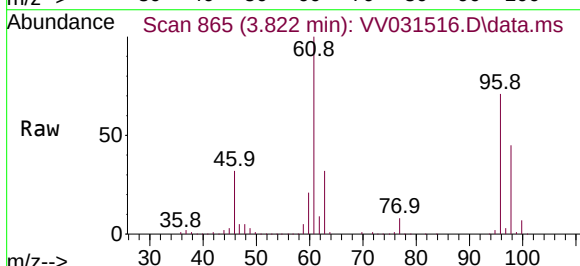
Tgt Ion: 96 Resp: 463522

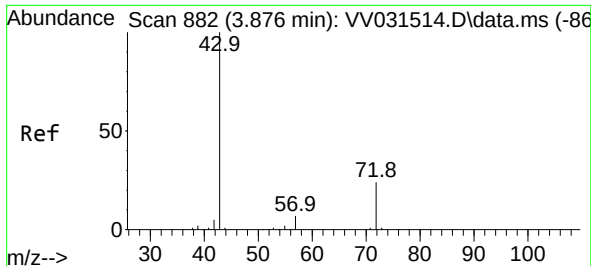
Ion Ratio Lower Upper

96 100

61 141.7 98.6 183.0

98 64.2 45.7 84.9

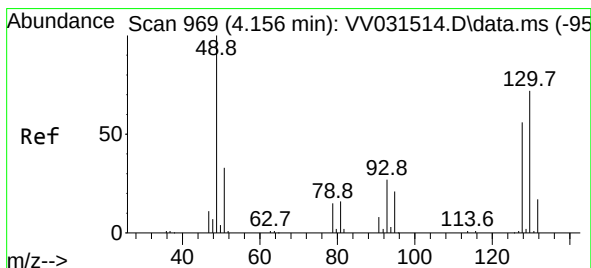
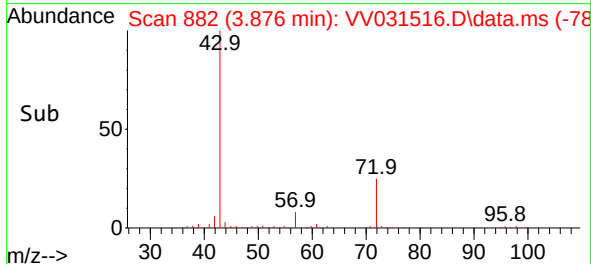
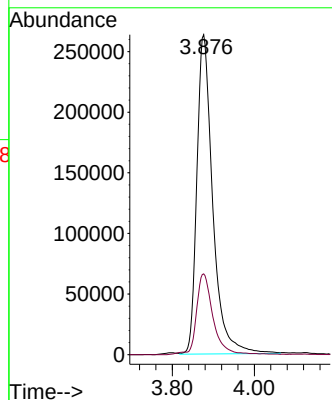
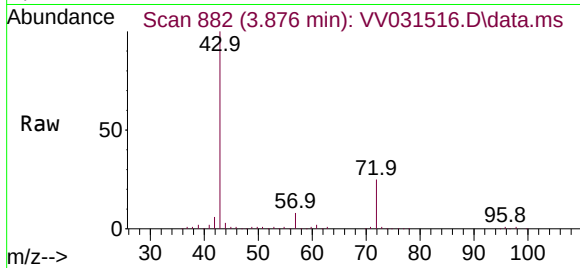




#22
2-Butanone
Concen: 469.378 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

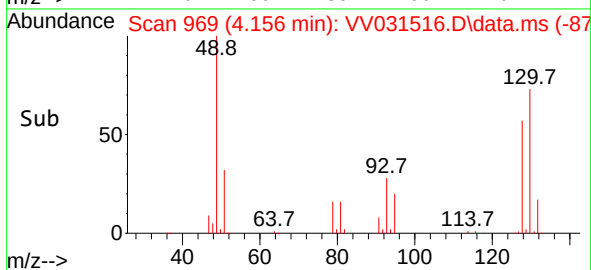
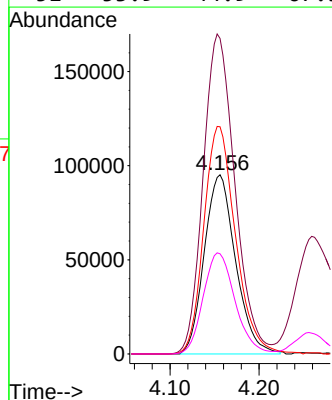
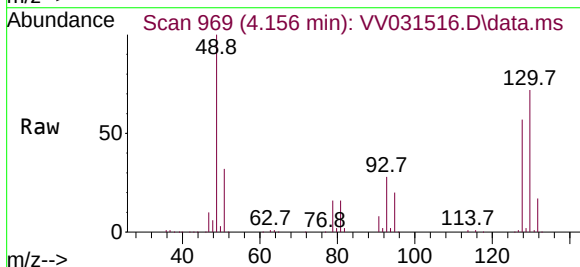
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

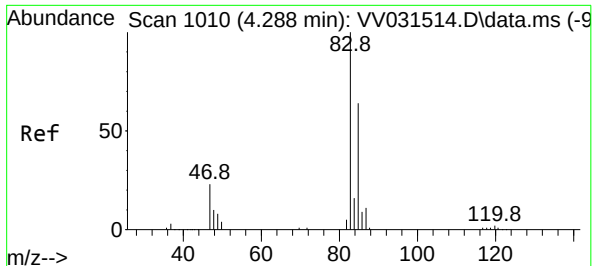
Tgt Ion: 43 Resp: 706875
Ion Ratio Lower Upper
43 100
72 24.3 12.2 36.4



#23
Bromochloromethane
Concen: 242.721 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion:128 Resp: 232544
Ion Ratio Lower Upper
128 100
49 170.0 120.6 224.0
130 122.4 88.1 163.7
51 53.9 44.9 67.3





#25

Chloroform

Concen: 241.629 ug/L

RT: 4.285 min Scan# 1010

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

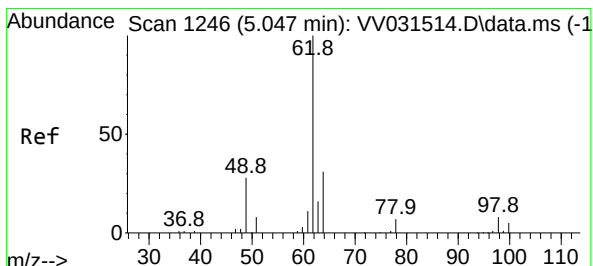
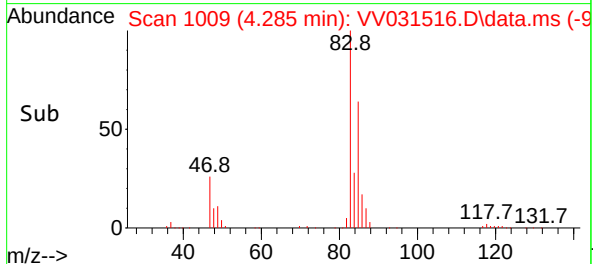
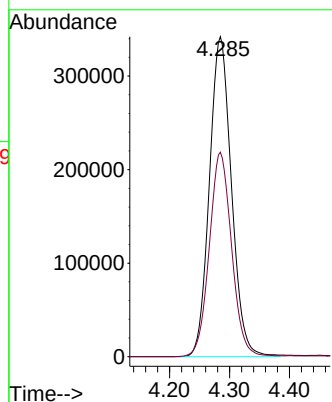
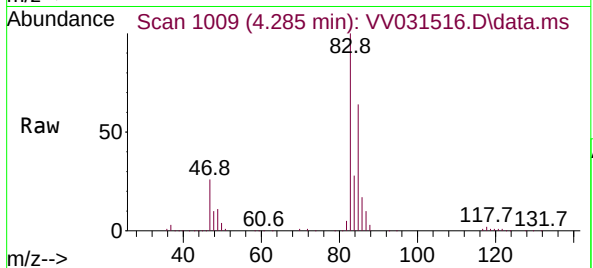
VSTD200237

Tgt Ion: 83 Resp: 872944

Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1



#27

1,2-Dichloroethane

Concen: 229.579 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031516.D

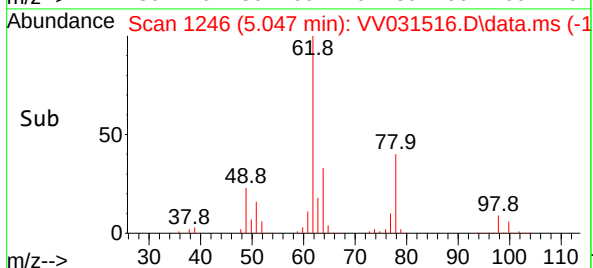
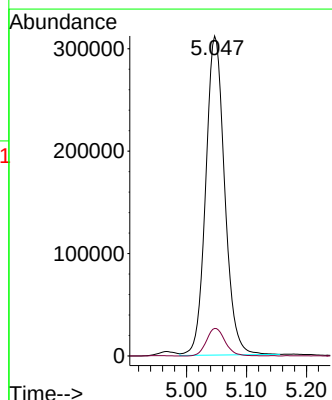
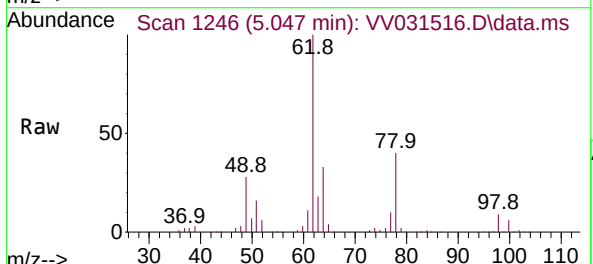
Acq: 14 Jun 2023 15:03

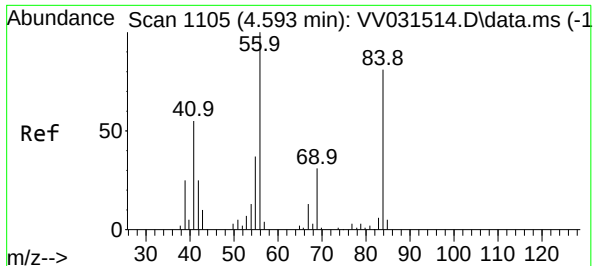
Tgt Ion: 62 Resp: 684966

Ion Ratio Lower Upper

62 100

98 8.6 6.6 9.8





#29

Cyclohexane

Concen: 328.868 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

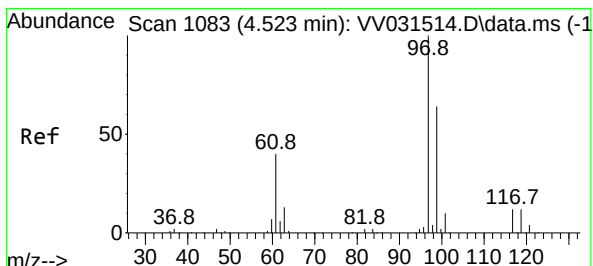
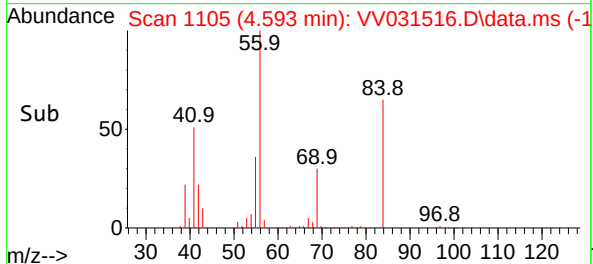
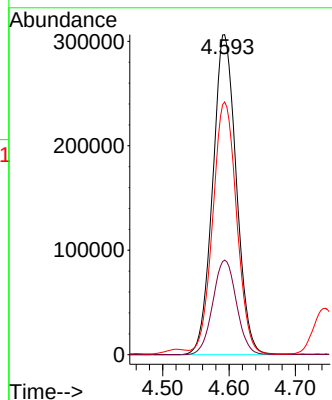
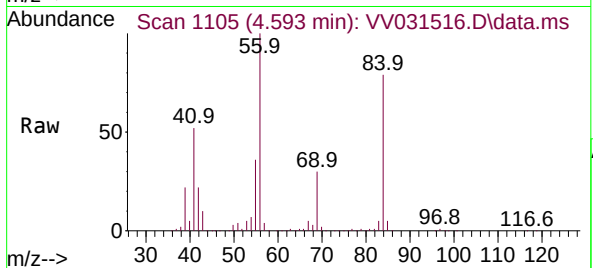
Tgt Ion: 56 Resp: 756303

Ion Ratio Lower Upper

56 100

69 29.7 24.3 36.5

84 79.8 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 239.570 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

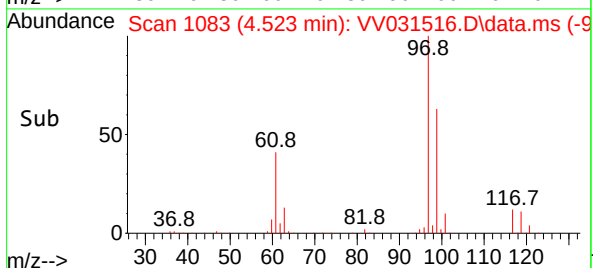
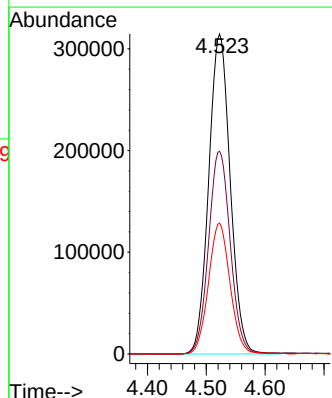
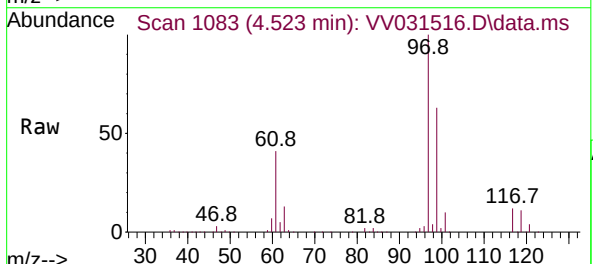
Tgt Ion: 97 Resp: 800083

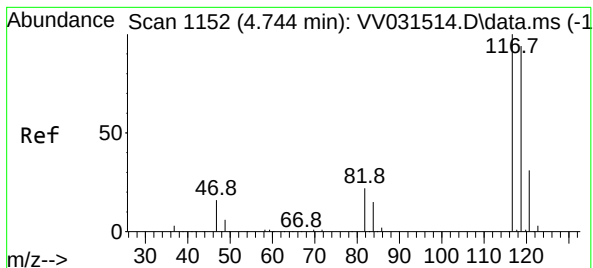
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 41.0 33.0 49.6





#31

Carbon tetrachloride

Concen: 244.583 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

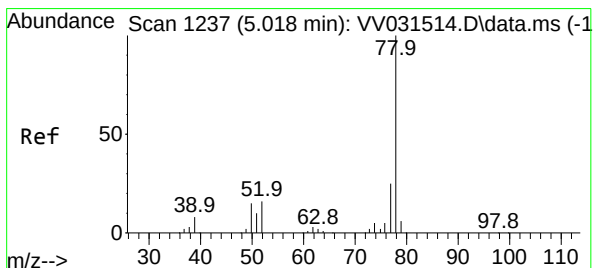
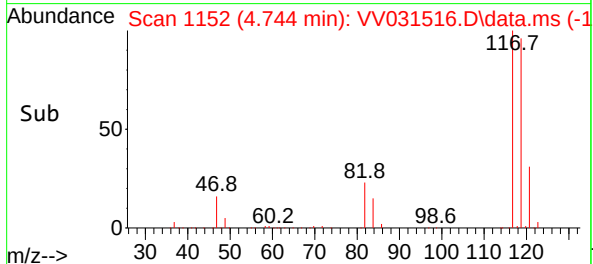
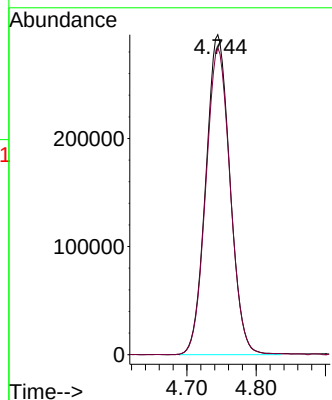
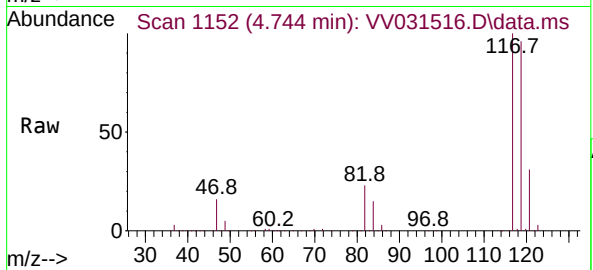
VSTD200237

Tgt Ion:117 Resp: 717630

Ion Ratio Lower Upper

117 100

119 96.6 76.2 114.4



#33

Benzene

Concen: 260.468 ug/L

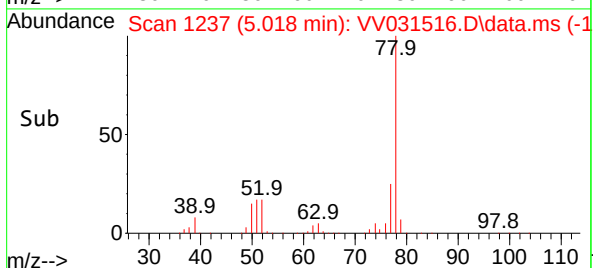
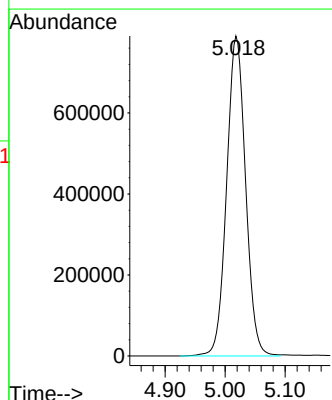
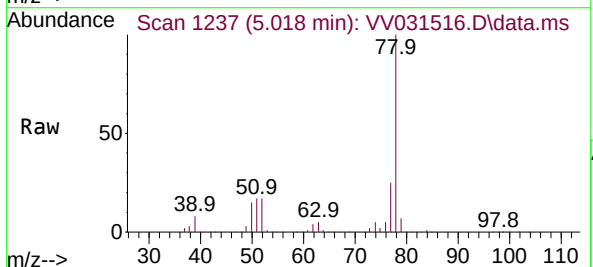
RT: 5.018 min Scan# 1237

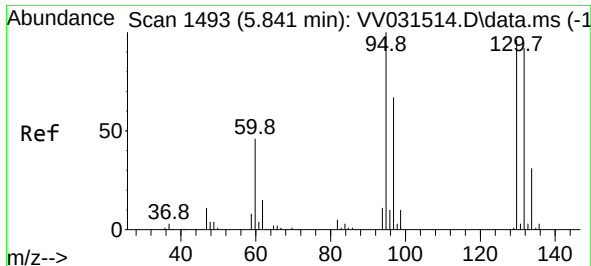
Delta R.T. 0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Tgt Ion: 78 Resp: 1730643



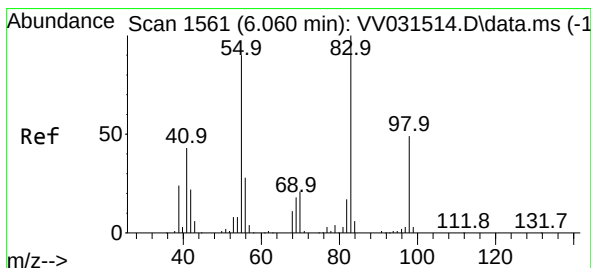
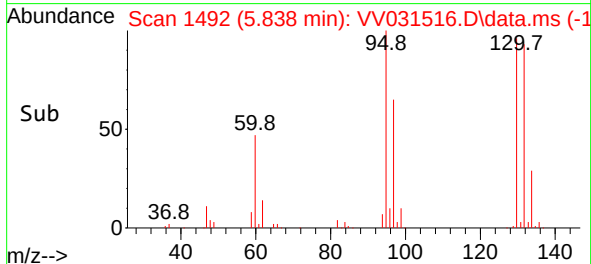
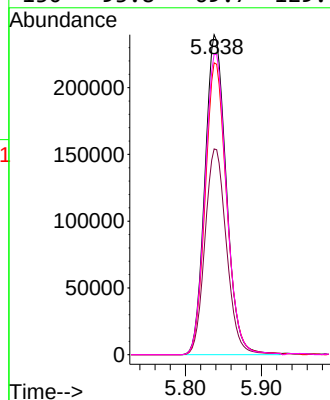
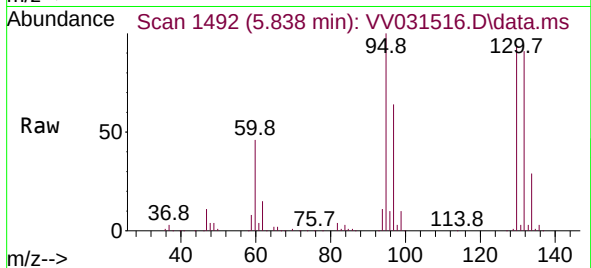


#34
Trichloroethene
Concen: 262.050 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

Tgt Ion: 95 Resp: 466729

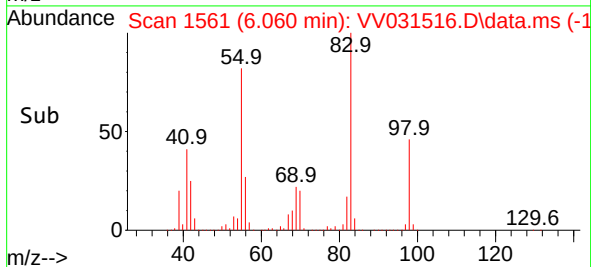
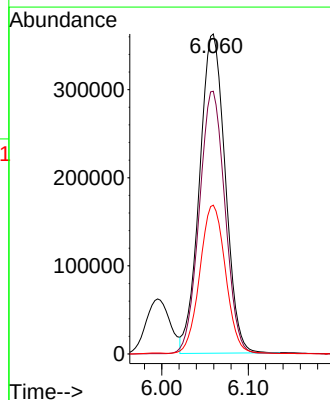
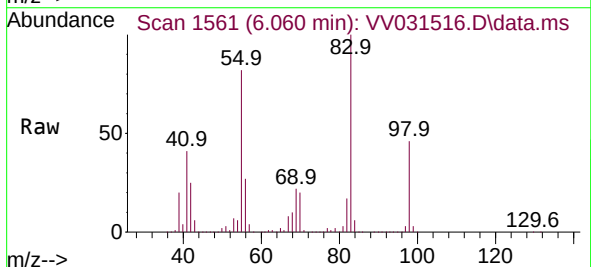
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.8	86.8
132	91.2	66.4	123.2
130	93.8	69.7	129.4

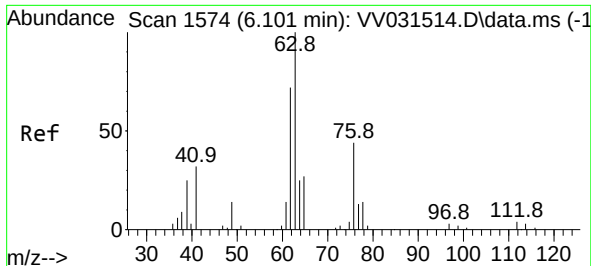


#35
Methylcyclohexane
Concen: 305.496 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 83 Resp: 745395

Ion	Ratio	Lower	Upper
83	100		
55	82.3	68.7	103.1
98	46.9	37.0	55.4





#37

1,2-Dichloropropane

Concen: 269.269 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

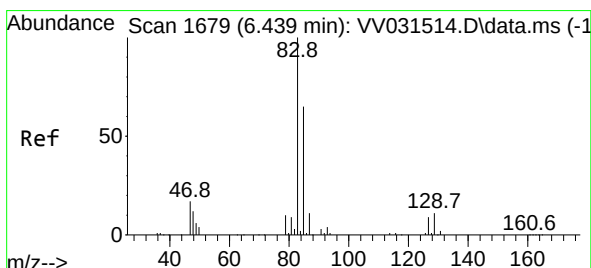
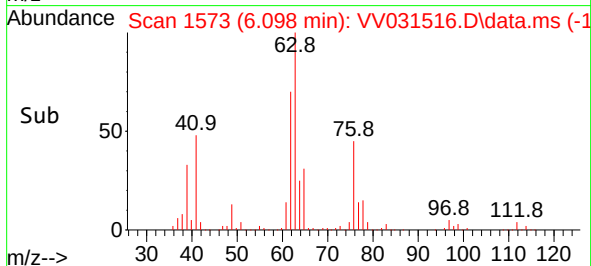
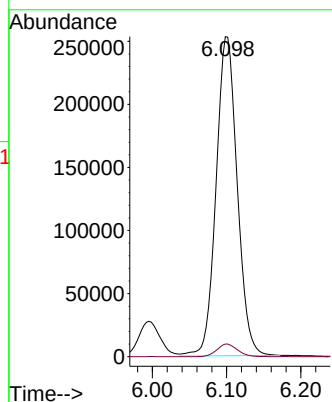
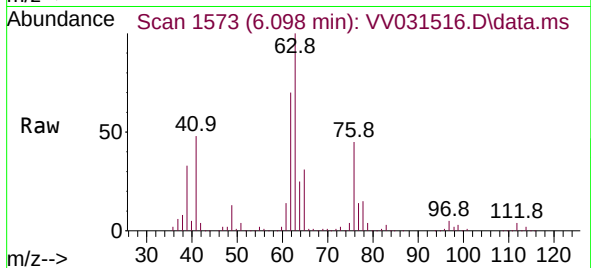
VSTD200237

Tgt Ion: 63 Resp: 500490

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 242.846 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

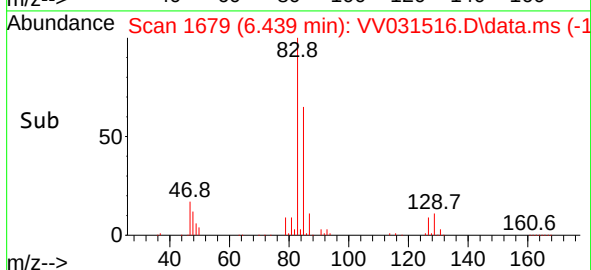
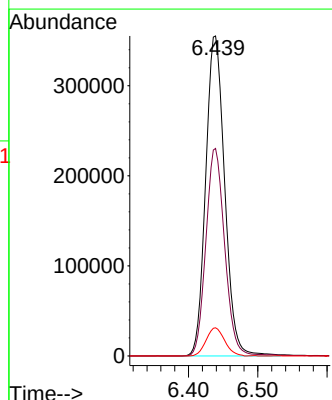
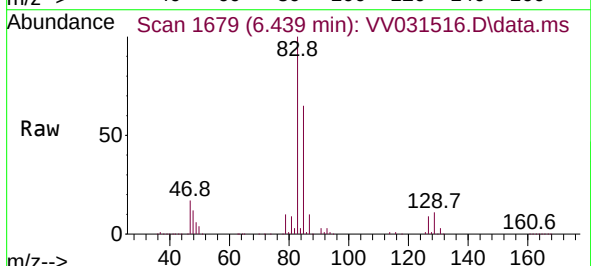
Tgt Ion: 83 Resp: 676419

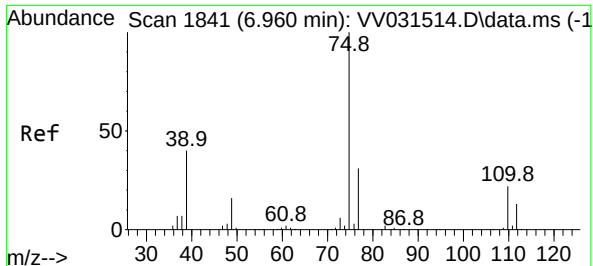
Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

127 9.7 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 297.028 ug/L

RT: 6.957 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

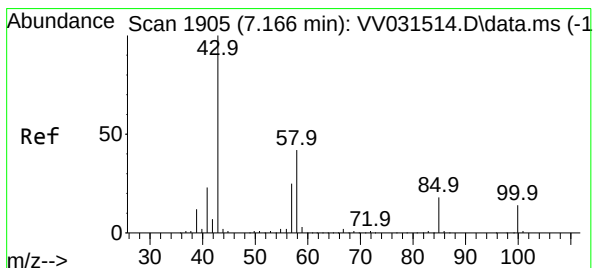
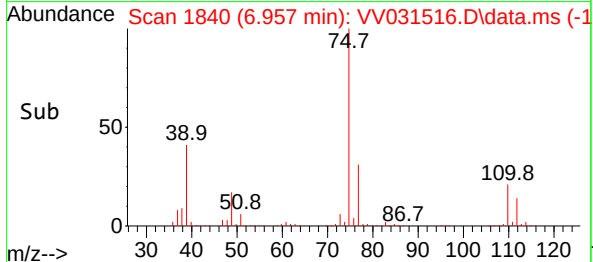
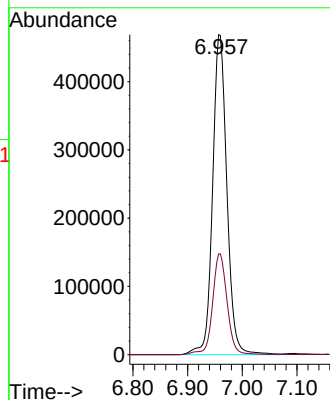
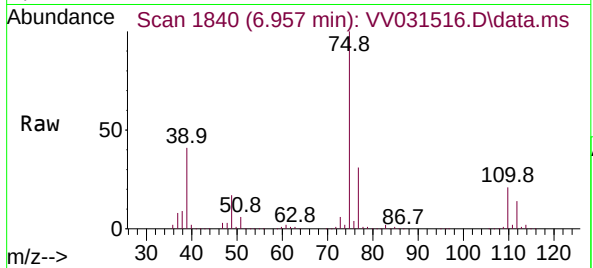
VSTD200237

Tgt Ion: 75 Resp: 849778

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 489.860 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

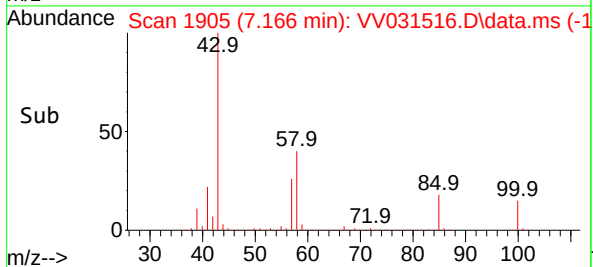
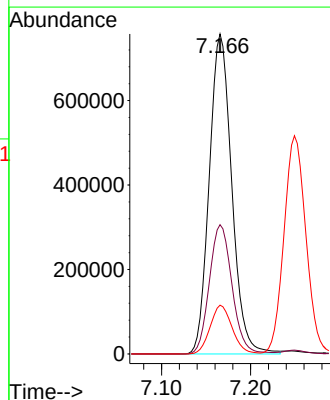
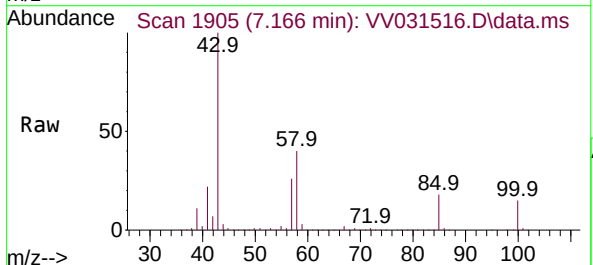
Tgt Ion: 43 Resp: 1326057

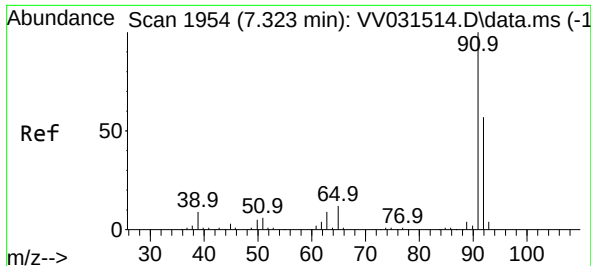
Ion Ratio Lower Upper

43 100

58 40.8 31.8 47.8

100 15.0 11.1 16.7





#42

Toluene

Concen: 263.023 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

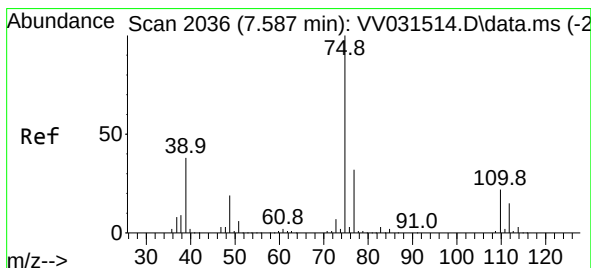
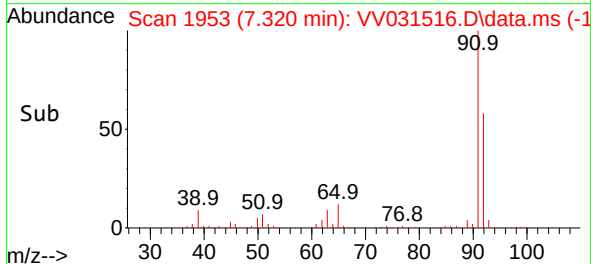
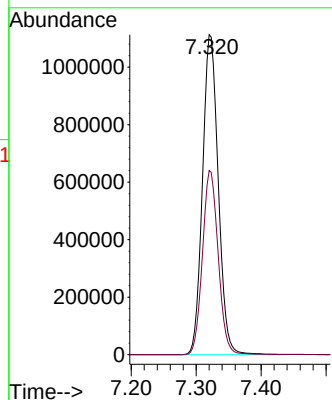
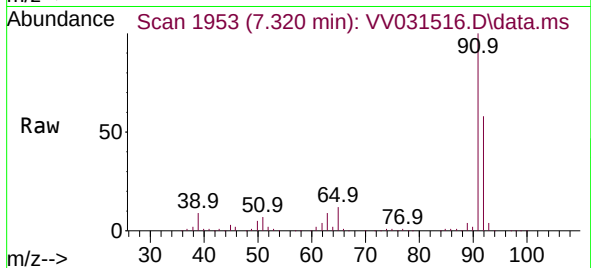
VSTD200237

Tgt Ion: 91 Resp: 1883085

Ion Ratio Lower Upper

91 100

92 57.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 286.324 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031516.D

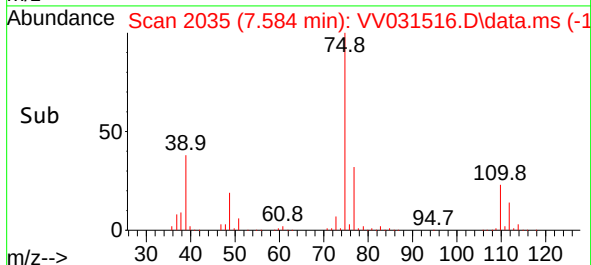
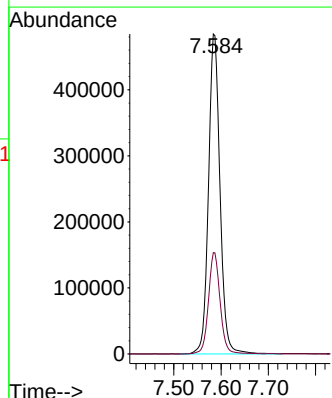
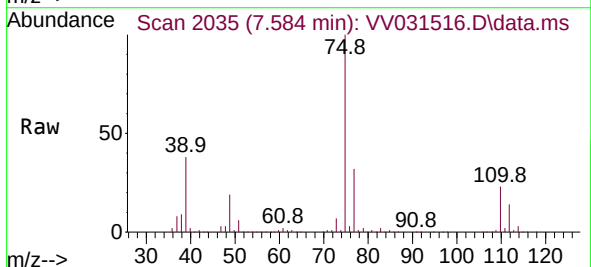
Acq: 14 Jun 2023 15:03

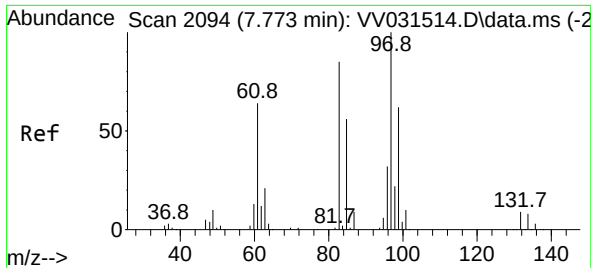
Tgt Ion: 75 Resp: 817375

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



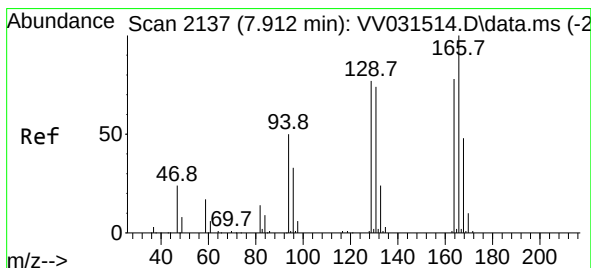
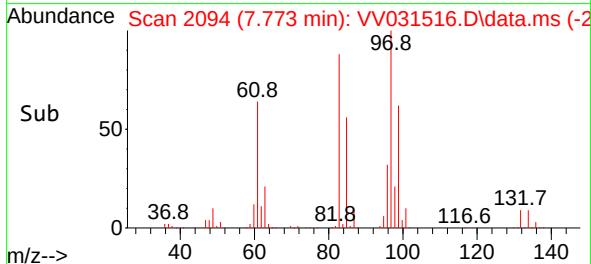
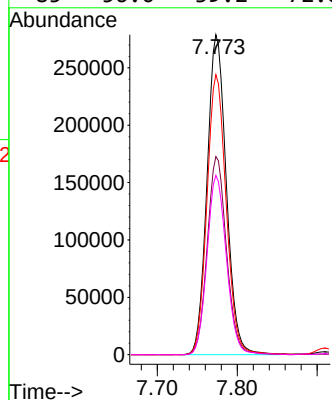
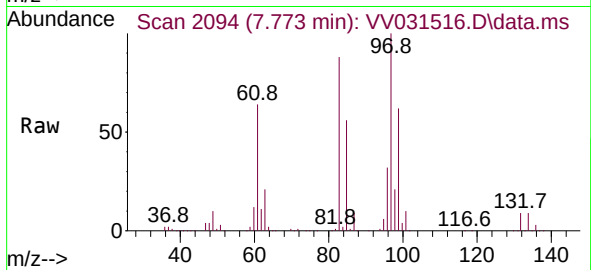


#45
1,1,2-Trichloroethane
Concen: 239.642 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

Tgt Ion: 97 Resp: 469173

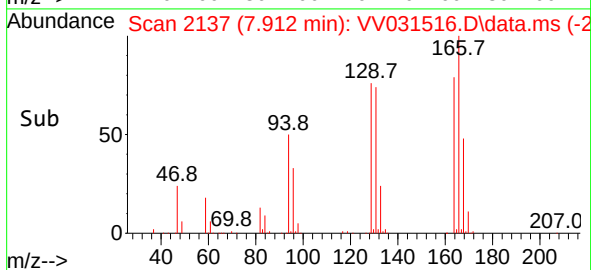
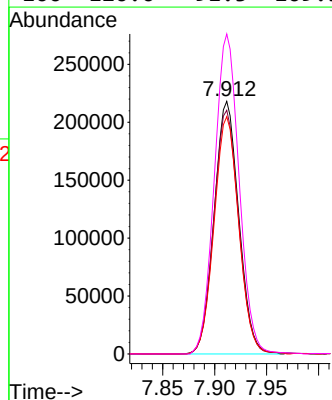
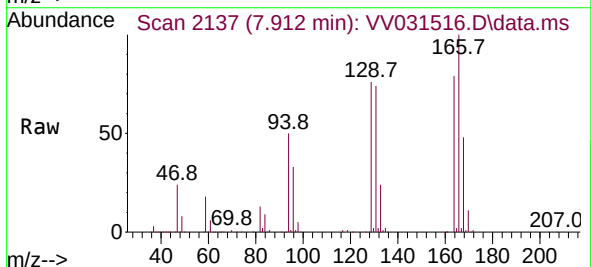
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.7	81.1
83	87.5	60.9	113.1
85	56.0	39.2	72.8

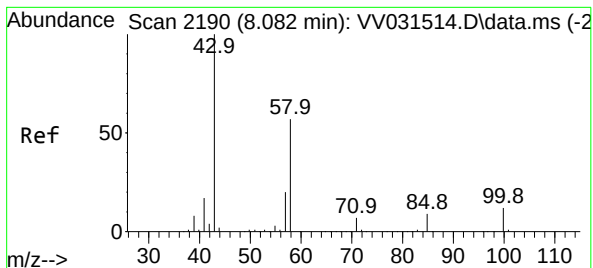


#46
Tetrachloroethene
Concen: 240.101 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 164 Resp: 360157

Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.4	127.0
131	96.1	67.6	125.6
166	126.6	91.3	169.5





#48

2-Hexanone

Concen: 475.465 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

Tgt Ion: 43 Resp: 1055178

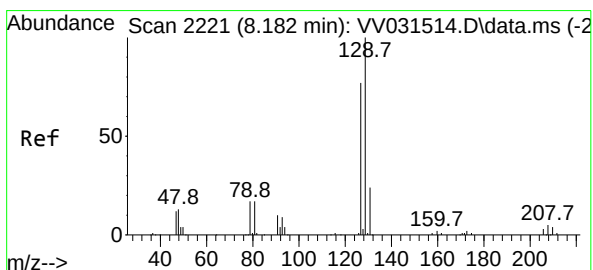
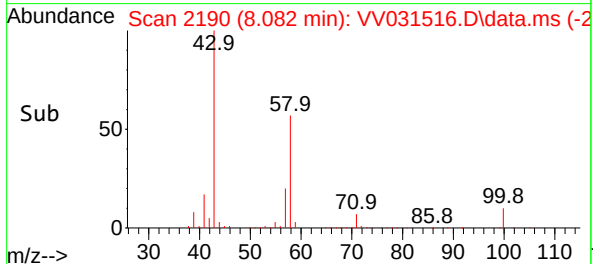
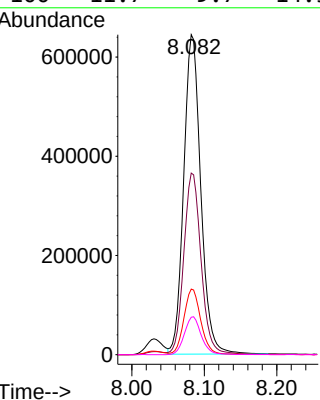
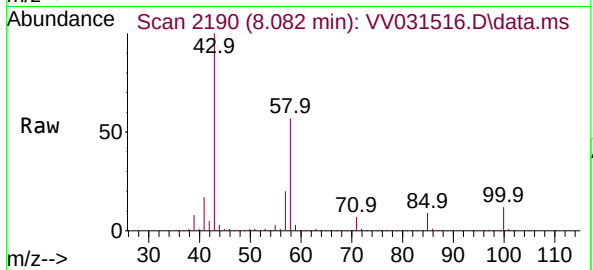
Ion Ratio Lower Upper

43 100

58 57.4 46.7 70.1

57 20.4 15.5 23.3

100 11.7 9.7 14.5



#49

Dibromochloromethane

Concen: 244.843 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031516.D

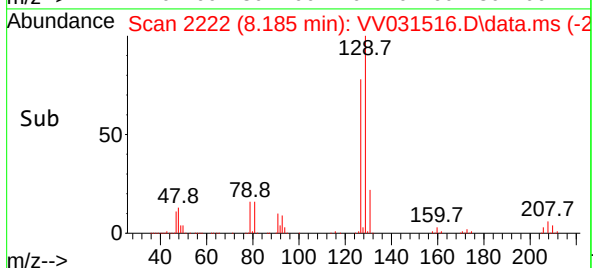
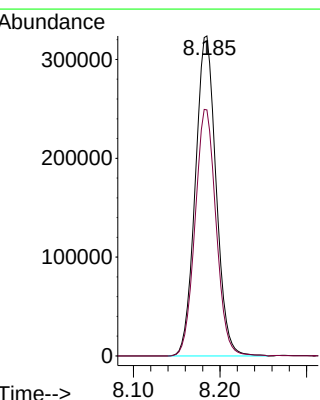
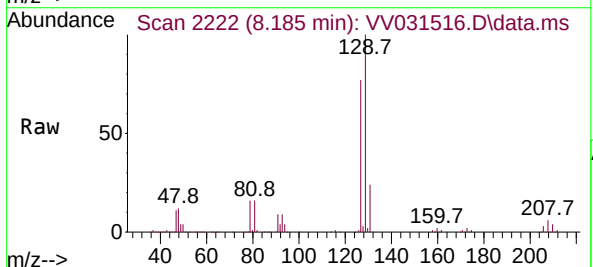
Acq: 14 Jun 2023 15:03

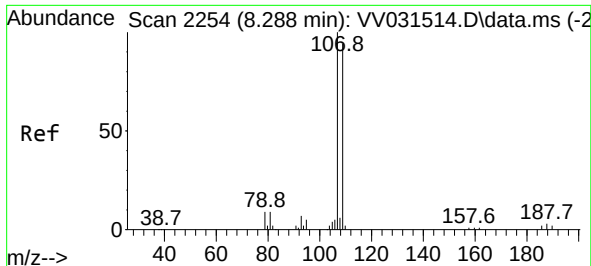
Tgt Ion: 129 Resp: 539688

Ion Ratio Lower Upper

129 100

127 78.3 55.8 103.6





#50

1,2-Dibromoethane

Concen: 256.861 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

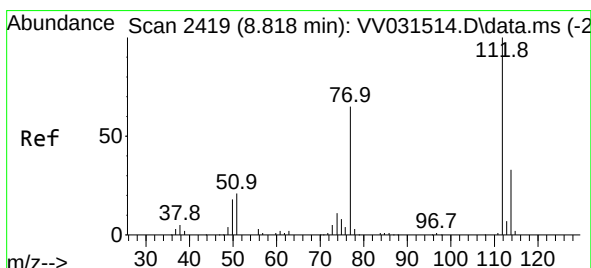
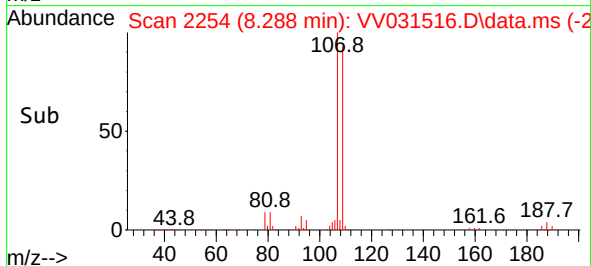
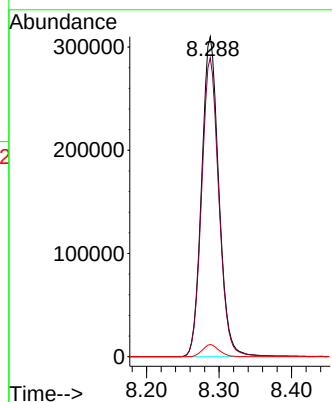
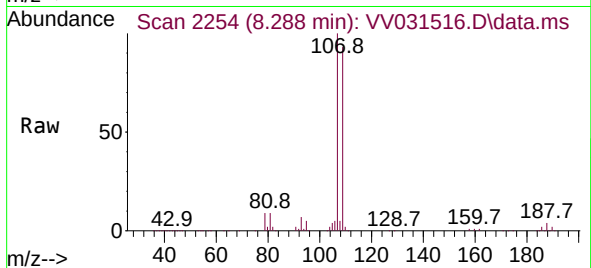
Tgt Ion:107 Resp: 511128

Ion Ratio Lower Upper

107 100

109 93.4 65.7 122.1

188 3.9 2.6 4.0



#51

Chlorobenzene

Concen: 237.487 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

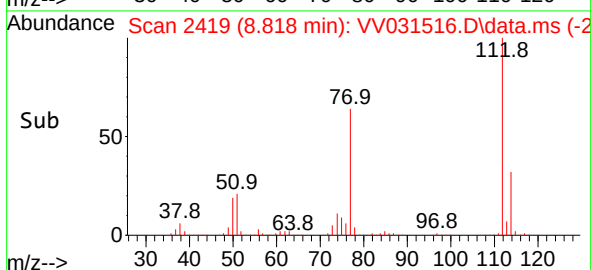
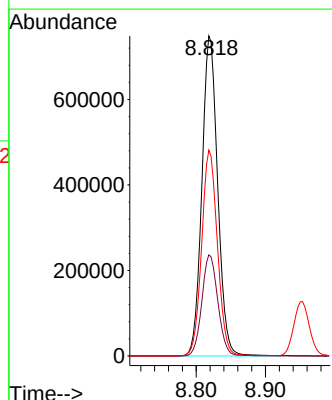
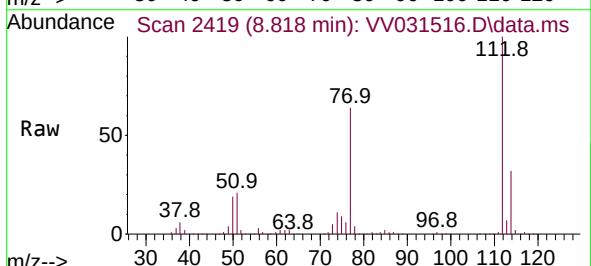
Tgt Ion:112 Resp: 1183011

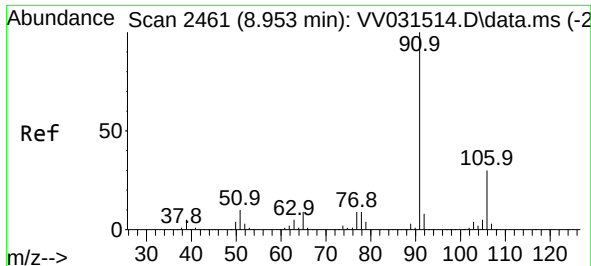
Ion Ratio Lower Upper

112 100

114 31.6 22.9 42.5

77 64.3 52.5 78.7

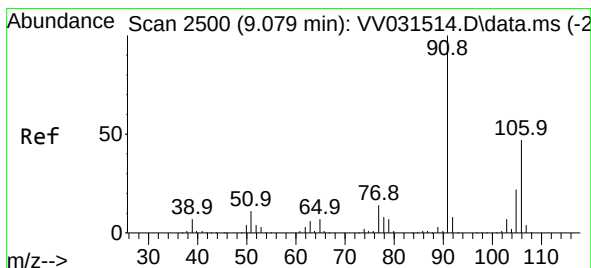
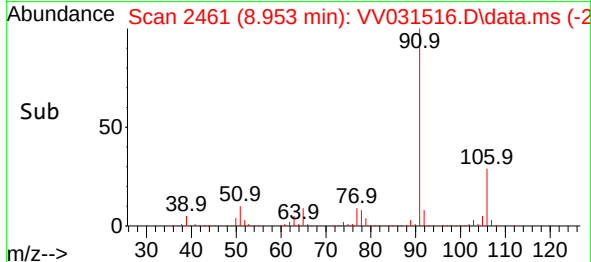
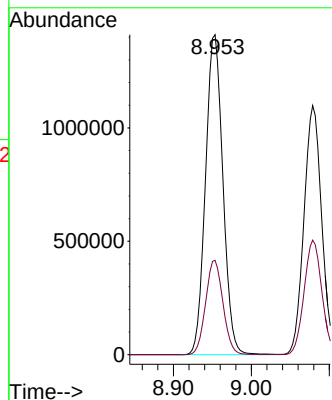
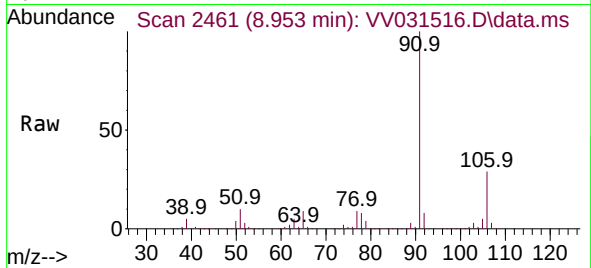




#52
Ethylbenzene
Concen: 268.613 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

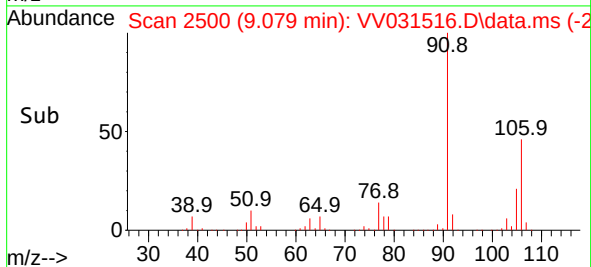
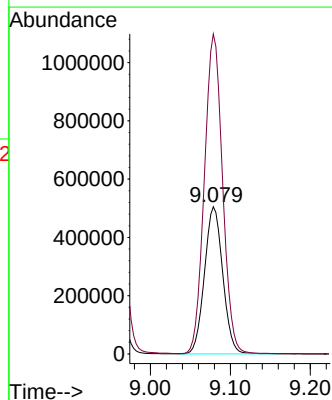
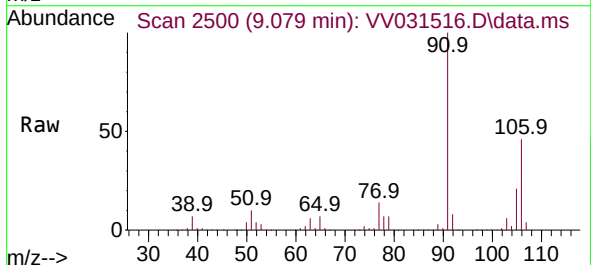
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

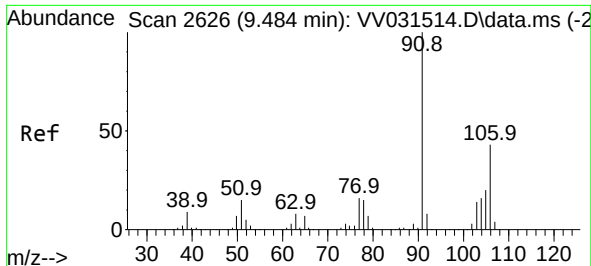
Tgt Ion: 91 Resp: 2189430
Ion Ratio Lower Upper
91 100
106 29.5 20.8 38.6



#53
m,p-Xylene
Concen: 256.624 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion:106 Resp: 802290
Ion Ratio Lower Upper
106 100
91 217.3 149.0 276.6

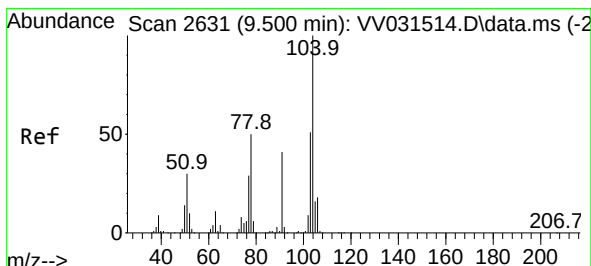
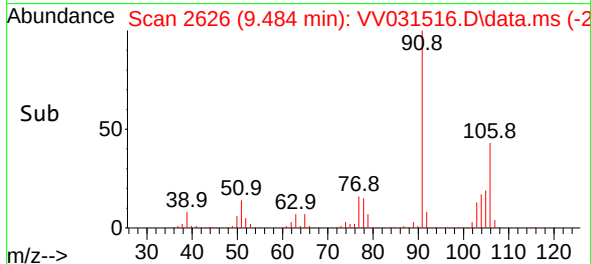
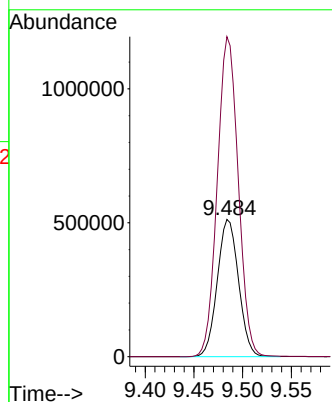
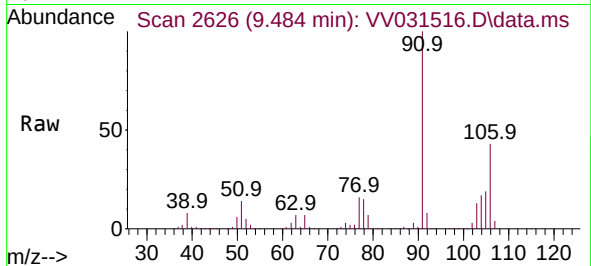




#54
o-Xylene
Concen: 254.365 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

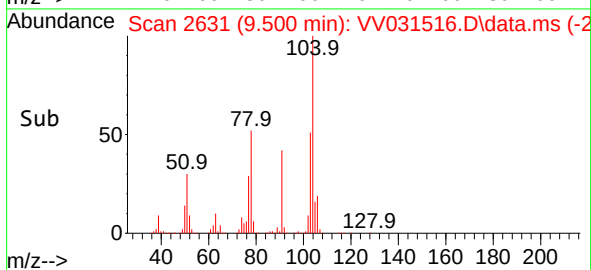
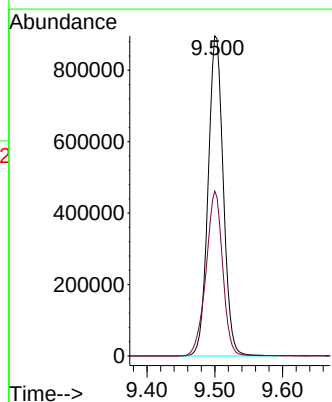
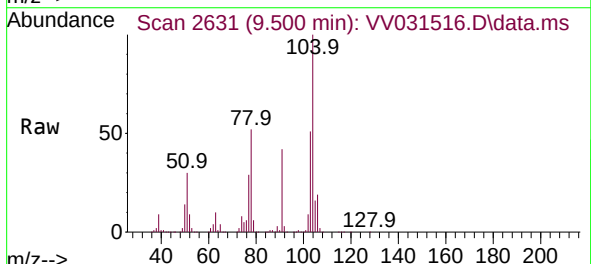
Instrument : MSVOA_V
ClientSampleId : VSTD200237

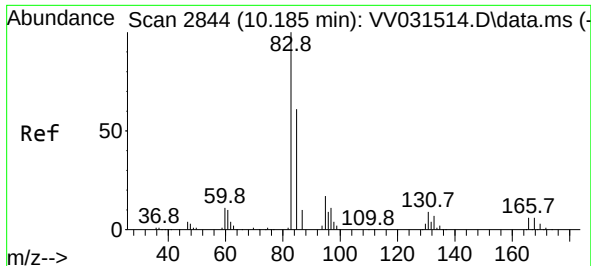
Tgt Ion:106 Resp: 777668
Ion Ratio Lower Upper
106 100
91 233.2 161.3 299.7



#55
Styrene
Concen: 256.967 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion:104 Resp: 1395586
Ion Ratio Lower Upper
104 100
78 51.5 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 246.579 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

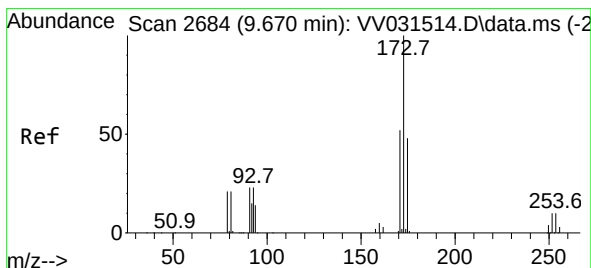
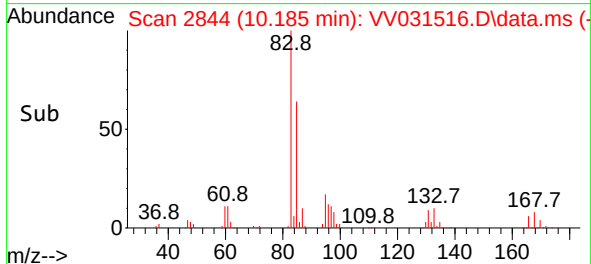
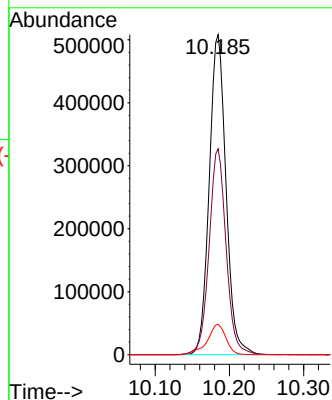
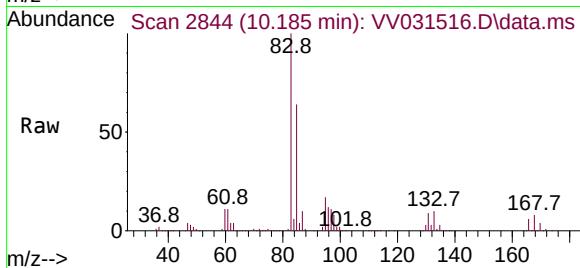
Tgt Ion: 83 Resp: 795396

Ion Ratio Lower Upper

83 100

85 64.3 43.1 80.1

131 12.6 10.6 16.0



#59

Bromoform

Concen: 225.073 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

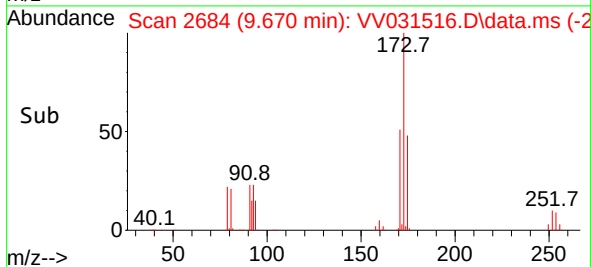
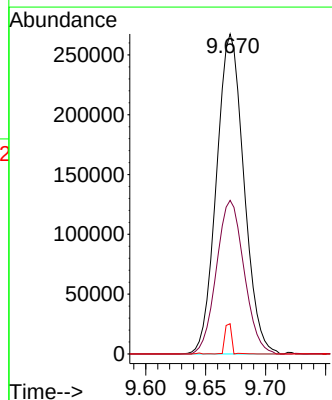
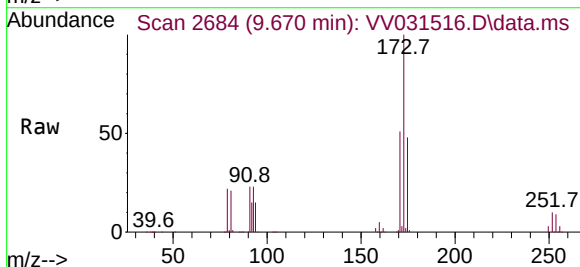
Tgt Ion: 173 Resp: 424928

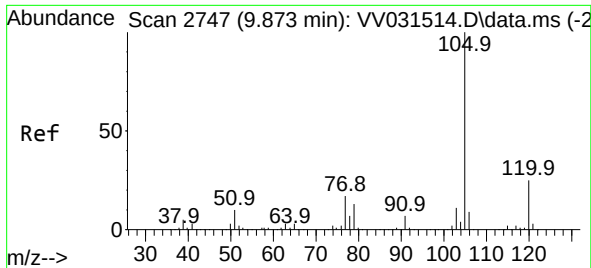
Ion Ratio Lower Upper

173 100

175 48.3 37.7 56.5

254 2.2 0.1 0.1#

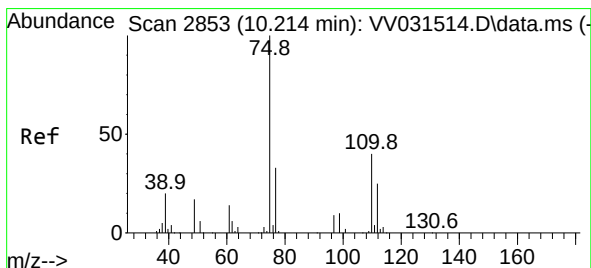
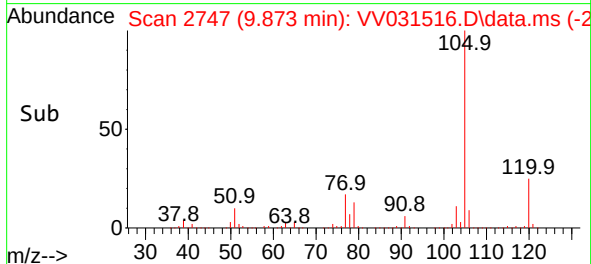
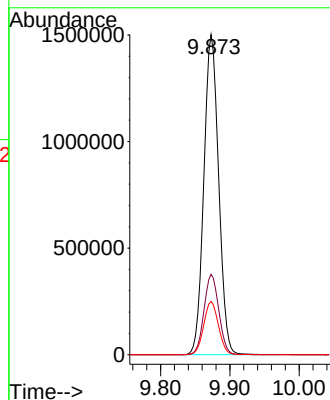
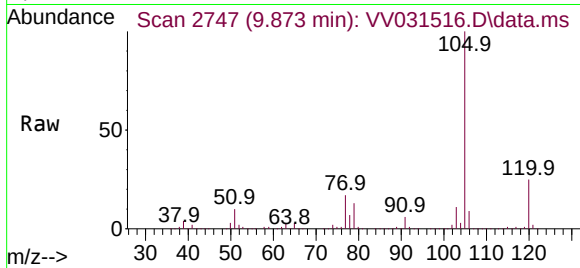




#60
Isopropylbenzene
Concen: 250.099 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

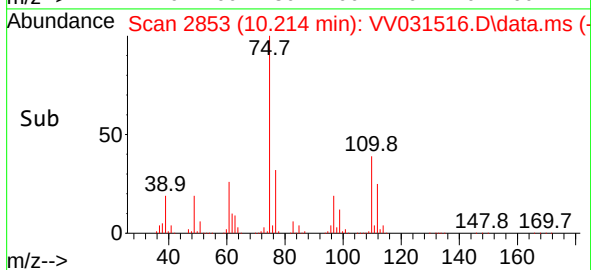
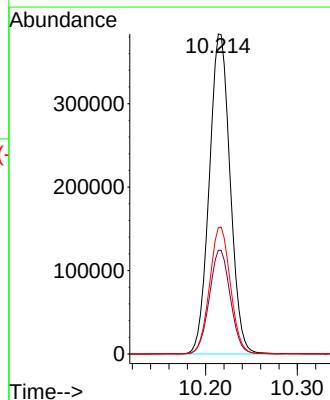
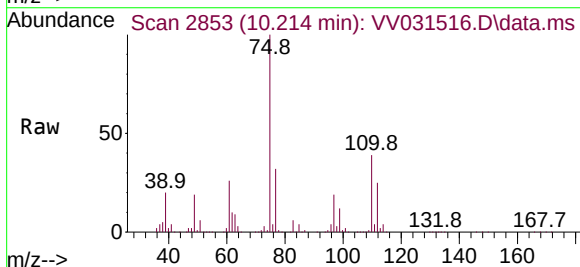
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

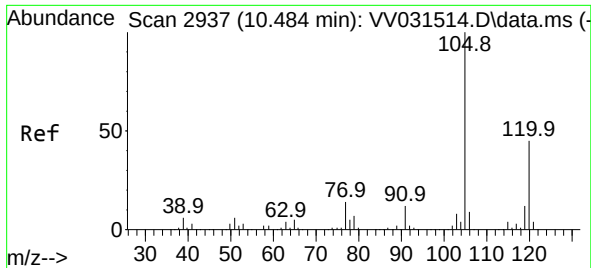
Tgt Ion:105 Resp: 2221389
Ion Ratio Lower Upper
105 100
120 25.1 20.2 30.2
77 16.6 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 236.733 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 75 Resp: 606201
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
110 39.7 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 260.548 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

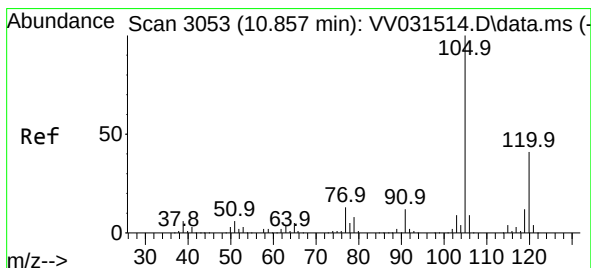
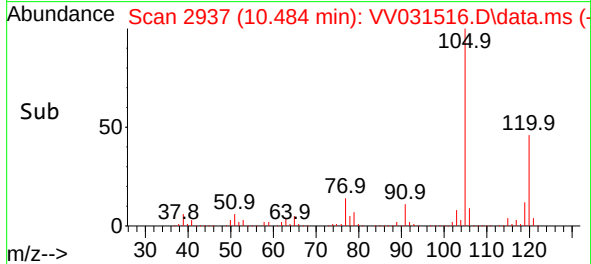
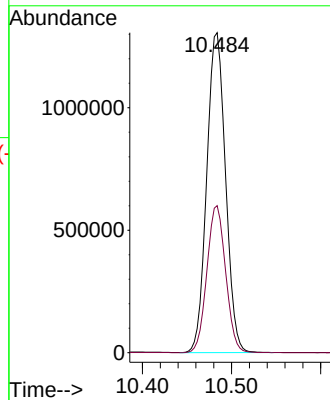
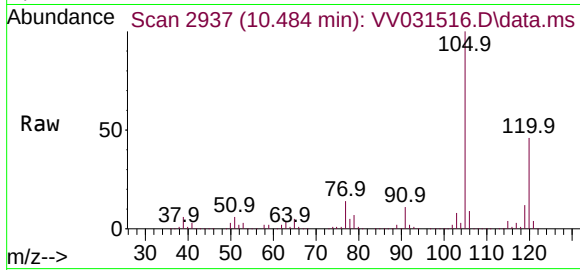
VSTD200237

Tgt Ion:105 Resp: 1912278

Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 252.661 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031516.D

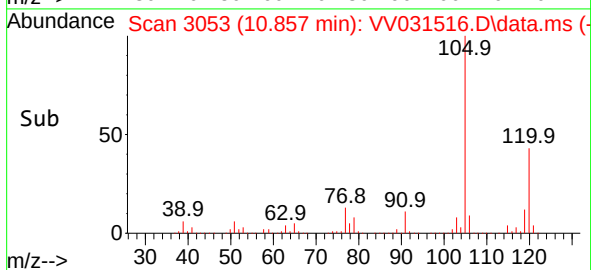
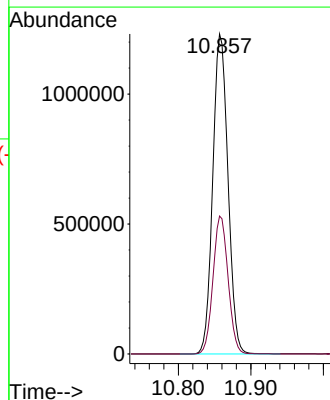
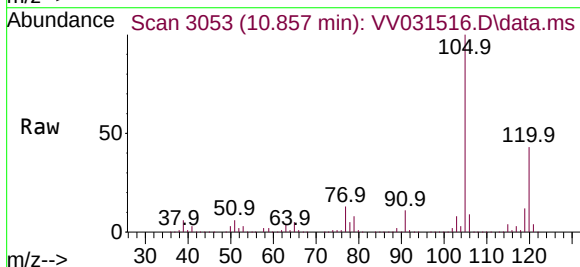
Acq: 14 Jun 2023 15:03

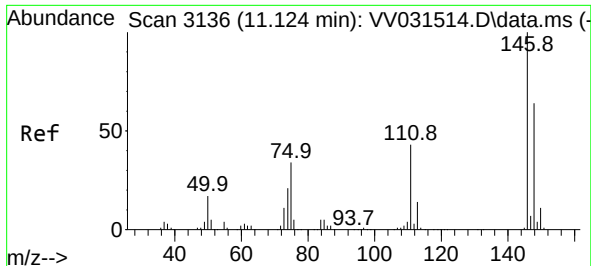
Tgt Ion:105 Resp: 1791703

Ion Ratio Lower Upper

105 100

120 42.8 33.4 50.2

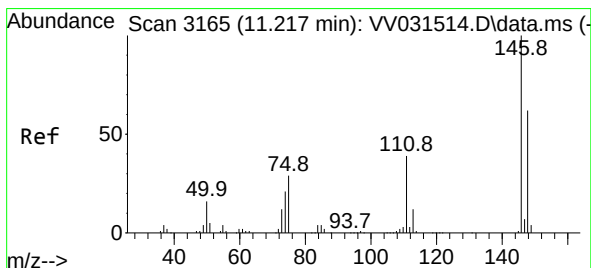
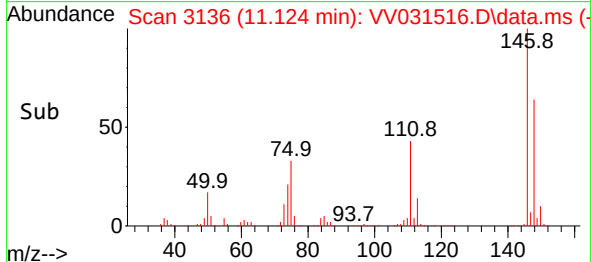
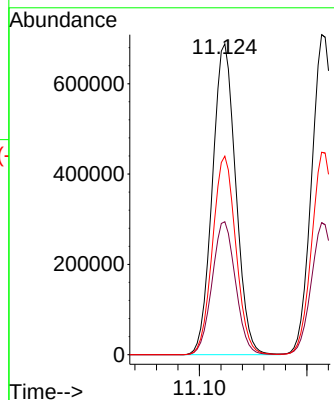
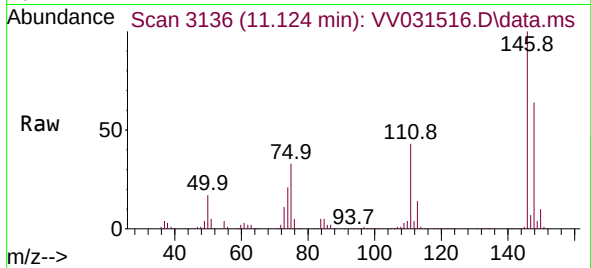




#64
1,3-Dichlorobenzene
Concen: 232.016 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

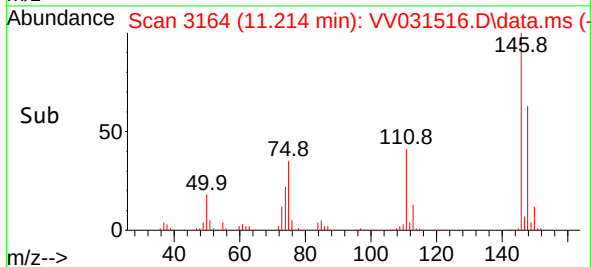
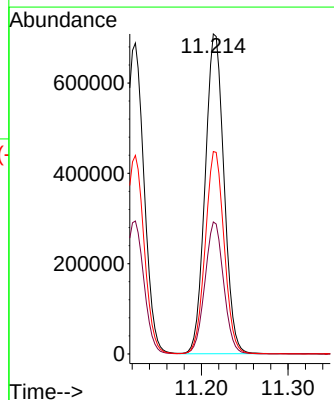
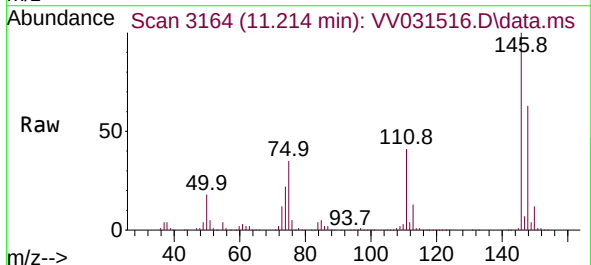
Instrument :
MSVOA_V
ClientSampleId :
VSTD200237

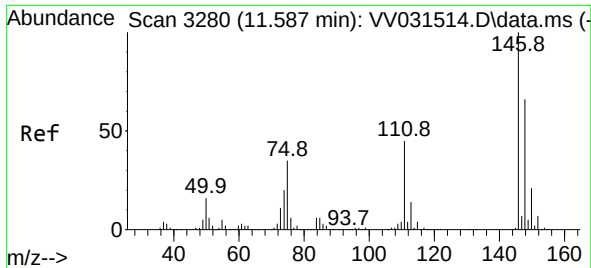
Tgt Ion:146 Resp: 1040650
Ion Ratio Lower Upper
146 100
111 42.8 30.4 56.5
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 229.027 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031516.D
Acq: 14 Jun 2023 15:03

Tgt Ion:146 Resp: 1069228
Ion Ratio Lower Upper
146 100
111 41.3 27.9 51.7
148 63.3 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 230.743 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD200237

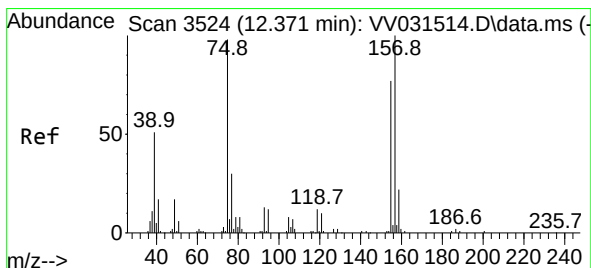
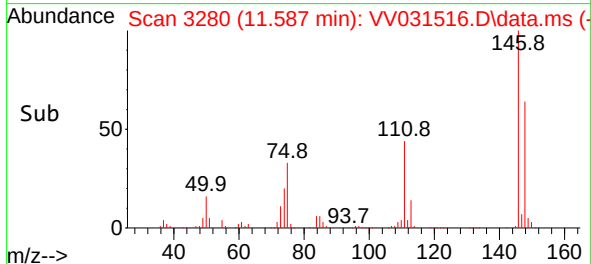
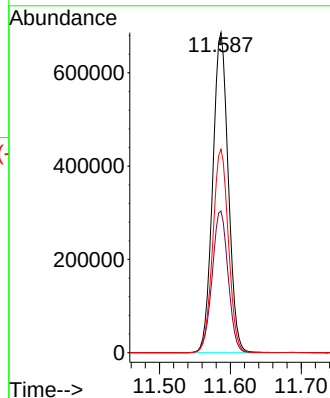
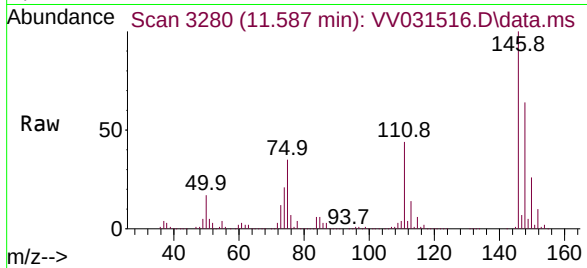
Tgt Ion:146 Resp: 1045235

Ion Ratio Lower Upper

146 100

111 44.3 35.9 53.9

148 63.6 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 242.326 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

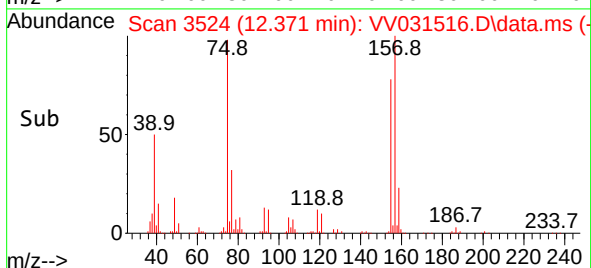
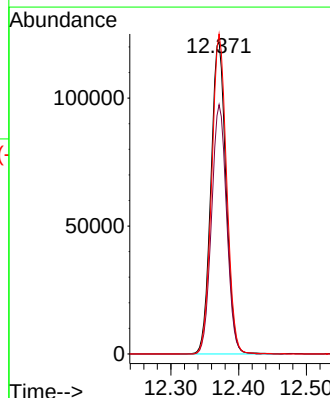
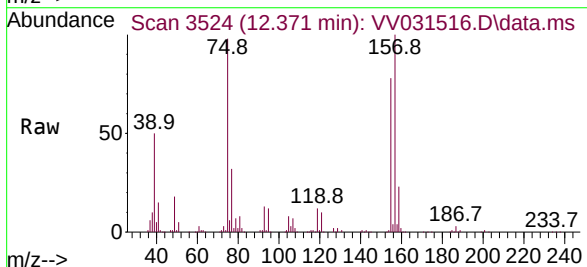
Tgt Ion: 75 Resp: 189999

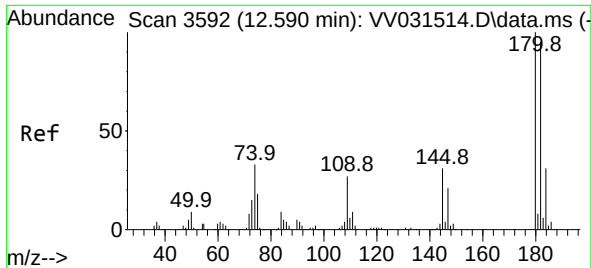
Ion Ratio Lower Upper

75 100

155 79.9 63.2 94.8

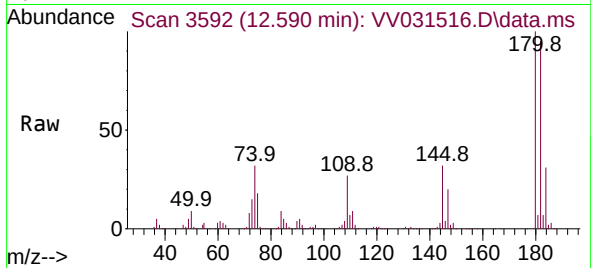
157 102.5 85.3 127.9



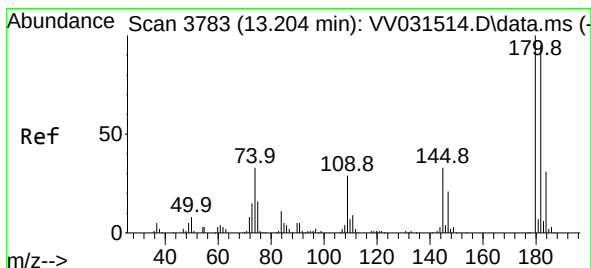
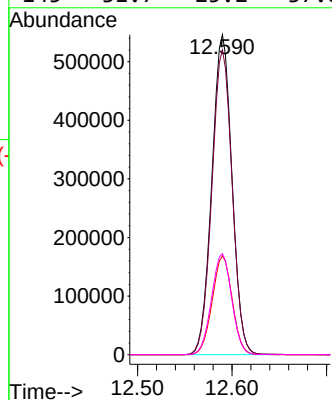
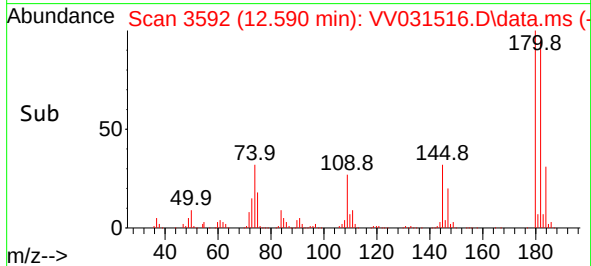


#69
 1,3,5-Trichlorobenzene
 Concen: 233.548 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03

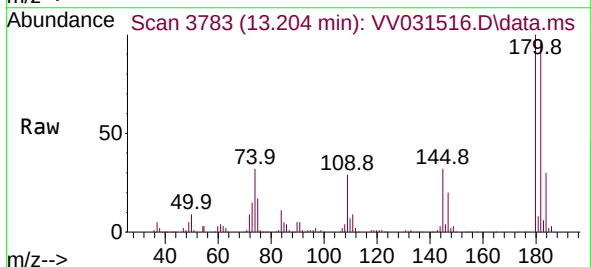
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200237



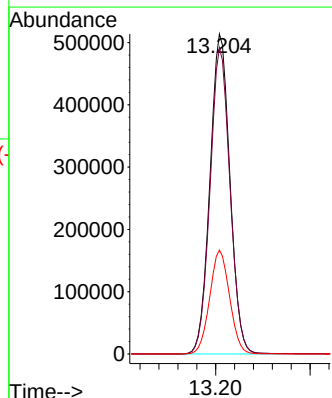
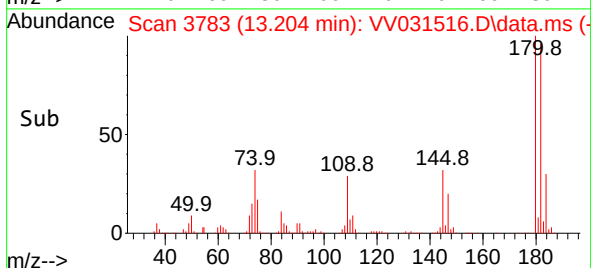
Tgt Ion:180 Resp: 807702
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 184 30.7 24.7 37.1
 145 31.7 25.2 37.8

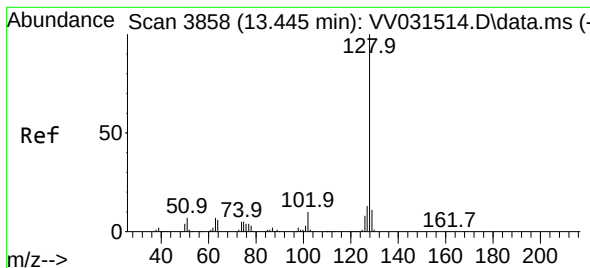


#70
 1,2,4-trichlorobenzene
 Concen: 256.120 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031516.D
 Acq: 14 Jun 2023 15:03



Tgt Ion:180 Resp: 753053
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.7 116.5
 145 32.3 26.1 39.1





#71

Naphthalene

Concen: 265.761 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Instrument :

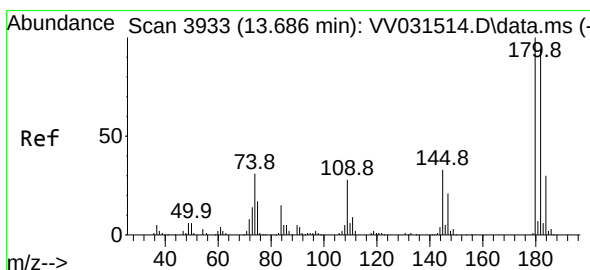
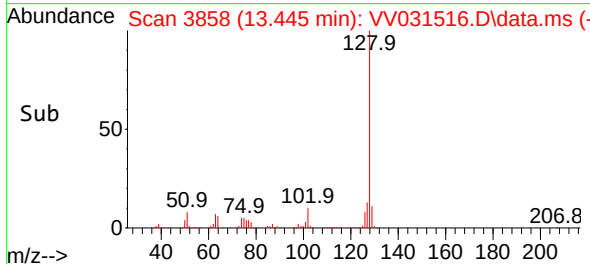
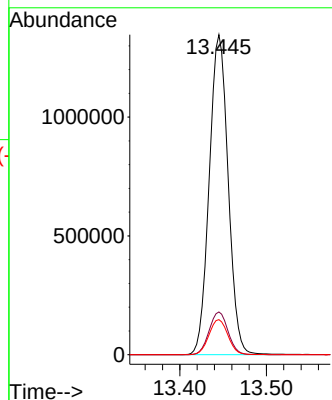
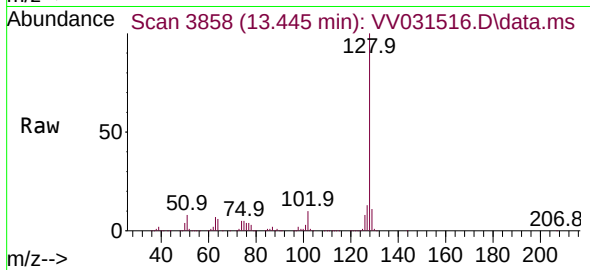
MSVOA_V

ClientSampleId :

VSTD200237

Tgt Ion:128 Resp: 2042044

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.0	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 248.194 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031516.D

Acq: 14 Jun 2023 15:03

Tgt Ion:180 Resp: 739872

Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.0	111.0
145	34.3	26.2	39.2

