

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031270.D
 Acq On : 30 May 2023 15:56
 Operator : SY/MD
 Sample : VSTD02051
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02051

Quant Time: May 31 04:57:03 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	5.545	114	130918	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	130817	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	76863	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	223045	16.038	ug/L	0.00
7) Chloroethane-d5	1.536	69	233714	20.590	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	116440	19.694	ug/L	0.00
20) 2-Butanone-d5	3.809	46	888444	273.864	ug/L	0.00
24) Chloroform-d	4.259	84	546221	19.321	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	295808	20.809	ug/L	0.00
32) Benzene-d6	4.966	84	1035079	19.294	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	360614	19.889	ug/L	0.00
41) Toluene-d8	7.249	98	938643	20.055	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	129727	22.349	ug/L	0.00
46) 2-Hexanone-d5	8.030	63	703132	284.385	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	277165	21.043	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	333965	18.520	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	397914	26.174	ug/L	98
3) Chloromethane	1.217	50	376937	22.847	ug/L	100
5) Vinyl chloride	1.285	62	387370	24.354	ug/L	100
6) Bromomethane	1.491	94	218350	26.482	ug/L	97
8) Chloroethane	1.552	64	232481	26.515	ug/L	98
9) Trichlorofluoromethane	1.716	101	604273	27.245	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	316725	26.737	ug/L	99
12) 1,1-Dichloroethene	2.072	96	272296	28.073	ug/L	92
13) Acetone	2.146	43	635872	259.228	ug/L	99
14) Carbon disulfide	2.243	76	844653	28.909	ug/L	99
15) Methyl Acetate	2.388	43	124433	24.758	ug/L	98
16) Methylene chloride	2.452	84	284170	19.255	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	670790	26.323	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	267368	25.691	ug/L	100
19) 1,1-Dichloroethane	3.117	63	577190	23.001	ug/L	97
21) 2-Butanone	3.892	43	916551	288.692	ug/L	95
22) cis-1,2-Dichloroethene	3.822	96	303016	25.783	ug/L	98
23) Bromochloromethane	4.156	128	125172	24.094	ug/L	93
25) Chloroform	4.285	83	592897	22.921	ug/L	97
27) 1,2-Dichloroethane	5.050	62	361996	24.930	ug/L	96
29) 1,1,1-Trichloroethane	4.523	97	505267	20.631	ug/L	99
30) Cyclohexane	4.593	56	555358	28.042	ug/L	97
31) Carbon tetrachloride	4.744	117	453627	21.337	ug/L	98
33) Benzene	5.018	78	1183202	23.606	ug/L	100
34) Trichloroethene	5.841	95	312849	23.222	ug/L	100
35) Methylcyclohexane	6.059	83	538885	28.335	ug/L	97
37) 1,2-Dichloropropane	6.101	63	329938	22.735	ug/L	99
38) Bromodichloromethane	6.439	83	405414	22.497	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	484042	28.008	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	2046553	283.869	ug/L	98
42) Toluene	7.323	91	1267408	25.707	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	403342	27.009	ug/L	98

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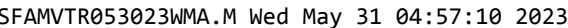
Instrument :
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 ClientSampleId :
 VSTD020251

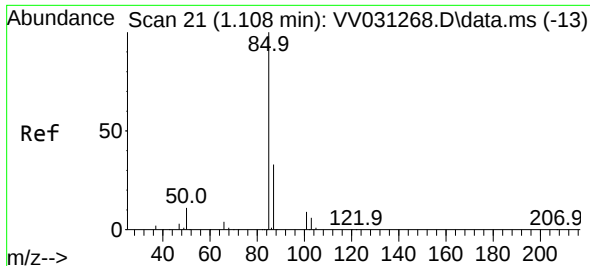
Quant Time: May 31 04:57:03 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	209627	23.965	ug/L	99
47) Tetrachloroethene	7.911	164	231092	23.329	ug/L	96
48) 2-Hexanone	8.082	43	1534111	268.888	ug/L	98
49) Dibromochloromethane	8.185	129	245424	22.641	ug/L	99
50) 1,2-Dibromoethane	8.291	107	203837	24.318	ug/L	99
51) Chlorobenzene	8.821	112	744862	23.012	ug/L	97
52) Ethylbenzene	8.953	91	1436685	26.075	ug/L	99
53) m,p-Xylene	9.079	106	512989	25.294	ug/L	97
54) o-Xylene	9.484	106	496631	25.707	ug/L	99
55) Styrene	9.503	104	872935	25.547	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	258484	23.122	ug/L	98
59) Bromoform	9.670	173	142269	22.154	ug/L	99
60) Isopropylbenzene	9.873	105	1409551	24.408	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	186889	21.724	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	1213391	25.848	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	1247361	25.978	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	628495	22.661	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	625458	22.383	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	576105	22.134	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	46235	24.178	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	471403	21.337	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	394868	23.032	ug/L	99
71) Naphthalene	13.445	128	636522	24.818	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	349329	23.717	ug/L	99

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

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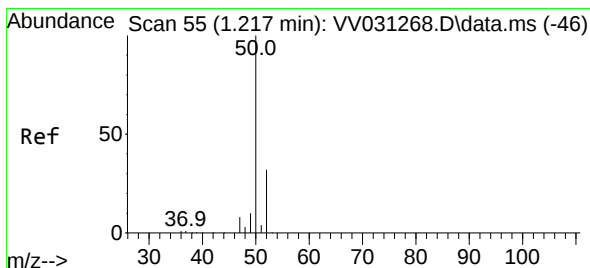
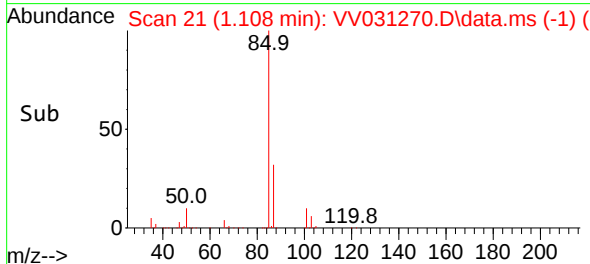
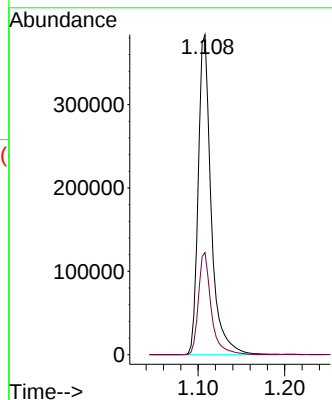
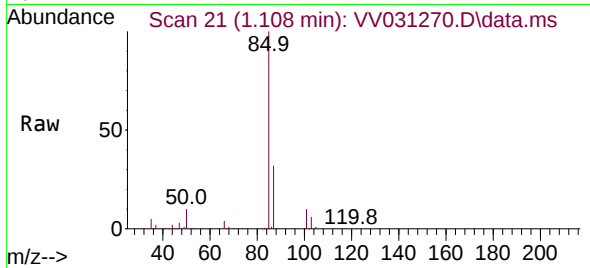




#2
Dichlorodifluoromethane
Concen: 26.174 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

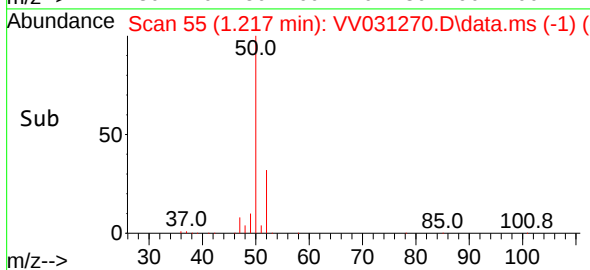
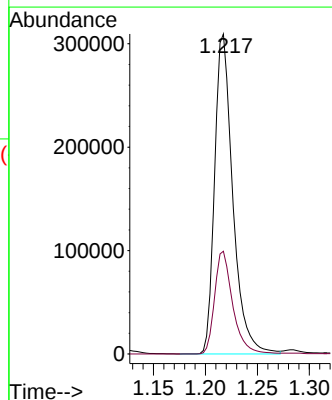
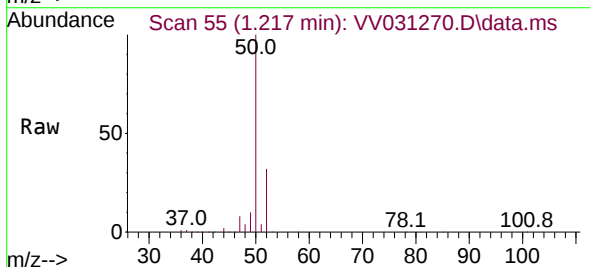
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VSTD020251

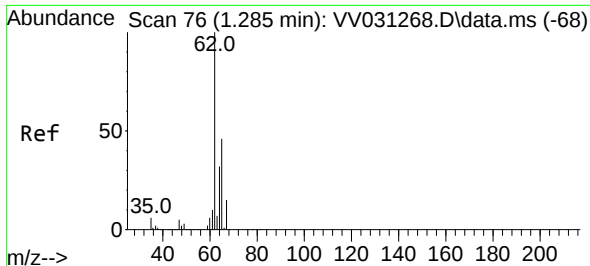
Tgt Ion: 85 Resp: 397914
Ion Ratio Lower Upper
85 100
87 31.6 26.1 39.1



#3
Chloromethane
Concen: 22.847 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 50 Resp: 376937
Ion Ratio Lower Upper
50 100
52 32.1 22.3 41.5

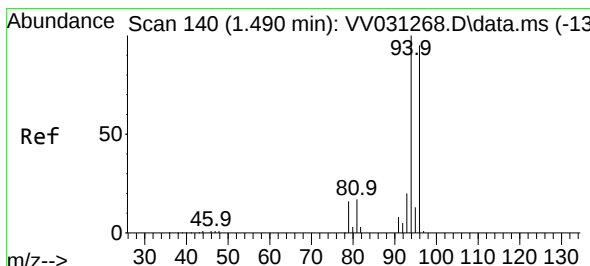
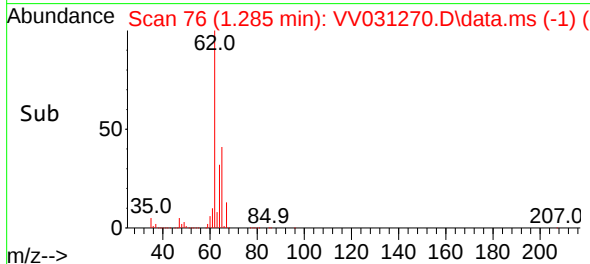
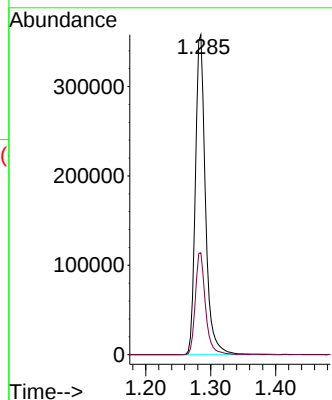
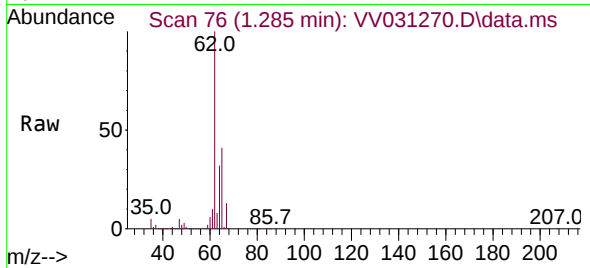




#5
 Vinyl chloride
 Concen: 24.354 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

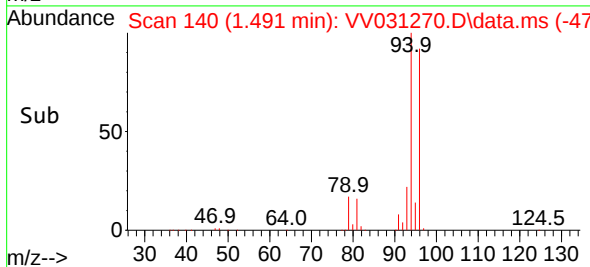
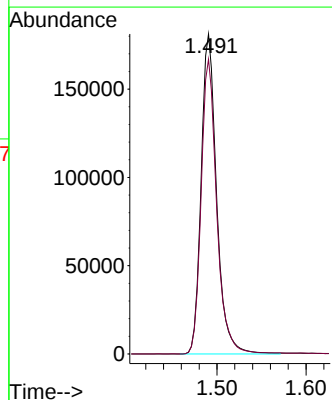
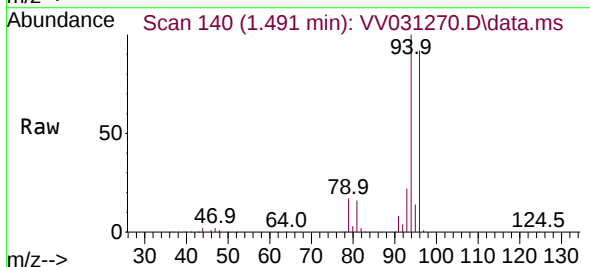
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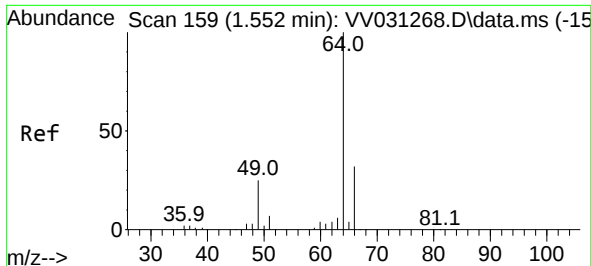
Tgt Ion: 62 Resp: 387370
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.5 41.7



#6
 Bromomethane
 Concen: 26.482 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

Tgt Ion: 94 Resp: 218350
 Ion Ratio Lower Upper
 94 100
 96 92.1 66.3 123.1

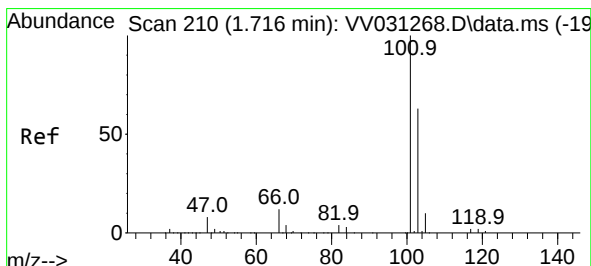
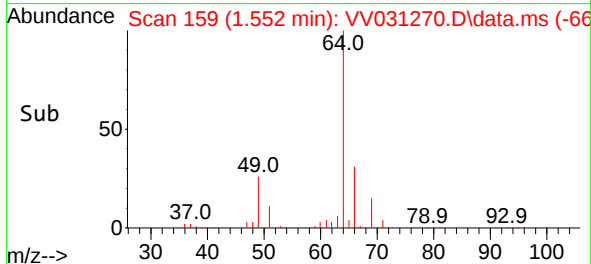
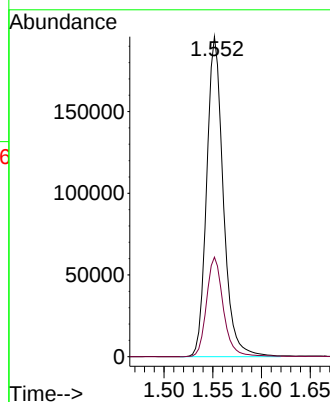
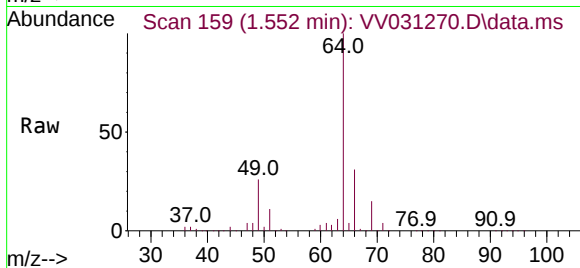




#8
Chloroethane
Concen: 26.515 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

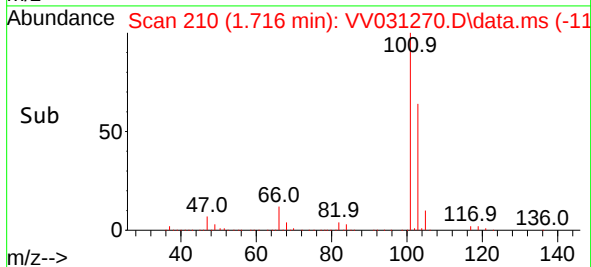
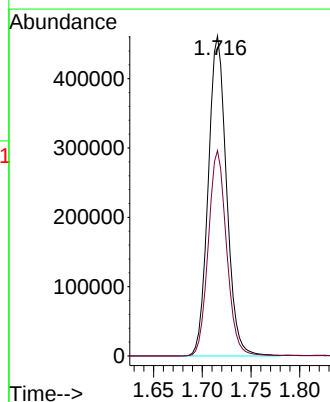
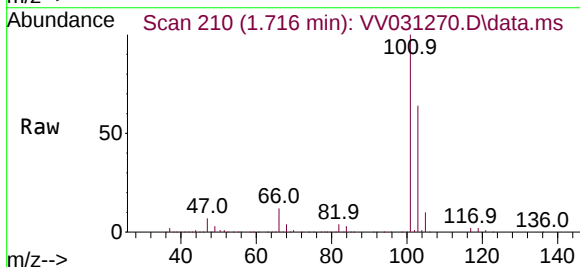
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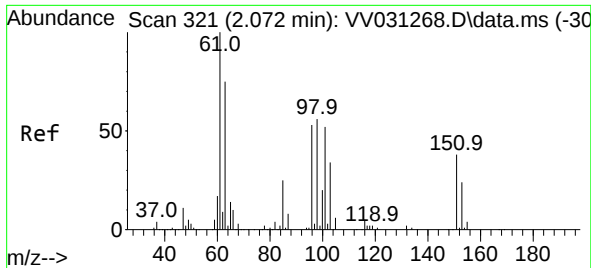
Tgt Ion: 64 Resp: 232481
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 27.245 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion:101 Resp: 604273
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

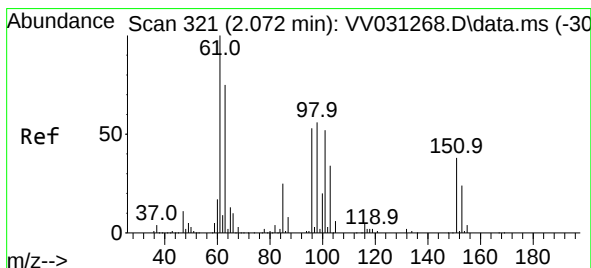
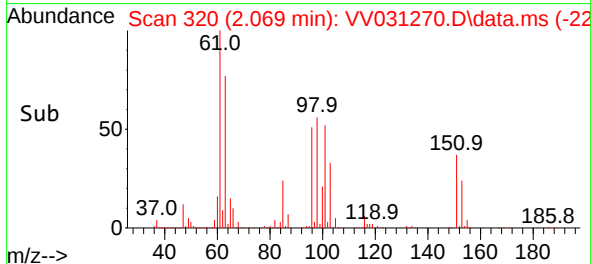
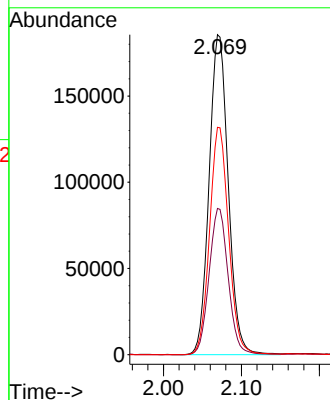
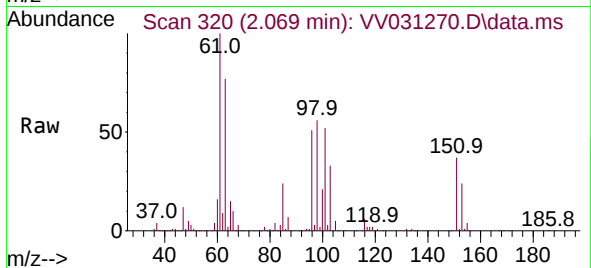




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.737 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

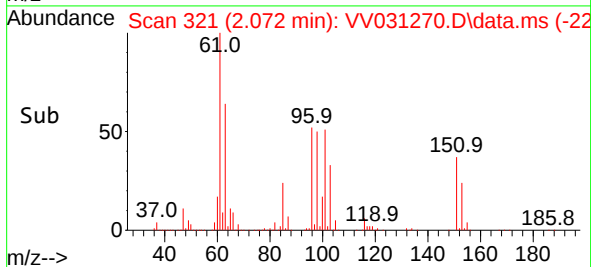
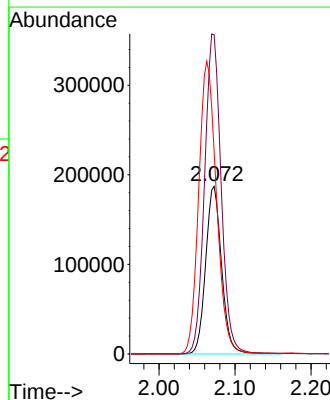
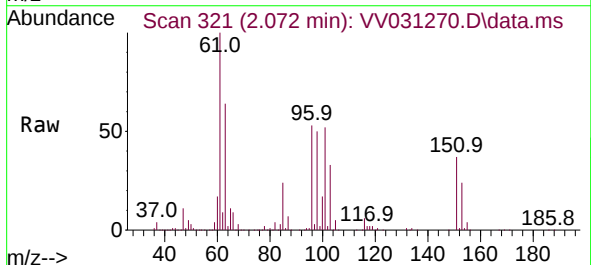
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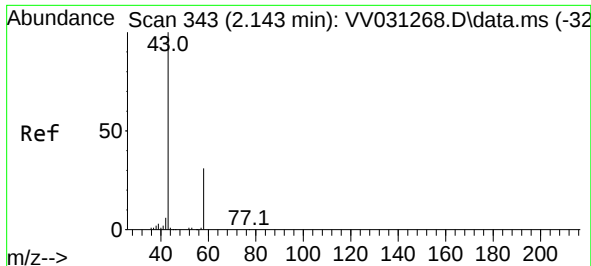
Tgt Ion:101 Resp: 316725
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 55.0
 151 70.7 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 28.073 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

Tgt Ion: 96 Resp: 272296
 Ion Ratio Lower Upper
 96 100
 61 190.5 132.9 246.9
 63 121.1 100.4 186.6





#13

Acetone

Concen: 259.228 ug/L

RT: 2.146 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

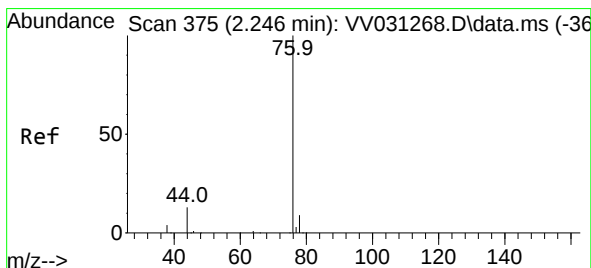
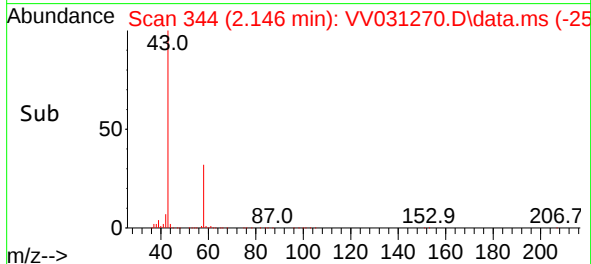
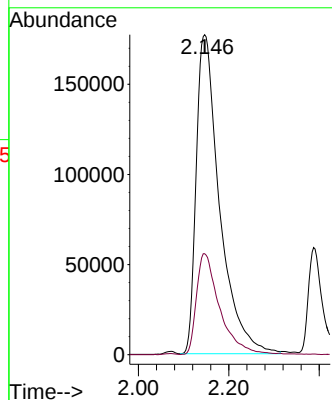
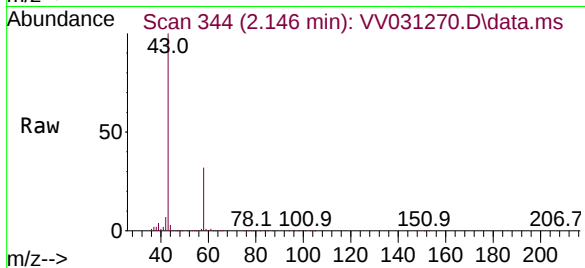
VSTD020251

Tgt Ion: 43 Resp: 635872

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



#14

Carbon disulfide

Concen: 28.909 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031270.D

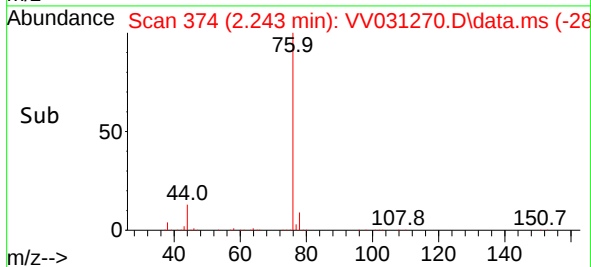
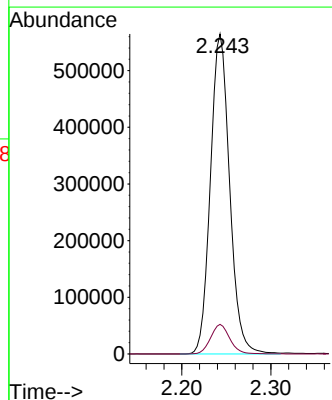
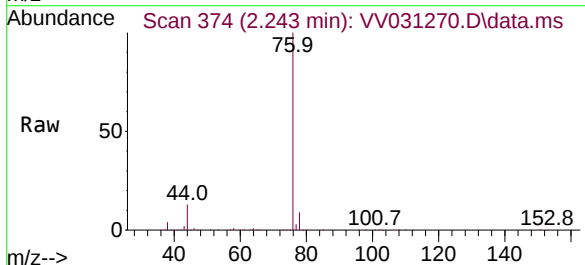
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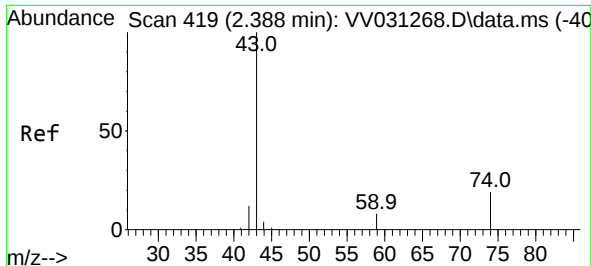
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Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

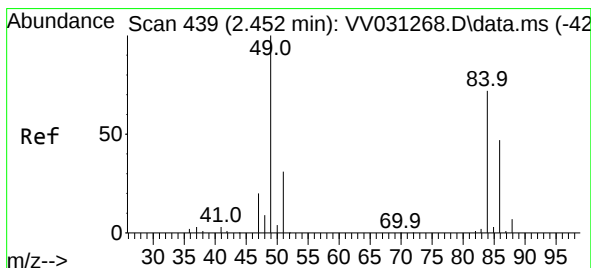
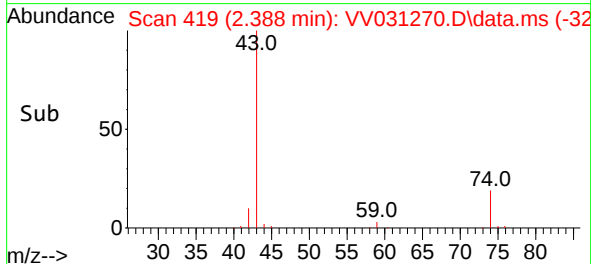
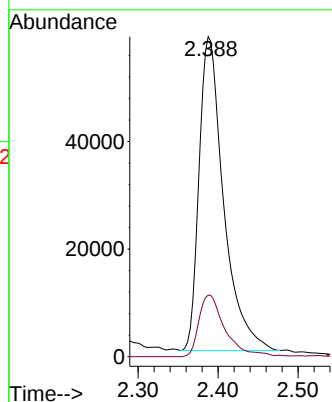
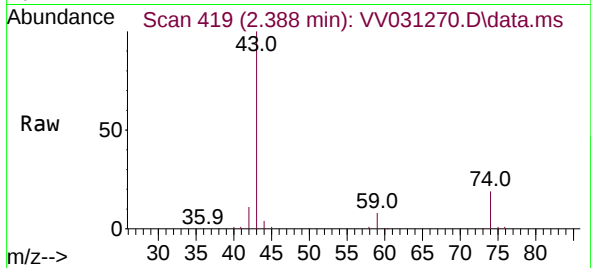




#15
Methyl Acetate
Concen: 24.758 ug/L
RT: 2.388 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

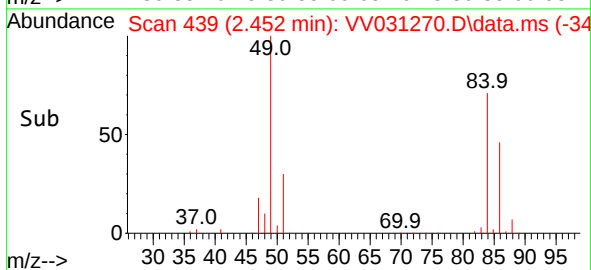
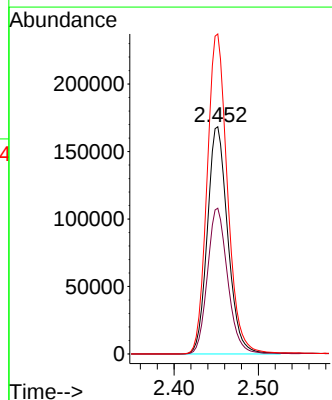
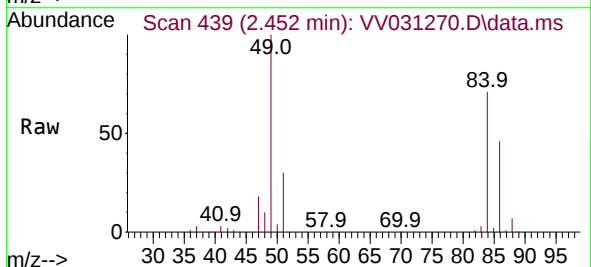
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

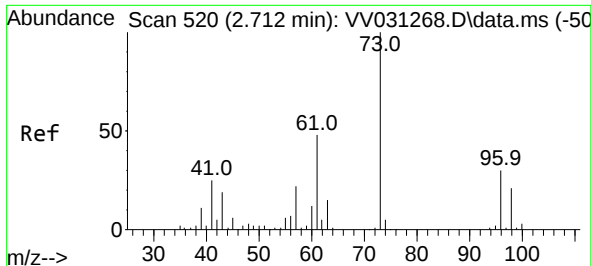
Tgt Ion: 43 Resp: 124433
Ion Ratio Lower Upper
43 100
74 20.9 17.4 26.2



#16
Methylene chloride
Concen: 19.255 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 84 Resp: 284170
Ion Ratio Lower Upper
84 100
86 64.1 45.1 83.9
49 140.9 97.0 180.2





#17

Methyl tert-butyl Ether

Concen: 26.323 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

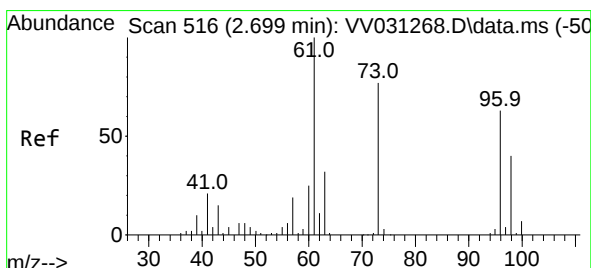
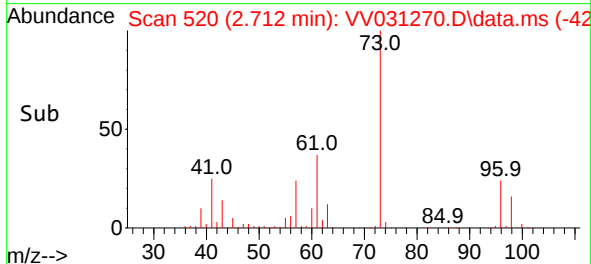
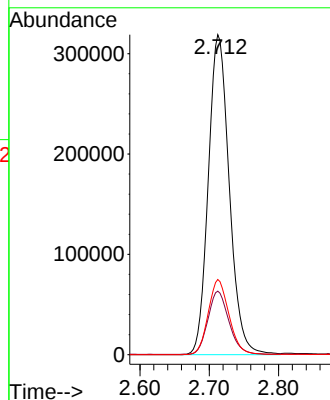
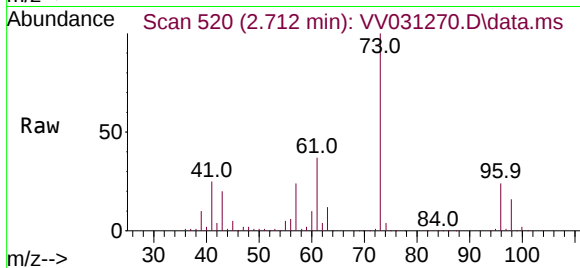
Tgt Ion: 73 Resp: 670790

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

57 23.2 19.0 28.4



#18

trans-1,2-Dichloroethene

Concen: 25.691 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

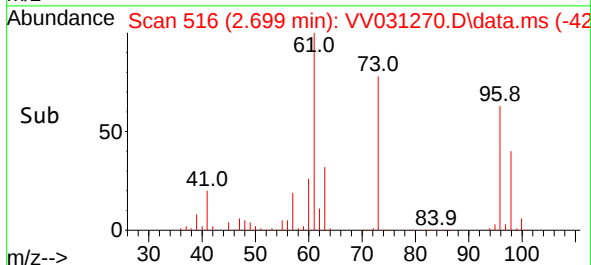
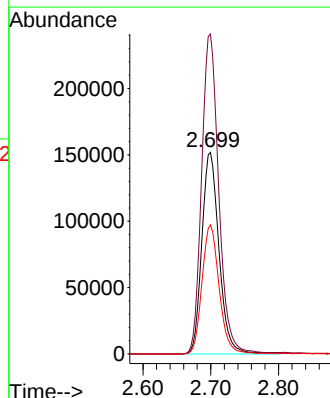
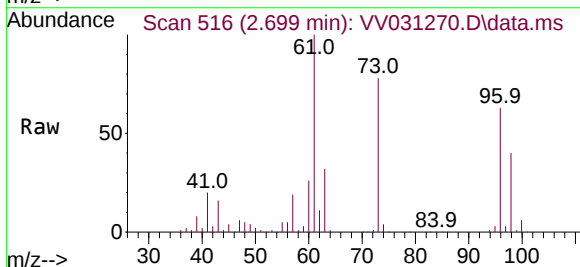
Tgt Ion: 96 Resp: 267368

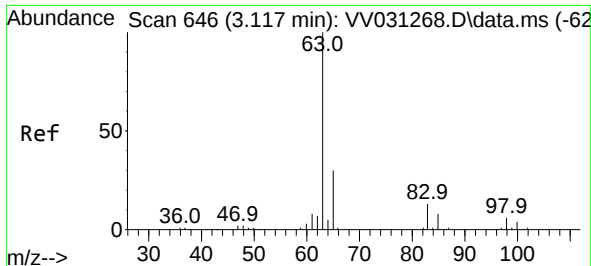
Ion Ratio Lower Upper

96 100

61 158.7 110.7 205.5

98 64.0 44.6 82.8





#19

1,1-Dichloroethane

Concen: 23.001 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

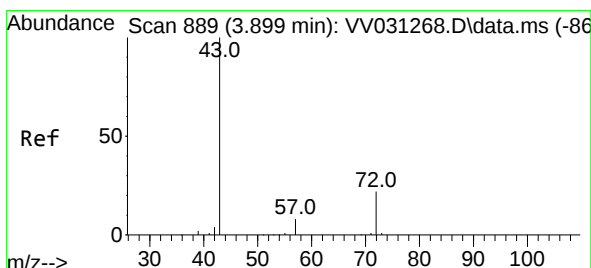
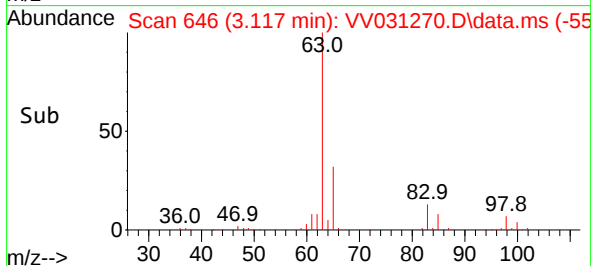
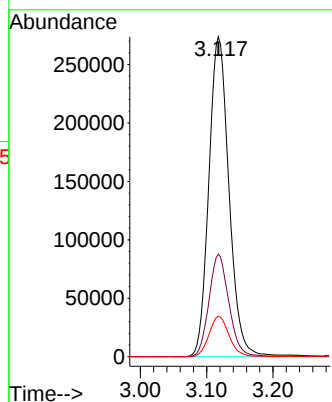
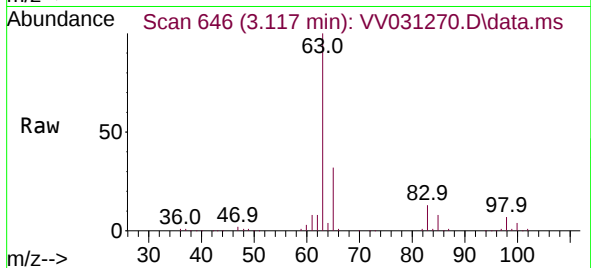
Tgt Ion: 63 Resp: 577190

Ion Ratio Lower Upper

63 100

65 32.1 20.9 38.9

83 12.7 9.1 16.9



#21

2-Butanone

Concen: 288.692 ug/L

RT: 3.892 min Scan# 887

Delta R.T. -0.006 min

Lab File: VV031270.D

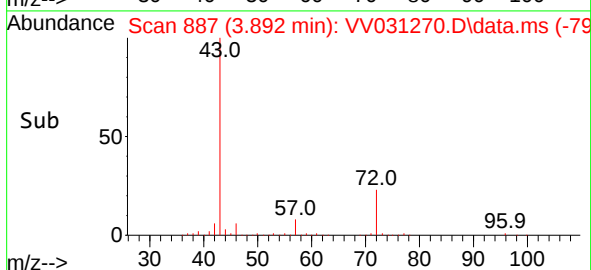
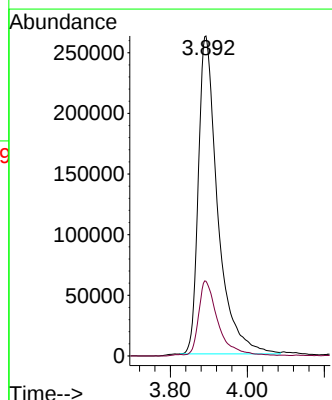
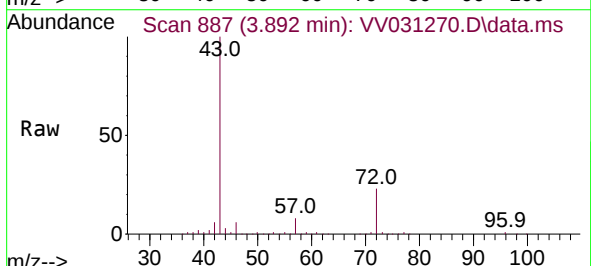
Acq: 30 May 2023 15:56

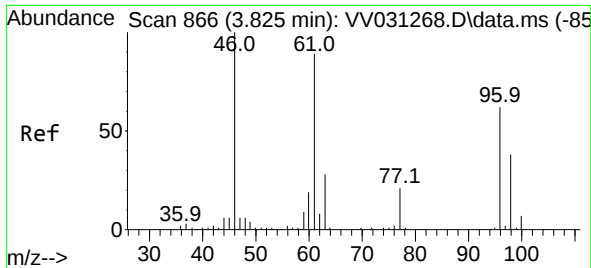
Tgt Ion: 43 Resp: 916551

Ion Ratio Lower Upper

43 100

72 23.3 10.6 31.8



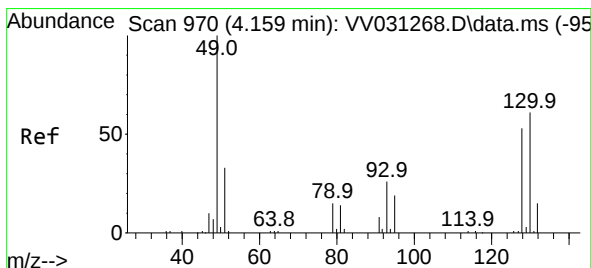
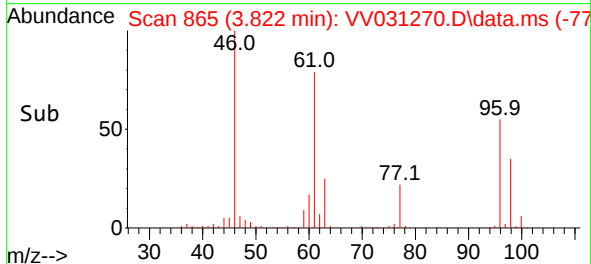
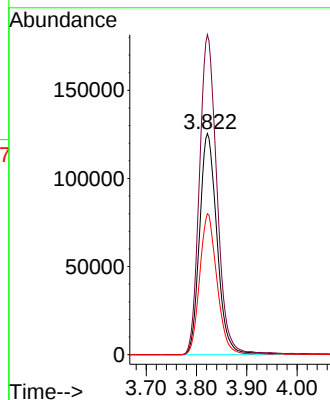
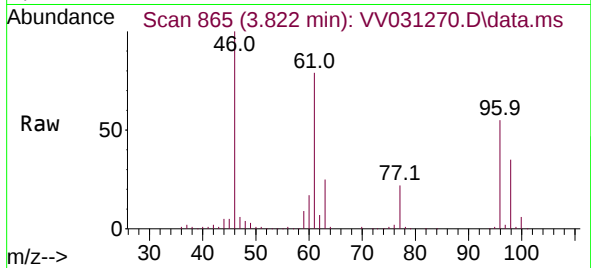


#22
 cis-1,2-Dichloroethene
 Concen: 25.783 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. -0.003 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020251

Tgt Ion: 96 Resp: 303016

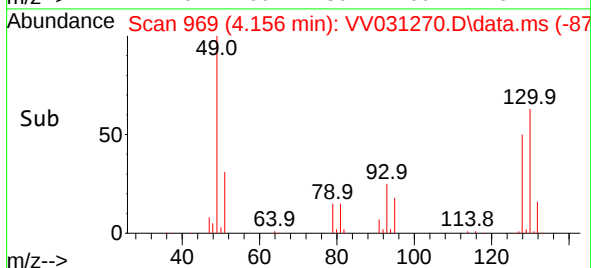
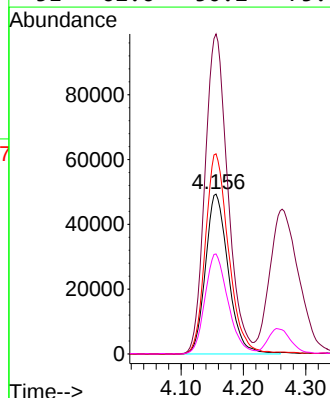
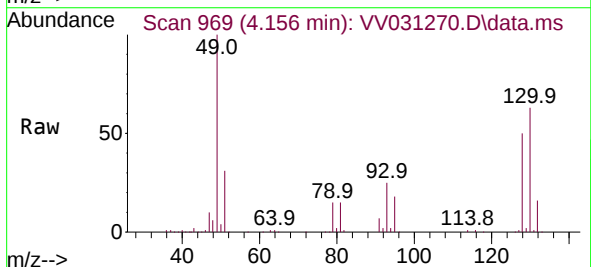
Ion	Ratio	Lower	Upper
96	100		
61	144.7	100.5	186.7
98	63.7	42.9	79.7

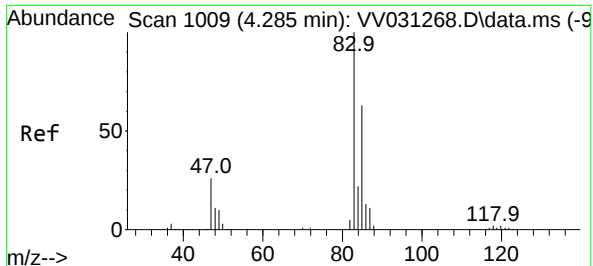


#23
 Bromochloromethane
 Concen: 24.094 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.003 min
 Lab File: VV031270.D
 Acq: 30 May 2023 15:56

Tgt Ion: 128 Resp: 125172

Ion	Ratio	Lower	Upper
128	100		
49	200.2	132.5	246.1
130	125.2	80.9	150.3
51	62.6	50.2	75.4





#25

Chloroform

Concen: 22.921 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

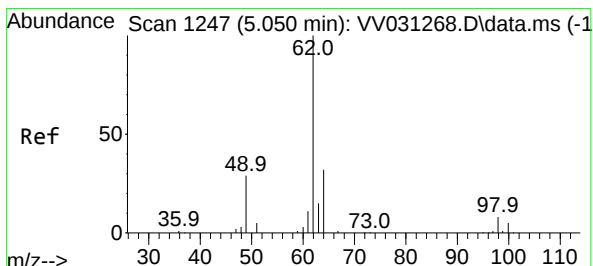
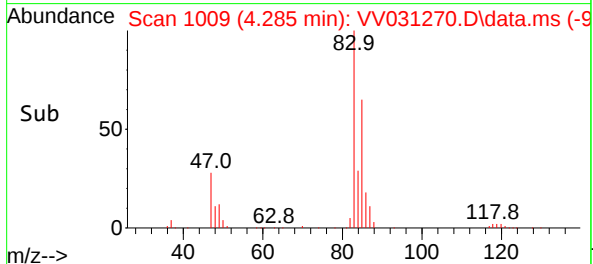
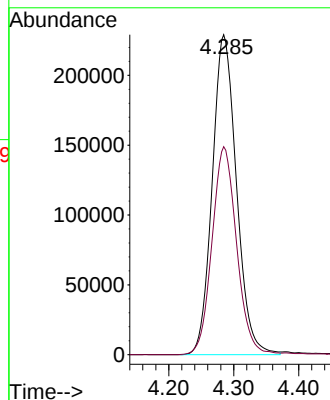
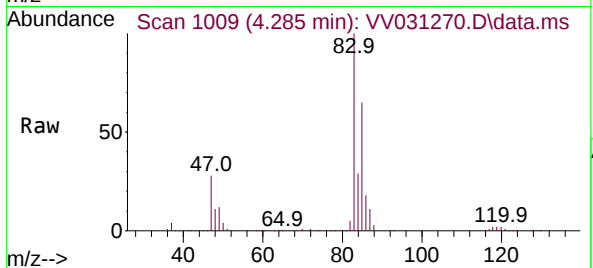
VSTD020251

Tgt Ion: 83 Resp: 592897

Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.6



#27

1,2-Dichloroethane

Concen: 24.930 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV031270.D

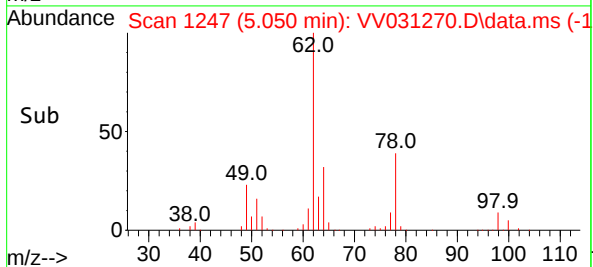
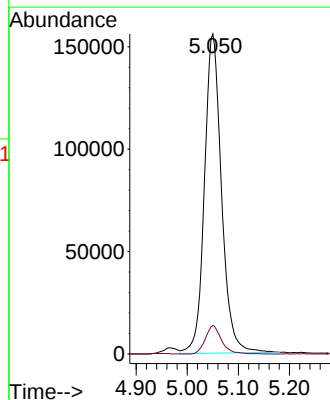
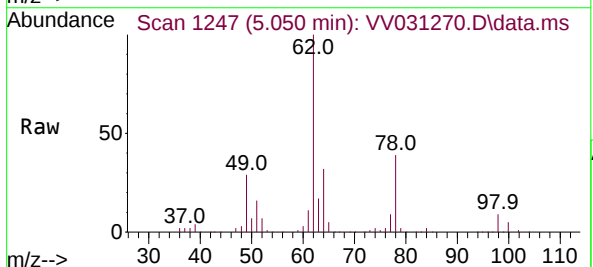
Acq: 30 May 2023 15:56

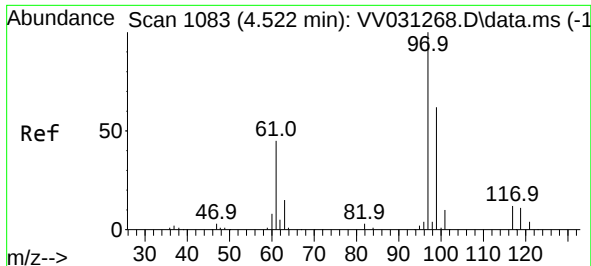
Tgt Ion: 62 Resp: 361996

Ion Ratio Lower Upper

62 100

98 8.9 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 20.631 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

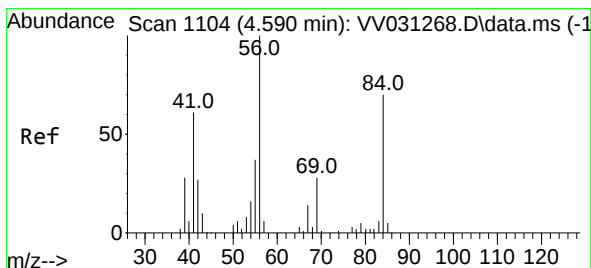
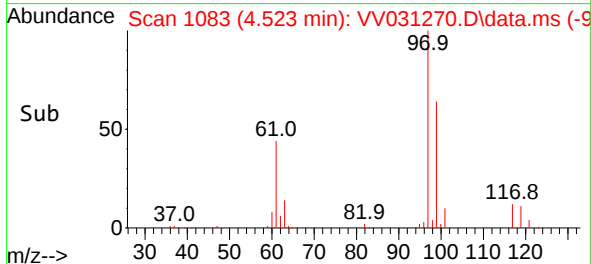
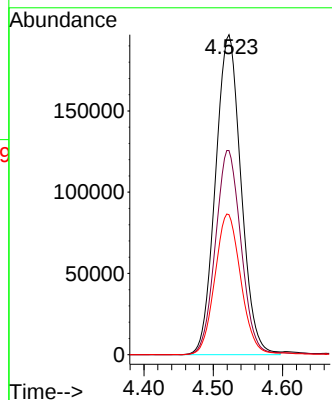
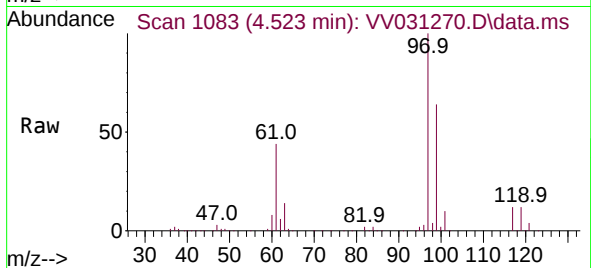
Tgt Ion: 97 Resp: 505267

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 44.5 36.2 54.4



#30

Cyclohexane

Concen: 28.042 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

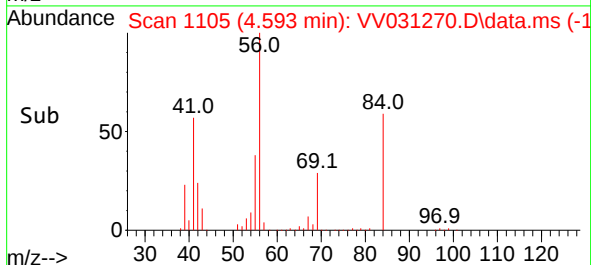
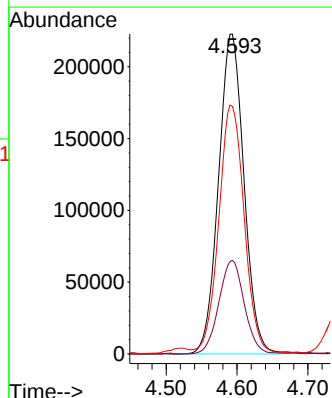
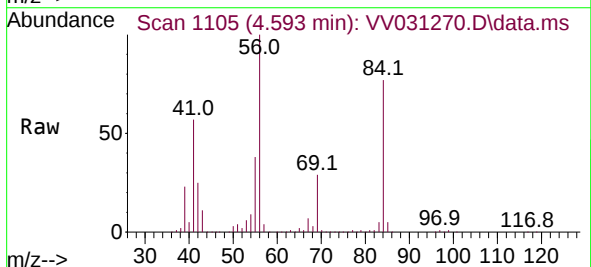
Tgt Ion: 56 Resp: 555358

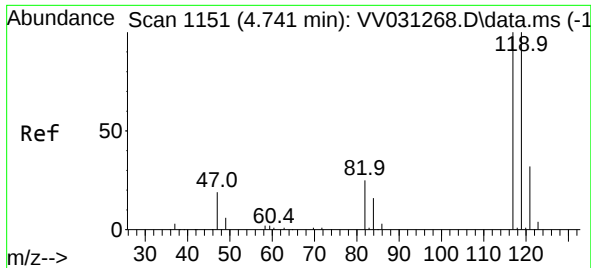
Ion Ratio Lower Upper

56 100

69 29.3 23.4 35.2

84 78.4 59.6 89.4

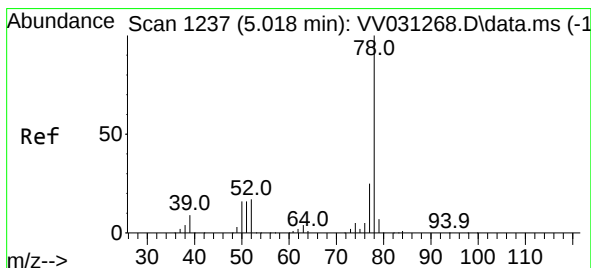
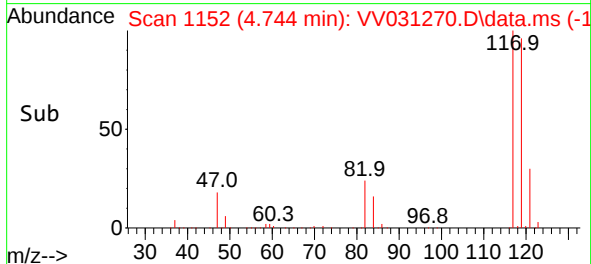
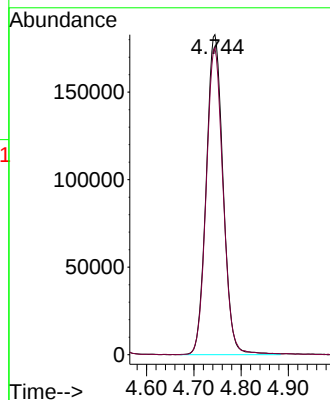
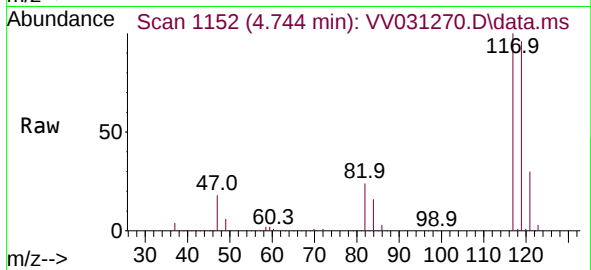




#31
Carbon tetrachloride
Concen: 21.337 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

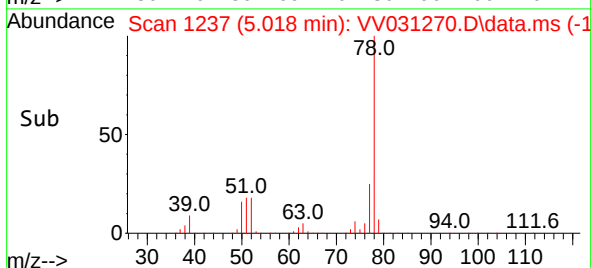
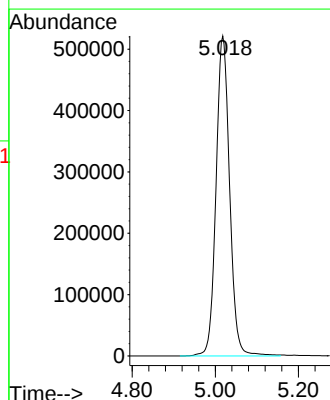
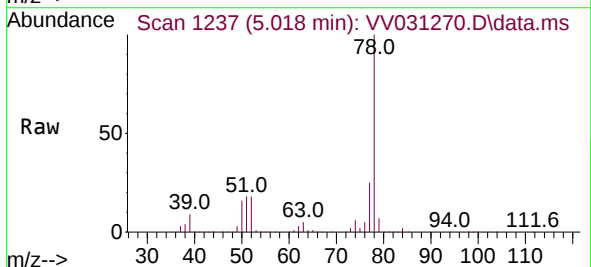
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

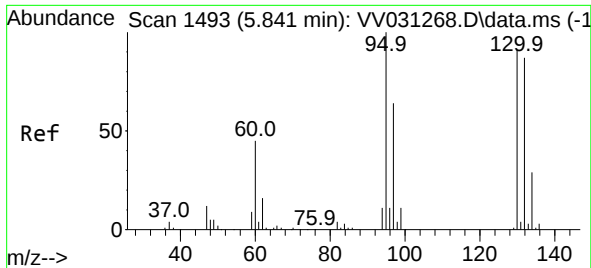
Tgt Ion:117 Resp: 453627
Ion Ratio Lower Upper
117 100
119 96.2 78.7 118.1



#33
Benzene
Concen: 23.606 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 78 Resp: 1183202

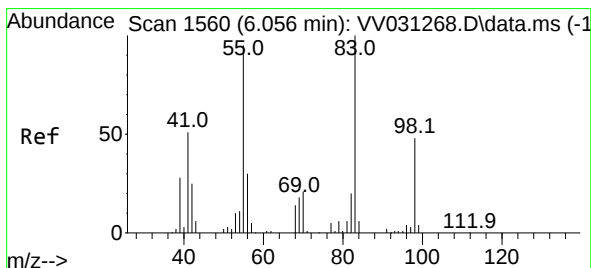
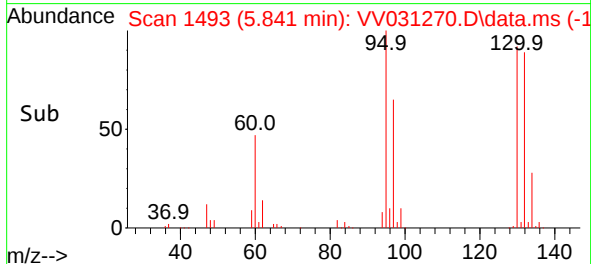
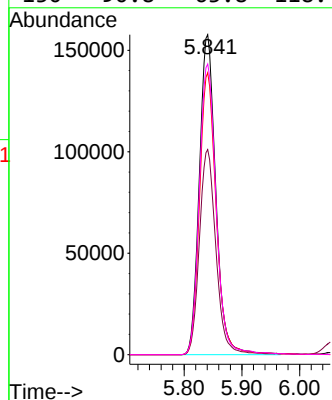
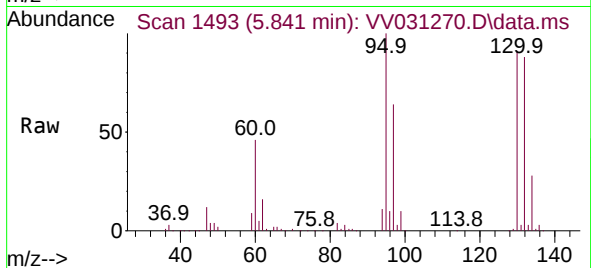




#34
Trichloroethene
Concen: 23.222 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

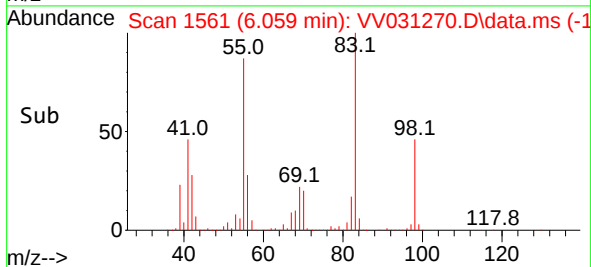
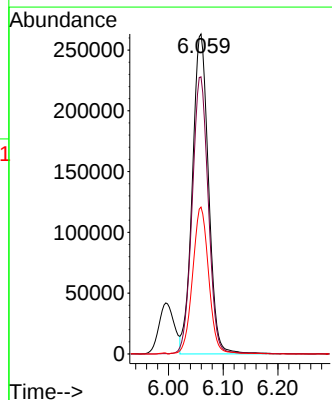
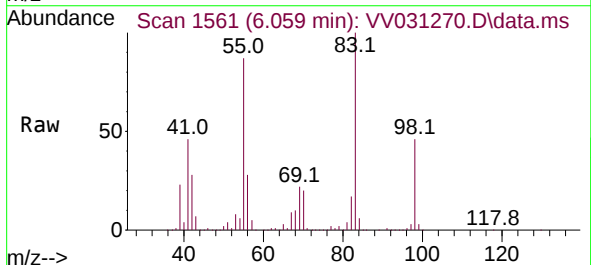
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

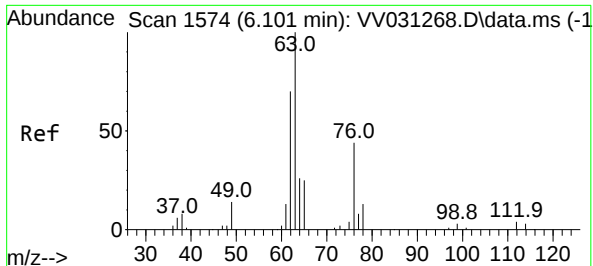
Tgt Ion: 95 Resp: 312849
Ion Ratio Lower Upper
95 100
97 64.1 44.7 83.1
132 88.1 61.1 113.5
130 90.8 63.8 118.4



#35
Methylcyclohexane
Concen: 28.335 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 83 Resp: 538885
Ion Ratio Lower Upper
83 100
55 87.2 72.6 108.8
98 45.9 35.9 53.9





#37

1,2-Dichloropropane

Concen: 22.735 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

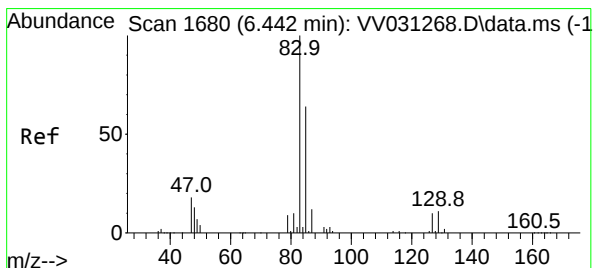
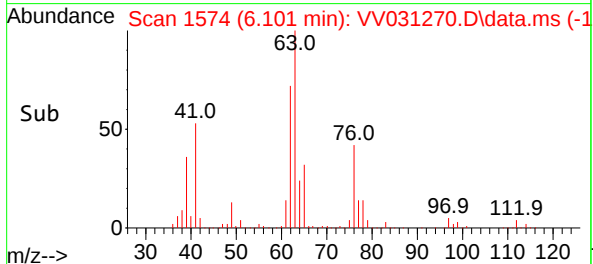
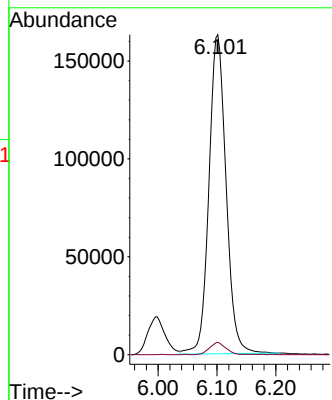
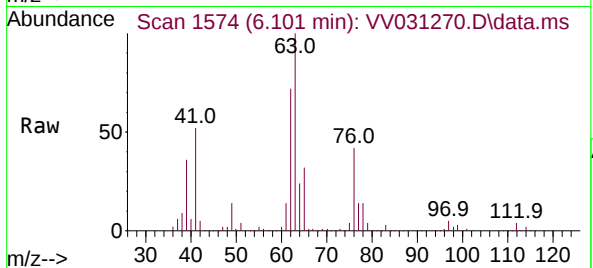
VSTD020251

Tgt Ion: 63 Resp: 329938

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 22.497 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

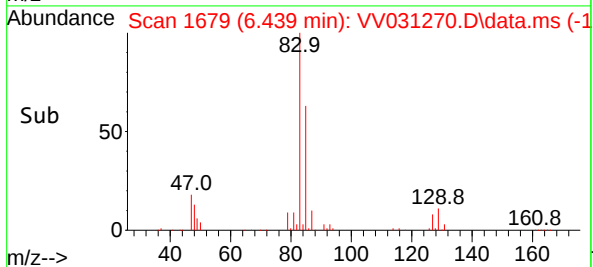
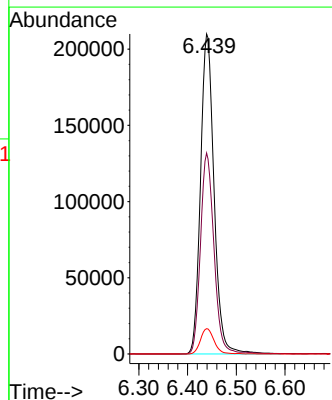
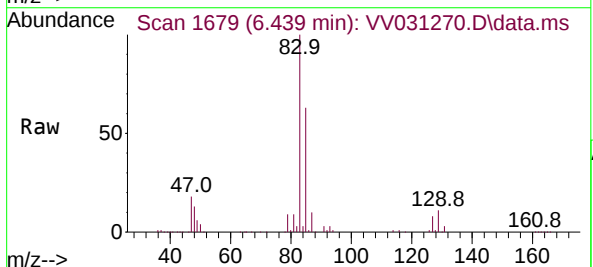
Tgt Ion: 83 Resp: 405414

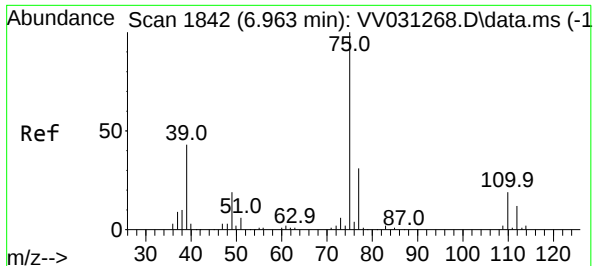
Ion Ratio Lower Upper

83 100

85 62.8 44.5 82.7

127 7.9 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 28.008 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

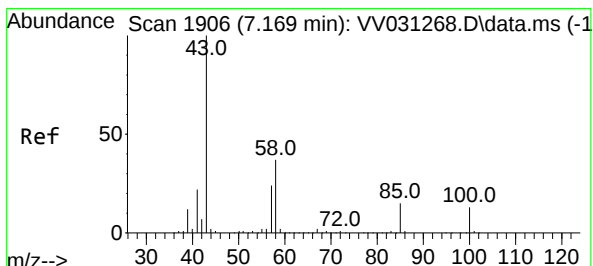
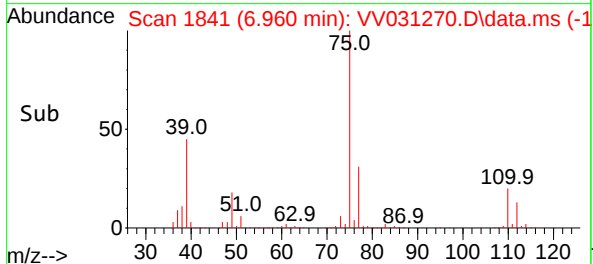
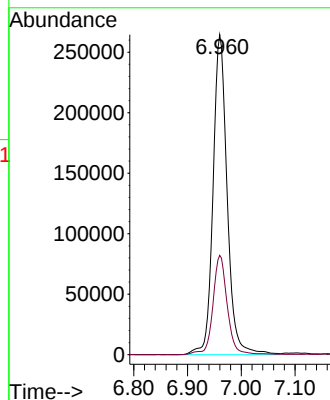
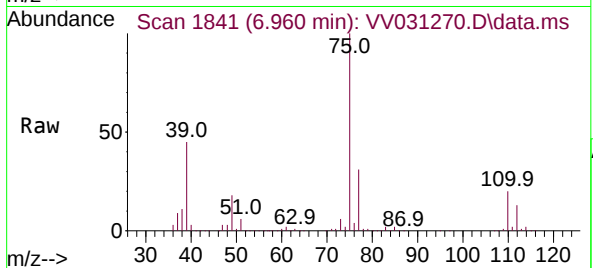
VSTD020251

Tgt Ion: 75 Resp: 484042

Ion Ratio Lower Upper

75 100

77 31.1 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 283.869 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

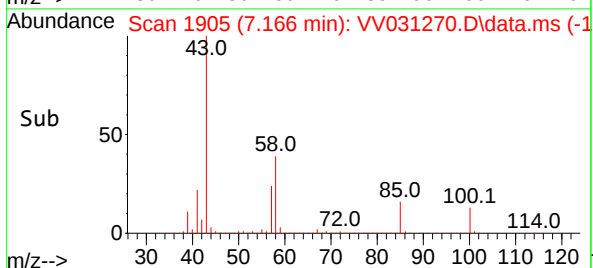
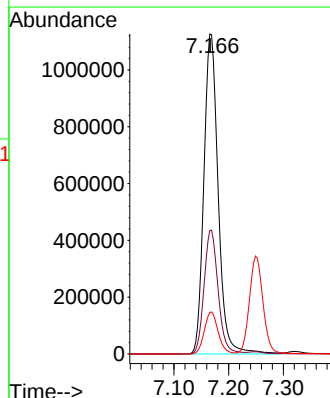
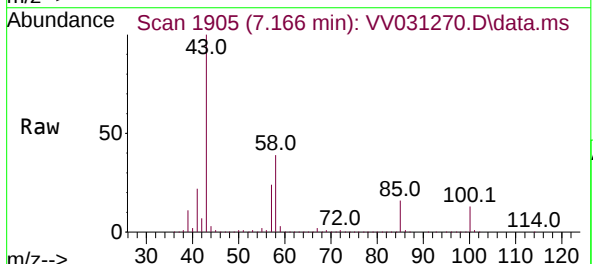
Tgt Ion: 43 Resp: 2046553

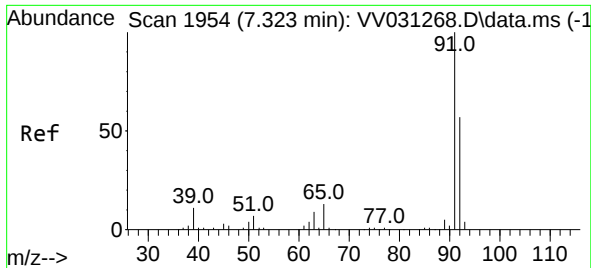
Ion Ratio Lower Upper

43 100

58 38.0 29.5 44.3

100 12.7 9.8 14.6





#42

Toluene

Concen: 25.707 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

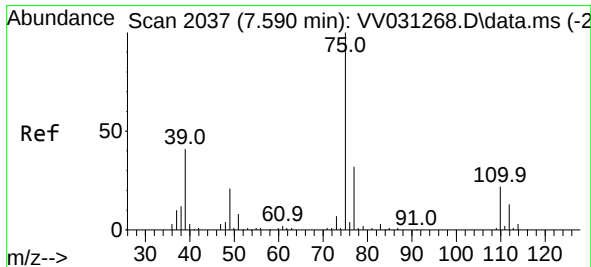
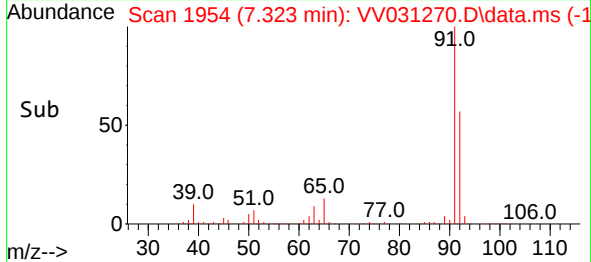
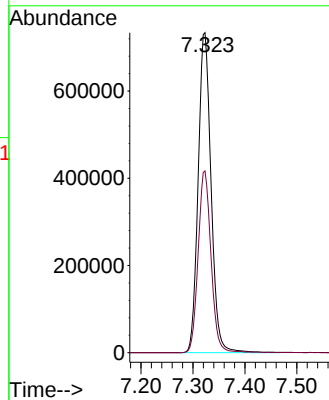
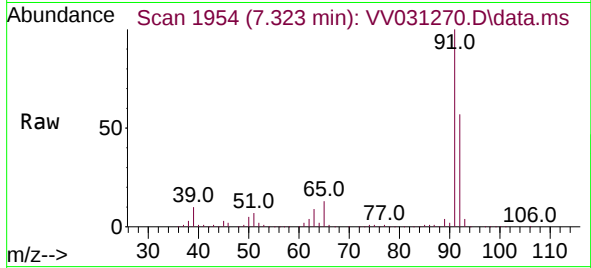
VSTD020251

Tgt Ion: 91 Resp: 1267408

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 27.009 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031270.D

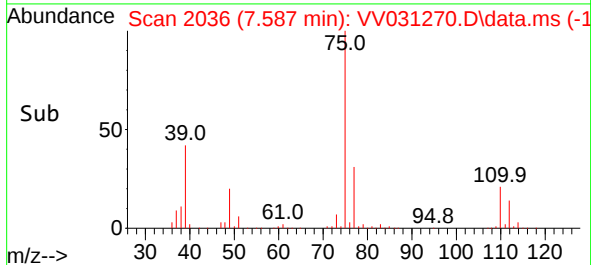
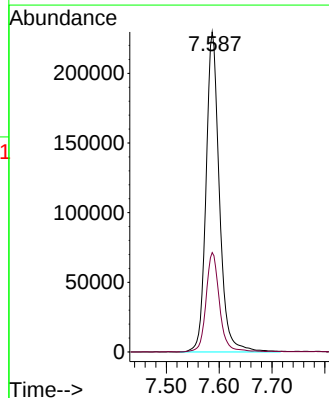
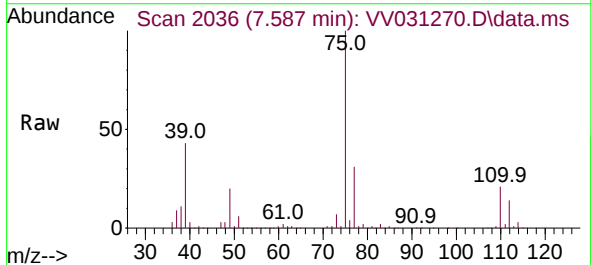
Acq: 30 May 2023 15:56

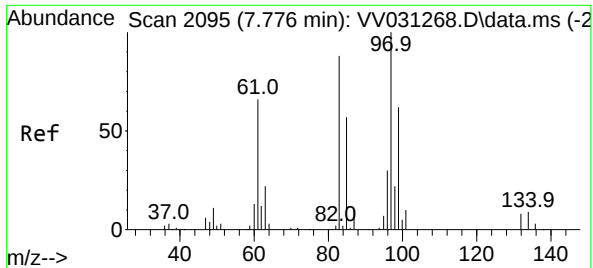
Tgt Ion: 75 Resp: 403342

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6



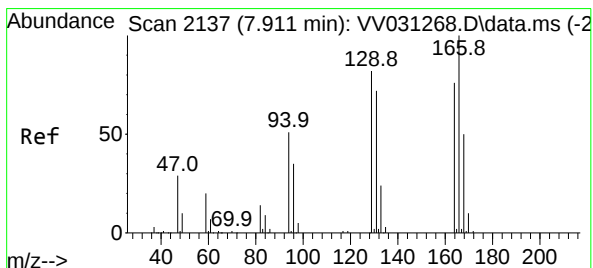
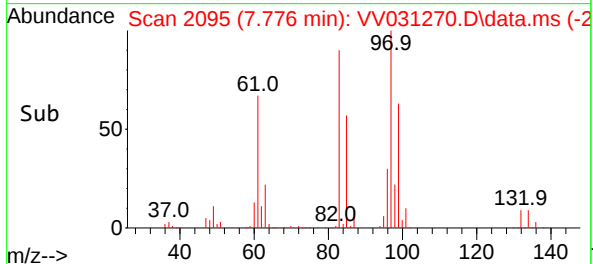
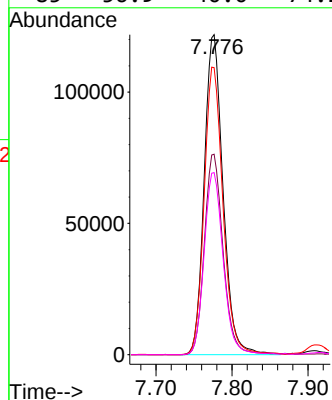
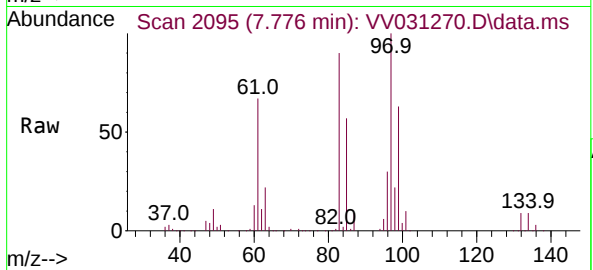


#45
1,1,2-Trichloroethane
Concen: 23.965 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

Tgt Ion: 97 Resp: 209627

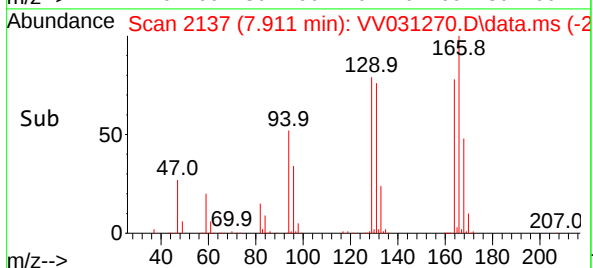
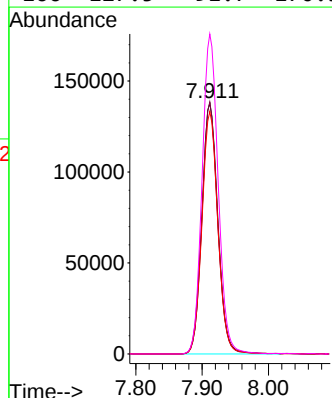
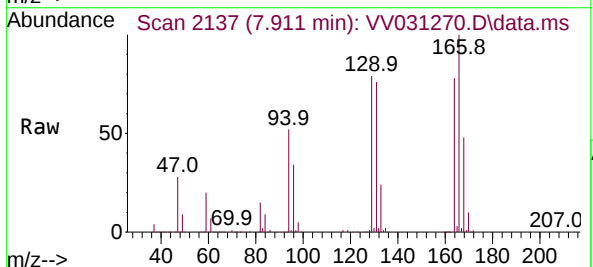
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.3
83	89.7	61.8	114.8
85	56.9	40.0	74.2

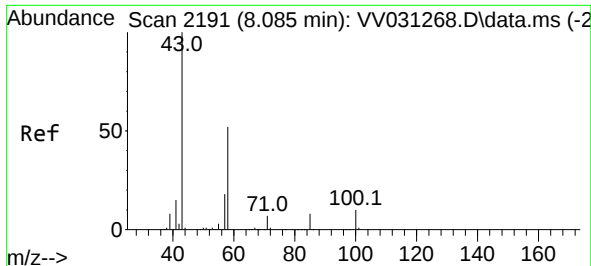


#47
Tetrachloroethene
Concen: 23.329 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 164 Resp: 231092

Ion	Ratio	Lower	Upper
164	100		
129	100.4	75.3	139.8
131	96.6	65.6	121.8
166	127.5	91.7	170.3



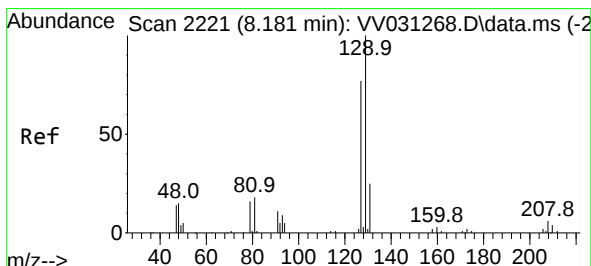
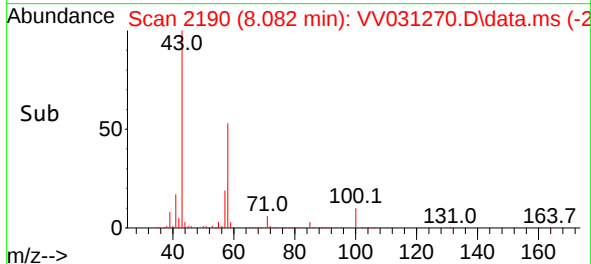
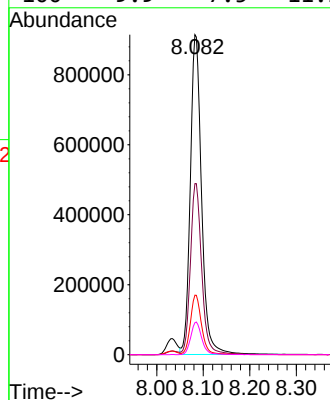
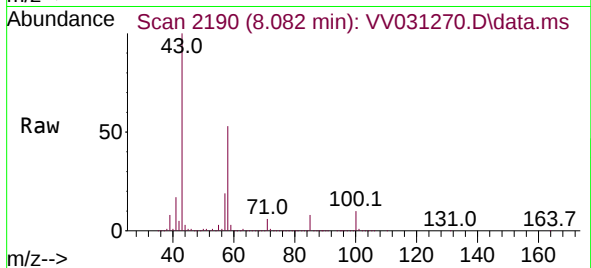


#48
2-Hexanone
Concen: 268.888 ug/L
RT: 8.082 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

Tgt Ion: 43 Resp: 1534111

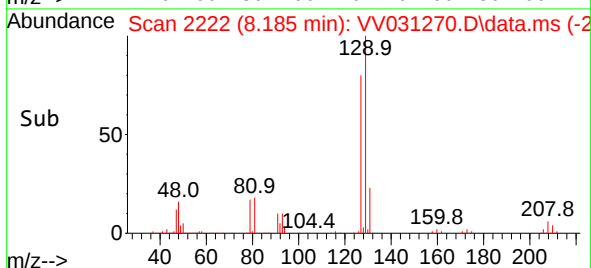
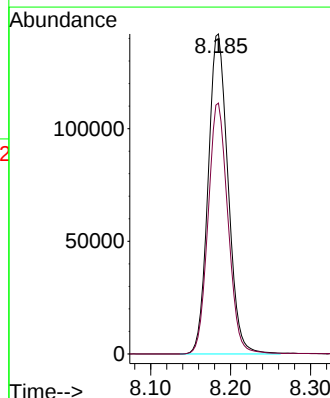
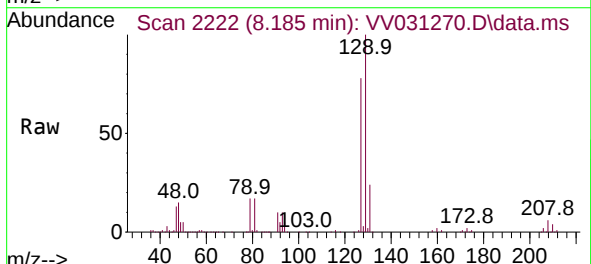
Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.2	61.8
57	18.4	14.1	21.1
100	9.9	7.5	11.3

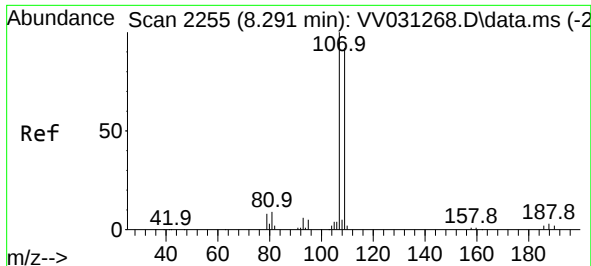


#49
Dibromochloromethane
Concen: 22.641 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 129 Resp: 245424

Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.1	100.5





#50

1,2-Dibromoethane

Concen: 24.318 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

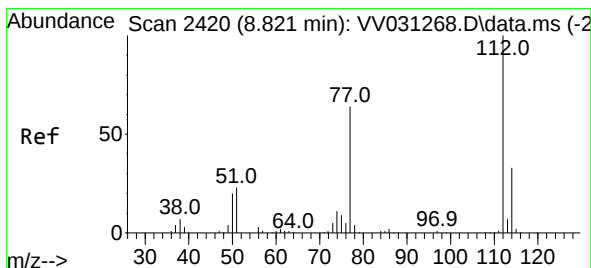
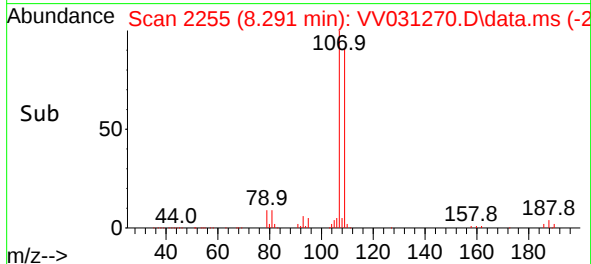
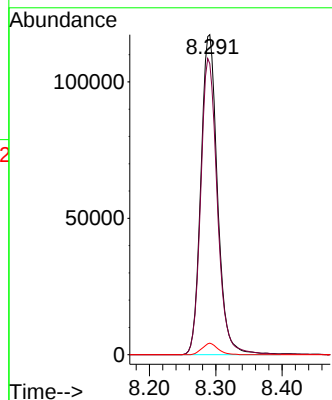
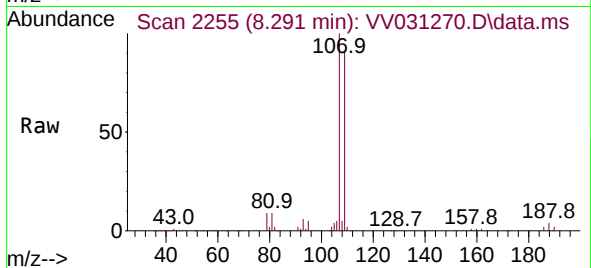
Tgt Ion:107 Resp: 203837

Ion Ratio Lower Upper

107 100

109 91.0 64.3 119.5

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 23.012 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

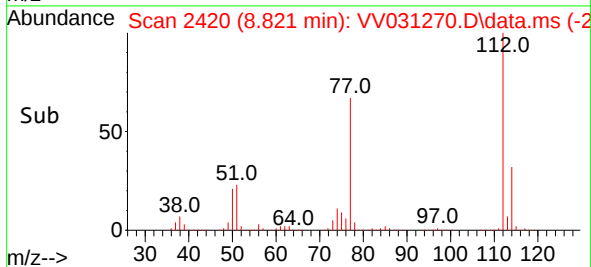
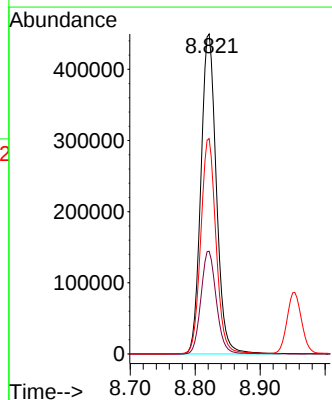
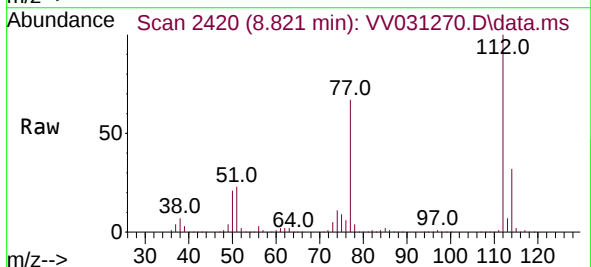
Tgt Ion:112 Resp: 744862

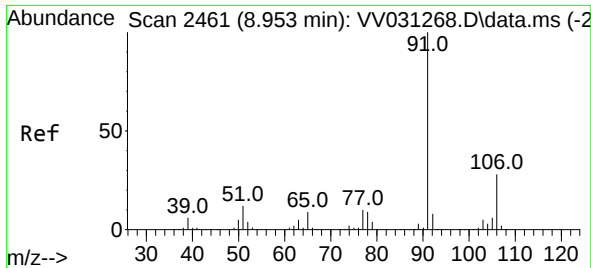
Ion Ratio Lower Upper

112 100

114 32.1 23.1 42.9

77 67.3 51.5 77.3

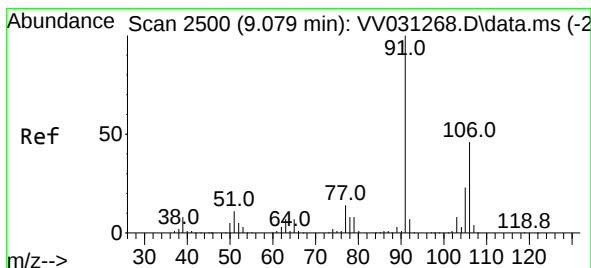
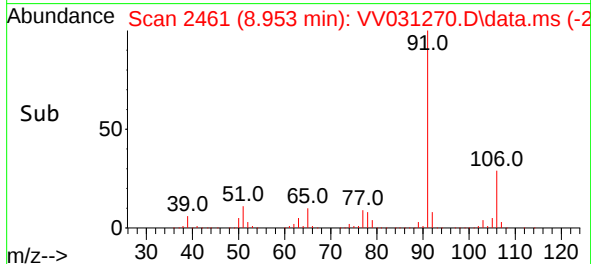
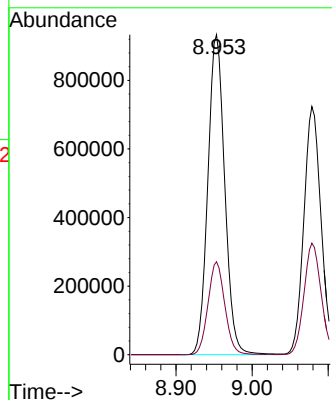
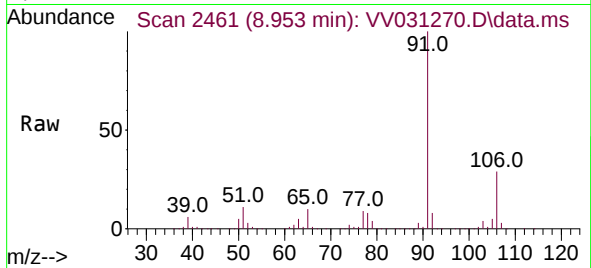




#52
Ethylbenzene
Concen: 26.075 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

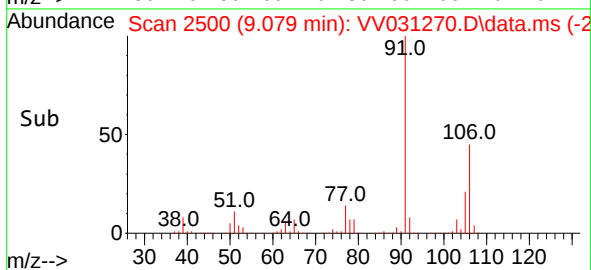
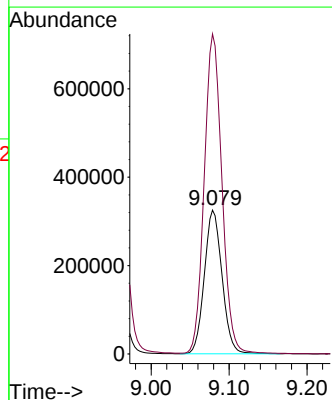
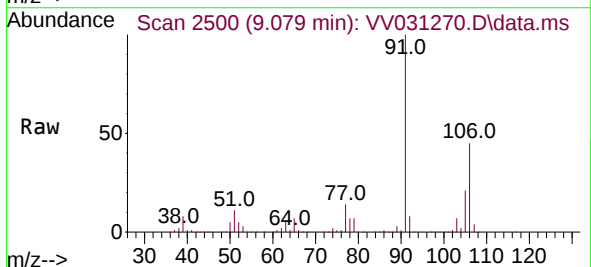
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

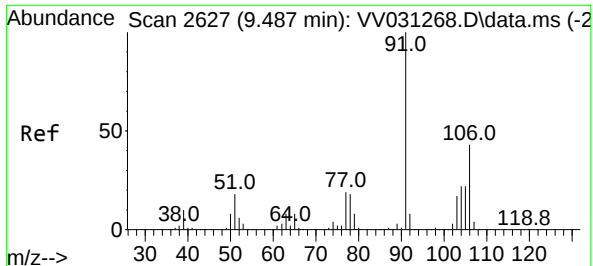
Tgt Ion: 91 Resp: 1436685
Ion Ratio Lower Upper
91 100
106 29.0 19.8 36.8



#53
m,p-Xylene
Concen: 25.294 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 106 Resp: 512989
Ion Ratio Lower Upper
106 100
91 222.5 152.3 282.9

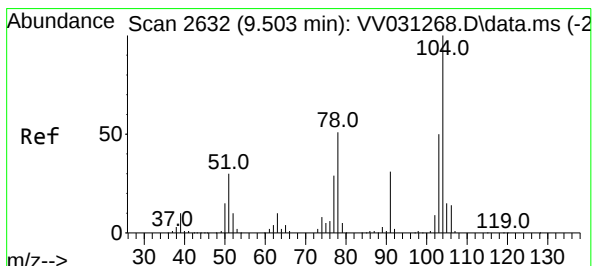
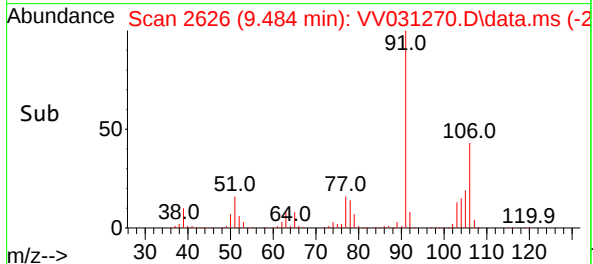
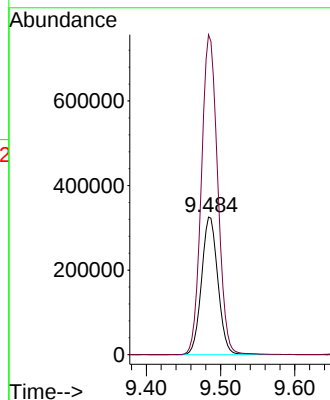
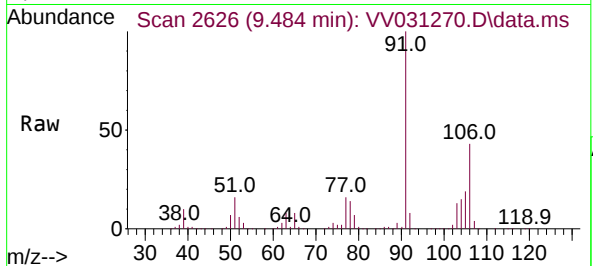




#54
o-Xylene
Concen: 25.707 ug/L
RT: 9.484 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

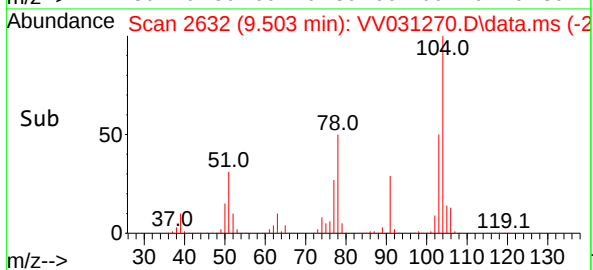
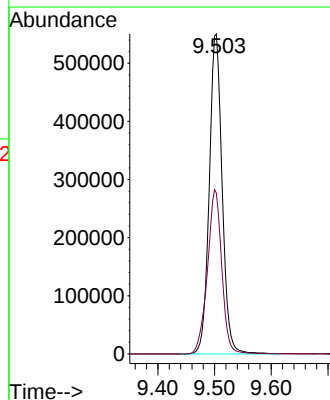
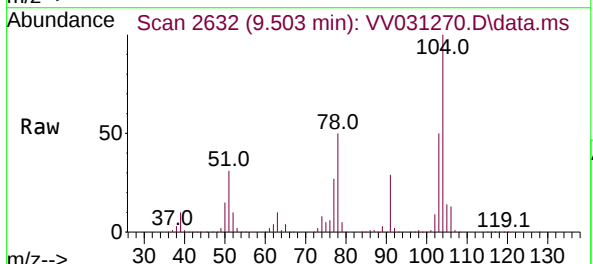
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

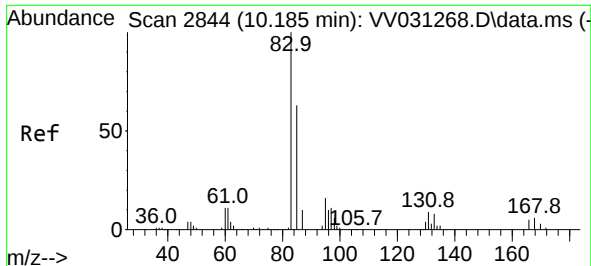
Tgt Ion:106 Resp: 496631
Ion Ratio Lower Upper
106 100
91 232.5 164.1 304.7



#55
Styrene
Concen: 25.547 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion:104 Resp: 872935
Ion Ratio Lower Upper
104 100
78 50.2 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 23.122 ug/L

RT: 10.185 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

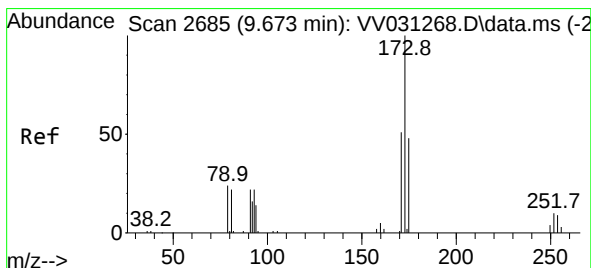
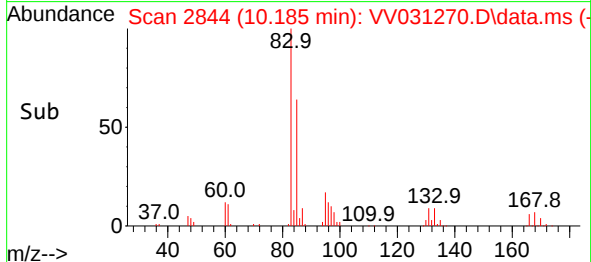
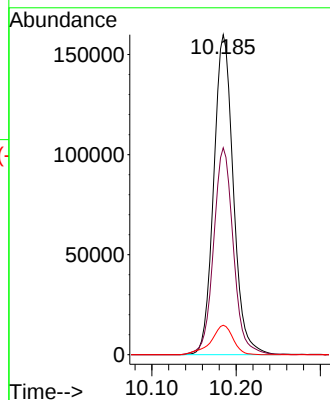
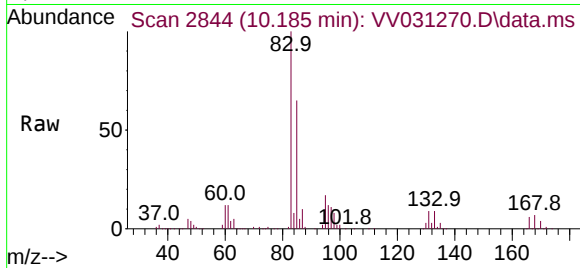
Tgt Ion: 83 Resp: 258484

Ion Ratio Lower Upper

83 100

85 64.7 43.8 81.4

131 9.2 7.0 10.6



#59

Bromoform

Concen: 22.154 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

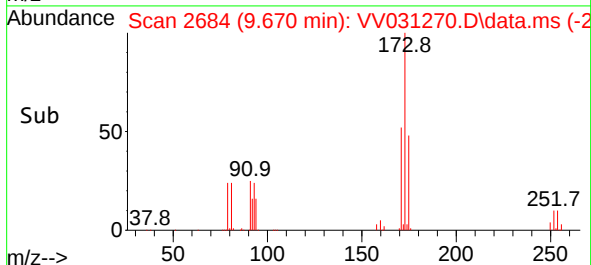
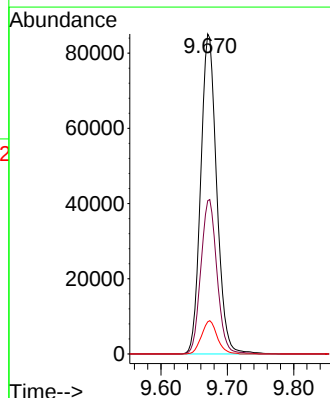
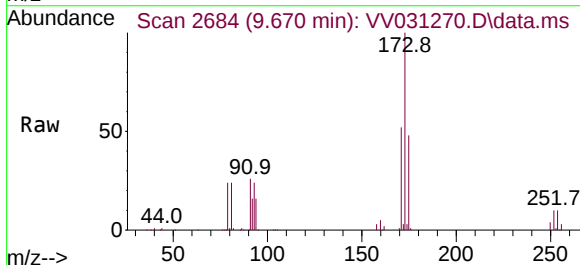
Tgt Ion: 173 Resp: 142269

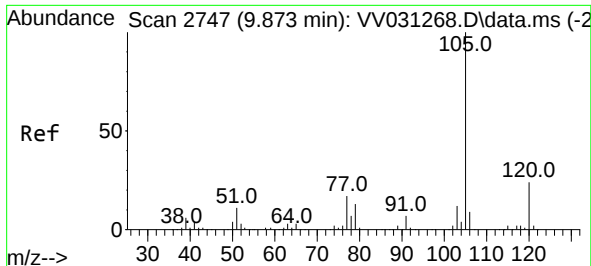
Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.4

254 10.2 8.0 12.0

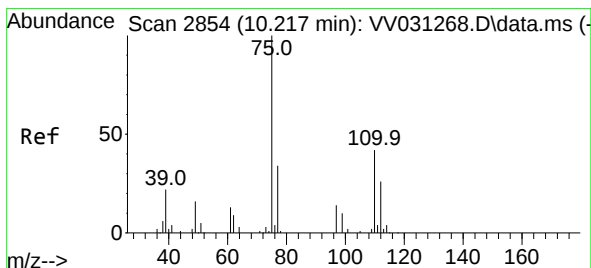
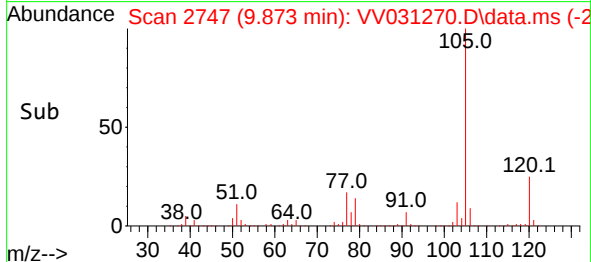
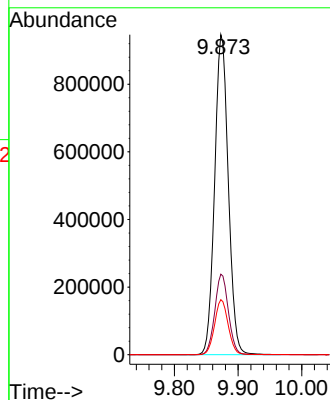
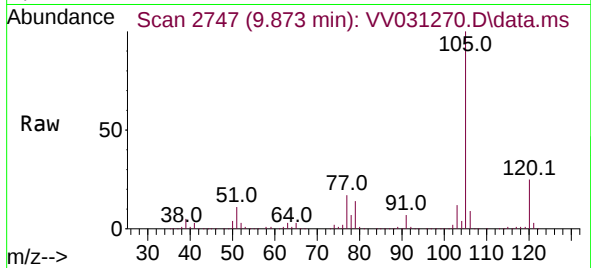




#60
Isopropylbenzene
Concen: 24.408 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

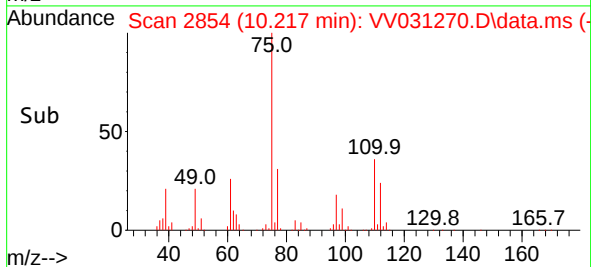
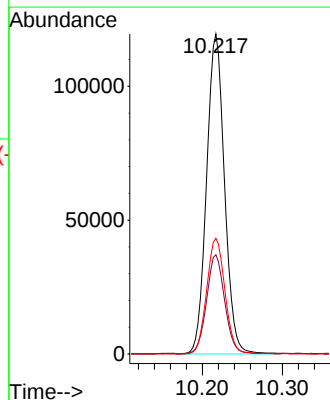
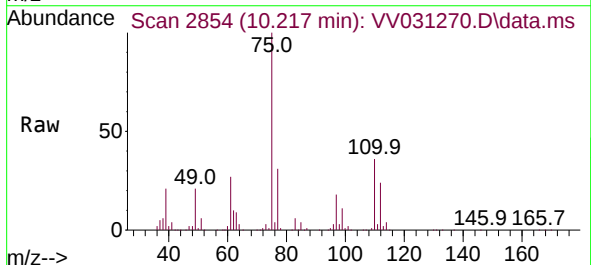
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

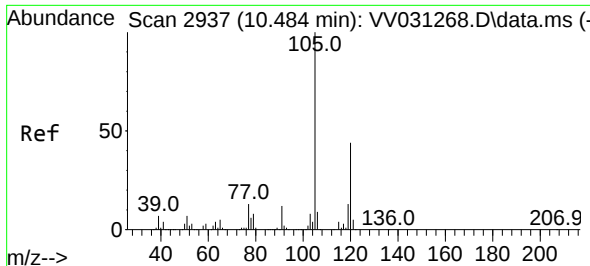
Tgt Ion:105 Resp: 1409551
Ion Ratio Lower Upper
105 100
120 25.1 19.8 29.6
77 17.1 14.0 21.0



#61
1,2,3-Trichloropropane
Concen: 21.724 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion: 75 Resp: 186889
Ion Ratio Lower Upper
75 100
77 31.5 27.0 40.6
110 36.9 31.9 47.9





#62

1,3,5-Trimethylbenzene

Concen: 25.848 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

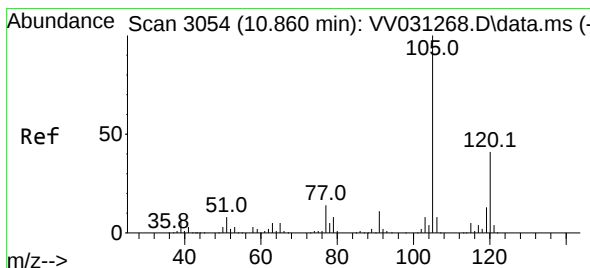
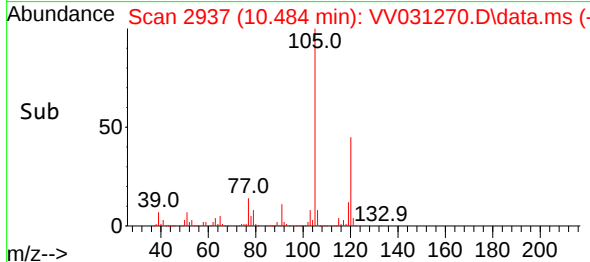
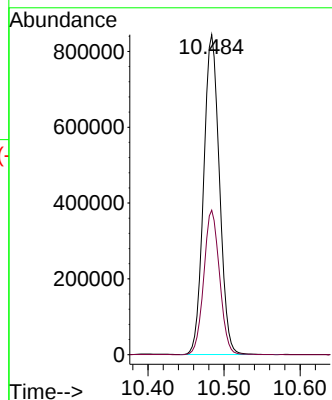
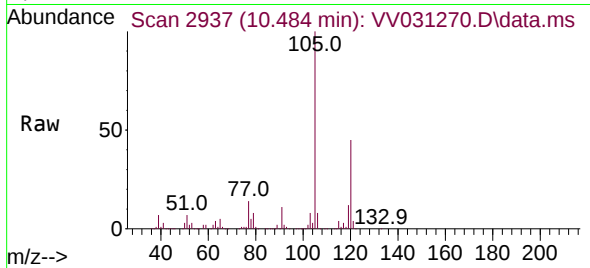
VSTD020251

Tgt Ion:105 Resp: 1213391

Ion Ratio Lower Upper

105 100

120 45.3 35.8 53.6



#63

1,2,4-Trimethylbenzene

Concen: 25.978 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VV031270.D

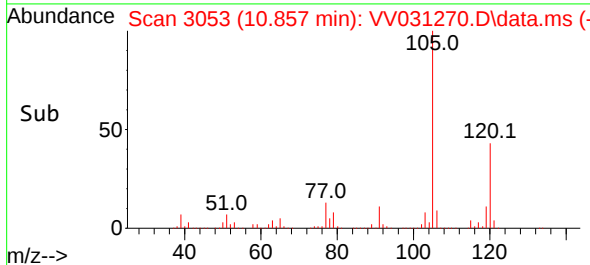
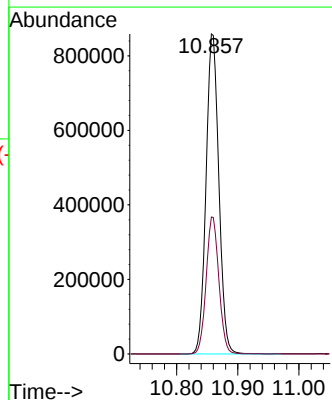
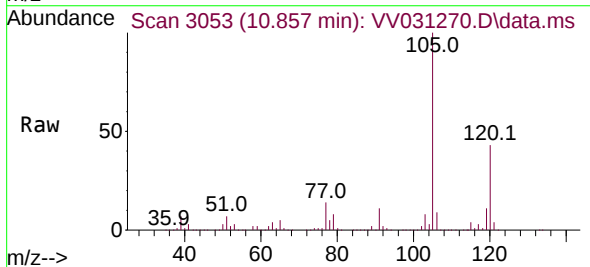
Acq: 30 May 2023 15:56

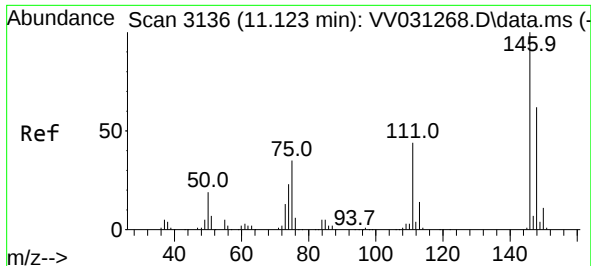
Tgt Ion:105 Resp: 1247361

Ion Ratio Lower Upper

105 100

120 42.6 33.9 50.9

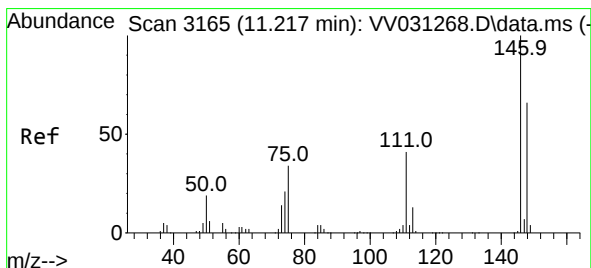
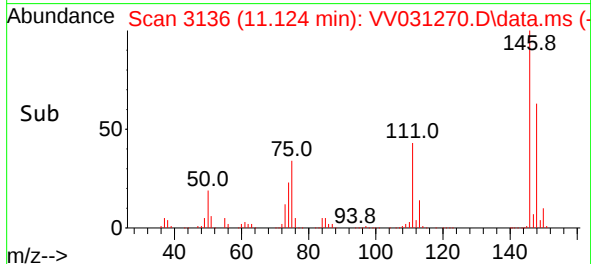
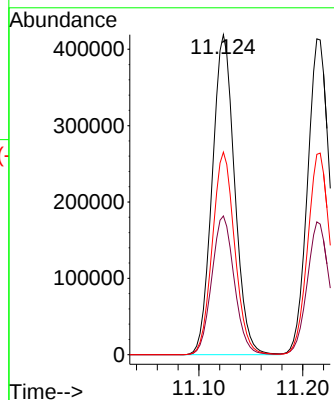
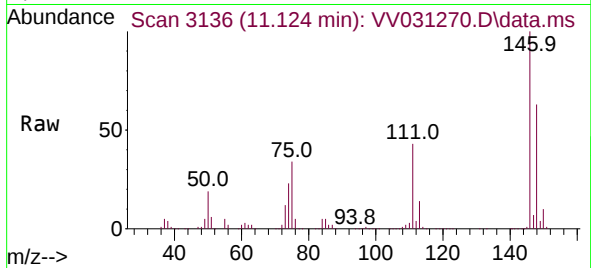




#64
1,3-Dichlorobenzene
Concen: 22.661 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

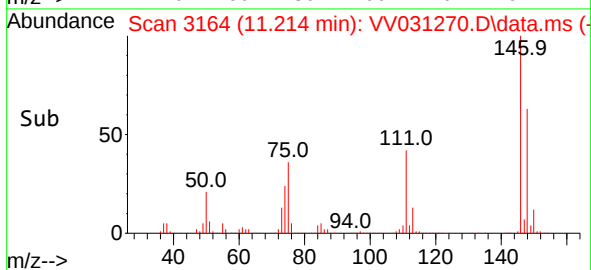
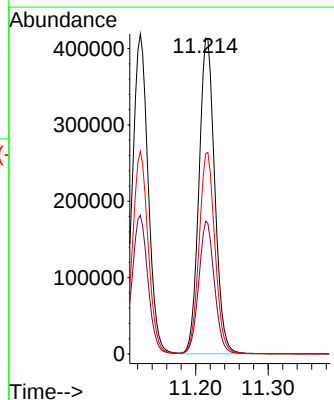
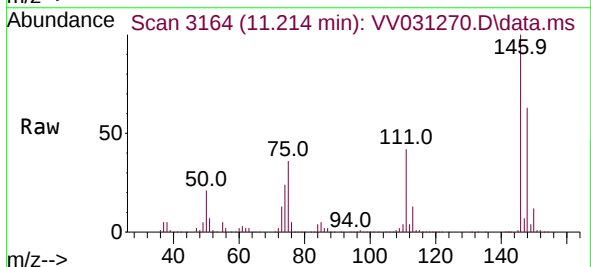
Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

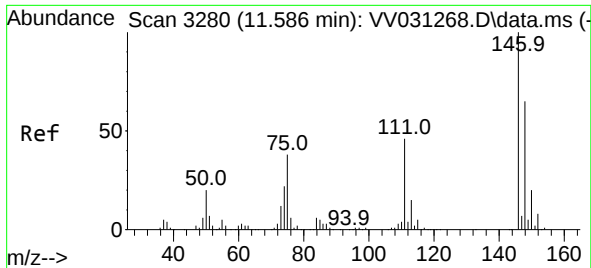
Tgt Ion:146 Resp: 628495
Ion Ratio Lower Upper
146 100
111 43.3 30.4 56.5
148 63.3 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 22.383 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion:146 Resp: 625458
Ion Ratio Lower Upper
146 100
111 42.1 29.1 54.1
148 63.4 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 22.134 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251

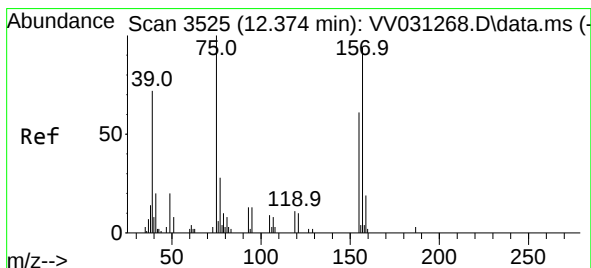
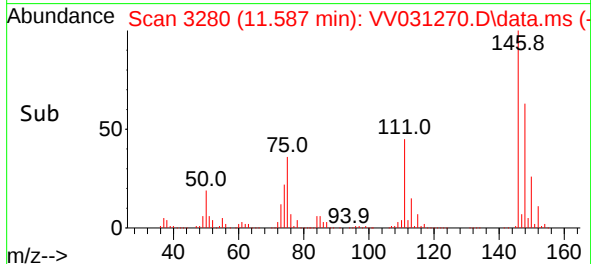
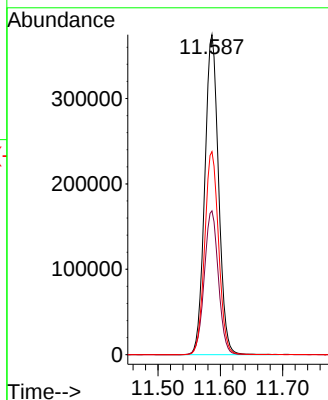
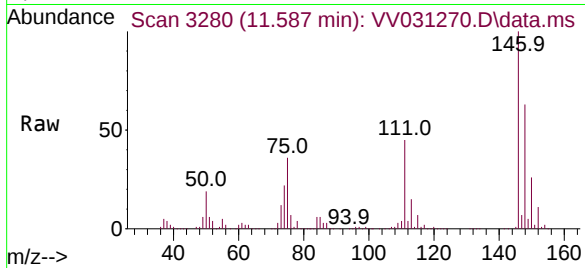
Tgt Ion:146 Resp: 576105

Ion Ratio Lower Upper

146 100

111 45.0 37.0 55.4

148 63.5 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.178 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

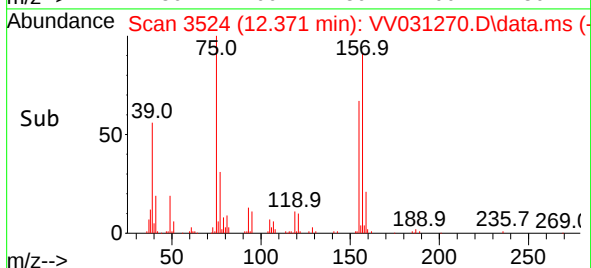
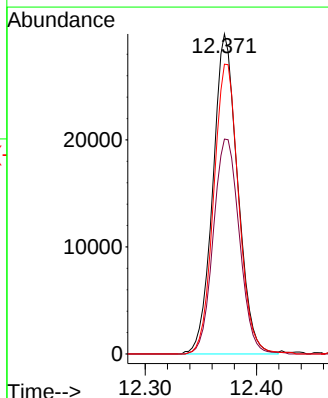
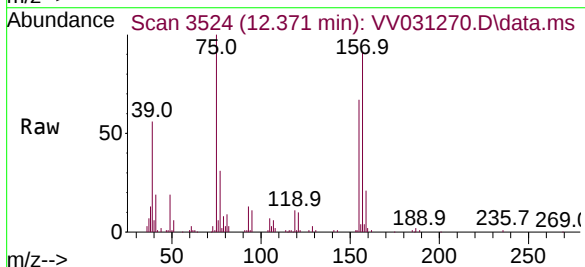
Tgt Ion: 75 Resp: 46235

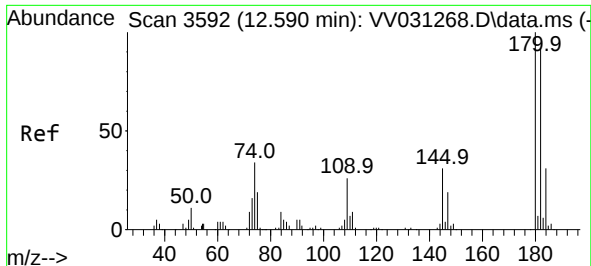
Ion Ratio Lower Upper

75 100

155 67.2 49.0 73.6

157 90.6 75.6 113.4





#69

1,3,5-Trichlorobenzene

Concen: 21.337 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031270.D

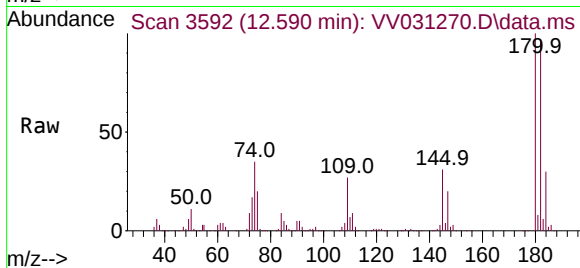
Acq: 30 May 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD020251



Tgt Ion:180 Resp: 471403

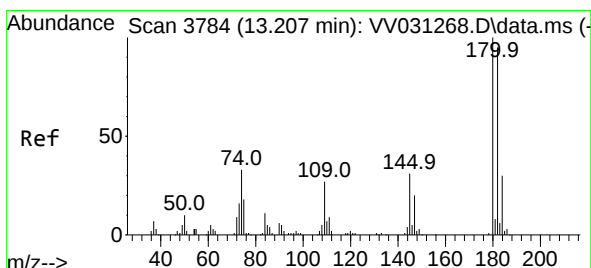
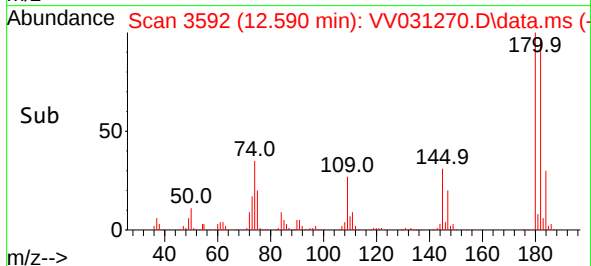
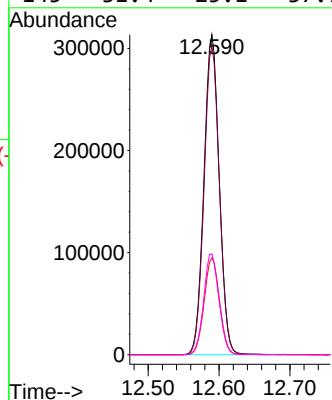
Ion Ratio Lower Upper

180 100

182 96.2 74.5 111.7

184 30.4 24.2 36.2

145 31.4 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 23.032 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031270.D

Acq: 30 May 2023 15:56

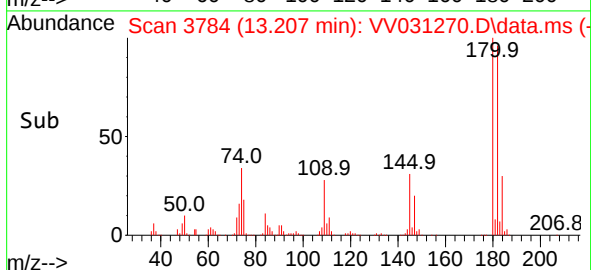
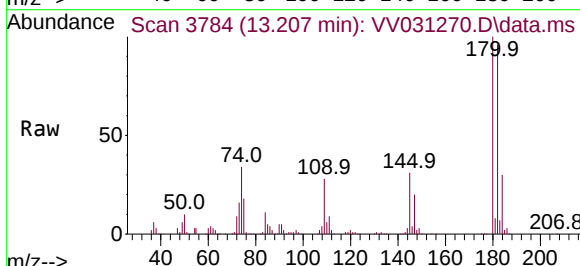
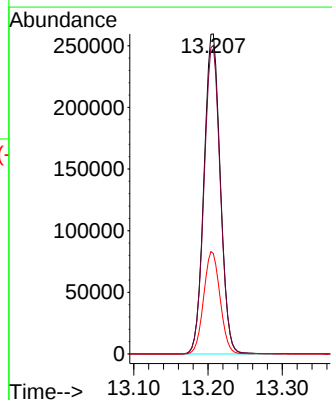
Tgt Ion:180 Resp: 394868

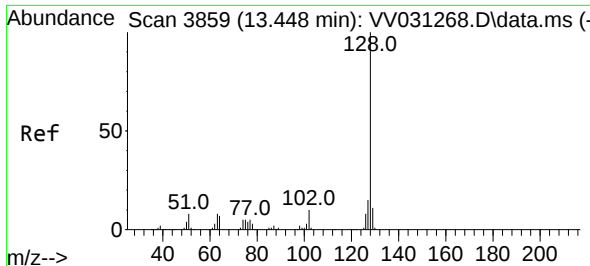
Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

145 32.2 25.3 37.9

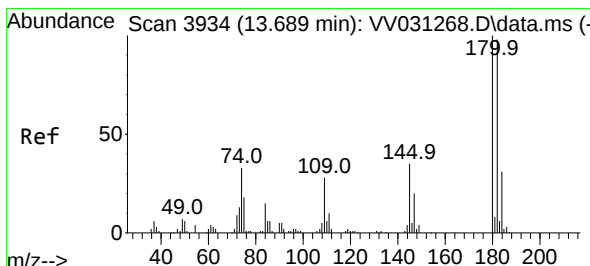
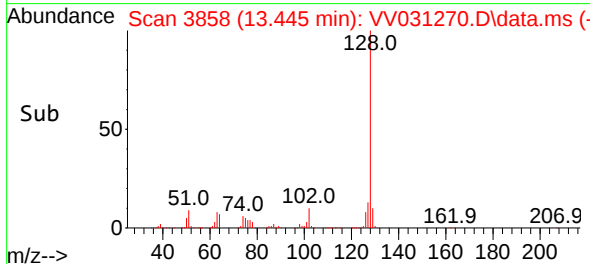
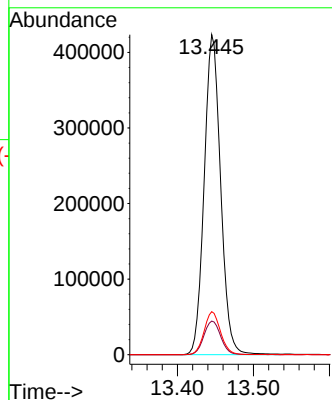
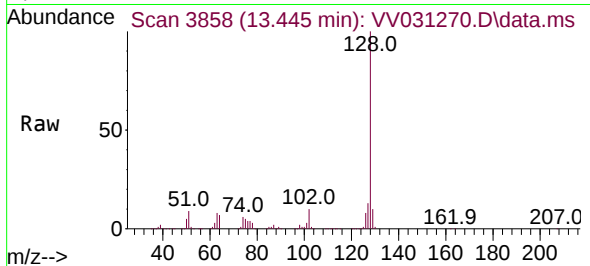




#71
Naphthalene
Concen: 24.818 ug/L
RT: 13.445 min Scan# 3859
Delta R.T. -0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD020251

Tgt Ion:128 Resp: 636522
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.4 11.3 16.9



#72
1,2,3-Trichlorobenzene
Concen: 23.717 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031270.D
Acq: 30 May 2023 15:56

Tgt Ion:180 Resp: 349329
Ion Ratio Lower Upper
180 100
182 95.1 76.5 114.7
145 33.9 27.8 41.8

