

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053023\
 Data File : VW031266.D
 Acq On : 30 May 2023 14:22
 Operator : SY/MD
 Sample : VSTD0.547
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5247

Quant Time: May 31 04:54:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 04:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	104876	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	105393	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	49661	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	3925	0.352	ug/L	0.00
7) Chloroethane-d5	1.535	69	4506	0.496	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	2177	0.460	ug/L	0.00
20) 2-Butanone-d5	3.866	46	5114	1.968	ug/L	0.05
24) Chloroform-d	4.265	84	10004	0.442	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.963	65	4794	0.421	ug/L	0.00
32) Benzene-d6	4.969	84	15700	0.363	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.001	67	5645	0.386	ug/L	0.00
41) Toluene-d8	7.252	98	12591	0.334	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.571	79	1591	0.340	ug/L	0.00
46) 2-Hexanone-d5	8.043	63	5427	2.724	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	4410	0.416	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	4505	0.387	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	9337	0.767	ug/L	100
3) Chloromethane	1.217	50	8632	0.653	ug/L	97
5) Vinyl chloride	1.285	62	8300	0.651	ug/L	100
6) Bromomethane	1.490	94	4844	0.733	ug/L	99
8) Chloroethane	1.555	64	5554	0.791	ug/L	96
9) Trichlorofluoromethane	1.715	101	12632	0.711	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	7519	0.792	ug/L	99
12) 1,1-Dichloroethene	2.076	96	6302	0.811	ug/L #	78
13) Acetone	2.146	43	12906	6.568	ug/L	99
14) Carbon disulfide	2.246	76	17842	0.762	ug/L	99
15) Methyl Acetate	2.394	43	1112	0.276	ug/L #	75
16) Methylene chloride	2.455	84	11404	0.965	ug/L	96
17) Methyl tert-butyl Ether	2.709	73	12226	0.599	ug/L #	92
18) trans-1,2-Dichloroethene	2.703	96	5672	0.680	ug/L	86
19) 1,1-Dichloroethane	3.121	63	12770	0.635	ug/L	97
21) 2-Butanone	3.937	43	3794	1.492	ug/L	82
22) cis-1,2-Dichloroethene	3.828	96	5725	0.608	ug/L	92
23) Bromochloromethane	4.165	128	2559	0.615	ug/L	84
25) Chloroform	4.288	83	12589	0.608	ug/L	93
27) 1,2-Dichloroethane	5.059	62	6540	0.562	ug/L #	88
29) 1,1,1-Trichloroethane	4.519	97	10965	0.556	ug/L	96
30) Cyclohexane	4.587	56	9157	0.574	ug/L	97
31) Carbon tetrachloride	4.741	117	10148	0.592	ug/L	92
33) Benzene	5.024	78	22243	0.551	ug/L	100
34) Trichloroethene	5.841	95	6646	0.612	ug/L	97
35) Methylcyclohexane	6.053	83	8159	0.532	ug/L	89
37) 1,2-Dichloropropane	6.104	63	5416	0.463	ug/L #	89
38) Bromodichloromethane	6.442	83	8419	0.580	ug/L	99
39) cis-1,3-Dichloropropene	6.969	75	7630	0.548	ug/L	89
40) 4-Methyl-2-pentanone	7.172	43	31462	5.417	ug/L	94
42) Toluene	7.326	91	22324	0.562	ug/L	95
44) trans-1,3-Dichloropropene	7.596	75	5660	0.470	ug/L	99

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

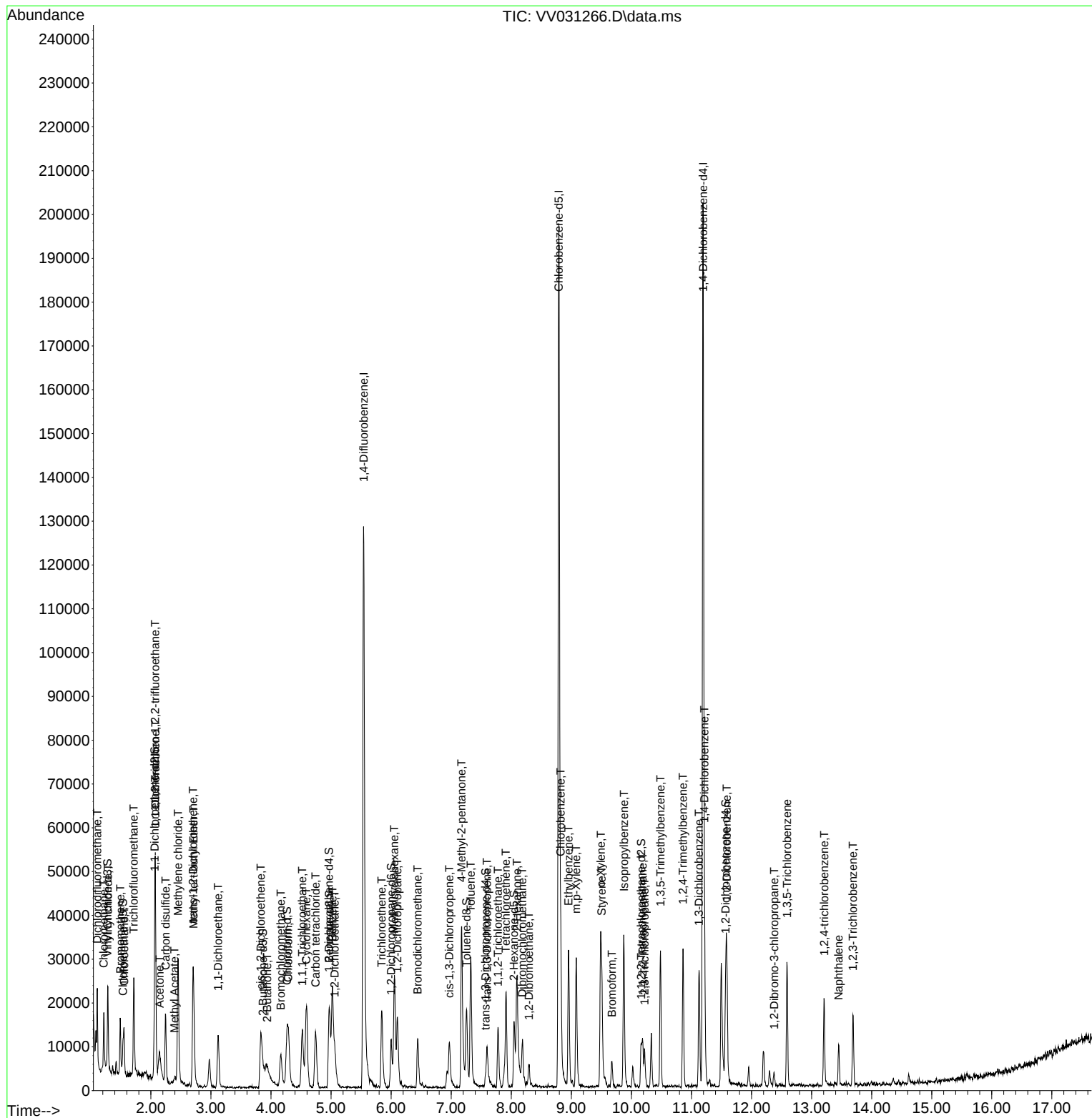
45) 1,1,2-Trichloroethane	7.776	97	4398	0.624	ug/L	90
47) Tetrachloroethene	7.908	164	5045	0.632	ug/L	85
48) 2-Hexanone	8.095	43	17818	3.876	ug/L	98
49) Dibromochloromethane	8.185	129	4745	0.543	ug/L	94
50) 1,2-Dibromoethane	8.294	107	3990	0.591	ug/L #	99
51) Chlorobenzene	8.821	112	14845	0.569	ug/L	95
52) Ethylbenzene	8.953	91	21543	0.485	ug/L	99
53) m,p-Xylene	9.082	106	7877	0.482	ug/L	94
54) o-Xylene	9.490	106	7145	0.459	ug/L	97
55) Styrene	9.506	104	12019	0.437	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	4957	0.550	ug/L #	97
59) Bromoform	9.673	173	2612	0.630	ug/L #	93
60) Isopropylbenzene	9.876	105	19695	0.528	ug/L	97
61) 1,2,3-Trichloropropane	10.220	75	3579	0.644	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	15790	0.521	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	15405	0.497	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	10425	0.582	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	10278	0.569	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	9845	0.585	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.377	75	828	0.670	ug/L	88
69) 1,3,5-Trichlorobenzene	12.590	180	8165	0.572	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	5341	0.482	ug/L	96
71) Naphthalene	13.451	128	6466	0.390	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	5471	0.575	ug/L #	82

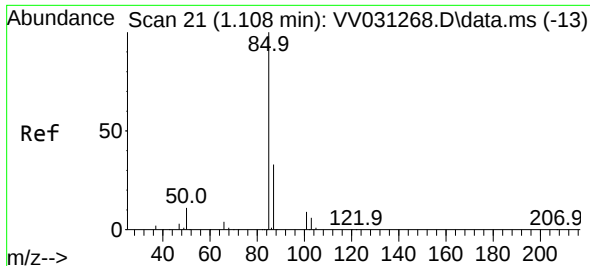
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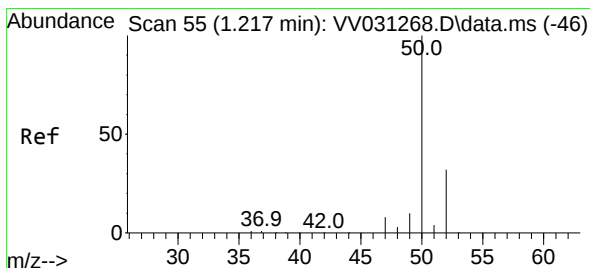
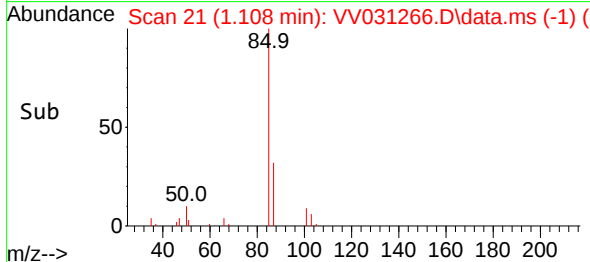
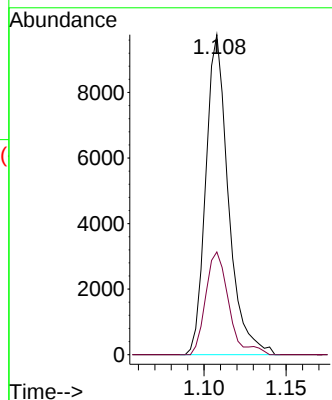
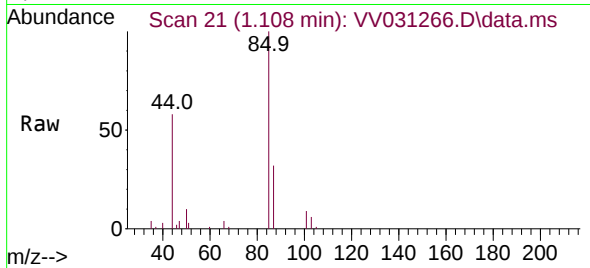




#2
Dichlorodifluoromethane
Concen: 0.767 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

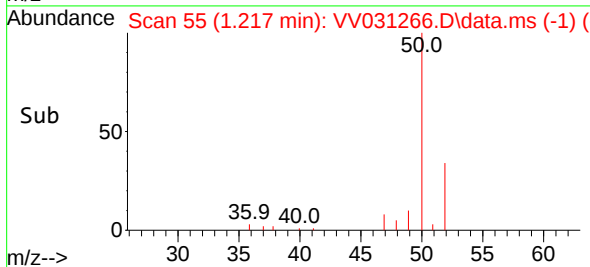
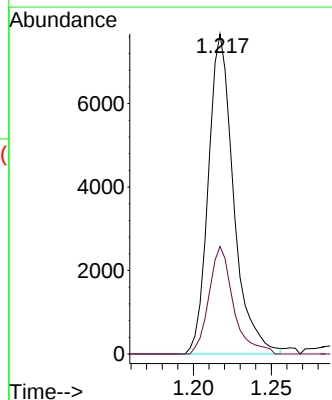
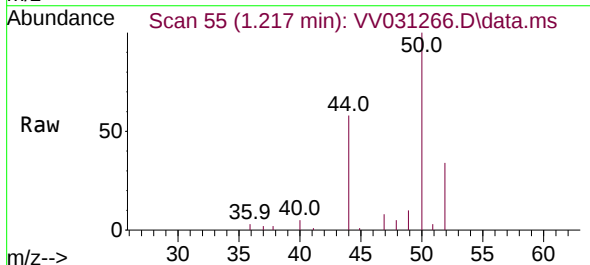
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

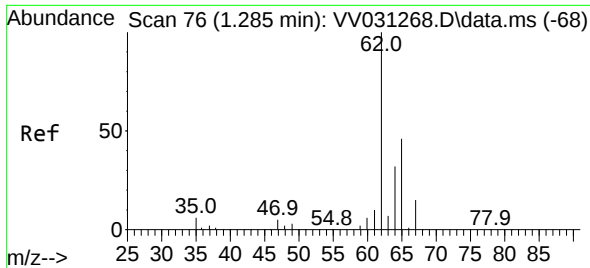
Tgt Ion: 85 Resp: 9337
Ion Ratio Lower Upper
85 100
87 32.8 26.1 39.1



#3
Chloromethane
Concen: 0.653 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 50 Resp: 8632
Ion Ratio Lower Upper
50 100
52 33.6 22.3 41.5

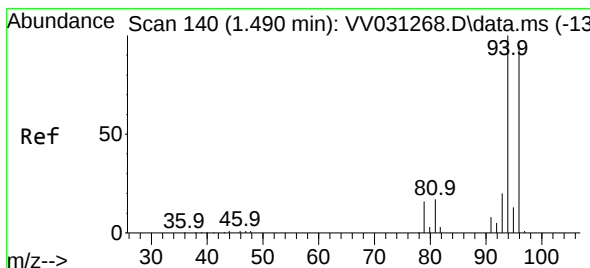
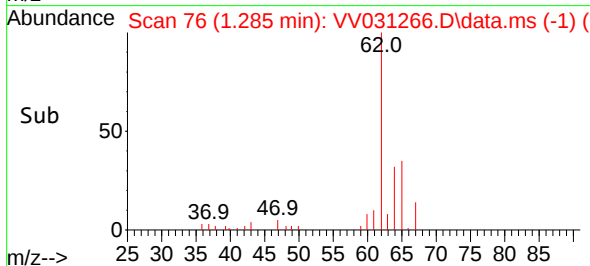
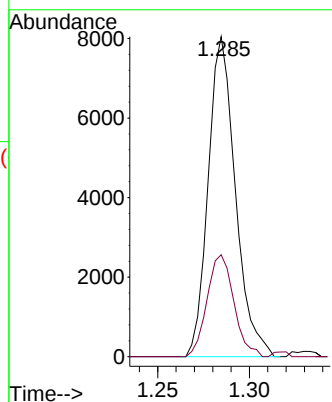
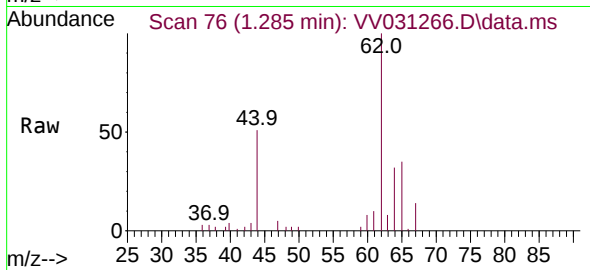




#5
 Vinyl chloride
 Concen: 0.651 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031266.D
 Acq: 30 May 2023 14:22

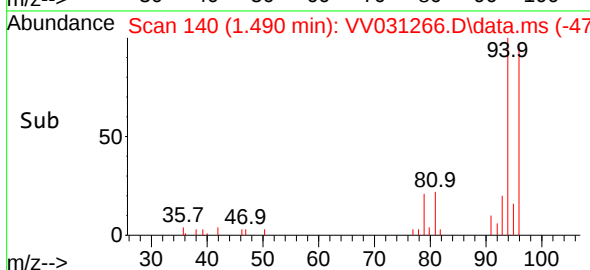
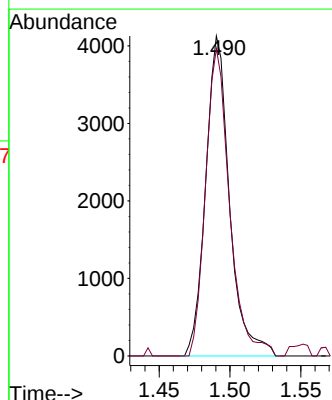
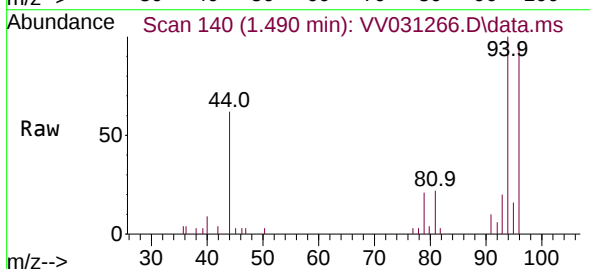
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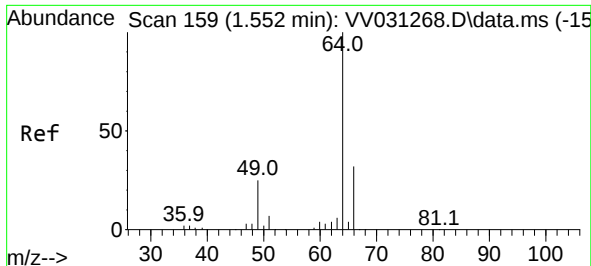
Tgt Ion: 62 Resp: 8300
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.5 41.7



#6
 Bromomethane
 Concen: 0.733 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031266.D
 Acq: 30 May 2023 14:22

Tgt Ion: 94 Resp: 4844
 Ion Ratio Lower Upper
 94 100
 96 96.0 66.3 123.1

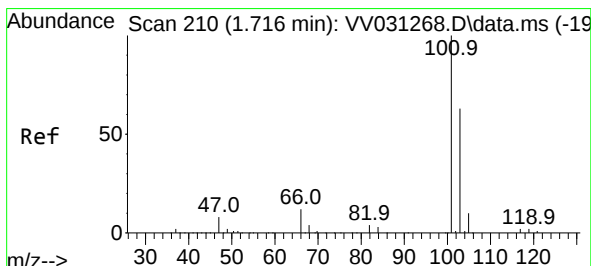
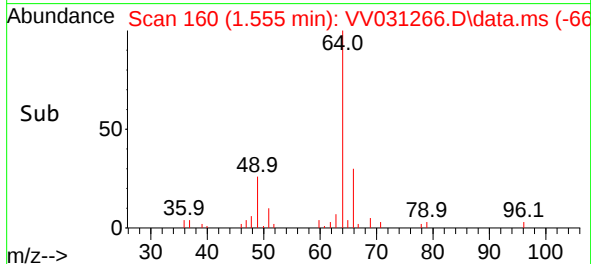
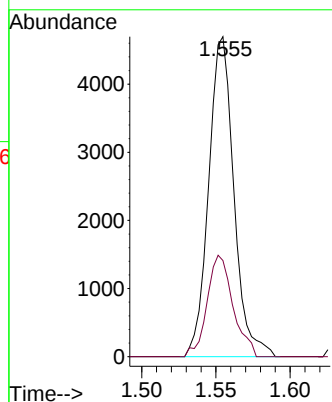
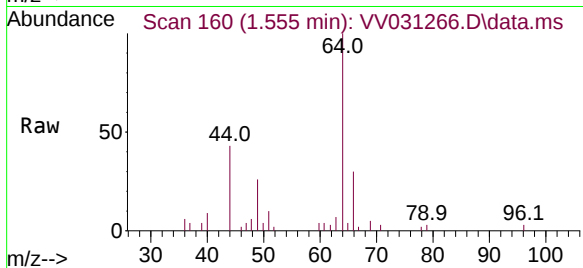




#8
Chloroethane
Concen: 0.791 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

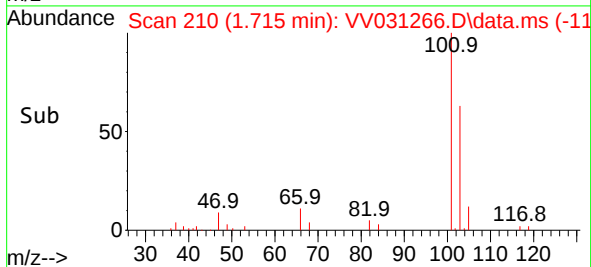
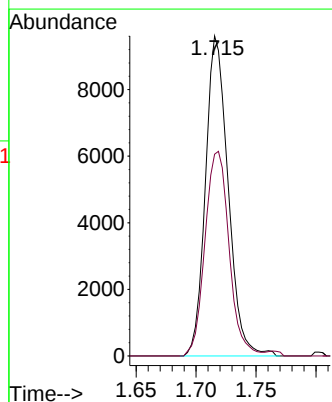
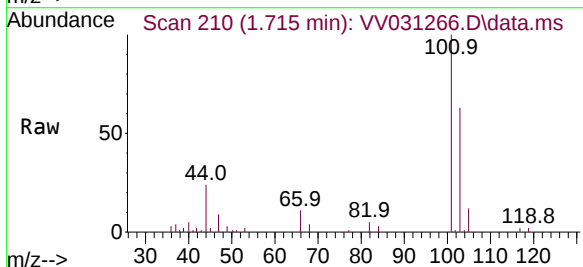
Instrument :
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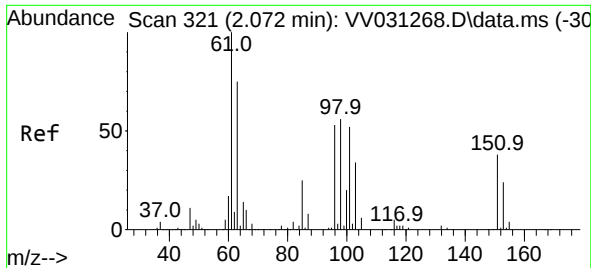
Tgt Ion: 64 Resp: 5554
Ion Ratio Lower Upper
64 100
66 30.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.711 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:101 Resp: 12632
Ion Ratio Lower Upper
101 100
103 68.1 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.792 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

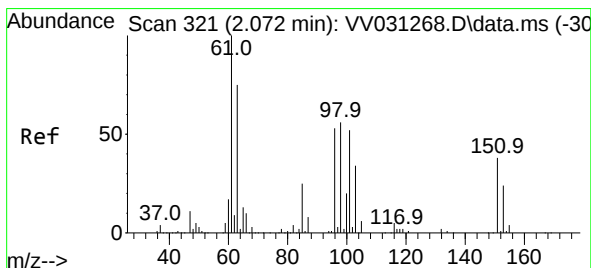
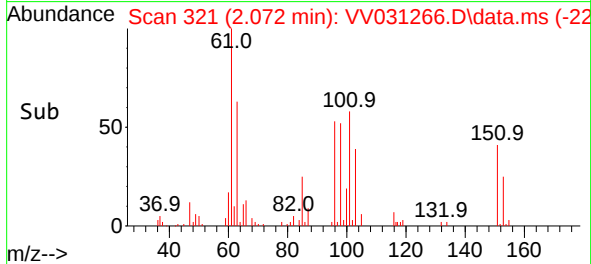
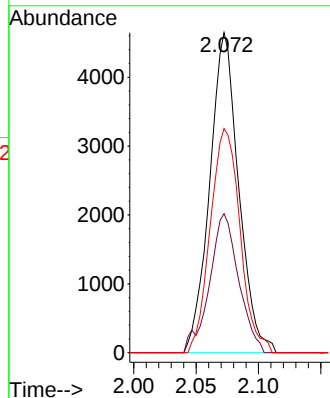
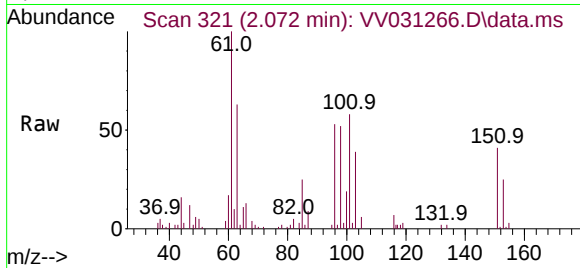
Tgt Ion:101 Resp: 7519

Ion Ratio Lower Upper

101 100

85 43.7 36.6 55.0

151 71.9 57.7 86.5



#12

1,1-Dichloroethene

Concen: 0.811 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

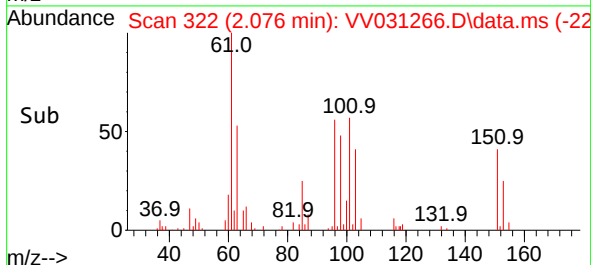
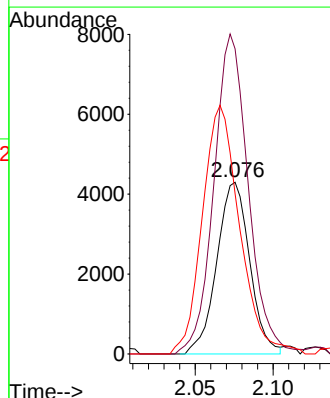
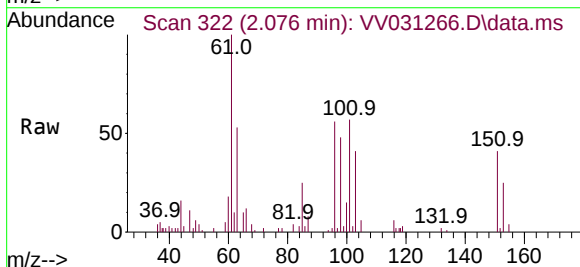
Tgt Ion: 96 Resp: 6302

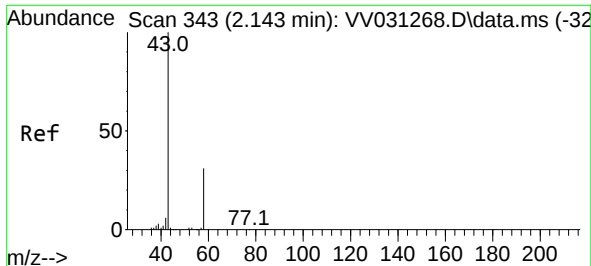
Ion Ratio Lower Upper

96 100

61 177.6 132.9 246.9

63 93.4 100.4 186.6#





#13

Acetone

Concen: 6.568 ug/L

RT: 2.146 min Scan# 343

Delta R.T. 0.003 min

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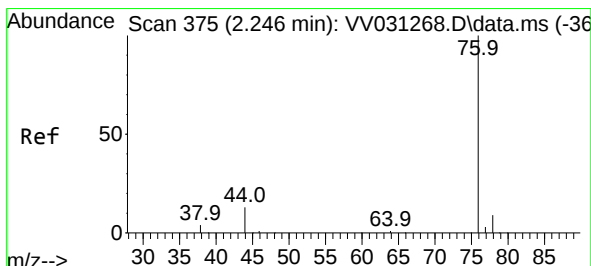
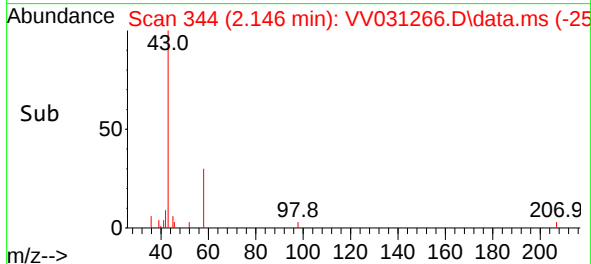
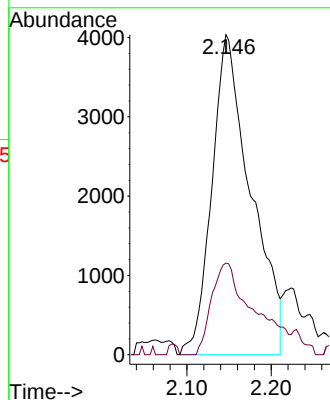
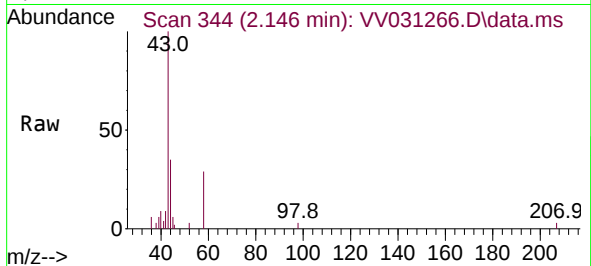
VSTD0.5247

Tgt Ion: 43 Resp: 12906

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0



#14

Carbon disulfide

Concen: 0.762 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031266.D

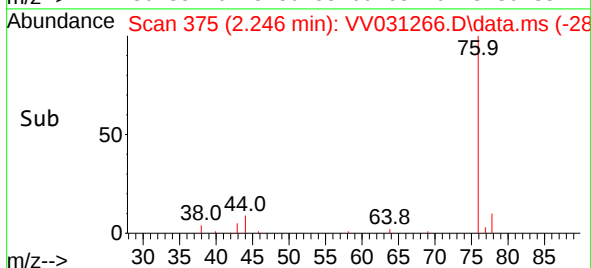
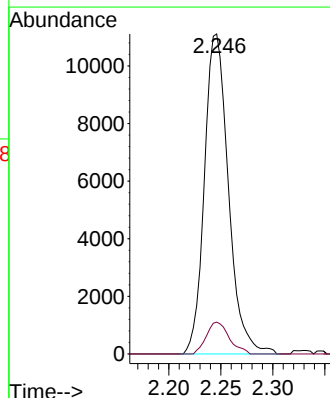
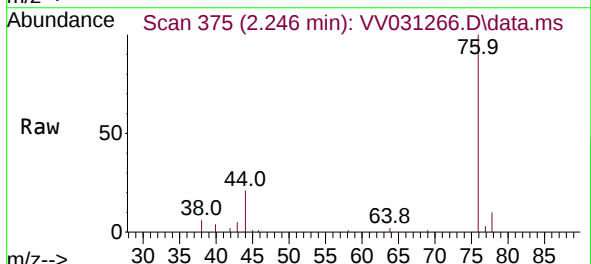
Acq: 30 May 2023 14:22

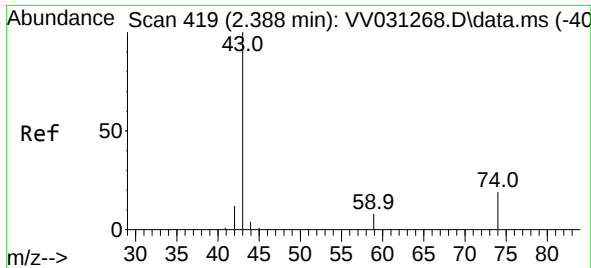
Tgt Ion: 76 Resp: 17842

Ion Ratio Lower Upper

76 100

78 10.0 7.6 11.4

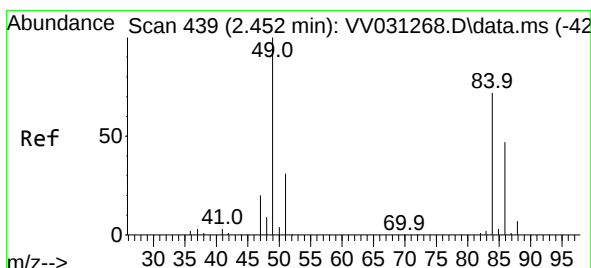
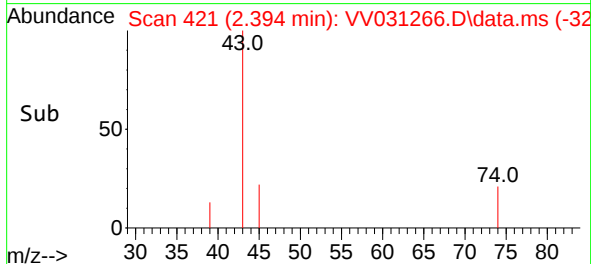
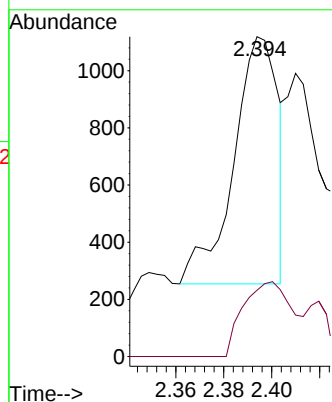
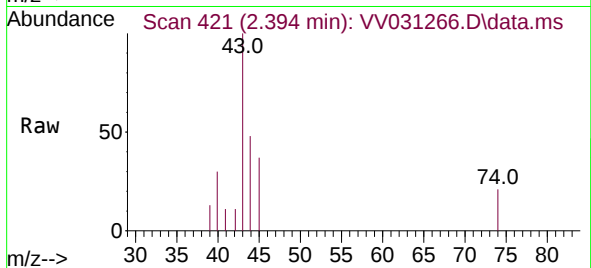




#15
Methyl Acetate
Concen: 0.276 ug/L
RT: 2.394 min Scan# 419
Delta R.T. 0.006 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

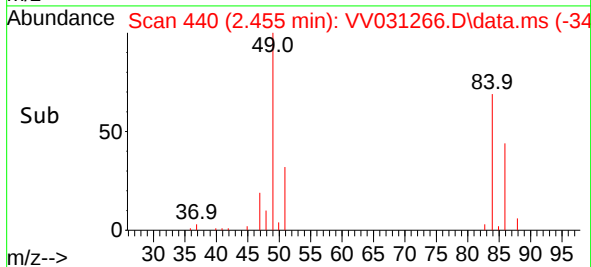
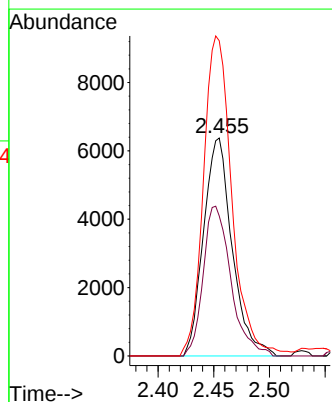
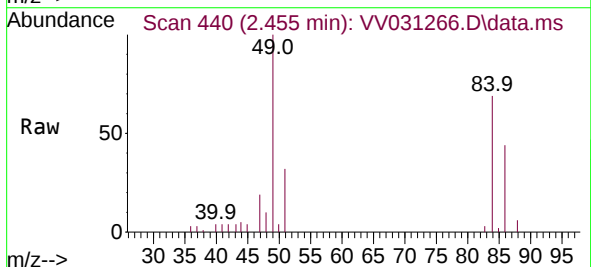
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

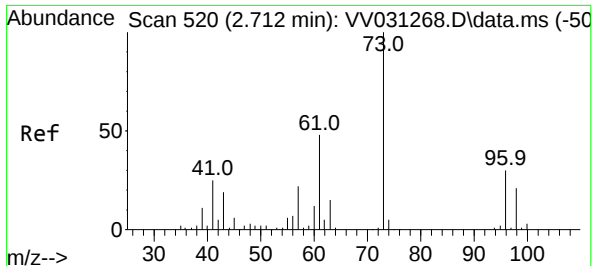
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
74 33.8 17.4 26.2#



#16
Methylene chloride
Concen: 0.965 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 84 Resp: 11404
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.9
49 144.7 97.0 180.2





#17

Methyl tert-butyl Ether

Concen: 0.599 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

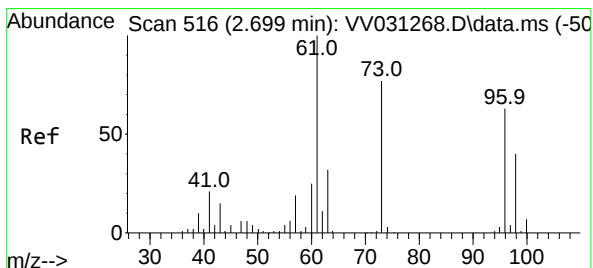
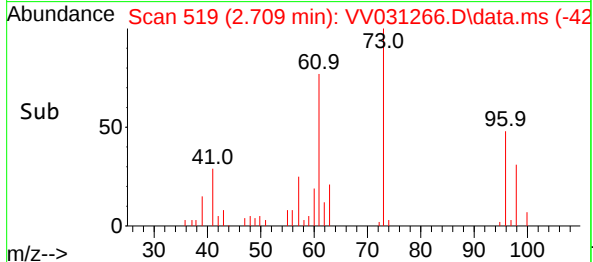
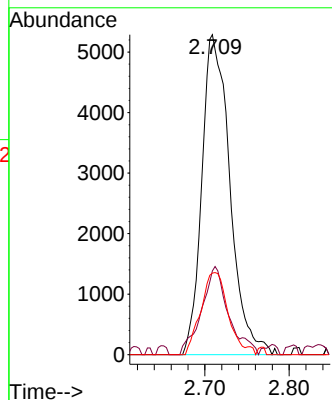
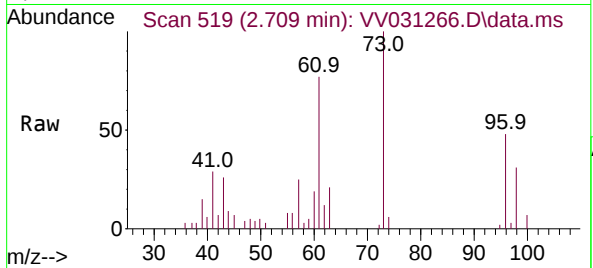
Tgt Ion: 73 Resp: 12226

Ion Ratio Lower Upper

73 100

43 26.4 15.8 23.6#

57 25.1 19.0 28.4



#18

trans-1,2-Dichloroethene

Concen: 0.680 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

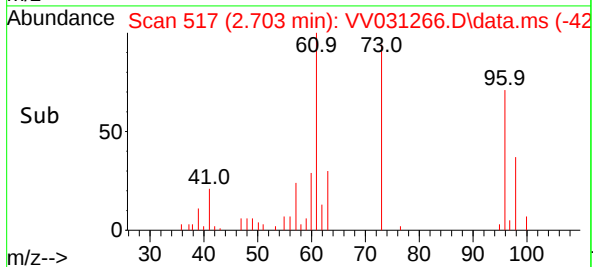
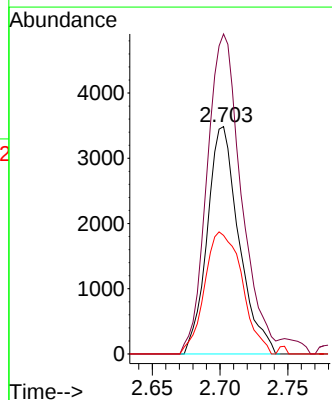
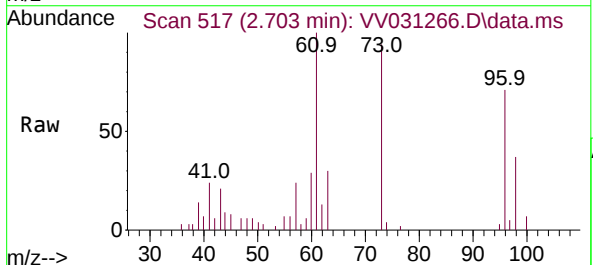
Tgt Ion: 96 Resp: 5672

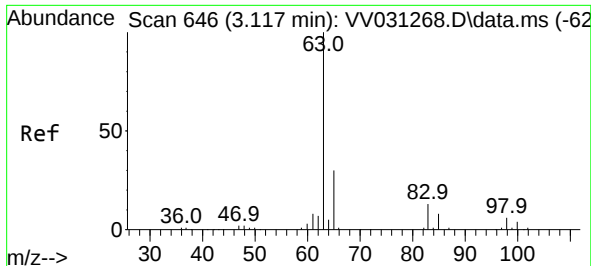
Ion Ratio Lower Upper

96 100

61 140.7 110.7 205.5

98 52.2 44.6 82.8





#19

1,1-Dichloroethane

Concen: 0.635 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

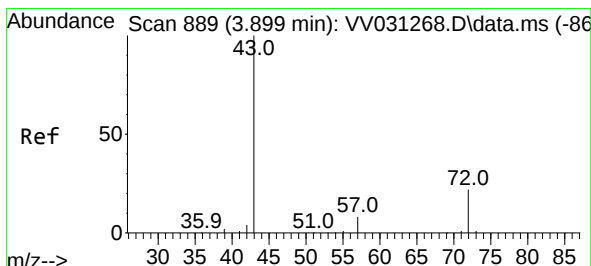
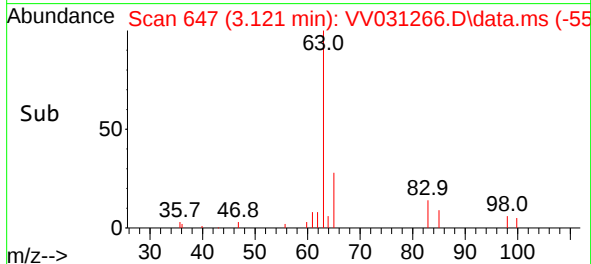
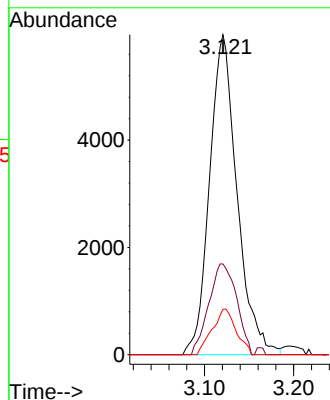
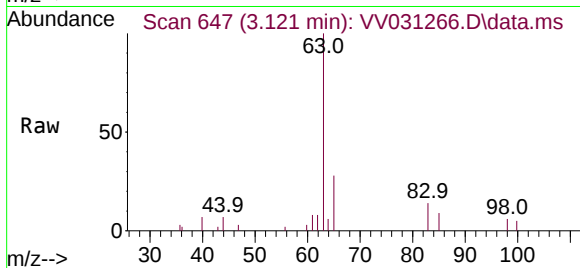
Tgt Ion: 63 Resp: 12770

Ion Ratio Lower Upper

63 100

65 28.4 20.9 38.9

83 14.2 9.1 16.9



#21

2-Butanone

Concen: 1.492 ug/L

RT: 3.937 min Scan# 901

Delta R.T. 0.039 min

Lab File: VV031266.D

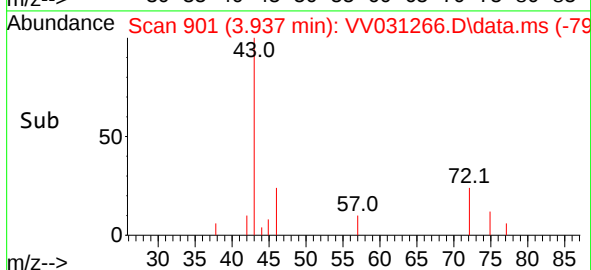
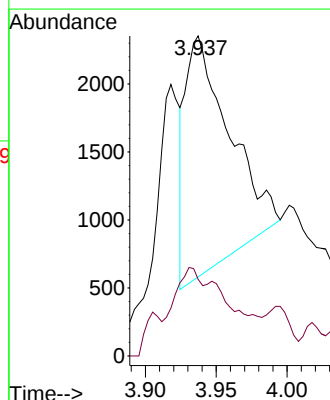
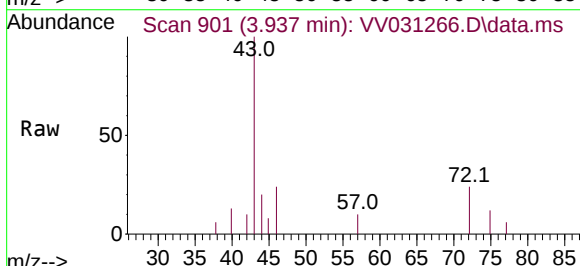
Acq: 30 May 2023 14:22

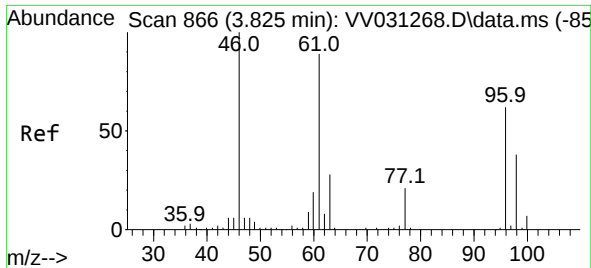
Tgt Ion: 43 Resp: 3794

Ion Ratio Lower Upper

43 100

72 12.8 10.6 31.8



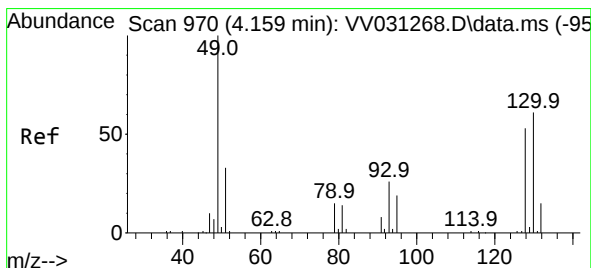
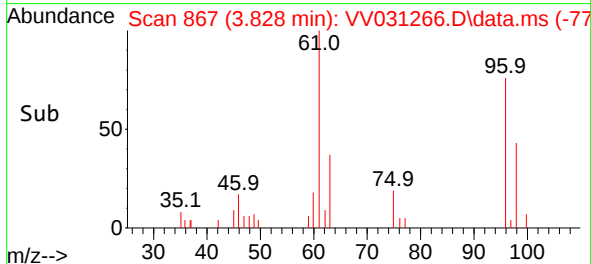
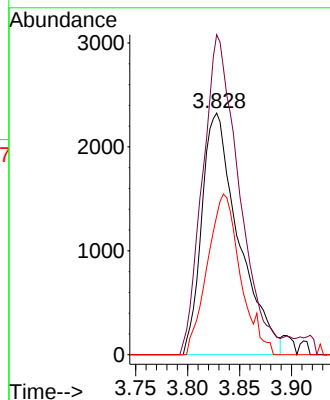
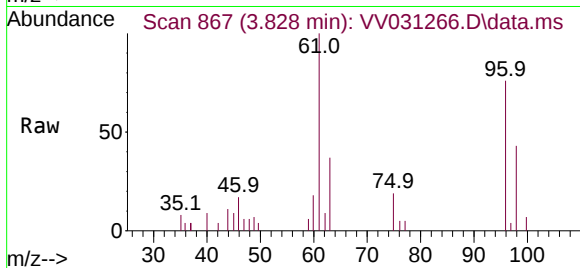


#22
cis-1,2-Dichloroethene
Concen: 0.608 ug/L
RT: 3.828 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

Tgt Ion: 96 Resp: 5725

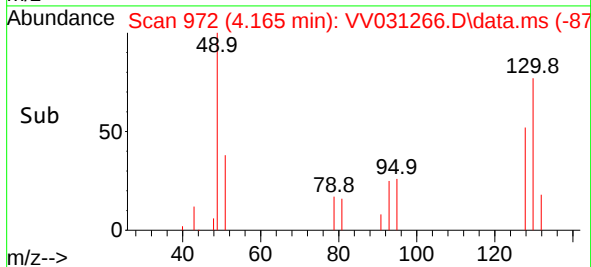
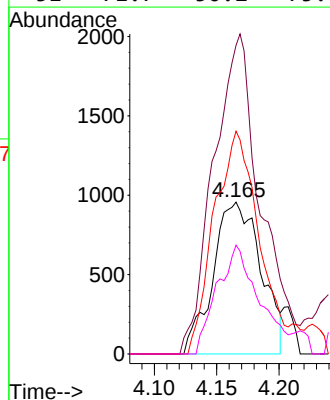
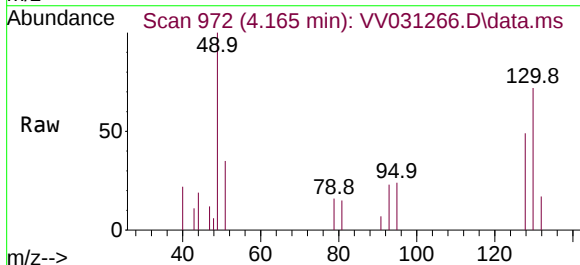
Ion	Ratio	Lower	Upper
96	100		
61	132.4	100.5	186.7
98	57.4	42.9	79.7

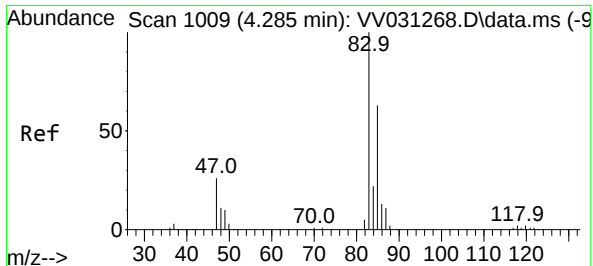


#23
Bromochloromethane
Concen: 0.615 ug/L
RT: 4.165 min Scan# 972
Delta R.T. 0.006 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:128 Resp: 2559

Ion	Ratio	Lower	Upper
128	100		
49	203.1	132.5	246.1
130	146.6	80.9	150.3
51	71.7	50.2	75.4





#25

Chloroform

Concen: 0.608 ug/L

RT: 4.288 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

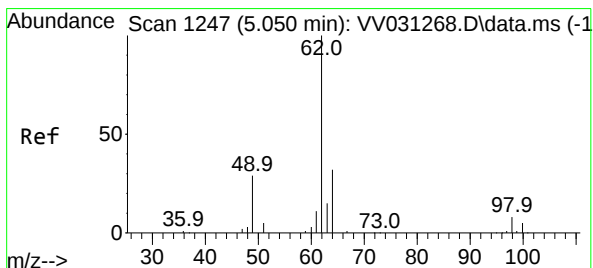
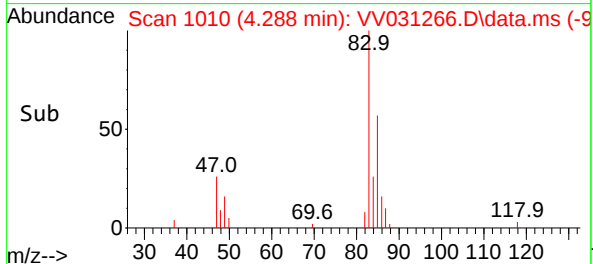
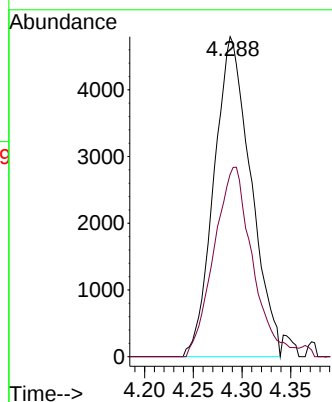
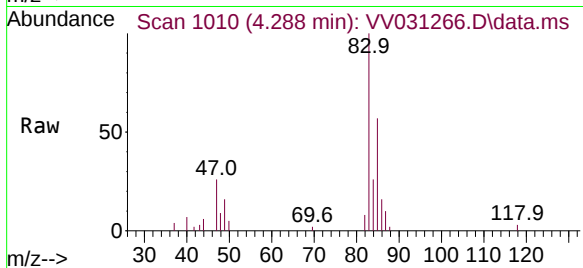
VSTD0.5247

Tgt Ion: 83 Resp: 12589

Ion Ratio Lower Upper

83 100

85 57.0 44.0 81.6



#27

1,2-Dichloroethane

Concen: 0.562 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VV031266.D

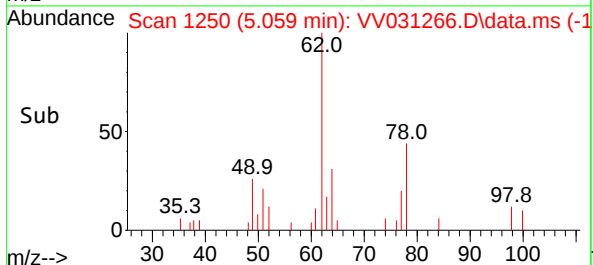
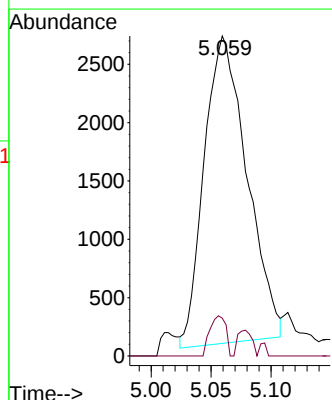
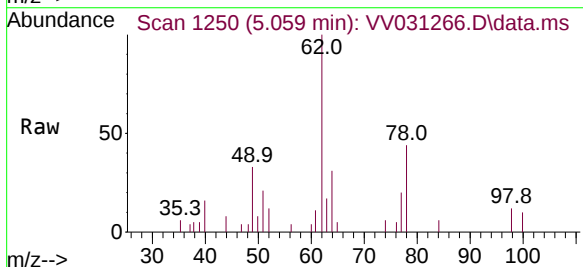
Acq: 30 May 2023 14:22

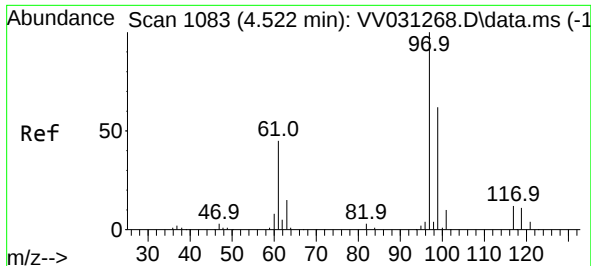
Tgt Ion: 62 Resp: 6540

Ion Ratio Lower Upper

62 100

98 11.8 6.1 9.1#





#29

1,1,1-Trichloroethane

Concen: 0.556 ug/L

RT: 4.519 min Scan# 10965

Delta R.T. -0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

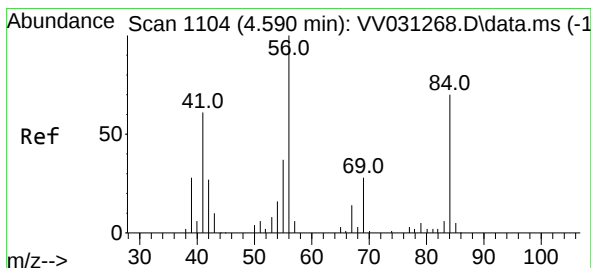
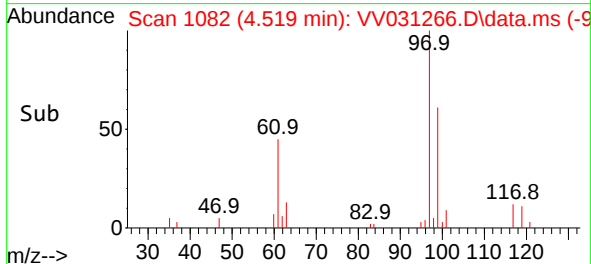
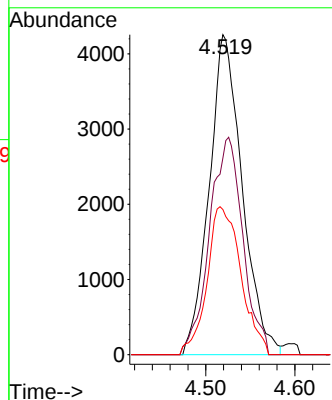
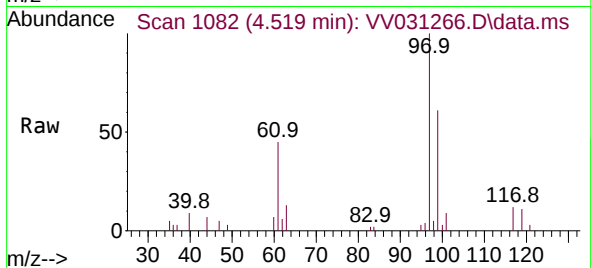
Tgt Ion: 97 Resp: 10965

Ion Ratio Lower Upper

97 100

99 68.5 51.4 77.2

61 47.3 36.2 54.4



#30

Cyclohexane

Concen: 0.574 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

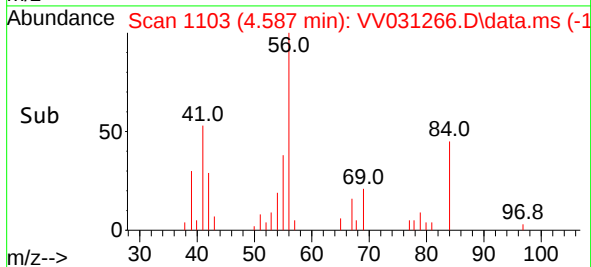
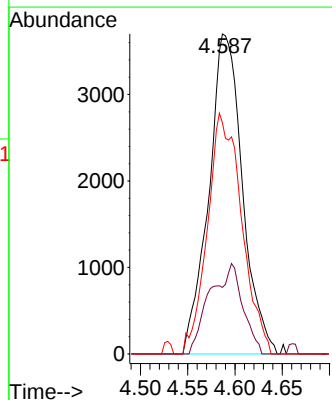
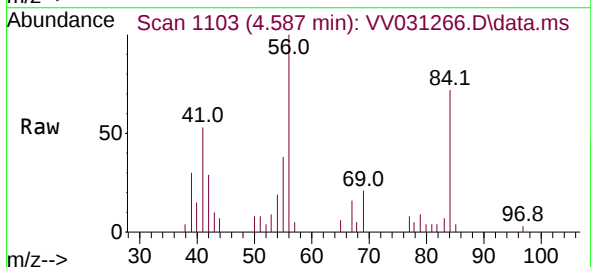
Tgt Ion: 56 Resp: 9157

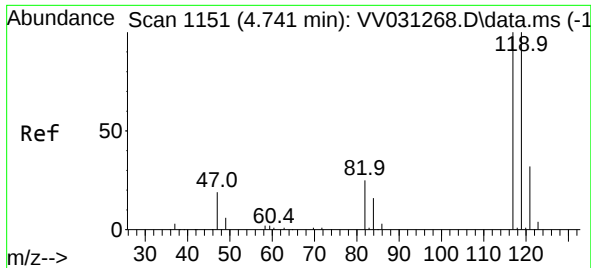
Ion Ratio Lower Upper

56 100

69 27.6 23.4 35.2

84 76.4 59.6 89.4

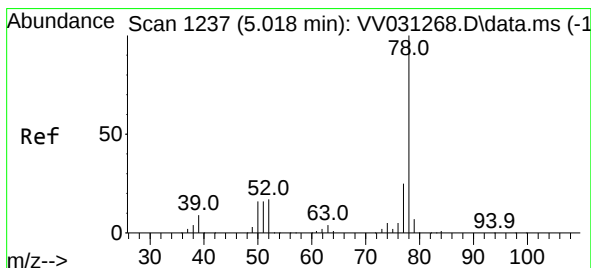
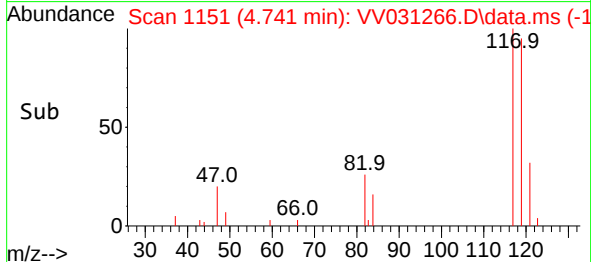
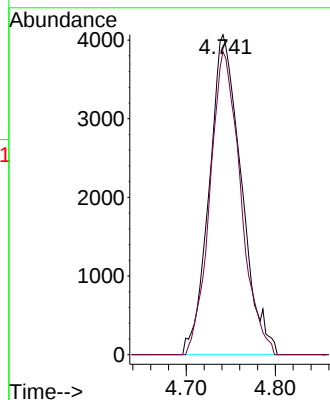
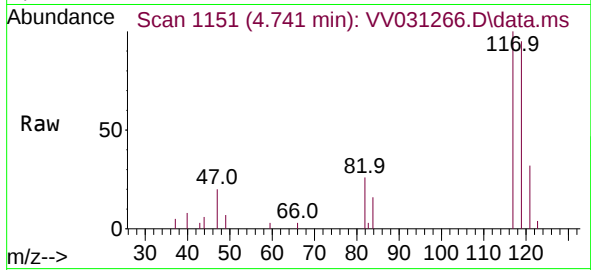




#31
Carbon tetrachloride
Concen: 0.592 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

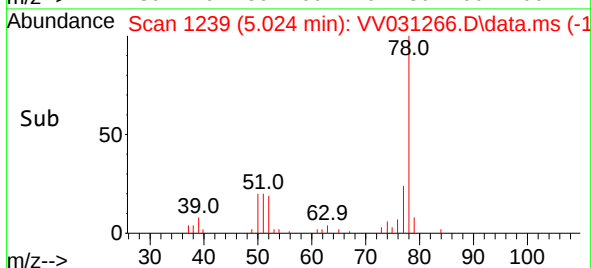
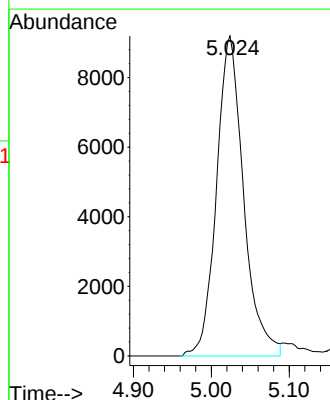
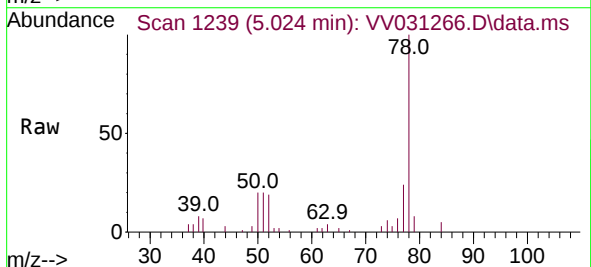
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

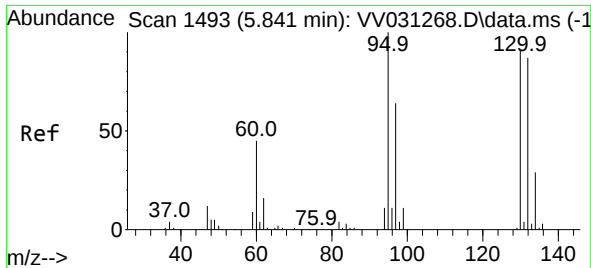
Tgt Ion:117 Resp: 10148
Ion Ratio Lower Upper
117 100
119 90.7 78.7 118.1



#33
Benzene
Concen: 0.551 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 78 Resp: 22243



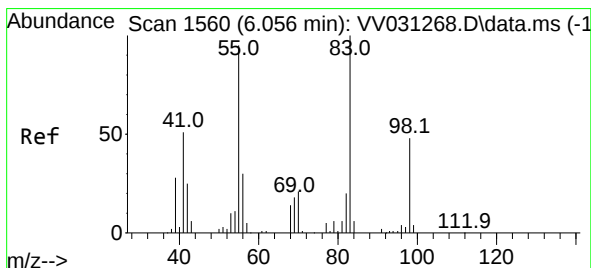
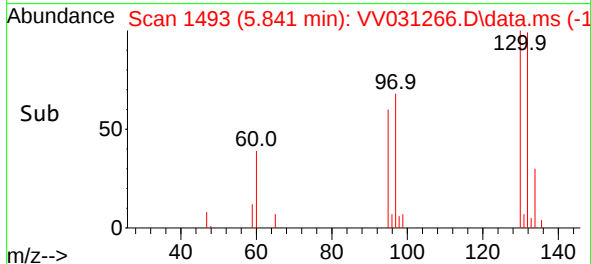
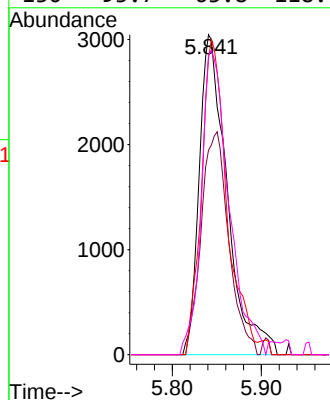
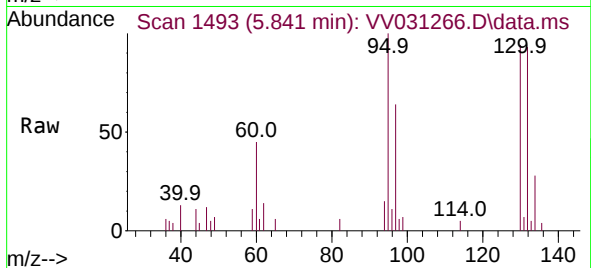


#34
Trichloroethene
Concen: 0.612 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

Tgt Ion: 95 Resp: 6646

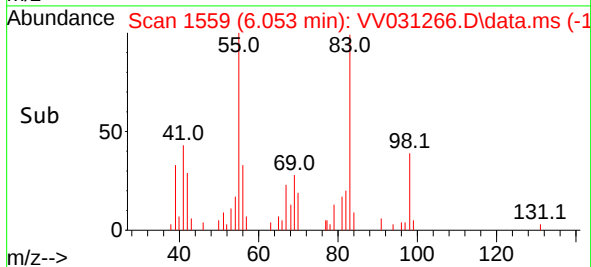
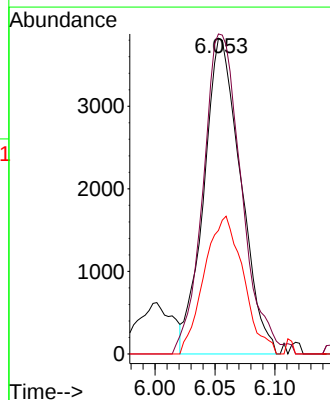
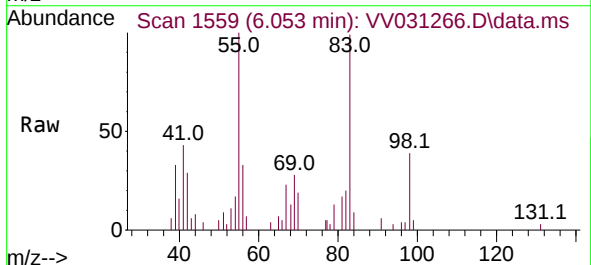
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	83.1
132	92.6	61.1	113.5
130	93.7	63.8	118.4

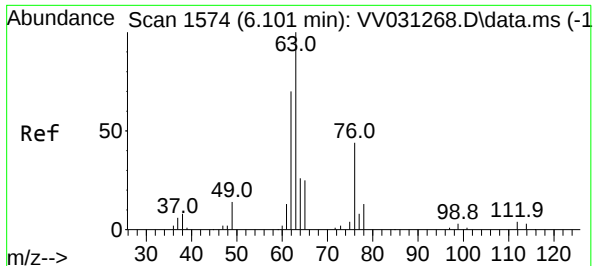


#35
Methylcyclohexane
Concen: 0.532 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 83 Resp: 8159

Ion	Ratio	Lower	Upper
83	100		
55	105.8	72.6	108.8
98	46.2	35.9	53.9





#37

1,2-Dichloropropane

Concen: 0.463 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

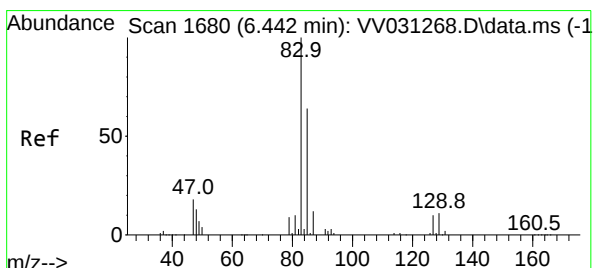
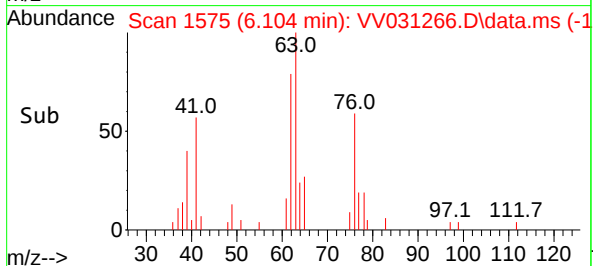
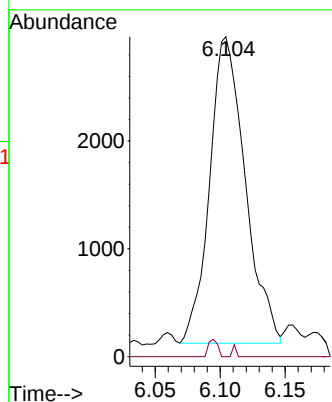
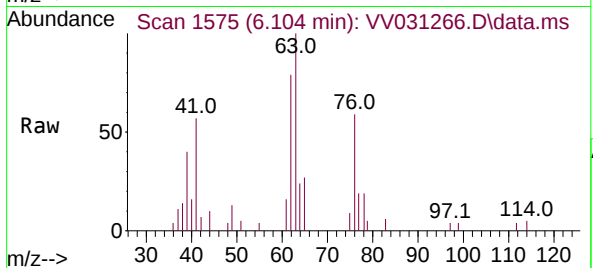
VSTD0.5247

Tgt Ion: 63 Resp: 5416

Ion Ratio Lower Upper

63 100

112 0.4 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.580 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

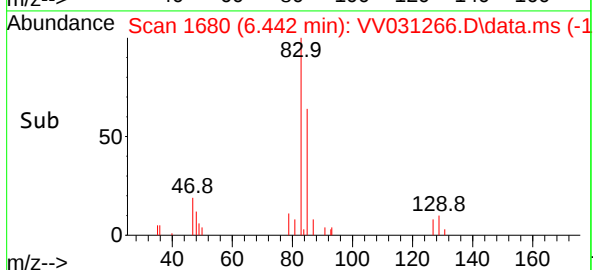
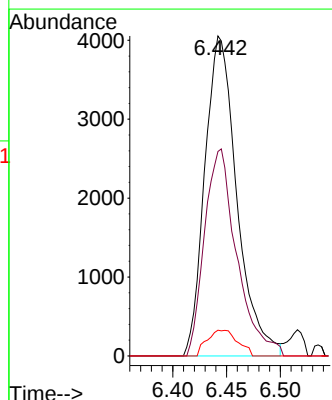
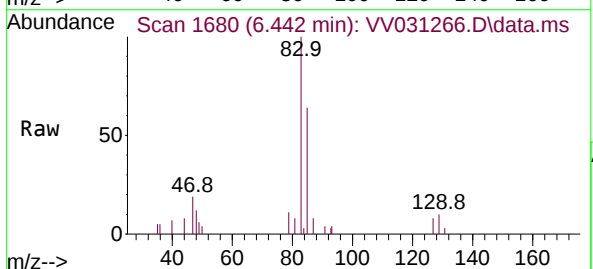
Tgt Ion: 83 Resp: 8419

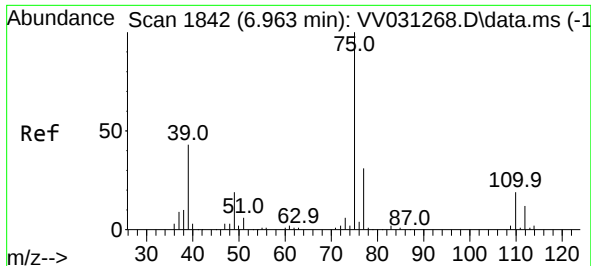
Ion Ratio Lower Upper

83 100

85 63.9 44.5 82.7

127 8.0 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 0.548 ug/L

RT: 6.969 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

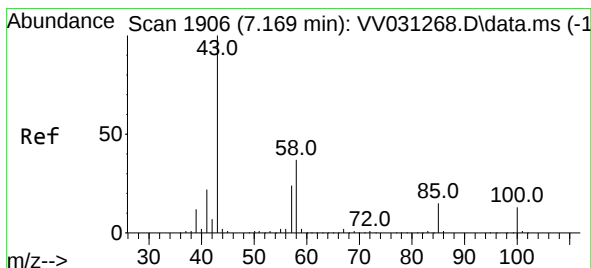
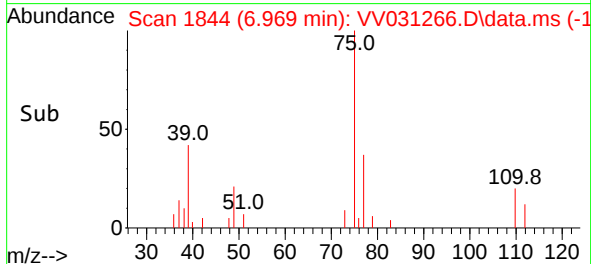
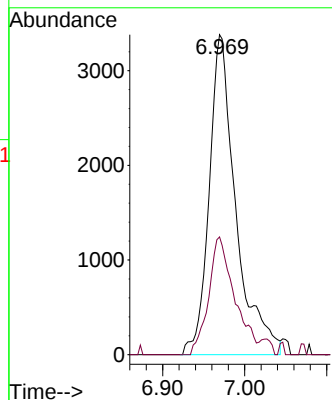
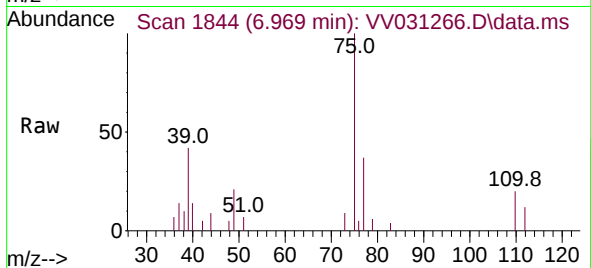
VSTD0.5247

Tgt Ion: 75 Resp: 7630

Ion Ratio Lower Upper

75 100

77 36.8 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 5.417 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

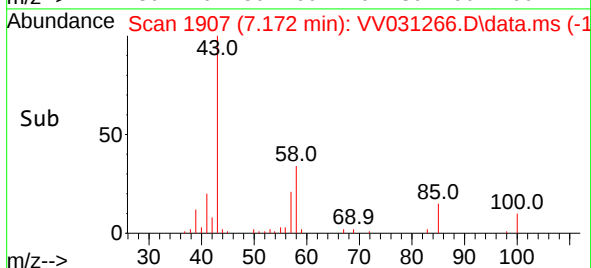
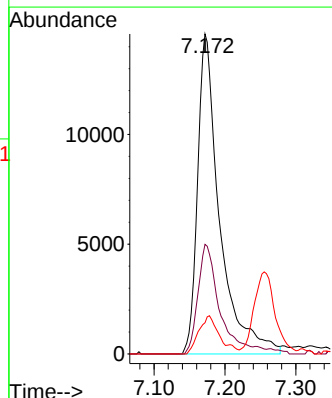
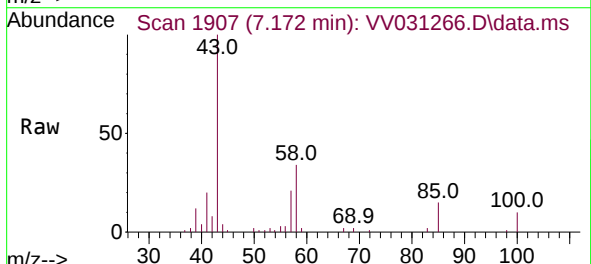
Tgt Ion: 43 Resp: 31462

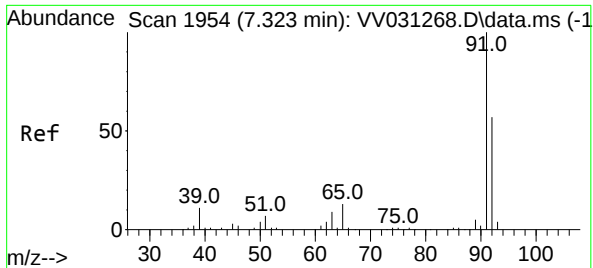
Ion Ratio Lower Upper

43 100

58 32.9 29.5 44.3

100 11.3 9.8 14.6

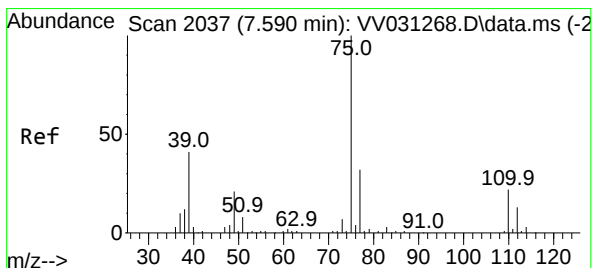
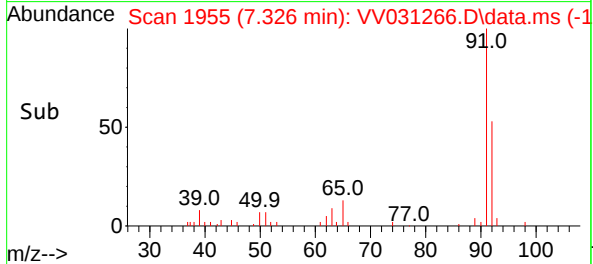
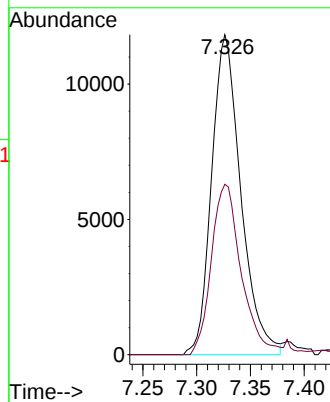
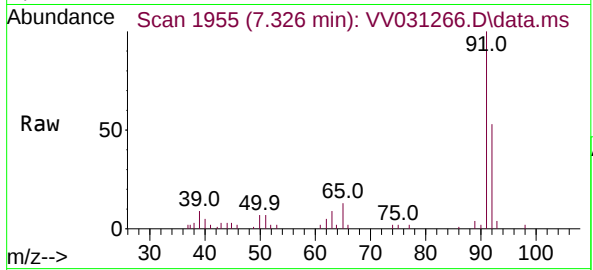




#42
Toluene
Concen: 0.562 ug/L
RT: 7.326 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

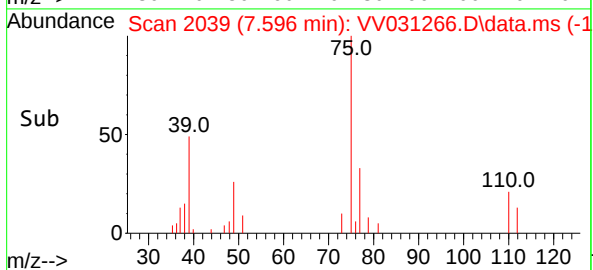
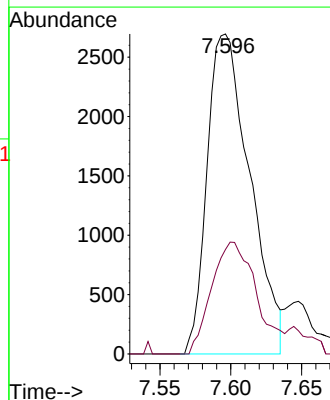
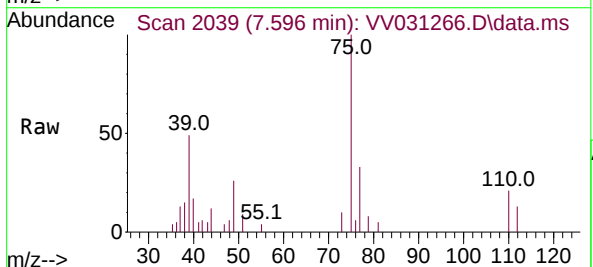
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

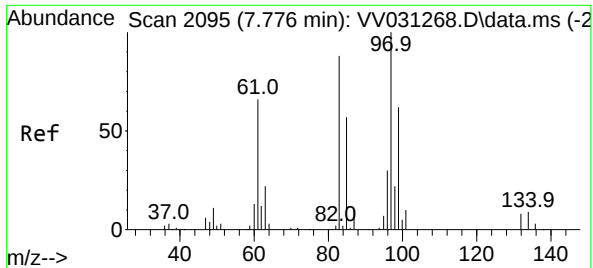
Tgt Ion: 91 Resp: 22324
Ion Ratio Lower Upper
91 100
92 53.3 40.0 74.4



#44
trans-1,3-Dichloropropene
Concen: 0.470 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 75 Resp: 5660
Ion Ratio Lower Upper
75 100
77 32.6 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 0.624 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

Tgt Ion: 97 Resp: 4398

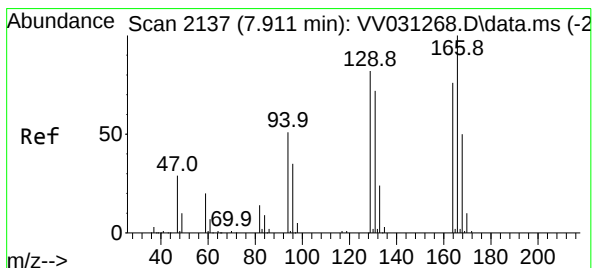
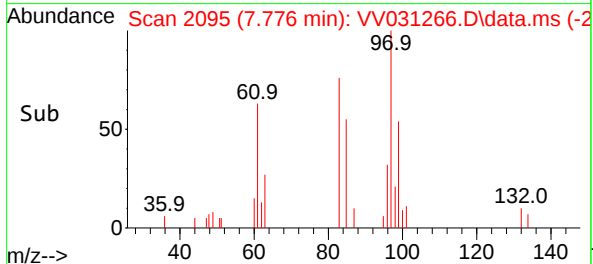
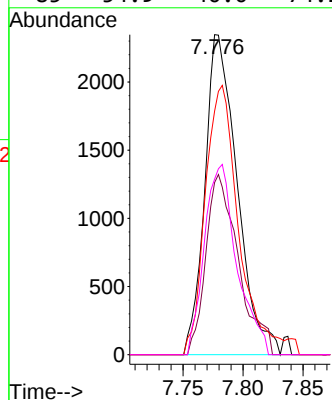
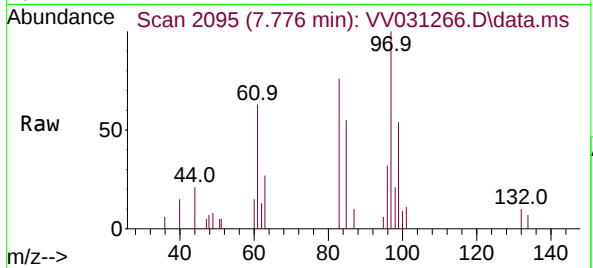
Ion Ratio Lower Upper

97 100

99 53.8 43.8 81.3

83 76.1 61.8 114.8

85 54.9 40.0 74.2



#47

Tetrachloroethene

Concen: 0.632 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Tgt Ion:164 Resp: 5045

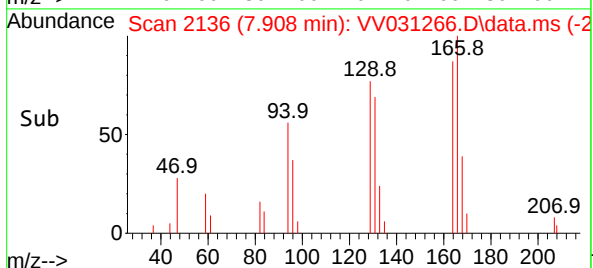
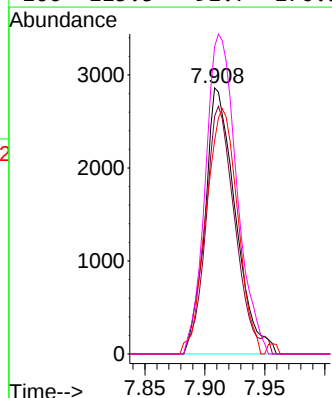
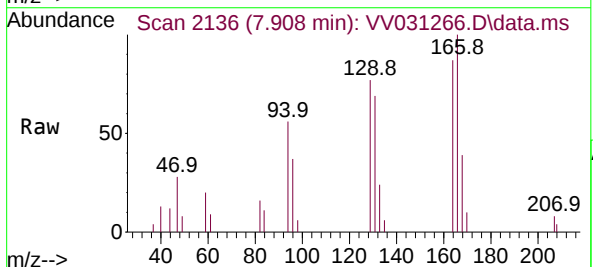
Ion Ratio Lower Upper

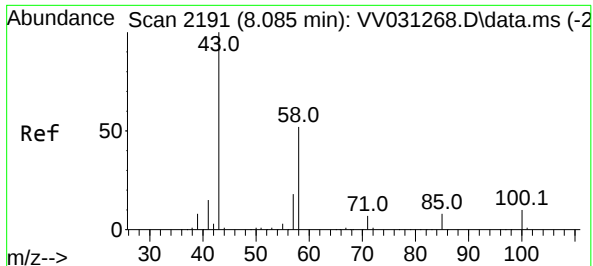
164 100

129 89.4 75.3 139.8

131 80.1 65.6 121.8

166 115.5 91.7 170.3

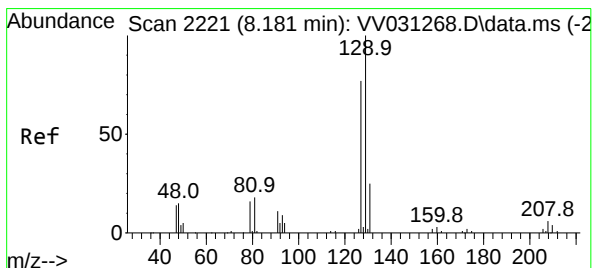
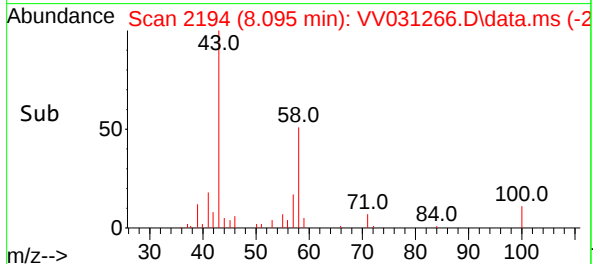
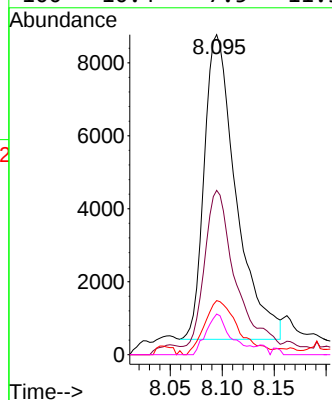
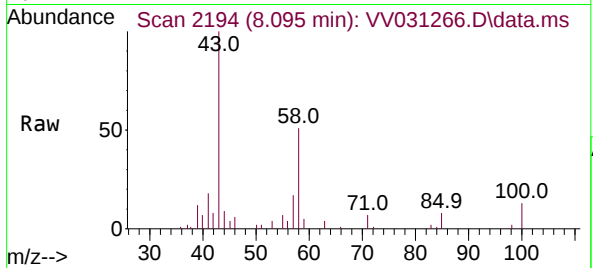




#48
2-Hexanone
Concen: 3.876 ug/L
RT: 8.095 min Scan# 2191
Delta R.T. 0.010 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

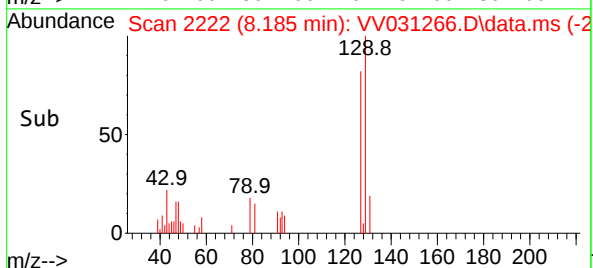
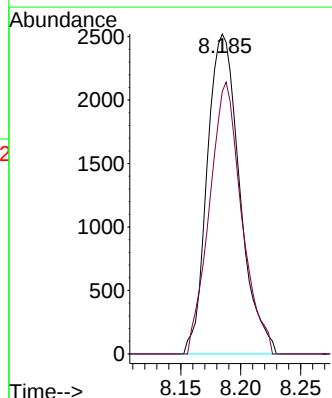
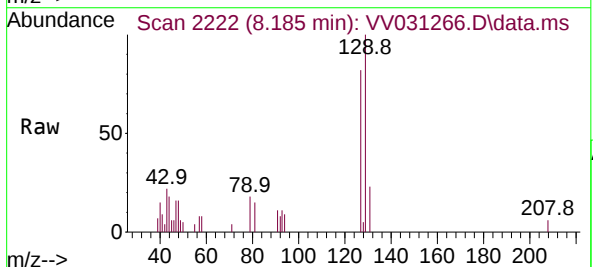
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

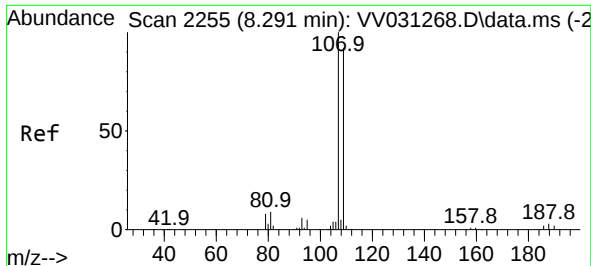
Tgt Ion: 43	Resp: 17818
Ion Ratio	Lower Upper
43 100	
58 50.3	41.2 61.8
57 19.0	14.1 21.1
100 10.4	7.5 11.3



#49
Dibromochloromethane
Concen: 0.543 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:129	Resp:	4745	
Ion	Ratio	Lower	Upper
129	100		
127	82.1	54.1	100.5





#50

1,2-Dibromoethane

Concen: 0.591 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

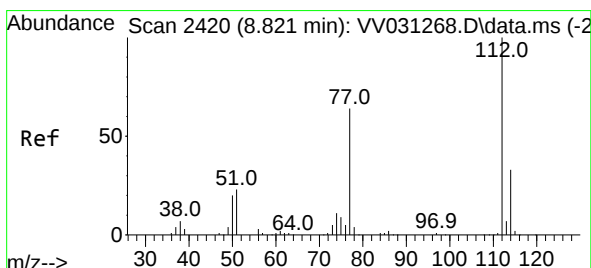
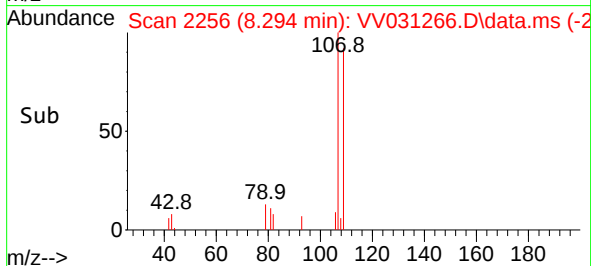
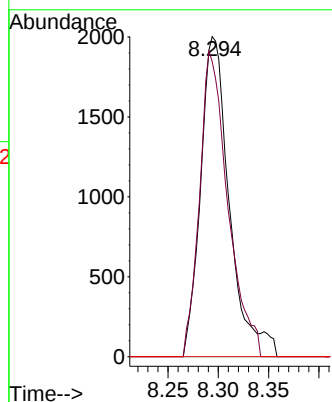
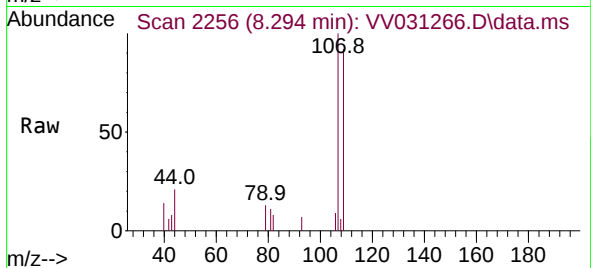
Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

Tgt Ion:	107	Resp:	3990
Ion	Ratio	Lower	Upper
107	100		
109	92.2	64.3	119.5
188	0.0	2.7	4.1#



#51

Chlorobenzene

Concen: 0.569 ug/L

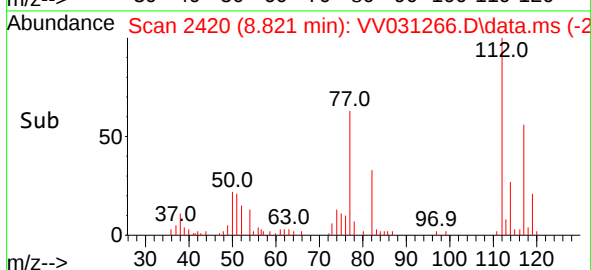
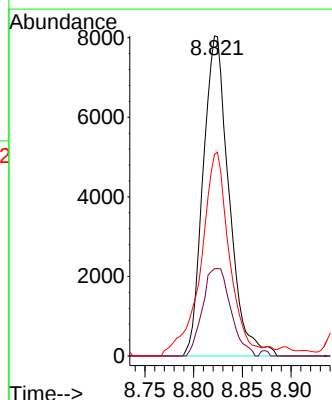
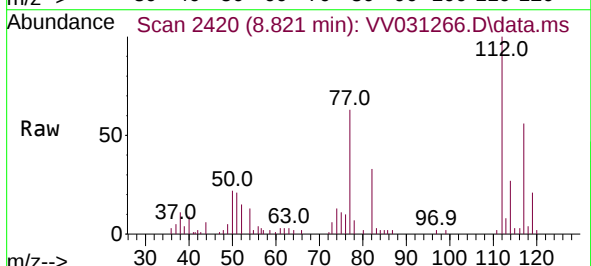
RT: 8.821 min Scan# 2420

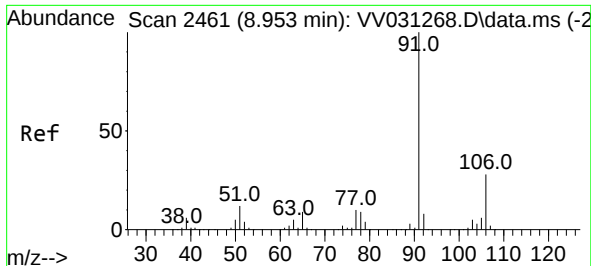
Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Tgt Ion:	112	Resp:	14845
Ion	Ratio	Lower	Upper
112	100		
114	27.3	23.1	42.9
77	63.0	51.5	77.3





#52

Ethylbenzene

Concen: 0.485 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

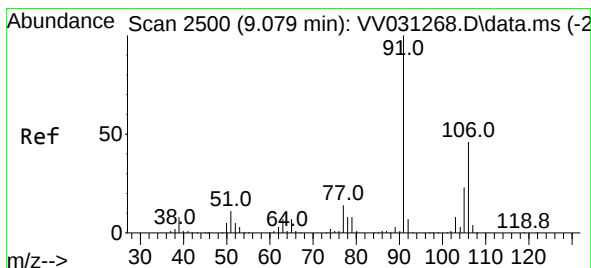
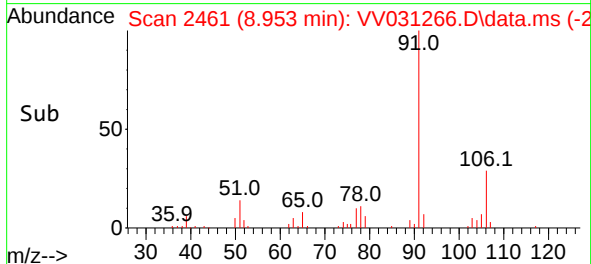
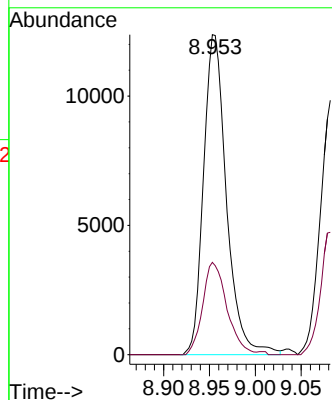
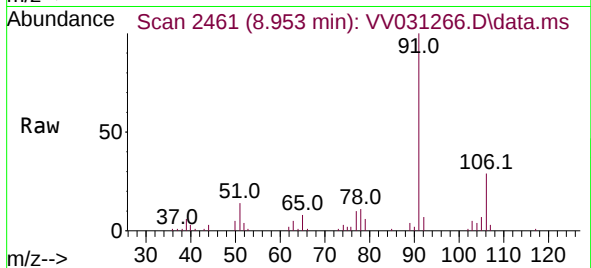
VSTD0.5247

Tgt Ion: 91 Resp: 21543

Ion Ratio Lower Upper

91 100

106 28.8 19.8 36.8



#53

m,p-Xylene

Concen: 0.482 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV031266.D

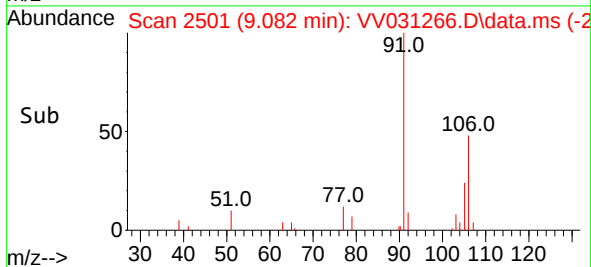
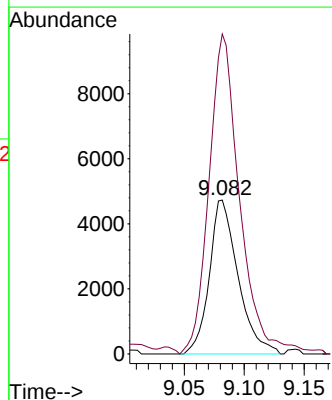
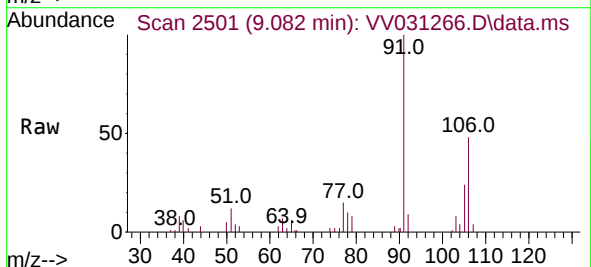
Acq: 30 May 2023 14:22

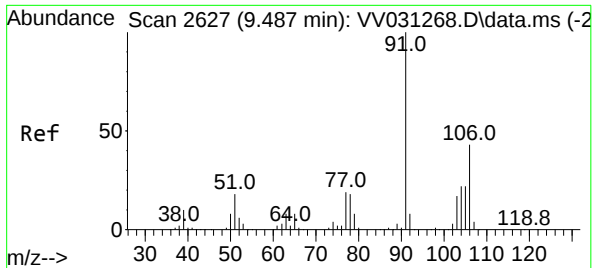
Tgt Ion: 106 Resp: 7877

Ion Ratio Lower Upper

106 100

91 207.9 152.3 282.9

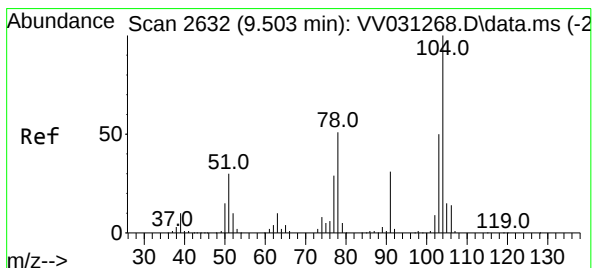
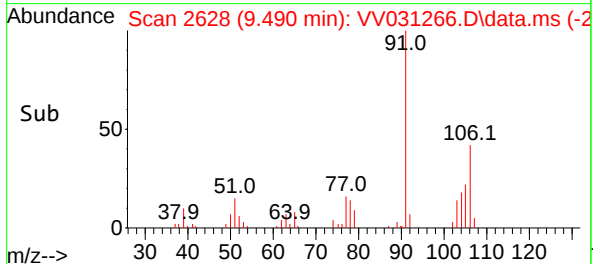
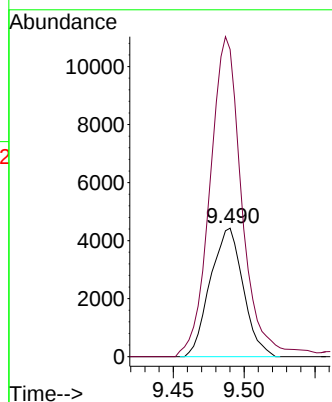
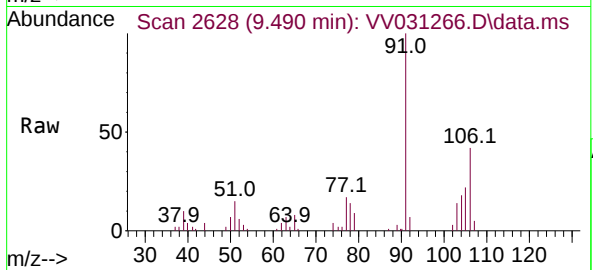




#54
o-Xylene
Concen: 0.459 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

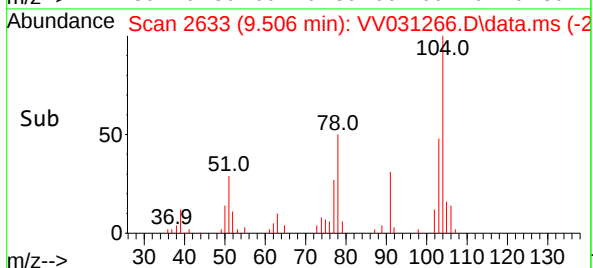
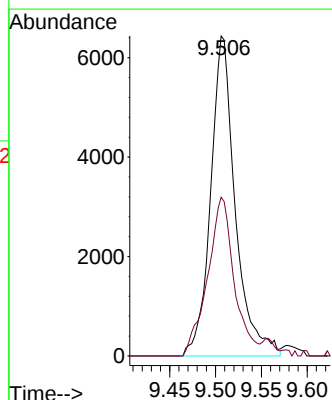
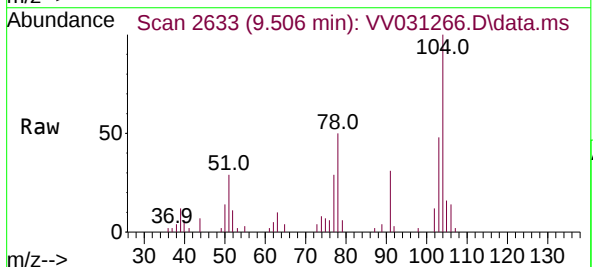
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

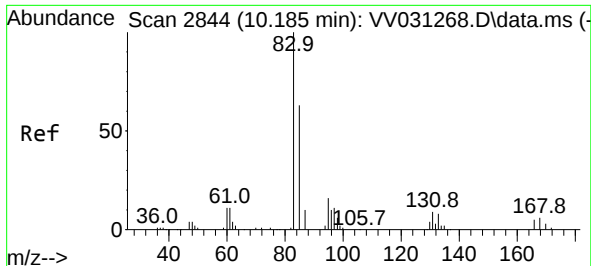
Tgt Ion:106 Resp: 7145
Ion Ratio Lower Upper
106 100
91 239.1 164.1 304.7



#55
Styrene
Concen: 0.437 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:104 Resp: 12019
Ion Ratio Lower Upper
104 100
78 49.6 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 0.550 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

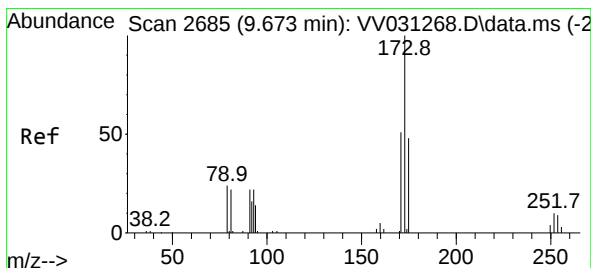
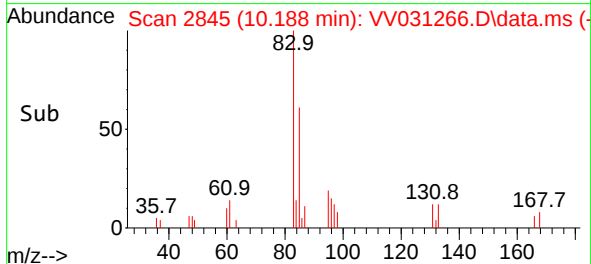
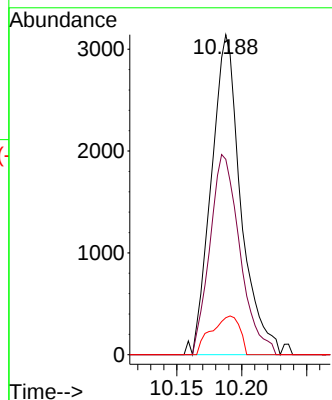
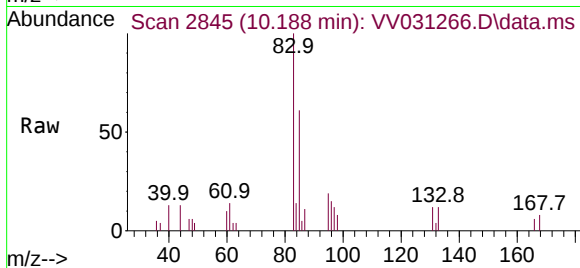
Tgt Ion: 83 Resp: 4957

Ion Ratio Lower Upper

83 100

85 61.1 43.8 81.4

131 11.5 7.0 10.6#



#59

Bromoform

Concen: 0.630 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

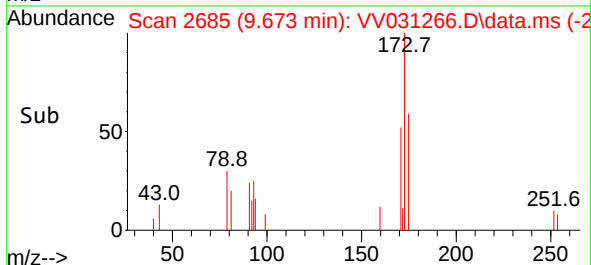
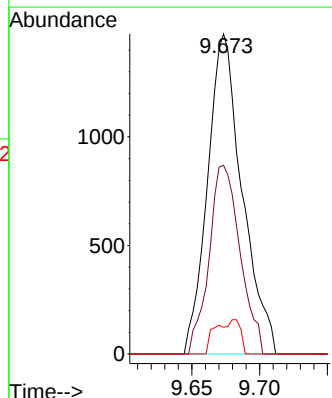
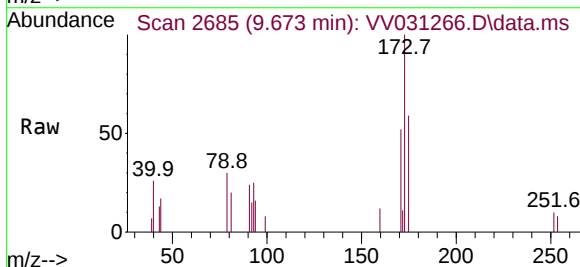
Tgt Ion: 173 Resp: 2612

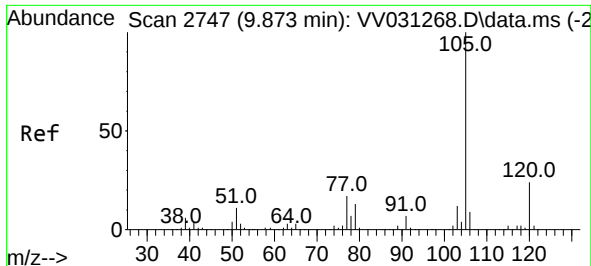
Ion Ratio Lower Upper

173 100

175 52.9 38.2 57.4

254 7.7 8.0 12.0#

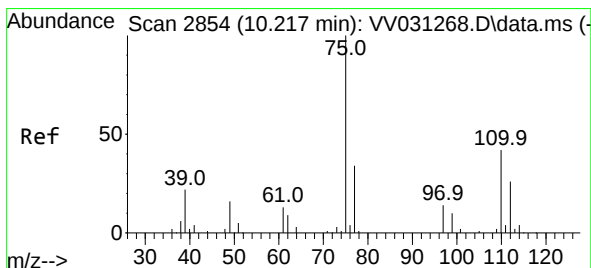
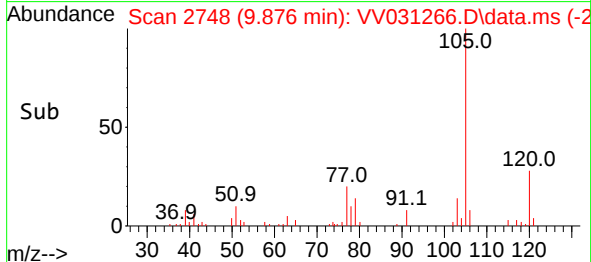
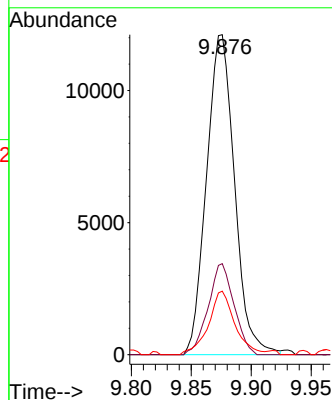
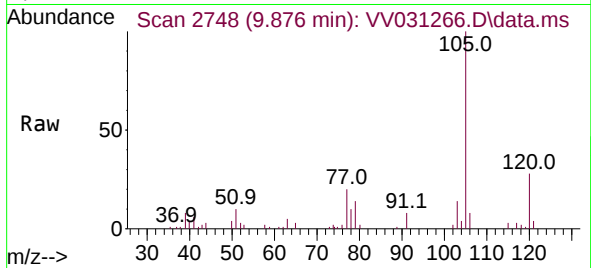




#60
Isopropylbenzene
Concen: 0.528 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

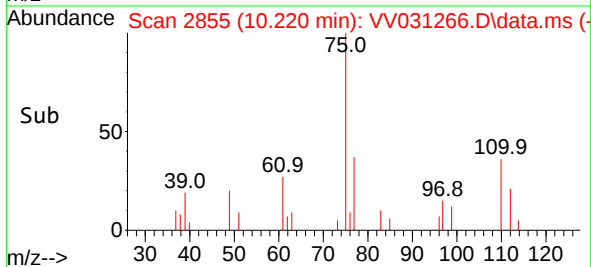
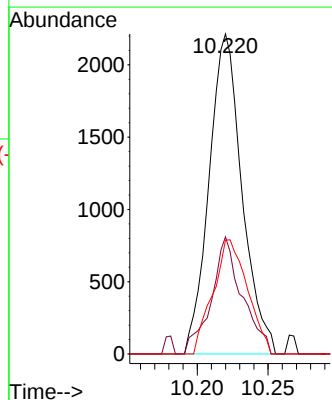
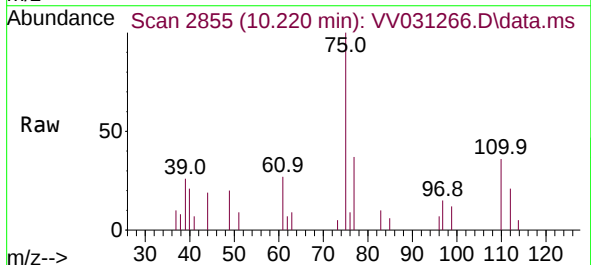
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

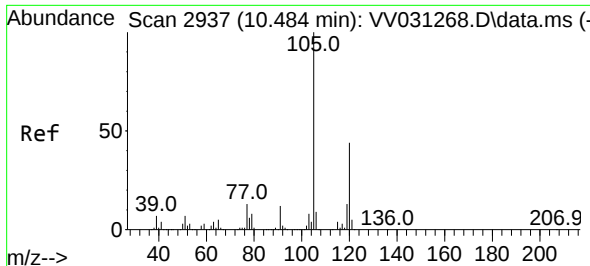
Tgt Ion:105 Resp: 19695
Ion Ratio Lower Upper
105 100
120 26.2 19.8 29.6
77 18.7 14.0 21.0



#61
1,2,3-Trichloropropane
Concen: 0.644 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion: 75 Resp: 3579
Ion Ratio Lower Upper
75 100
77 34.3 27.0 40.6
110 37.5 31.9 47.9

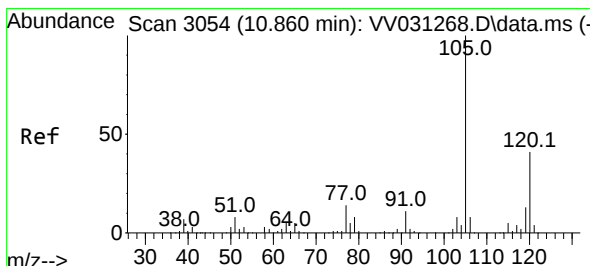
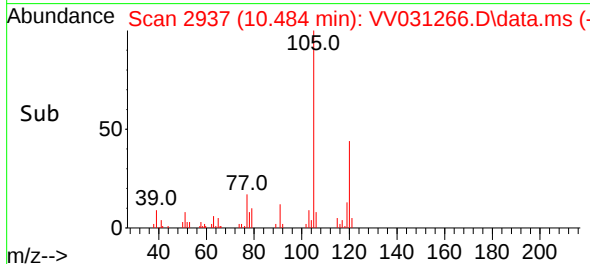
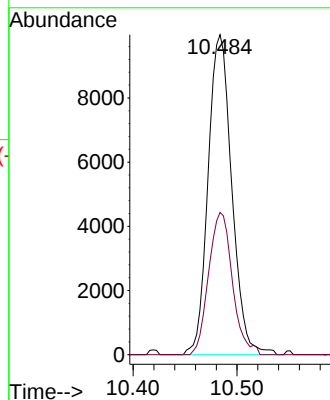
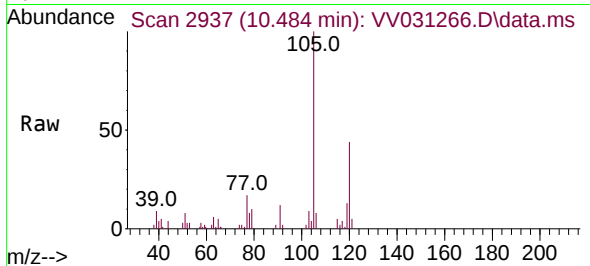




#62
1,3,5-Trimethylbenzene
Concen: 0.521 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

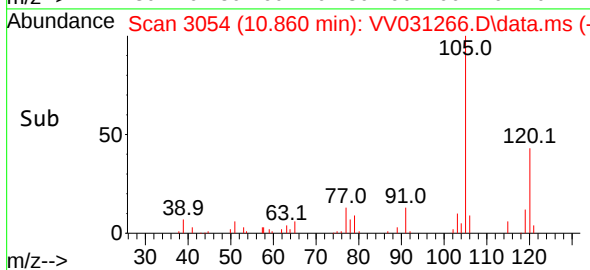
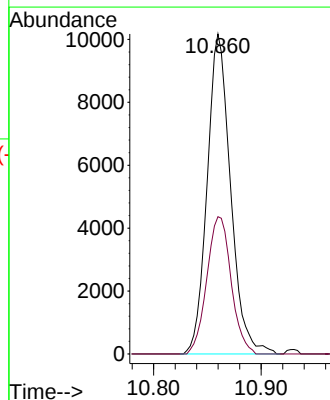
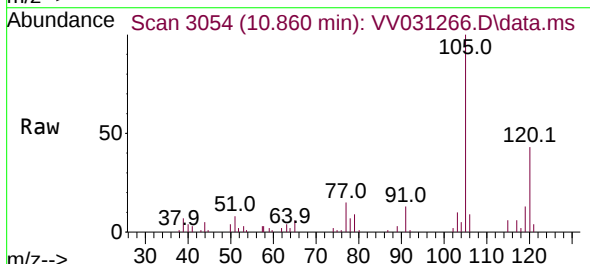
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

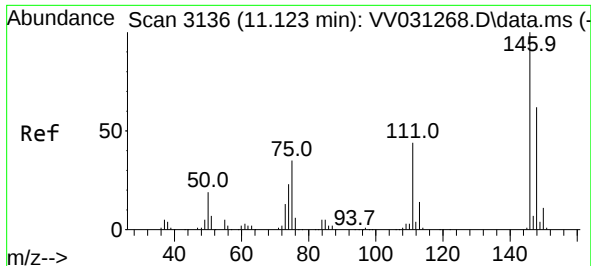
Tgt Ion:105 Resp: 15790
Ion Ratio Lower Upper
105 100
120 44.5 35.8 53.6



#63
1,2,4-Trimethylbenzene
Concen: 0.497 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:105 Resp: 15405
Ion Ratio Lower Upper
105 100
120 44.4 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 0.582 ug/L

RT: 11.127 min Scan# 3136

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

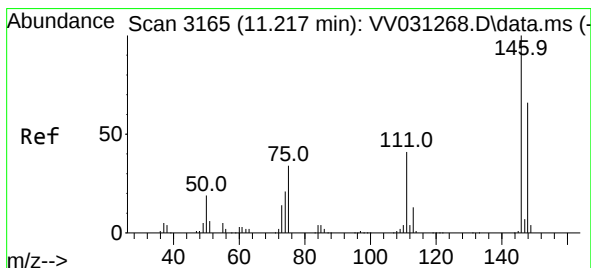
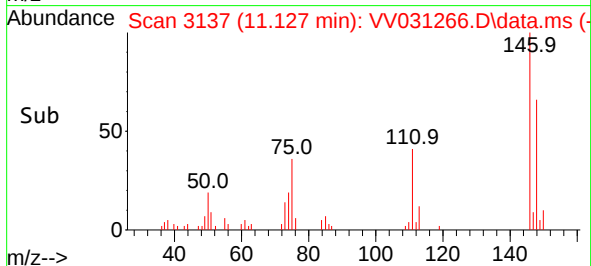
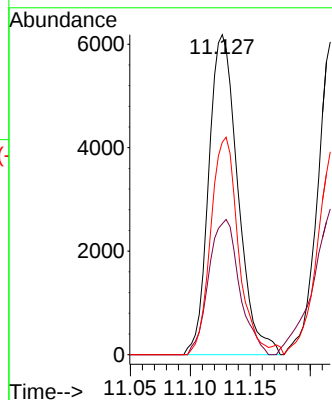
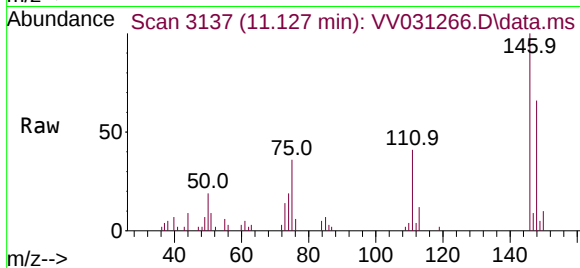
Tgt Ion:146 Resp: 10425

Ion Ratio Lower Upper

146 100

111 40.9 30.4 56.5

148 66.4 43.6 81.0



#65

1,4-Dichlorobenzene

Concen: 0.569 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

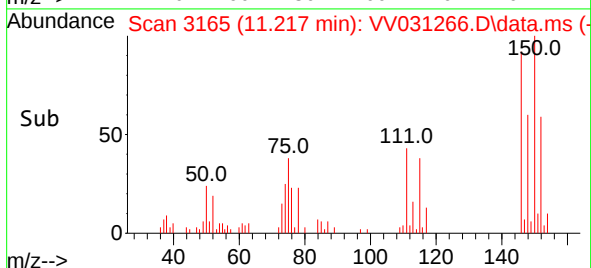
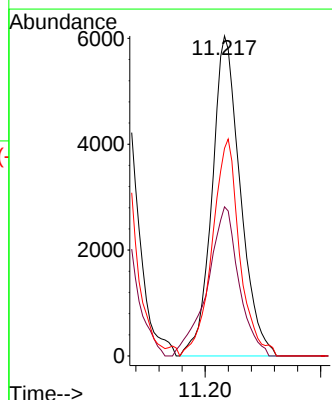
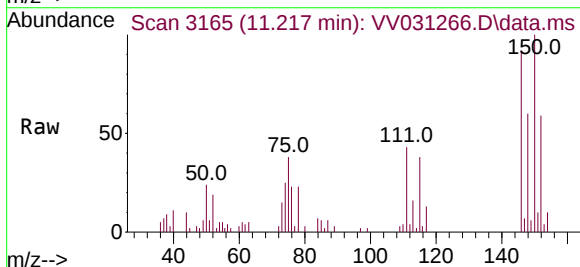
Tgt Ion:146 Resp: 10278

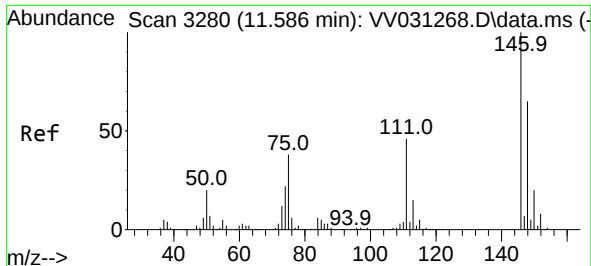
Ion Ratio Lower Upper

146 100

111 46.6 29.1 54.1

148 64.9 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 0.585 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5247

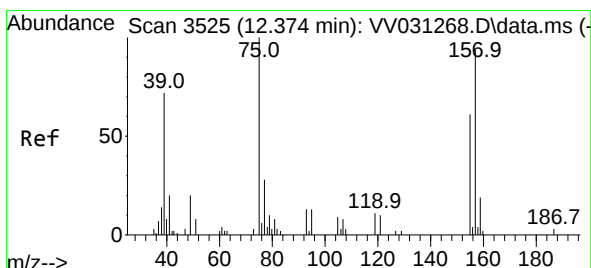
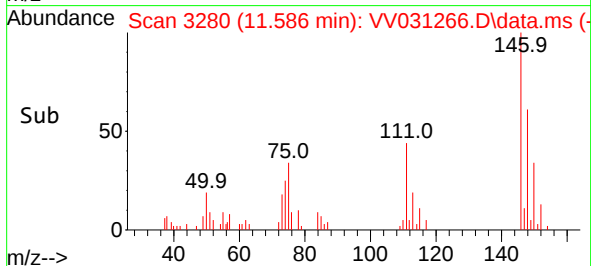
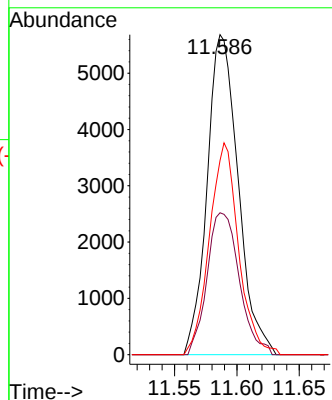
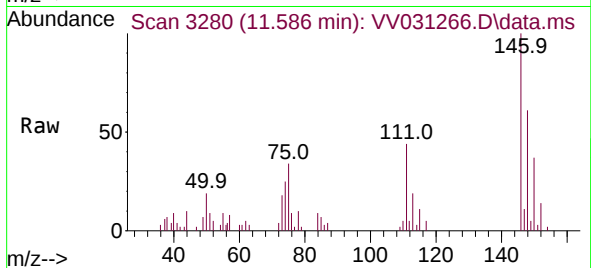
Tgt Ion:146 Resp: 9845

Ion Ratio Lower Upper

146 100

111 44.4 37.0 55.4

148 60.7 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.670 ug/L

RT: 12.377 min Scan# 3526

Delta R.T. 0.003 min

Lab File: VV031266.D

Acq: 30 May 2023 14:22

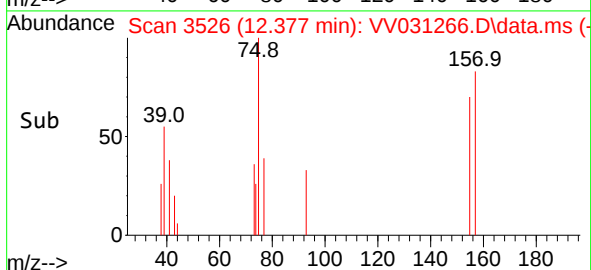
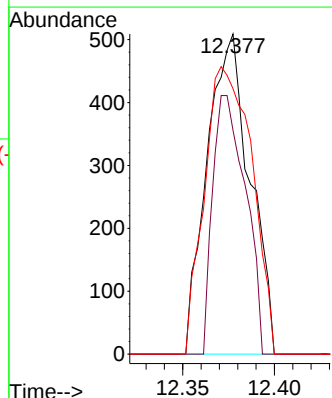
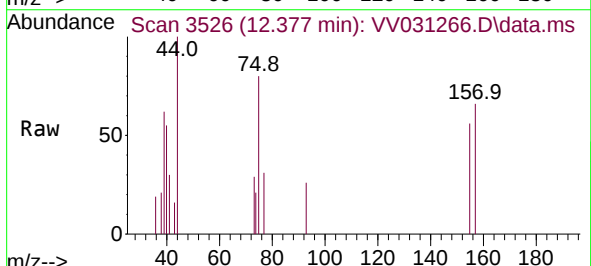
Tgt Ion: 75 Resp: 828

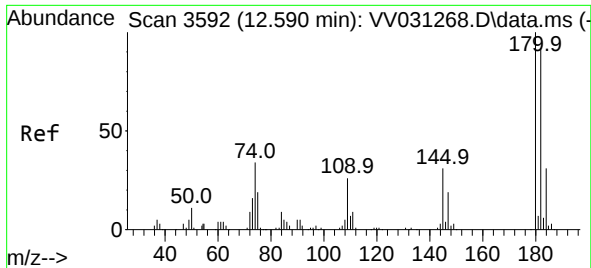
Ion Ratio Lower Upper

75 100

155 69.9 49.0 73.6

157 82.9 75.6 113.4

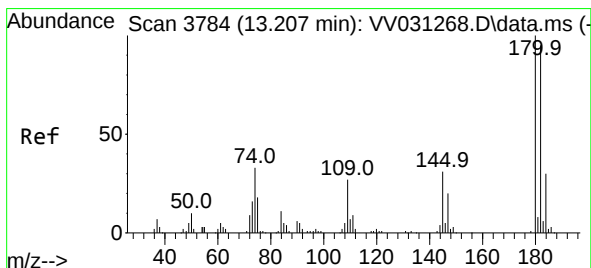
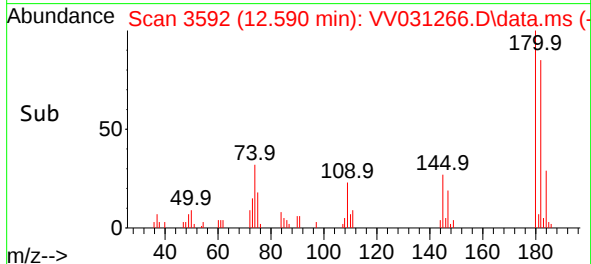
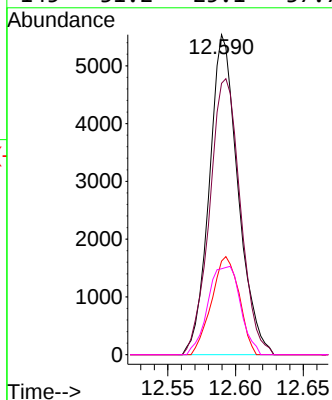
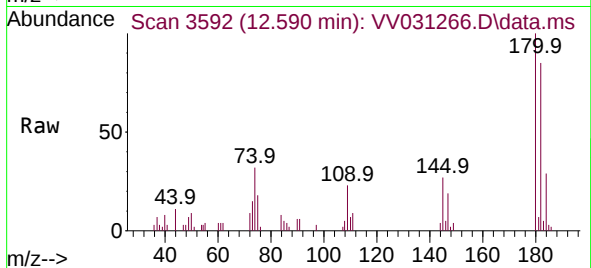




#69
1,3,5-Trichlorobenzene
Concen: 0.572 ug/L
RT: 12.590 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

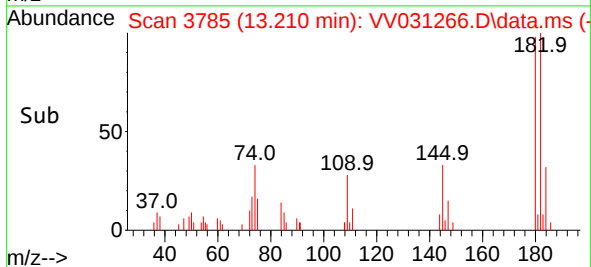
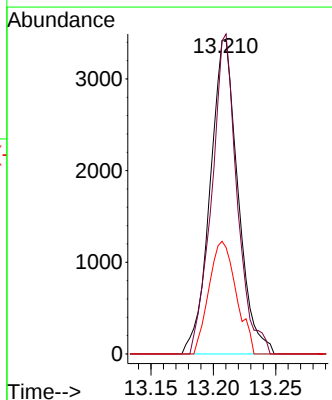
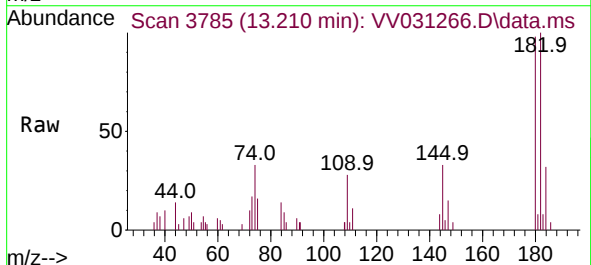
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

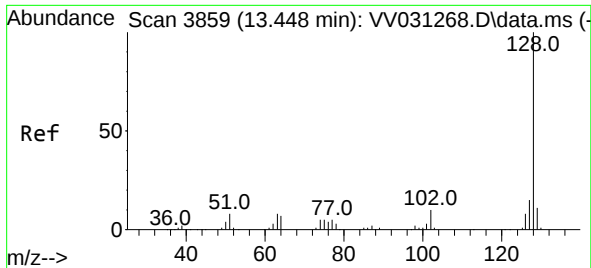
Tgt Ion:180	Resp:	8165
Ion Ratio	Lower	Upper
180	100	
182	92.3	74.5 111.7
184	29.3	24.2 36.2
145	31.2	25.1 37.7



#70
1,2,4-trichlorobenzene
Concen: 0.482 ug/L
RT: 13.210 min Scan# 3785
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:180	Resp:	5341
Ion Ratio	Lower	Upper
180	100	
182	92.2	76.5 114.7
145	35.1	25.3 37.9

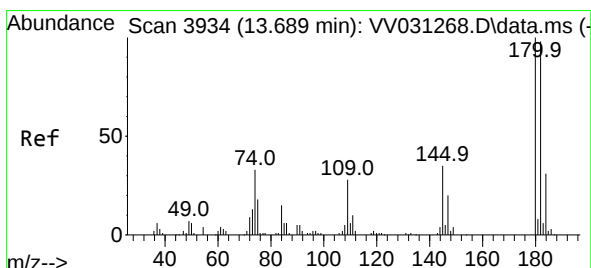
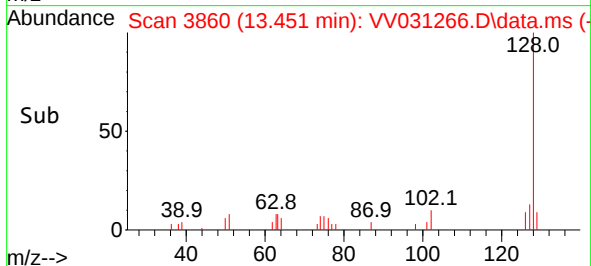
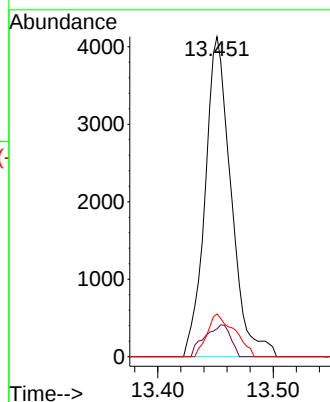
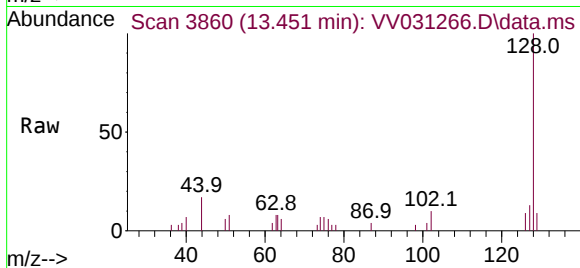




#71
Naphthalene
Concen: 0.390 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5247

Tgt Ion:	128	Resp:	6466
Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	14.0	11.3	16.9



#72
1,2,3-Trichlorobenzene
Concen: 0.575 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV031266.D
Acq: 30 May 2023 14:22

Tgt Ion:	180	Resp:	5471
Ion	Ratio	Lower	Upper
180	100		
182	76.7	76.5	114.7
145	27.6	27.8	41.8#

