

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071323\
 Data File : VW031696.D
 Acq On : 13 Jul 2023 14:44
 Operator : SY/MD
 Sample : VSTD02064
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020264

Quant Time: Jul 14 05:42:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 05:39:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	227113	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	234949	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	133891	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	354005	17.600	ug/L	0.00
7) Chloroethane-d5	1.529	69	279545	15.333	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.057	65	178525	17.295	ug/L	0.00
20) 2-Butanone-d5	3.793	46	1138264	221.523	ug/L	-0.03
24) Chloroform-d	4.256	84	807572	18.849	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	407919	18.639	ug/L	0.00
32) Benzene-d6	4.963	84	1441980	21.498	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	495284	19.924	ug/L	0.00
41) Toluene-d8	7.249	98	1370355	22.246	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	186433	23.744	ug/L	0.00
46) 2-Hexanone-d5	8.031	63	1002562	274.937	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	390173	21.391	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	473699	20.315	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	432929	17.551	ug/L	99
3) Chloromethane	1.221	50	455670	17.830	ug/L	98
5) Vinyl chloride	1.282	62	435407	17.831	ug/L #	31
6) Bromomethane	1.484	94	255612	17.124	ug/L	96
8) Chloroethane	1.545	64	232171	16.387	ug/L	99
9) Trichlorofluoromethane	1.709	101	607179	17.233	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	348387	17.977	ug/L	98
12) 1,1-Dichloroethene	2.069	96	310392	17.517	ug/L	87
13) Acetone	2.124	43	540699	167.754	ug/L	96
14) Carbon disulfide	2.240	76	987102	17.944	ug/L	100
15) Methyl Acetate	2.378	43	140872	20.143	ug/L	98
16) Methylene chloride	2.449	84	333775	14.176	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	706814	21.706	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	292086	19.064	ug/L	99
19) 1,1-Dichloroethane	3.114	63	619636	18.495	ug/L	98
21) 2-Butanone	3.873	43	910830	214.053	ug/L	86
22) cis-1,2-Dichloroethene	3.819	96	339193	22.394	ug/L	95
23) Bromochloromethane	4.153	128	144346	18.926	ug/L	97
25) Chloroform	4.282	83	631198	19.156	ug/L	98
27) 1,2-Dichloroethane	5.047	62	395980	19.108	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	536496	18.908	ug/L	98
30) Cyclohexane	4.587	56	500792	24.270	ug/L	99
31) Carbon tetrachloride	4.741	117	465676	18.599	ug/L	99
33) Benzene	5.015	78	1284446	21.523	ug/L	100
34) Trichloroethene	5.838	95	334527	19.757	ug/L	96
35) Methylcyclohexane	6.056	83	504234	23.813	ug/L	93
37) 1,2-Dichloropropane	6.098	63	355147	20.732	ug/L #	93
38) Bromodichloromethane	6.439	83	449798	19.775	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	513739	24.909	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	2244145	245.078	ug/L	97
42) Toluene	7.320	91	1365527	23.947	ug/L	96
44) trans-1,3-Dichloropropene	7.587	75	441091	23.711	ug/L	100

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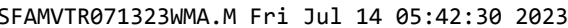
Instrument :
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 ClientSampleId :
 VSTD020264

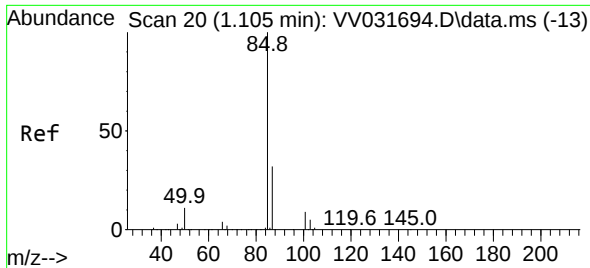
Quant Time: Jul 14 05:42:22 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	247700	19.461	ug/L	96
47) Tetrachloroethene	7.912	164	238509	20.403	ug/L	97
48) 2-Hexanone	8.082	43	1617865	235.362	ug/L	96
49) Dibromochloromethane	8.185	129	285203	20.861	ug/L	95
50) 1,2-Dibromoethane	8.288	107	235795	19.811	ug/L	99
51) Chlorobenzene	8.818	112	801260	21.078	ug/L	97
52) Ethylbenzene	8.953	91	1466873	25.669	ug/L	98
53) m,p-Xylene	9.079	106	548116	25.951	ug/L	99
54) o-Xylene	9.484	106	506480	25.851	ug/L	94
55) Styrene	9.500	104	961463	26.008	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	282410	20.965	ug/L	95
59) Bromoform	9.670	173	163736	18.318	ug/L	98
60) Isopropylbenzene	9.873	105	1404977	23.689	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	222095	18.662	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	1179616	24.651	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	1187387	24.862	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	661348	20.691	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	685724	20.269	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	628011	20.501	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	51891	21.219	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	473953	20.274	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	396240	21.391	ug/L	99
71) Naphthalene	13.445	128	735748	24.621	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	381265	22.289	ug/L	99

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

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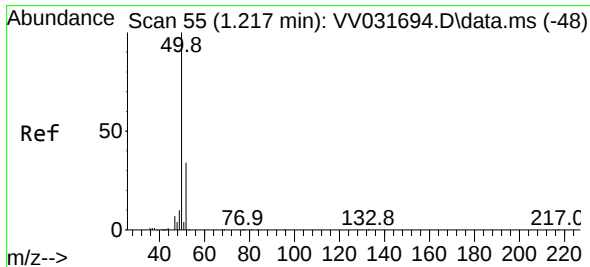
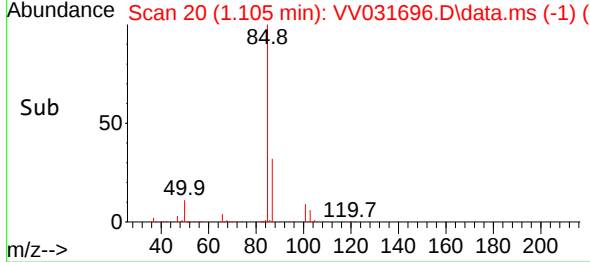
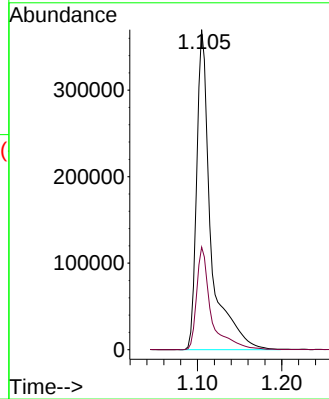
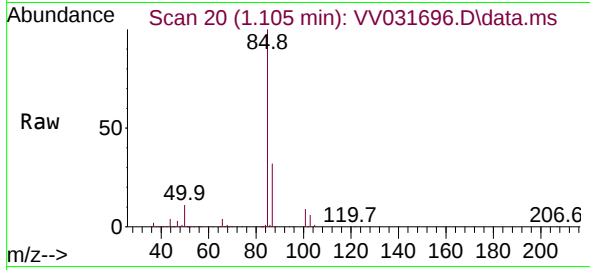




#2
 Dichlorodifluoromethane
 Concen: 17.551 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

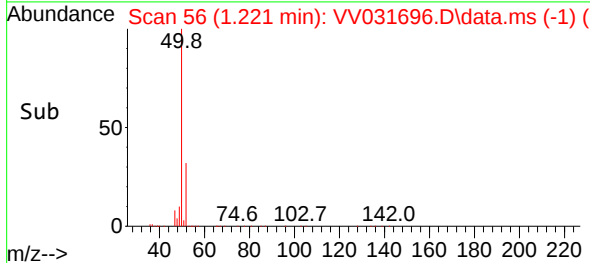
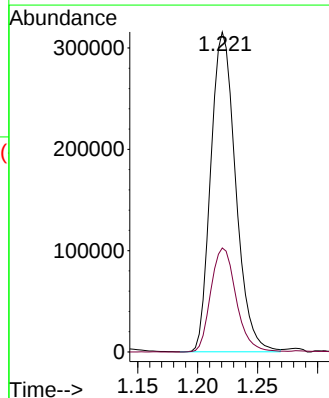
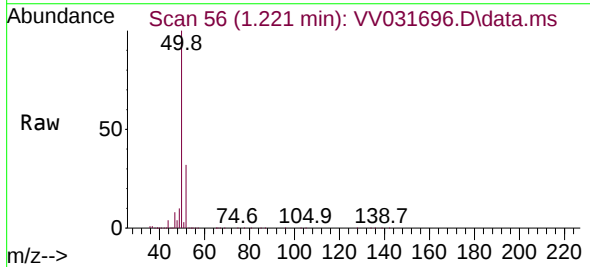
Instrument :
 MSVOA_V
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 VSTD020264

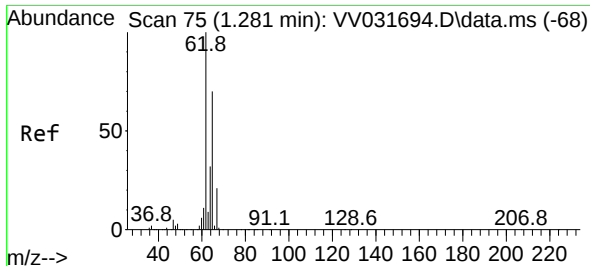
Tgt Ion: 85 Resp: 432929
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.5 38.3



#3
 Chloromethane
 Concen: 17.830 ug/L
 RT: 1.221 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

Tgt Ion: 50 Resp: 455670
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.5 43.7

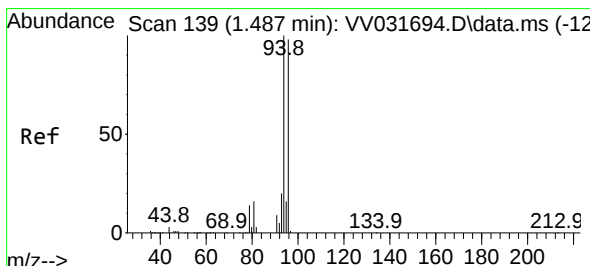
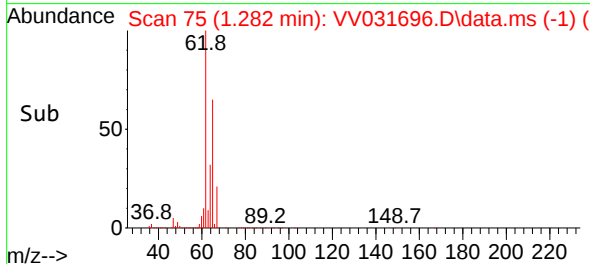
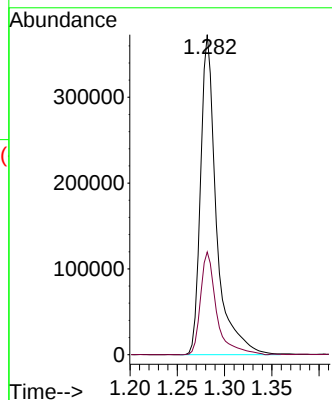
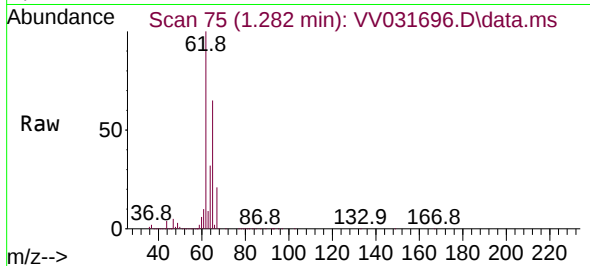




#5
 Vinyl chloride
 Concen: 17.831 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

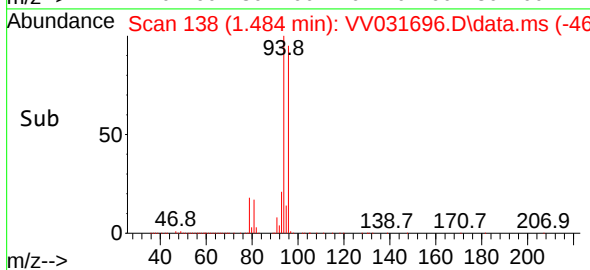
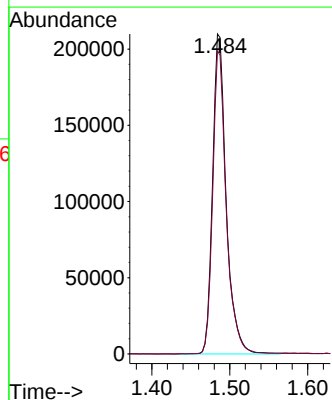
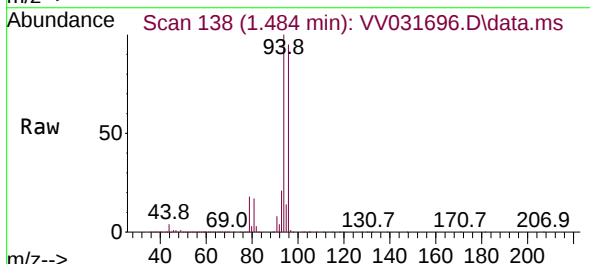
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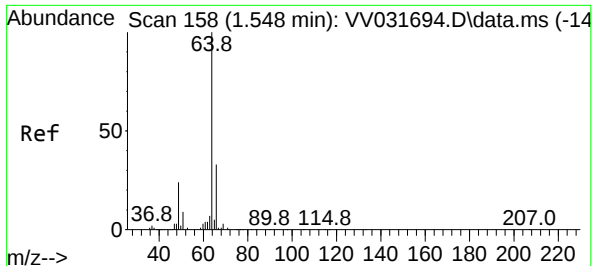
Tgt Ion: 62 Resp: 435407
 Ion Ratio Lower Upper
 62 100
 64 32.1 71.7 133.1#



#6
 Bromomethane
 Concen: 17.124 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

Tgt Ion: 94 Resp: 255612
 Ion Ratio Lower Upper
 94 100
 96 94.6 69.4 128.8

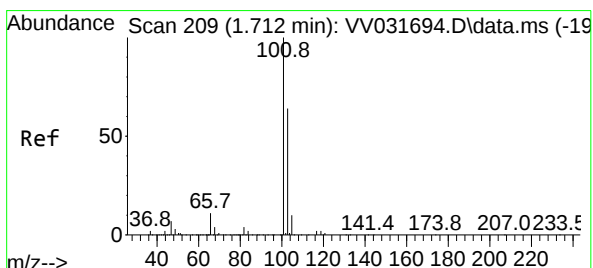
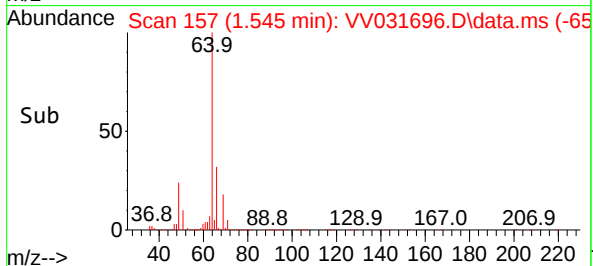
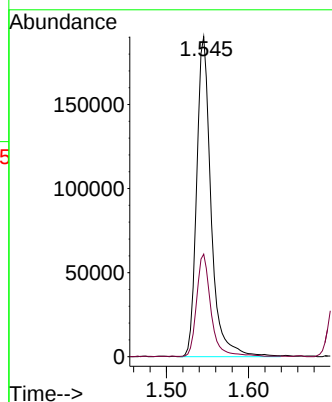
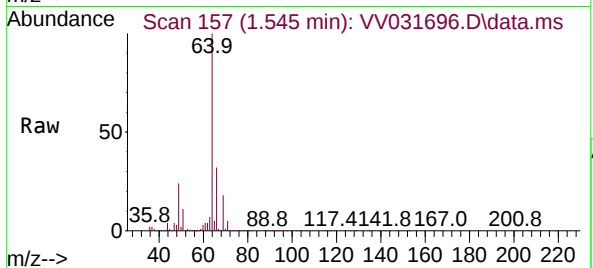




#8
Chloroethane
Concen: 16.387 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

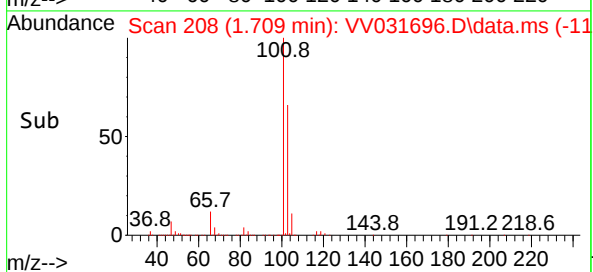
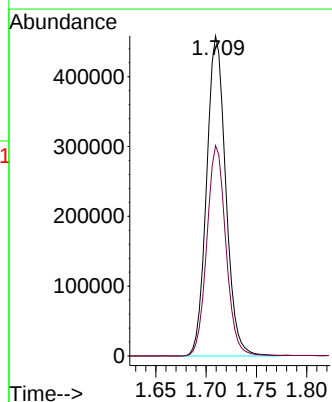
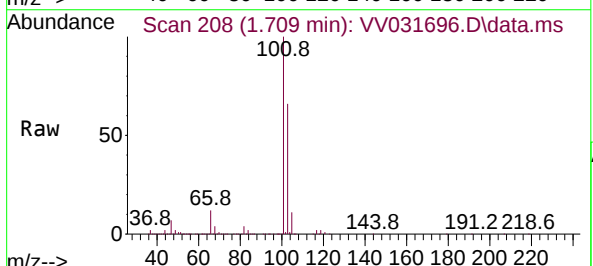
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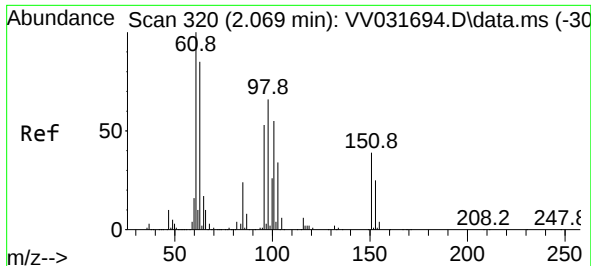
Tgt Ion: 64 Resp: 232171
Ion Ratio Lower Upper
64 100
66 32.0 23.0 42.6



#9
Trichlorofluoromethane
Concen: 17.233 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion:101 Resp: 607179
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6





#10

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

Concen: 17.977 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

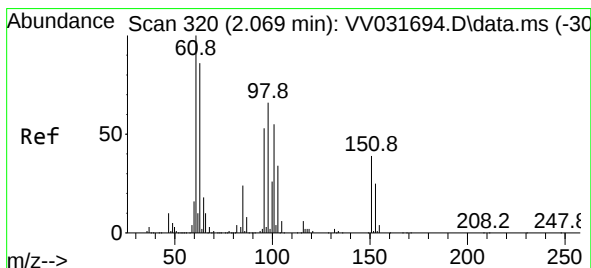
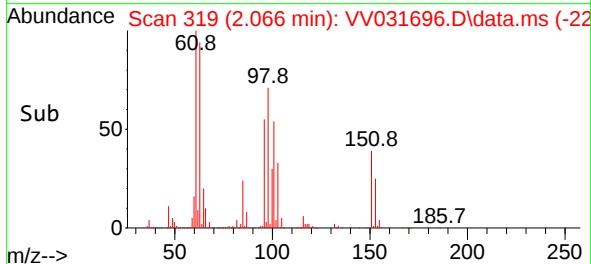
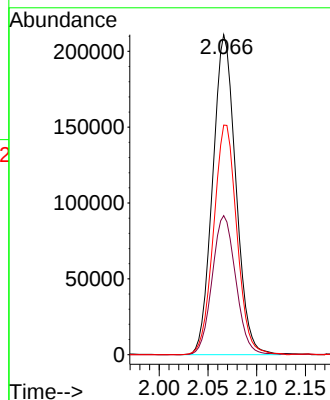
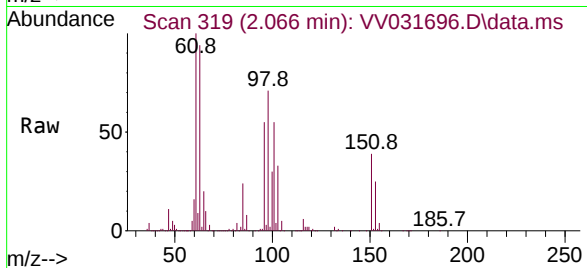
Tgt Ion:101 Resp: 348387

Ion Ratio Lower Upper

101 100

85 44.4 36.2 54.2

151 72.4 56.6 84.8



#12

1,1-Dichloroethene

Concen: 17.517 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

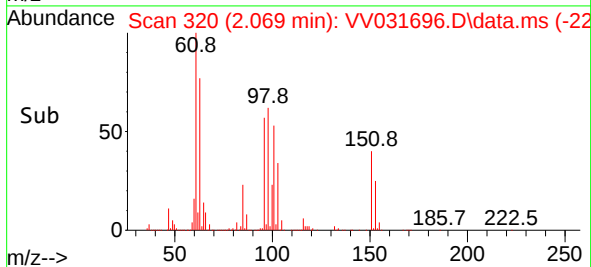
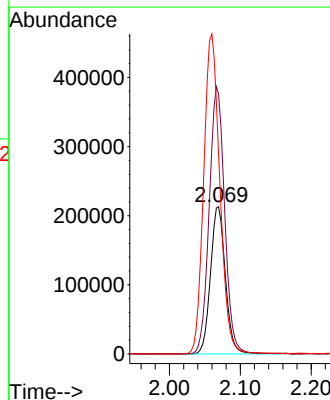
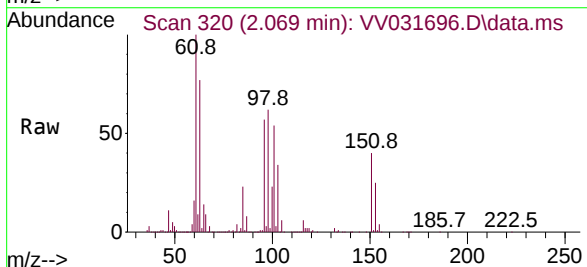
Tgt Ion: 96 Resp: 310392

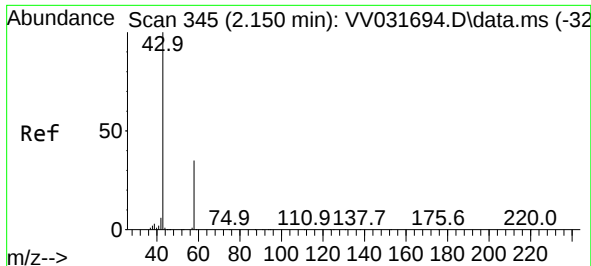
Ion Ratio Lower Upper

96 100

61 176.5 131.3 243.9

63 135.2 112.6 209.2





#13

Acetone

Concen: 167.754 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV031696.D

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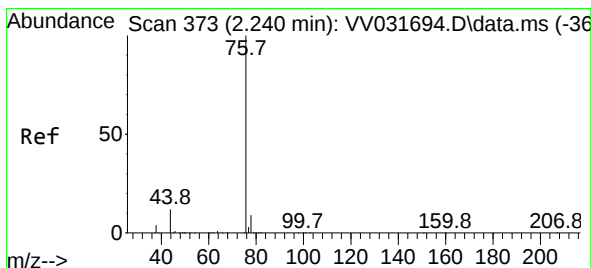
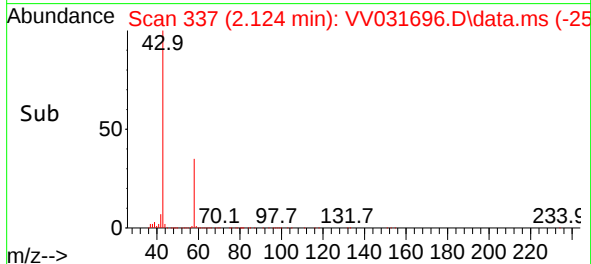
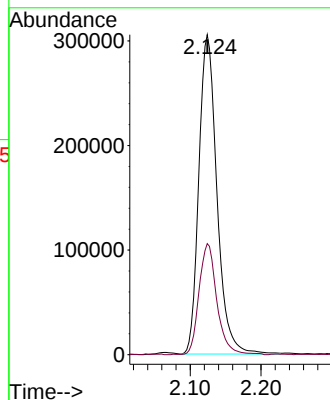
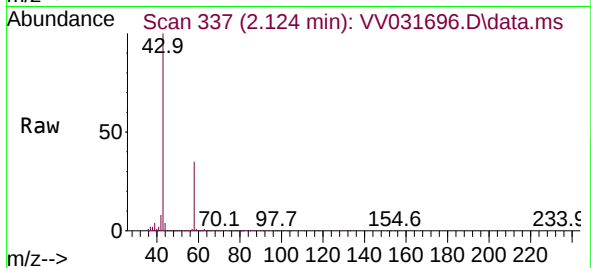
VSTD020264

Tgt Ion: 43 Resp: 540699

Ion Ratio Lower Upper

43 100

58 34.3 0.0 64.6



#14

Carbon disulfide

Concen: 17.944 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV031696.D

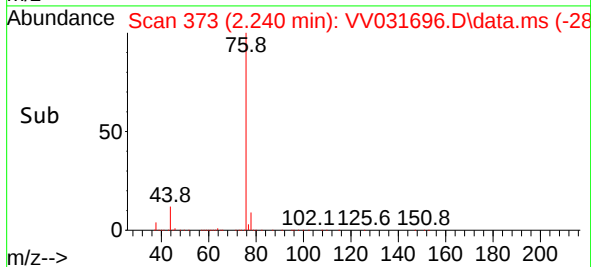
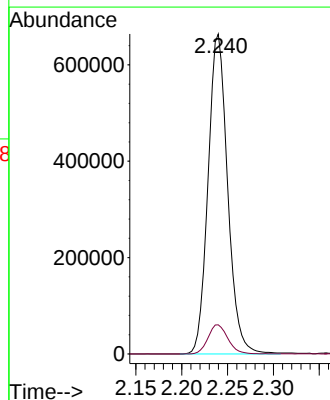
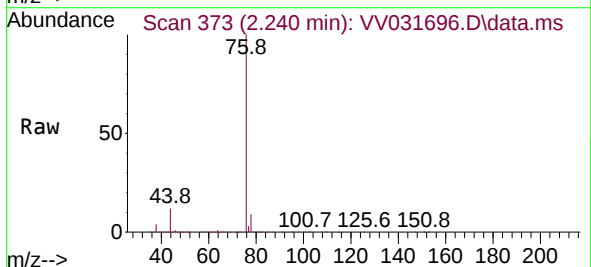
Acq: 13 Jul 2023 14:44

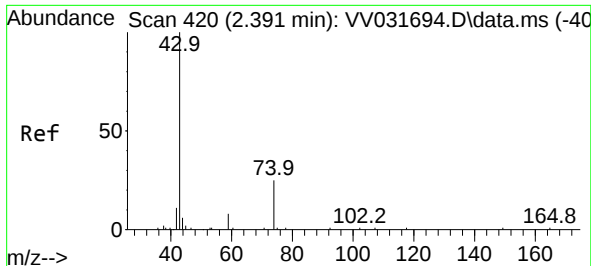
Tgt Ion: 76 Resp: 987102

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

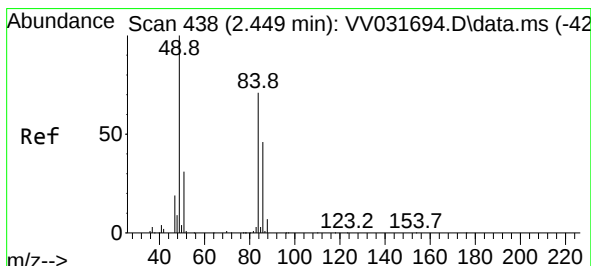
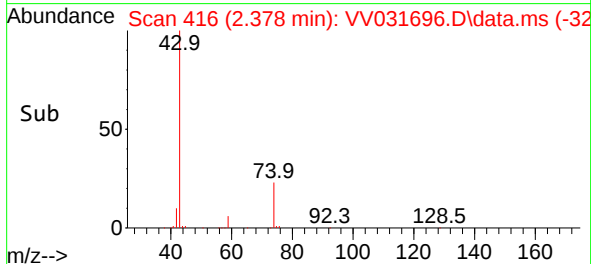
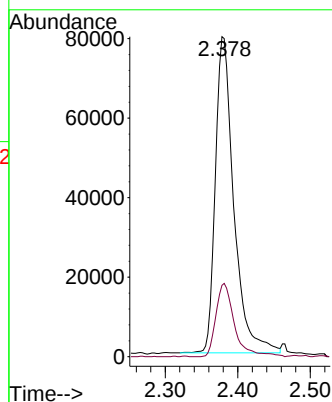
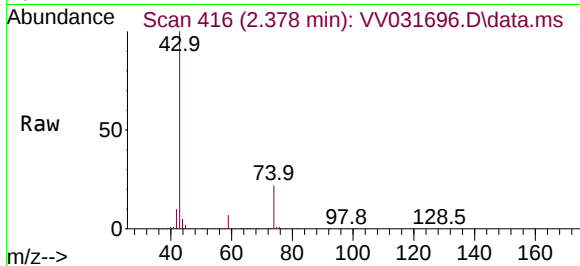




#15
Methyl Acetate
Concen: 20.143 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.013 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

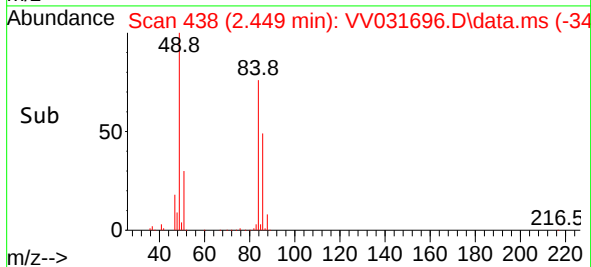
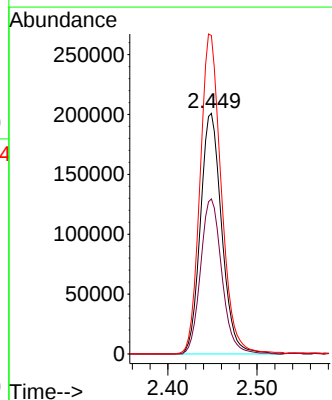
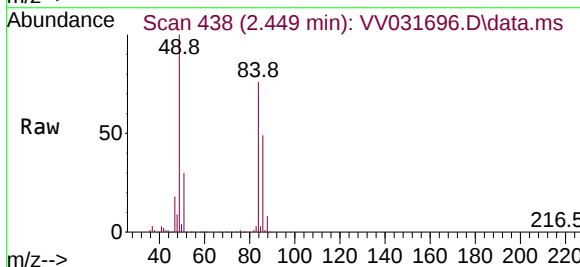
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

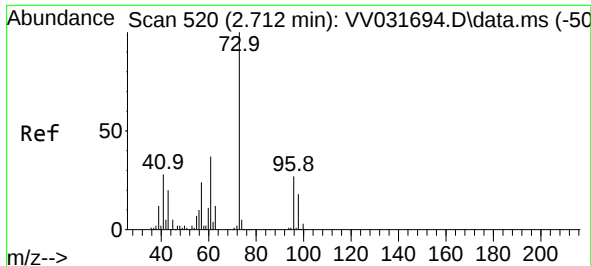
Tgt Ion: 43 Resp: 140872
Ion Ratio Lower Upper
43 100
74 23.2 18.0 27.0



#16
Methylene chloride
Concen: 14.176 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 84 Resp: 333775
Ion Ratio Lower Upper
84 100
86 64.4 46.3 86.1
49 137.3 101.8 189.0





#17

Methyl tert-butyl Ether

Concen: 21.706 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

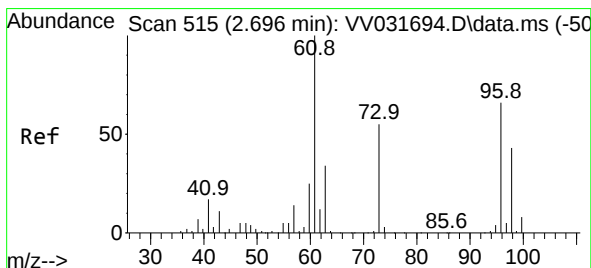
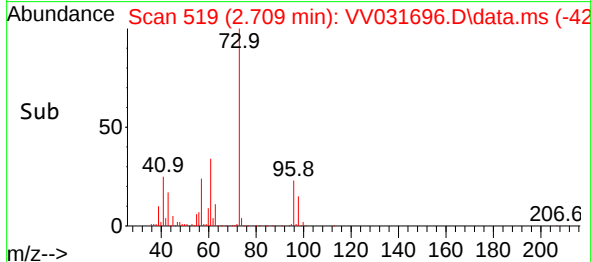
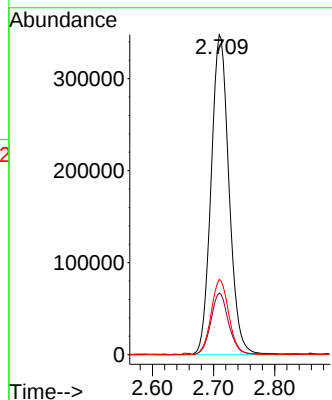
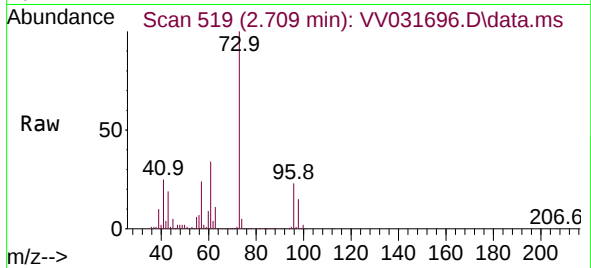
Tgt Ion: 73 Resp: 706814

Ion Ratio Lower Upper

73 100

43 19.3 18.1 27.1

57 23.4 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 19.064 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

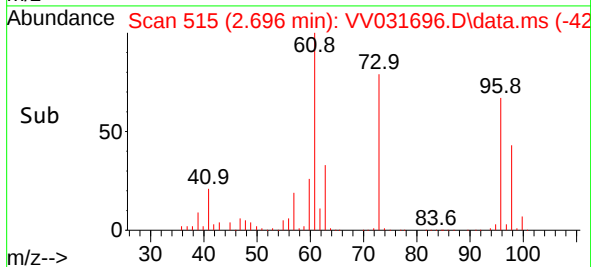
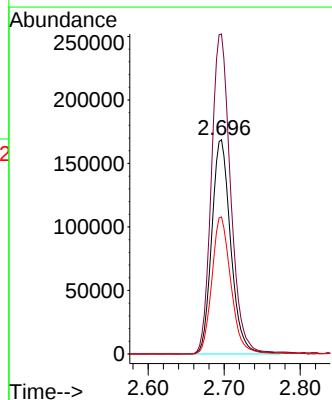
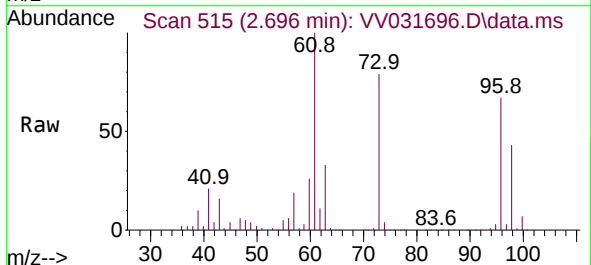
Tgt Ion: 96 Resp: 292086

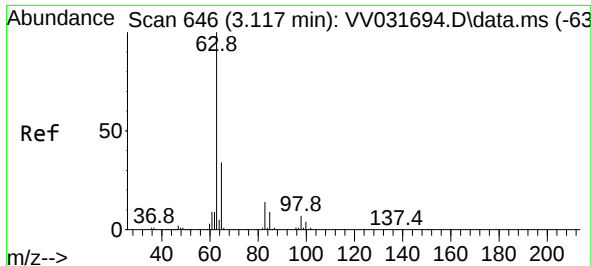
Ion Ratio Lower Upper

96 100

61 149.4 105.5 195.9

98 63.9 45.4 84.2





#19

1,1-Dichloroethane

Concen: 18.495 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

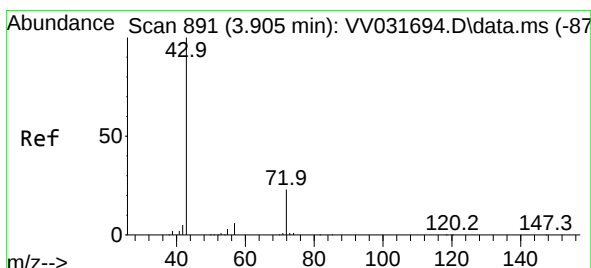
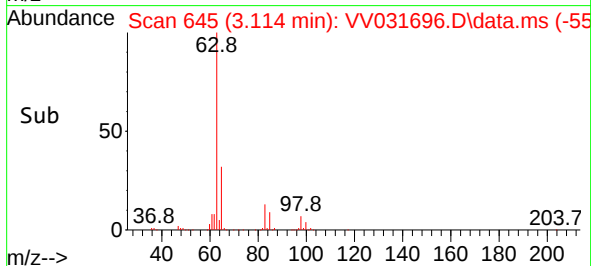
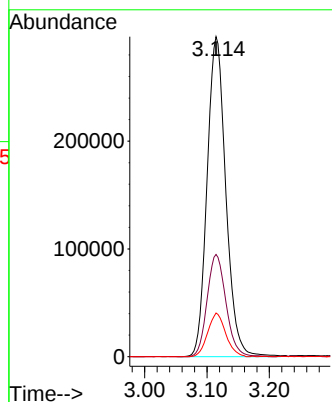
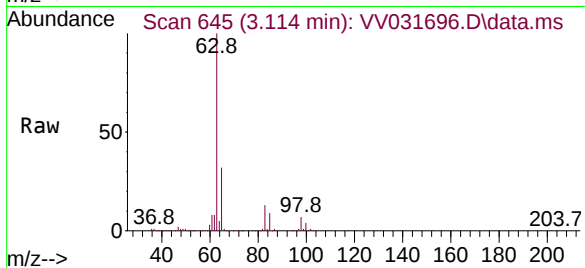
Tgt Ion: 63 Resp: 619636

Ion Ratio Lower Upper

63 100

65 32.0 23.4 43.6

83 13.7 9.4 17.4



#21

2-Butanone

Concen: 214.053 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.032 min

Lab File: VV031696.D

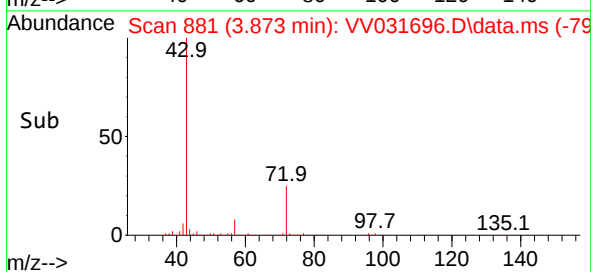
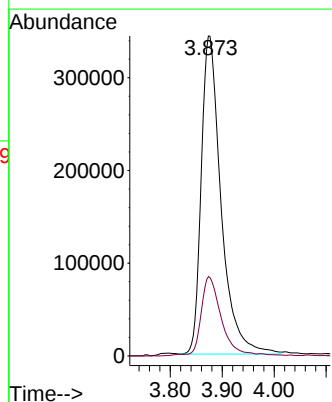
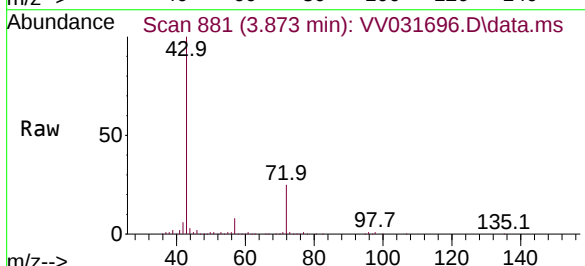
Acq: 13 Jul 2023 14:44

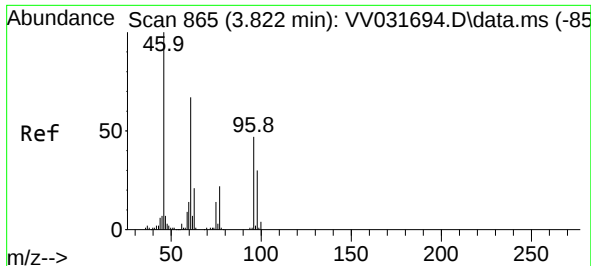
Tgt Ion: 43 Resp: 910830

Ion Ratio Lower Upper

43 100

72 24.6 9.2 27.4



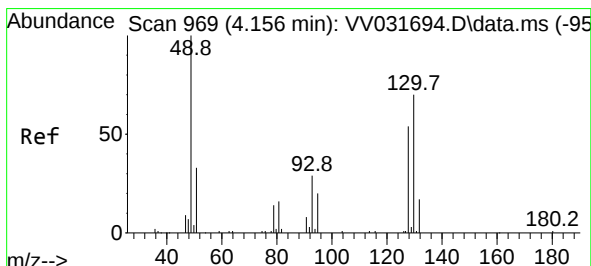
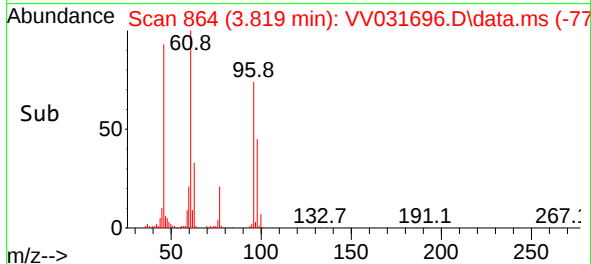
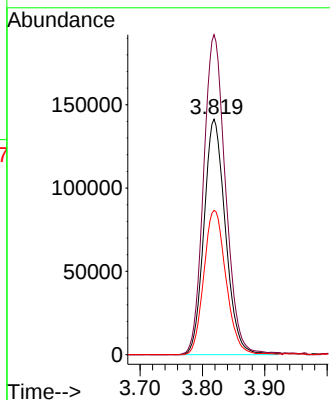
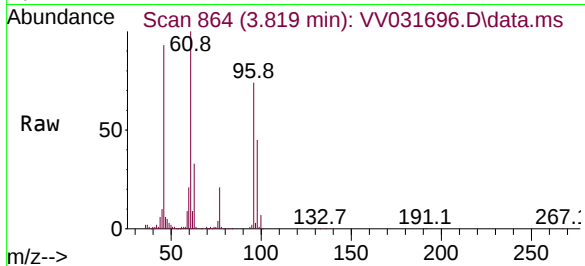


#22
 cis-1,2-Dichloroethene
 Concen: 22.394 ug/L
 RT: 3.819 min Scan# 864
 Delta R.T. -0.003 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020264

Tgt Ion: 96 Resp: 339193

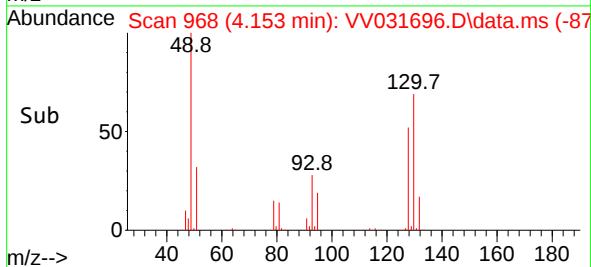
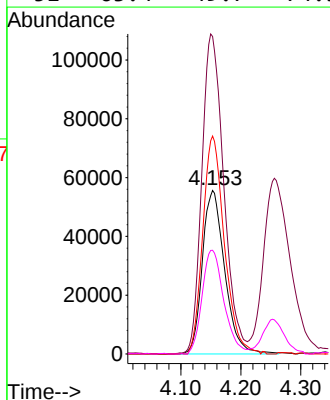
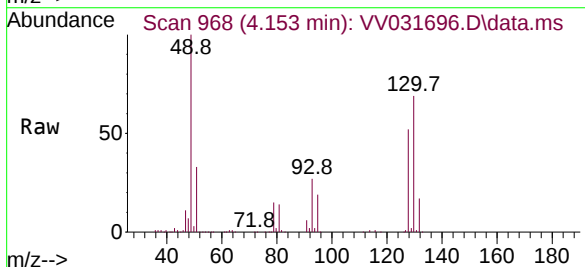
Ion	Ratio	Lower	Upper
96	100		
61	135.9	99.4	184.6
98	61.3	45.1	83.7

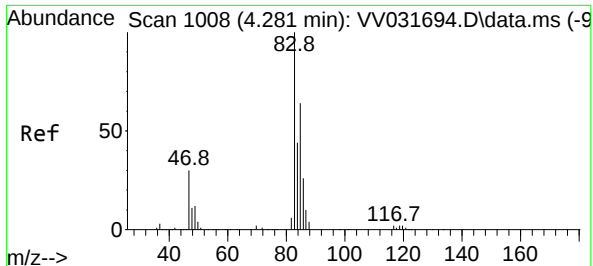


#23
 Bromochloromethane
 Concen: 18.926 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

Tgt Ion:128 Resp: 144346

Ion	Ratio	Lower	Upper
128	100		
49	200.1	136.1	252.7
130	133.2	91.3	169.5
51	63.4	49.7	74.5

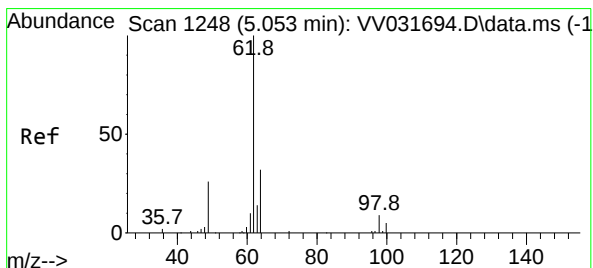
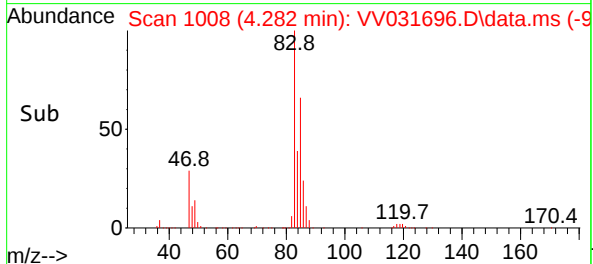
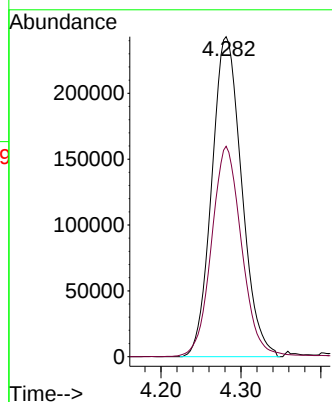
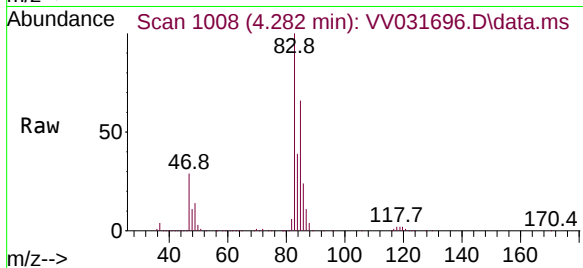




#25
Chloroform
Concen: 19.156 ug/L
RT: 4.282 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

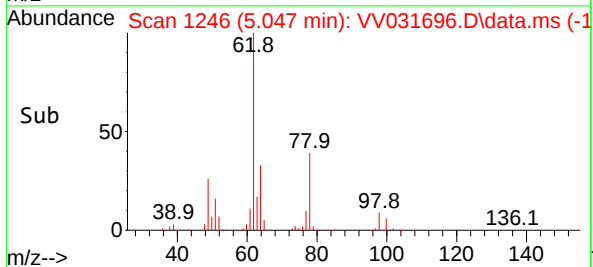
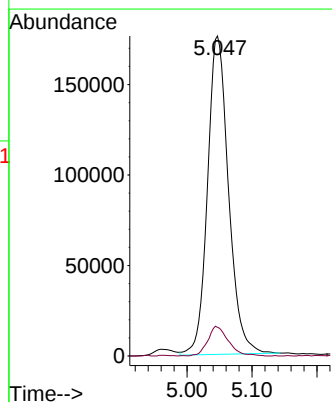
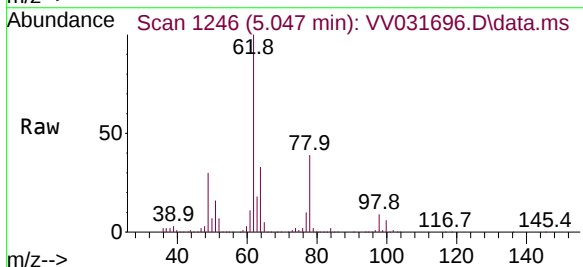
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

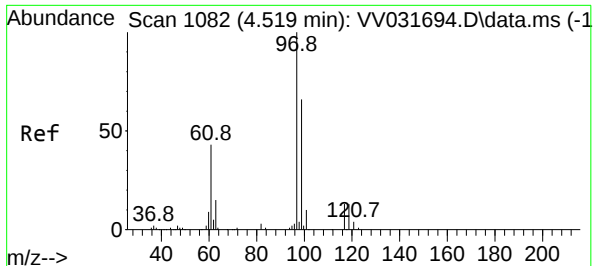
Tgt Ion: 83 Resp: 631198
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 19.108 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.006 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 62 Resp: 395980
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 18.908 ug/L

RT: 4.519 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

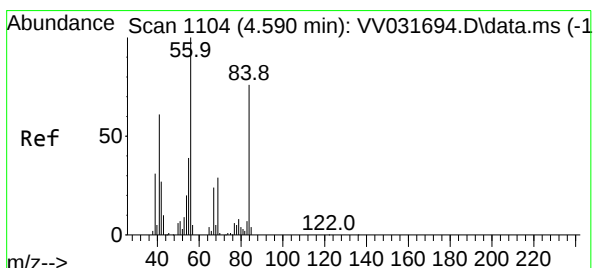
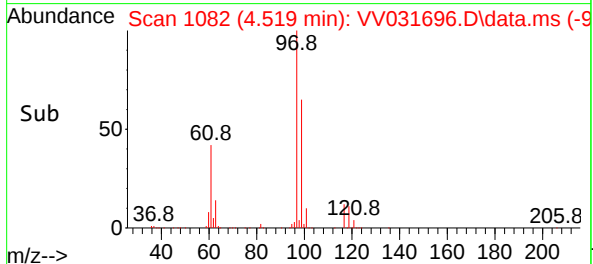
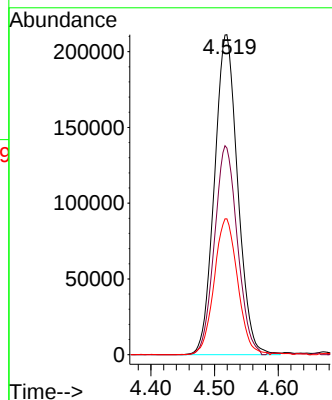
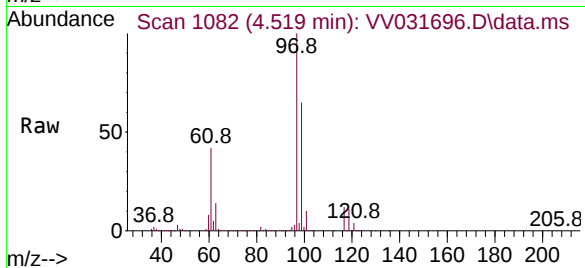
Tgt Ion: 97 Resp: 536496

Ion Ratio Lower Upper

97 100

99 64.5 50.4 75.6

61 42.8 35.6 53.4



#30

Cyclohexane

Concen: 24.270 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

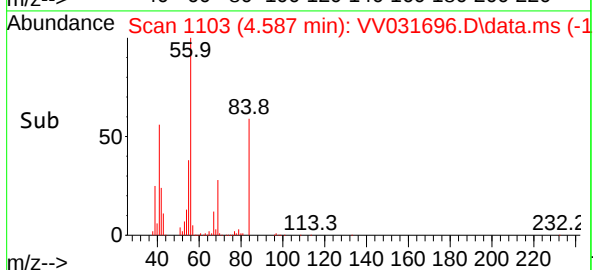
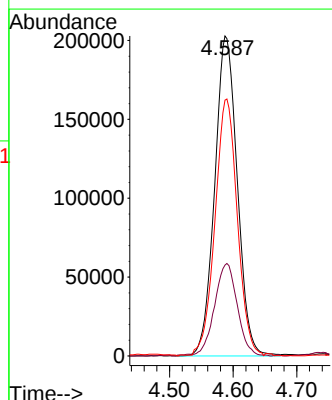
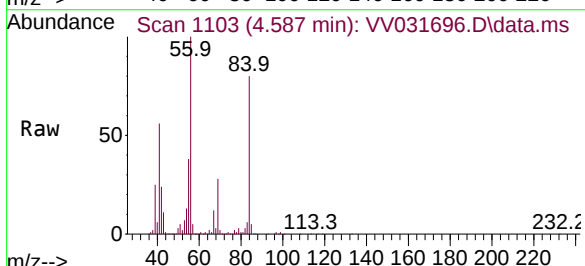
Tgt Ion: 56 Resp: 500792

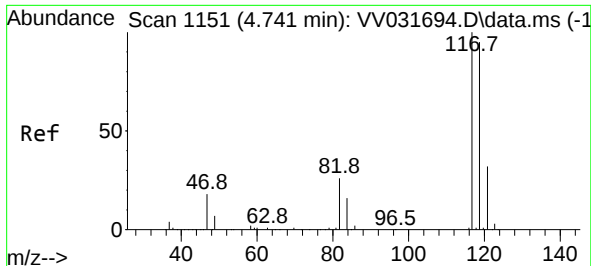
Ion Ratio Lower Upper

56 100

69 29.0 22.9 34.3

84 78.9 62.7 94.1

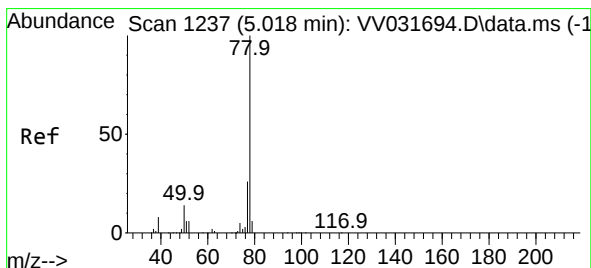
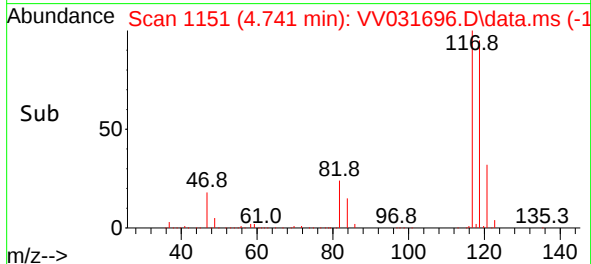
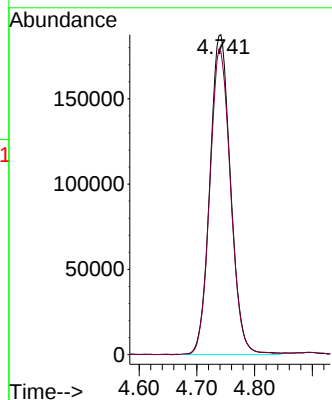
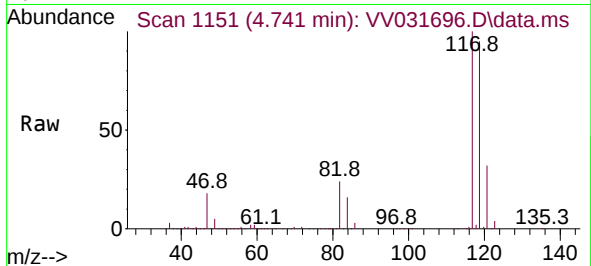




#31
Carbon tetrachloride
Concen: 18.599 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

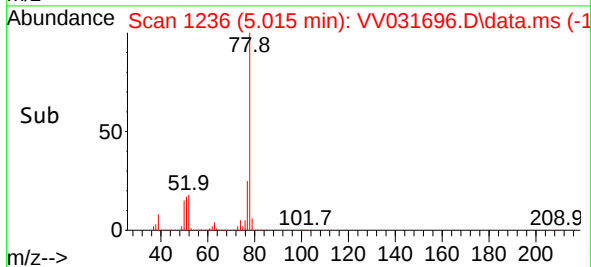
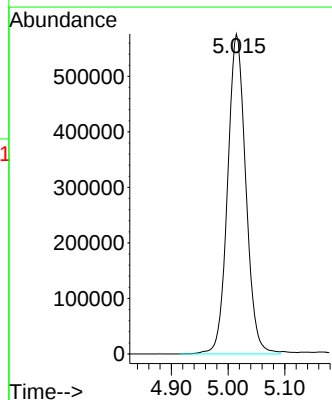
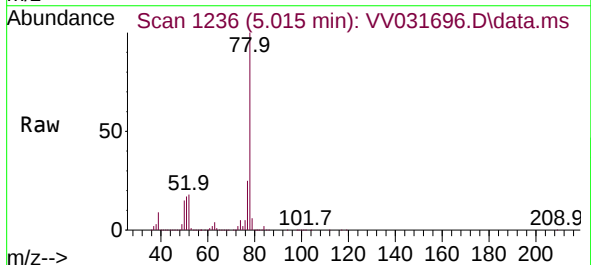
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

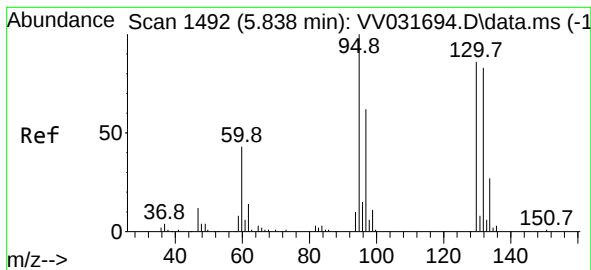
Tgt Ion:117 Resp: 465676
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1



#33
Benzene
Concen: 21.523 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 78 Resp: 1284446





#34

Trichloroethene

Concen: 19.757 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

Tgt Ion: 95 Resp: 334527

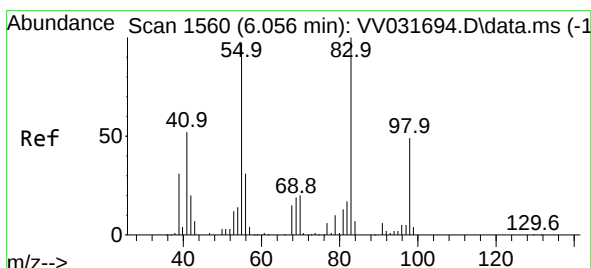
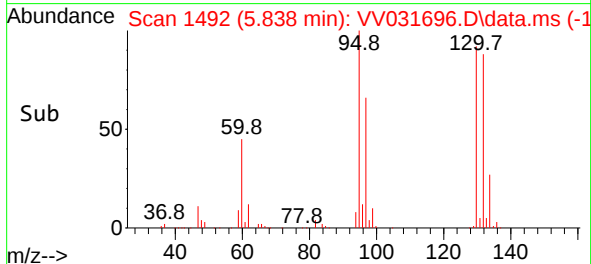
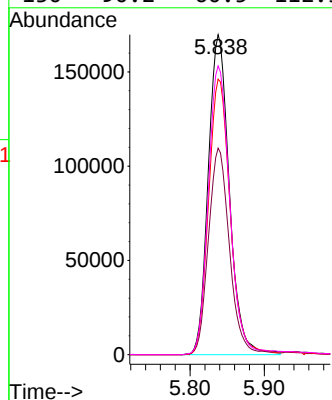
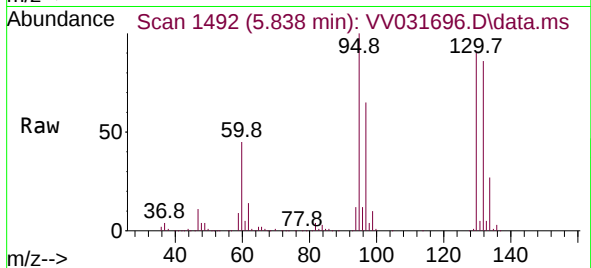
Ion Ratio Lower Upper

95 100

97 64.6 43.3 80.5

132 86.1 58.3 108.3

130 90.2 60.5 112.5



#35

Methylcyclohexane

Concen: 23.813 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

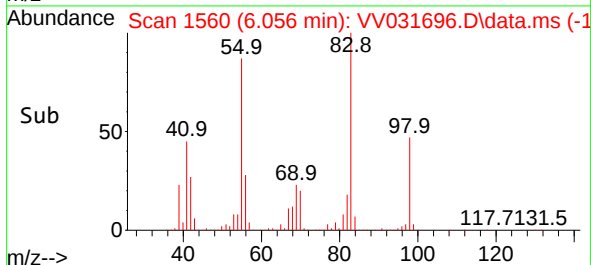
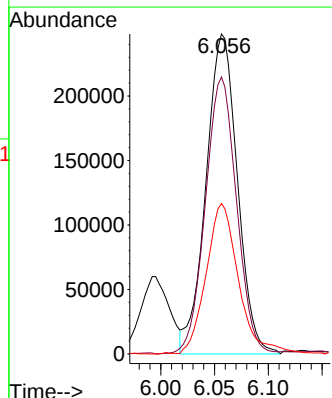
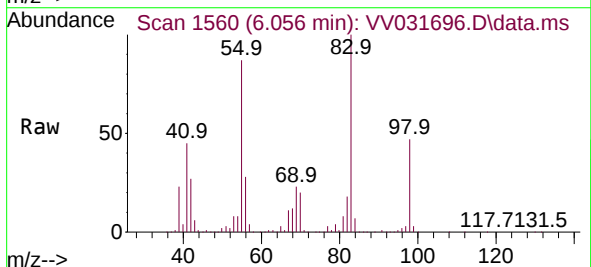
Tgt Ion: 83 Resp: 504234

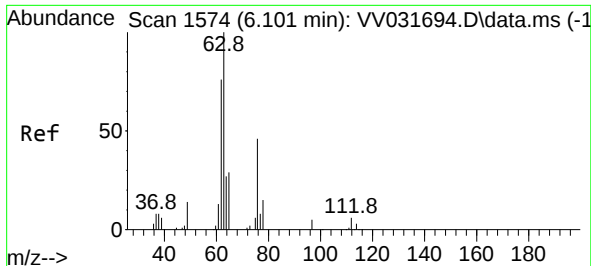
Ion Ratio Lower Upper

83 100

55 86.0 73.8 110.6

98 48.7 35.1 52.7





#37

1,2-Dichloropropane

Concen: 20.732 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

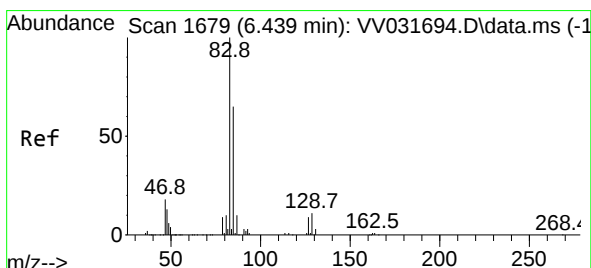
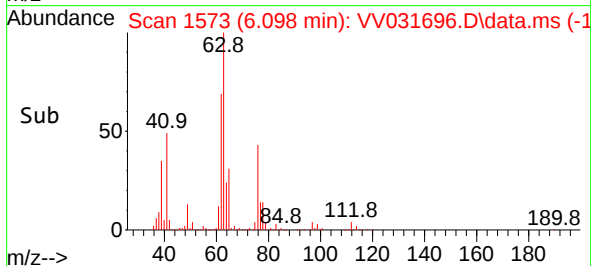
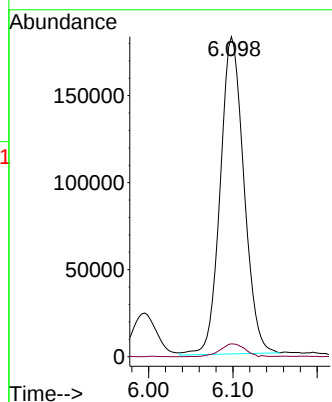
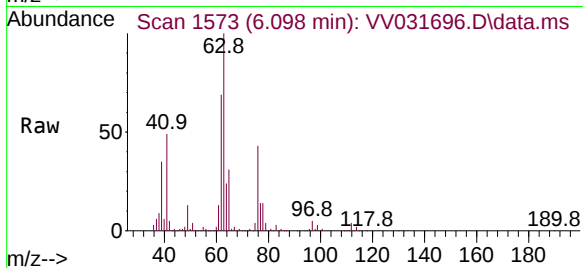
VSTD020264

Tgt Ion: 63 Resp: 355147

Ion Ratio Lower Upper

63 100

112 4.3 1.4 2.2#



#38

Bromodichloromethane

Concen: 19.775 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

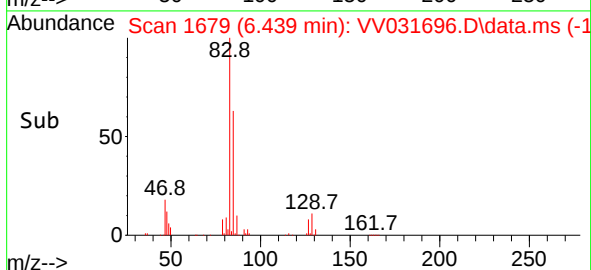
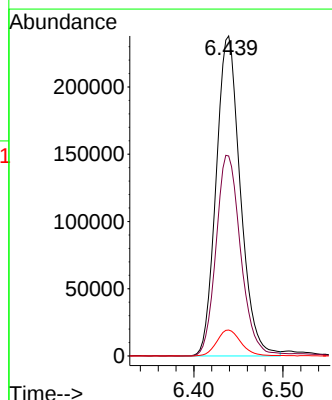
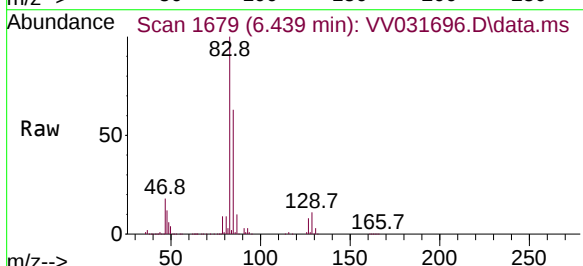
Tgt Ion: 83 Resp: 449798

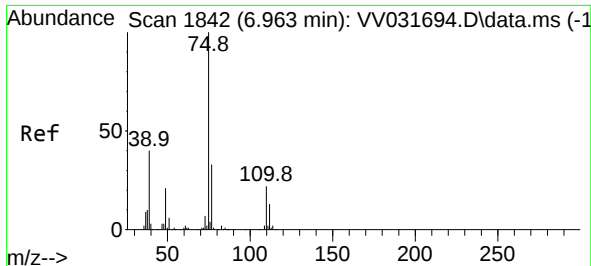
Ion Ratio Lower Upper

83 100

85 62.5 45.5 84.5

127 8.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 24.909 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

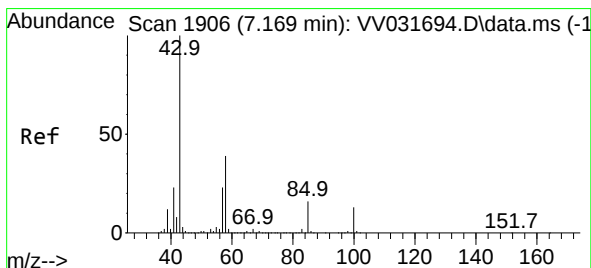
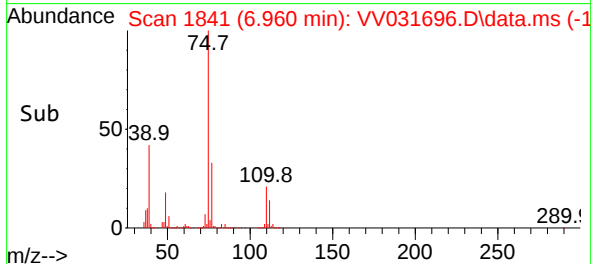
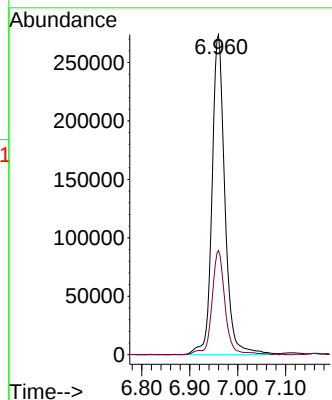
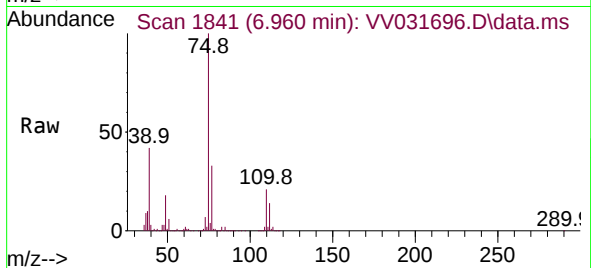
VSTD020264

Tgt Ion: 75 Resp: 513739

Ion Ratio Lower Upper

75 100

77 32.6 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 245.078 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

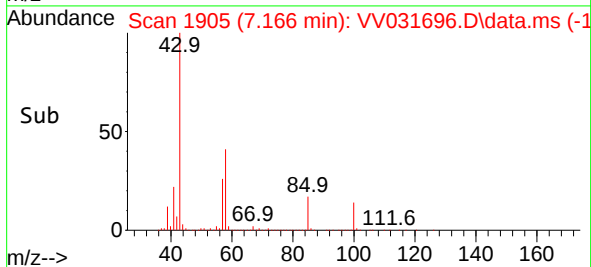
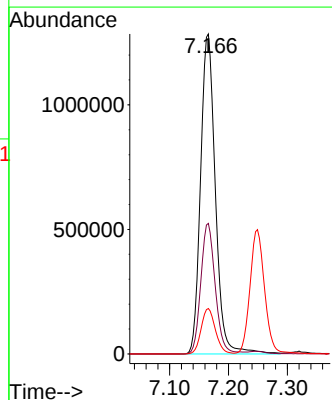
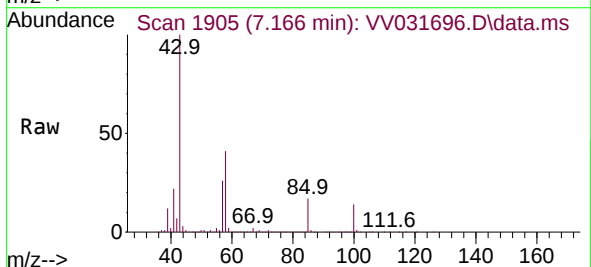
Tgt Ion: 43 Resp: 2244145

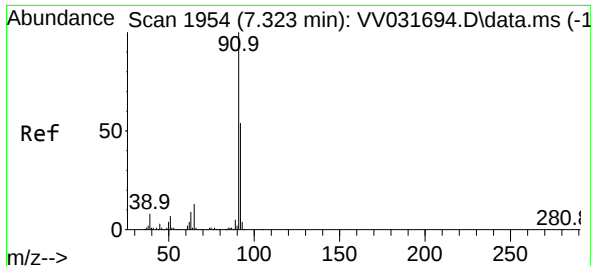
Ion Ratio Lower Upper

43 100

58 39.8 30.3 45.5

100 13.7 9.7 14.5





#42

Toluene

Concen: 23.947 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

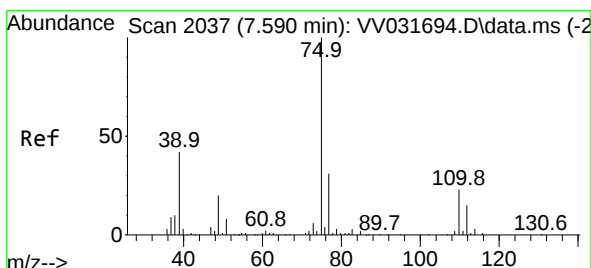
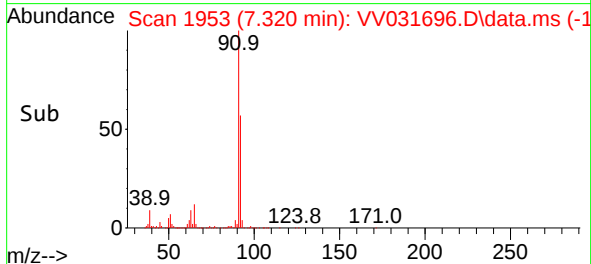
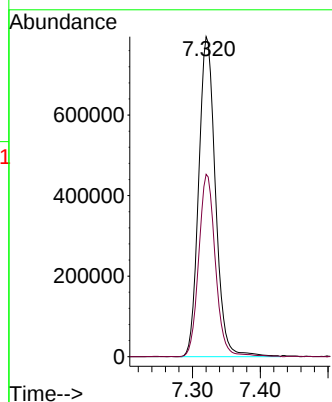
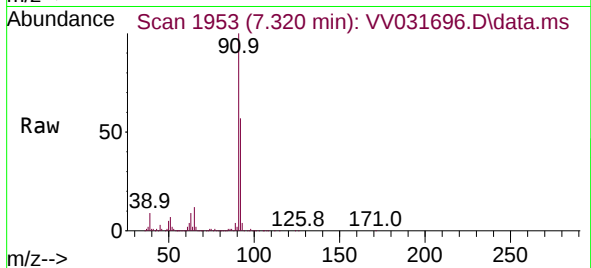
VSTD020264

Tgt Ion: 91 Resp: 1365527

Ion Ratio Lower Upper

91 100

92 57.0 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 23.711 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031696.D

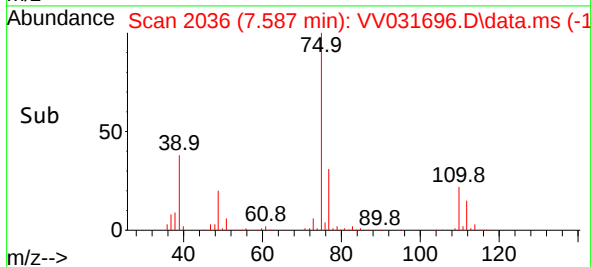
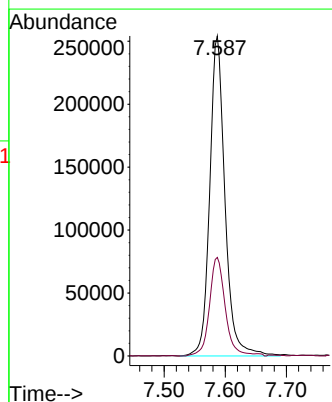
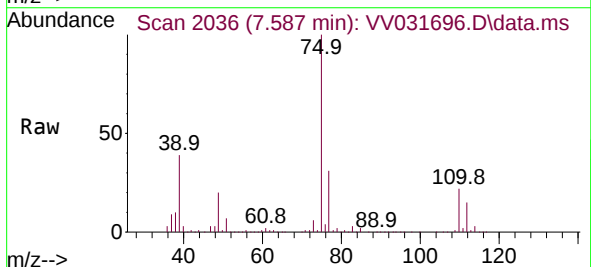
Acq: 13 Jul 2023 14:44

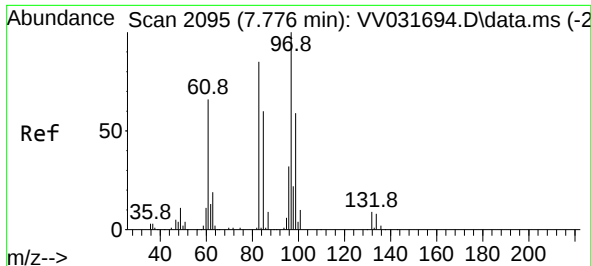
Tgt Ion: 75 Resp: 441091

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 19.461 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

Tgt Ion: 97 Resp: 247700

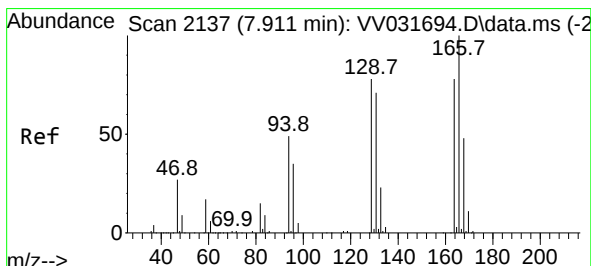
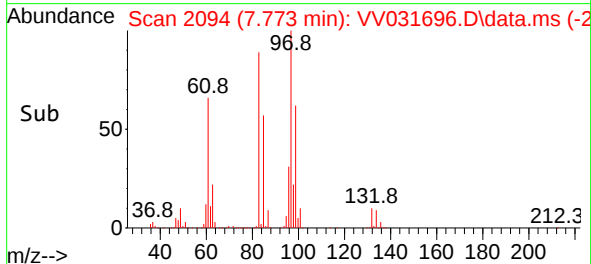
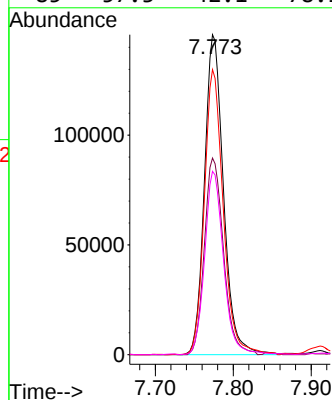
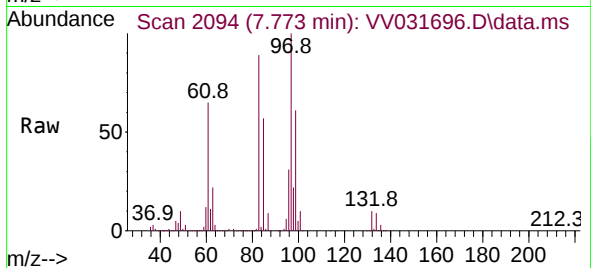
Ion Ratio Lower Upper

97 100

99 61.5 40.9 76.0

83 89.1 59.7 110.9

85 57.3 42.1 78.1



#47

Tetrachloroethene

Concen: 20.403 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Tgt Ion:164 Resp: 238509

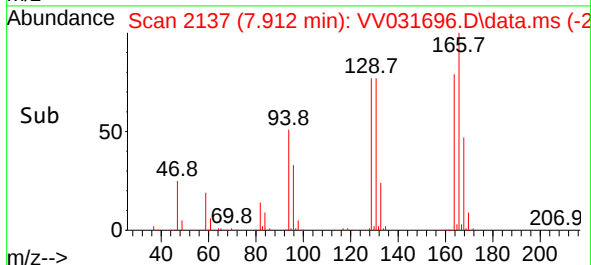
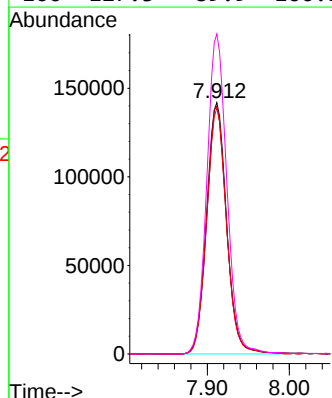
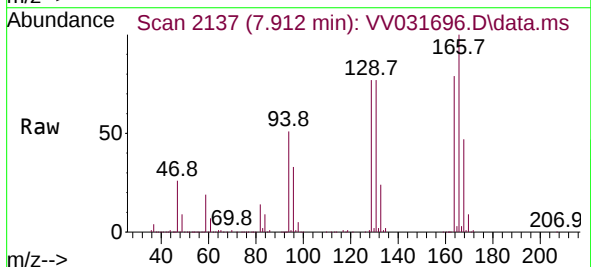
Ion Ratio Lower Upper

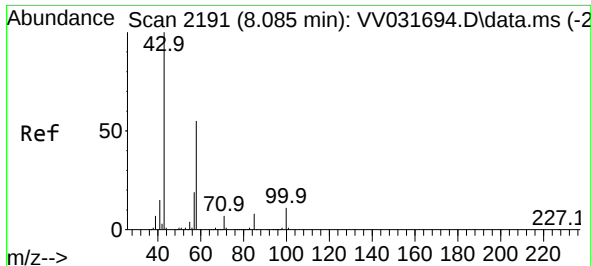
164 100

129 98.6 70.5 130.9

131 98.0 64.0 118.8

166 127.3 89.9 166.9



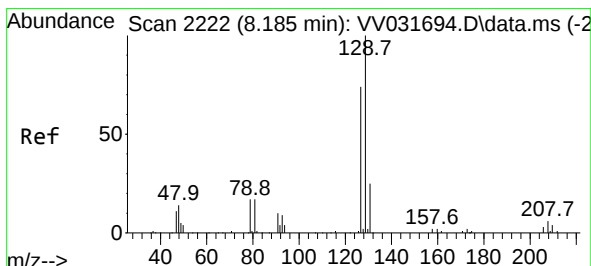
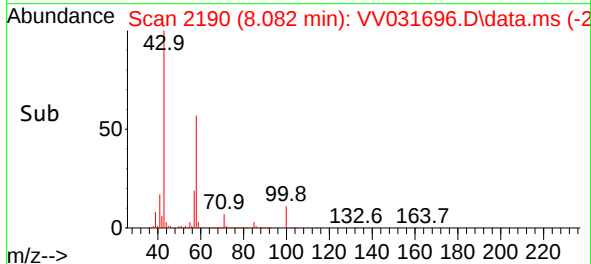
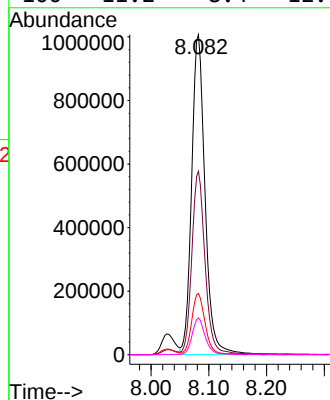
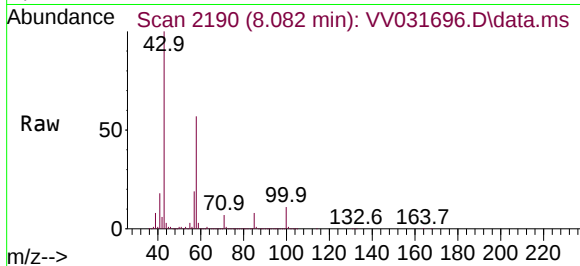


#48
2-Hexanone
Concen: 235.362 ug/L
RT: 8.082 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

Tgt Ion: 43 Resp: 1617865

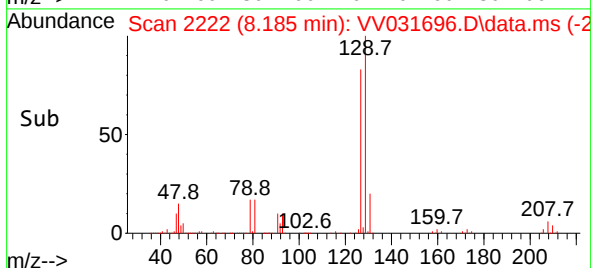
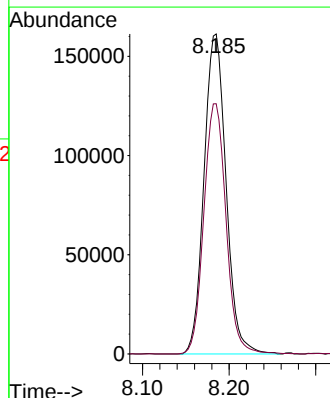
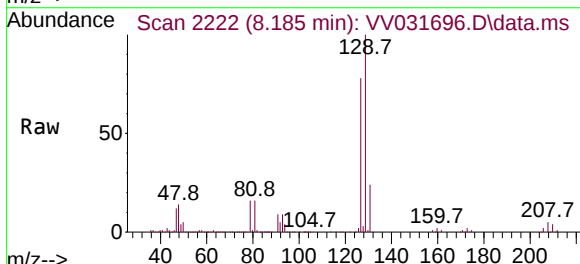
Ion	Ratio	Lower	Upper
43	100		
58	56.9	42.6	64.0
57	19.4	14.6	21.8
100	11.2	8.4	12.6

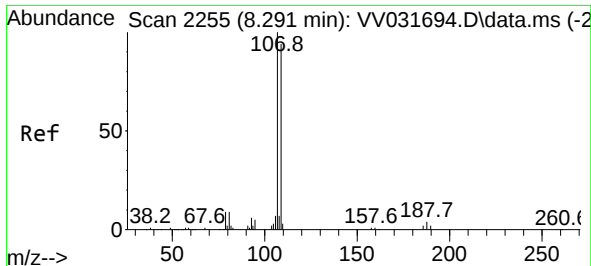


#49
Dibromochloromethane
Concen: 20.861 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 129 Resp: 285203

Ion	Ratio	Lower	Upper
129	100		
127	78.2	51.7	96.1





#50

1,2-Dibromoethane

Concen: 19.811 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

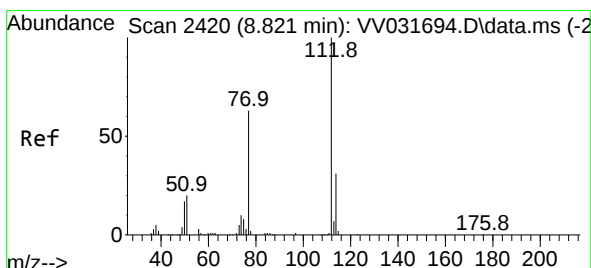
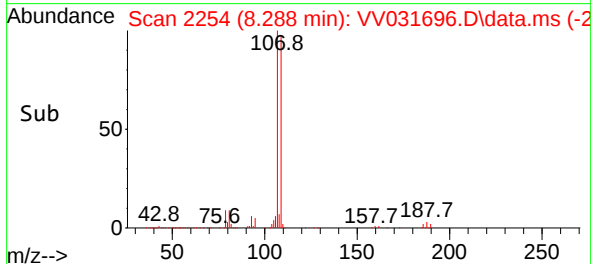
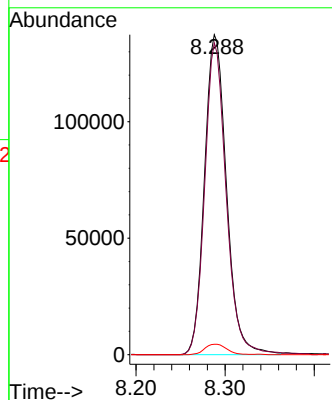
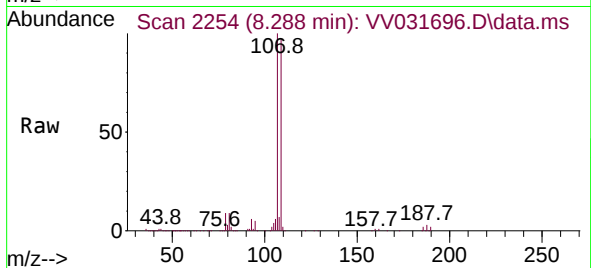
Tgt Ion:107 Resp: 235795

Ion Ratio Lower Upper

107 100

109 97.4 67.6 125.6

188 3.4 3.0 4.6



#51

Chlorobenzene

Concen: 21.078 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

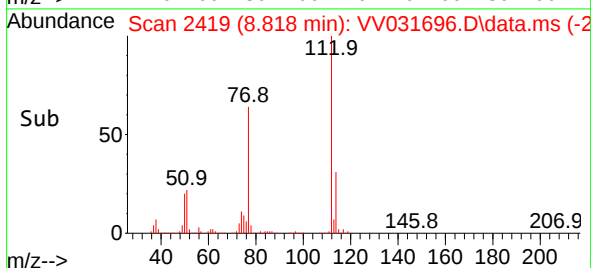
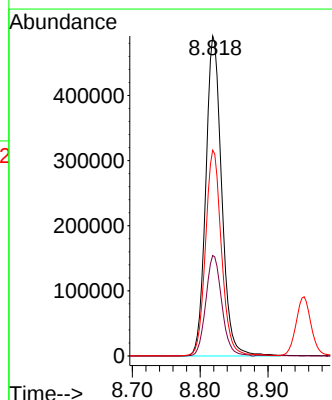
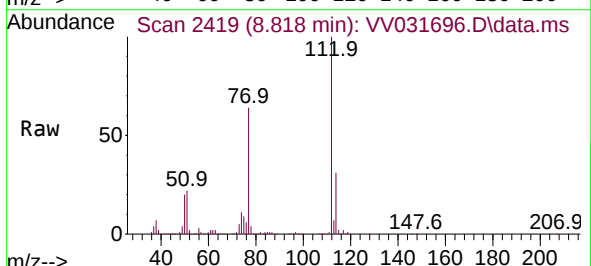
Tgt Ion:112 Resp: 801260

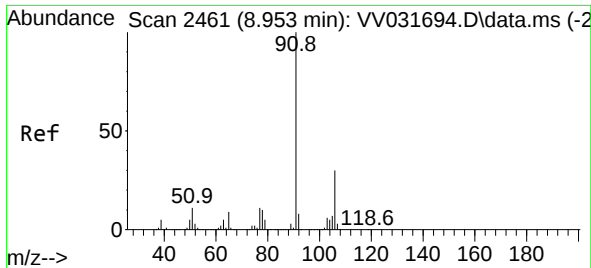
Ion Ratio Lower Upper

112 100

114 31.4 21.6 40.2

77 64.3 54.2 81.4

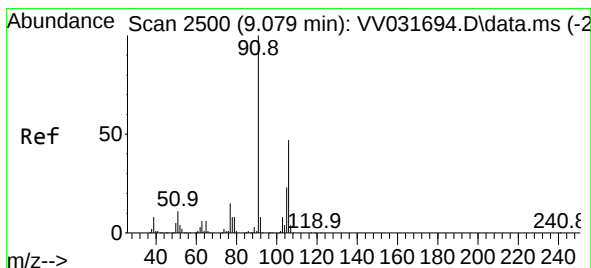
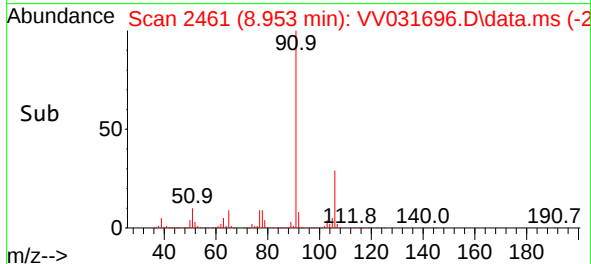
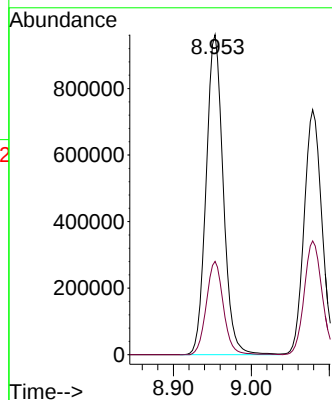
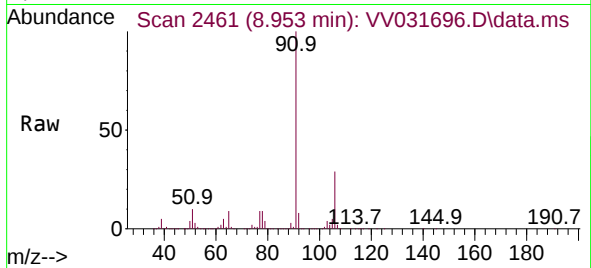




#52
Ethylbenzene
Concen: 25.669 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

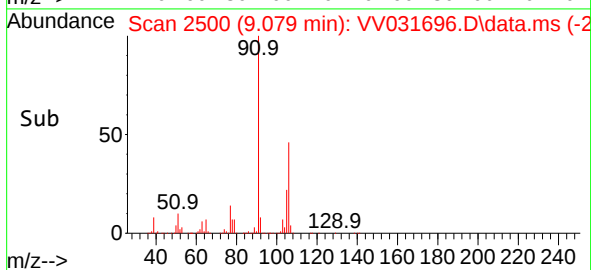
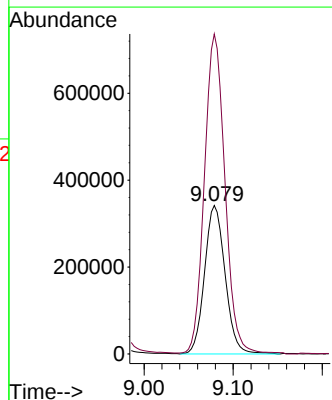
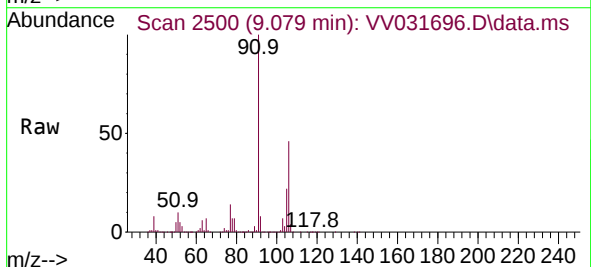
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

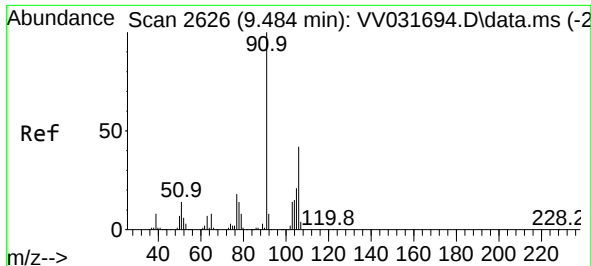
Tgt Ion: 91 Resp: 1466873
Ion Ratio Lower Upper
91 100
106 29.2 21.2 39.4



#53
m,p-Xylene
Concen: 25.951 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion:106 Resp: 548116
Ion Ratio Lower Upper
106 100
91 215.4 149.9 278.3

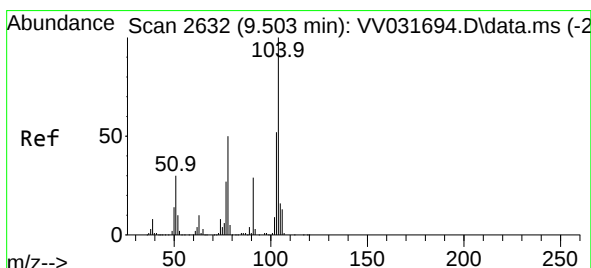
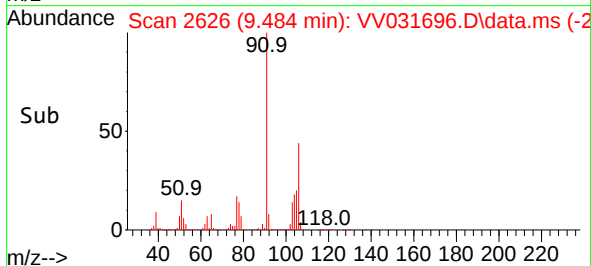
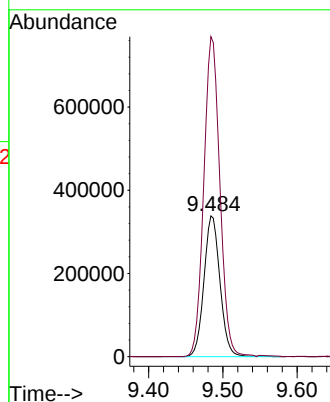
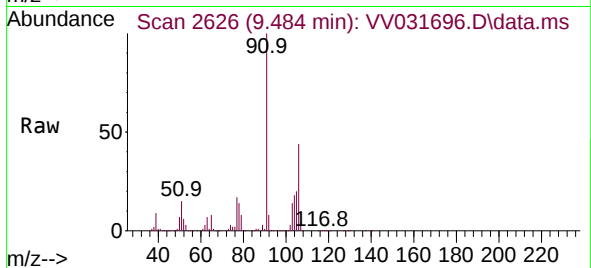




#54
o-Xylene
Concen: 25.851 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

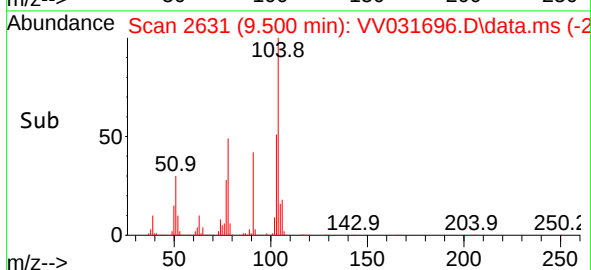
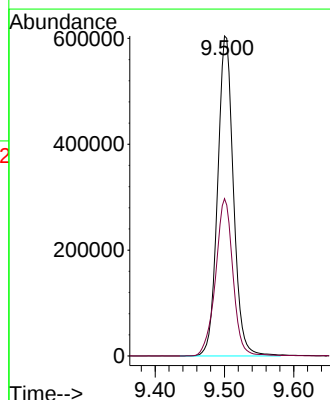
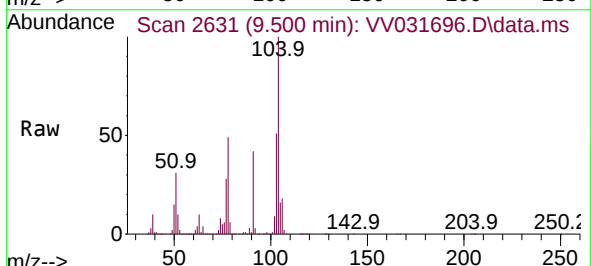
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

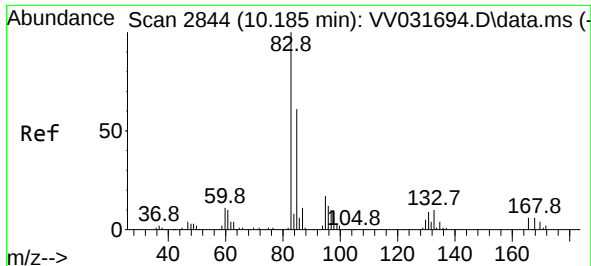
Tgt Ion:106 Resp: 506480
Ion Ratio Lower Upper
106 100
91 227.2 166.7 309.5



#55
Styrene
Concen: 26.008 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion:104 Resp: 961463
Ion Ratio Lower Upper
104 100
78 49.2 35.3 65.5





#57

1,1,2,2-Tetrachloroethane

Concen: 20.965 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

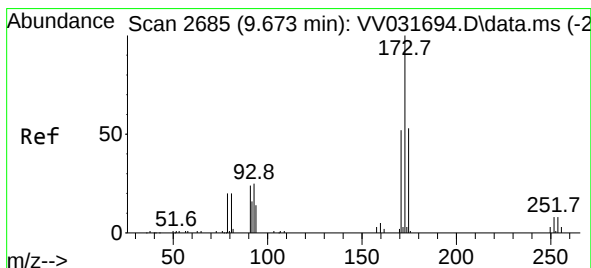
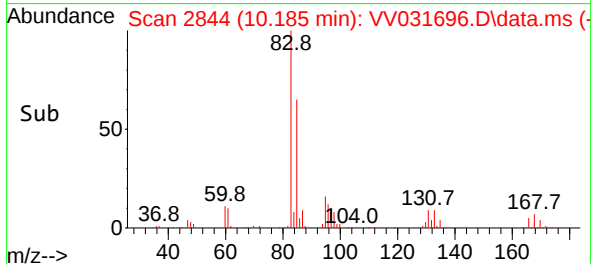
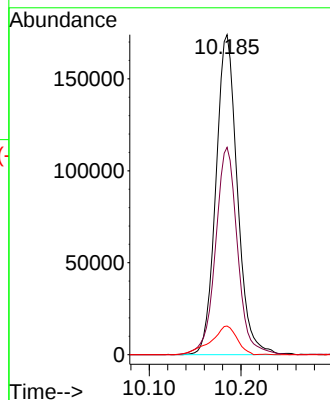
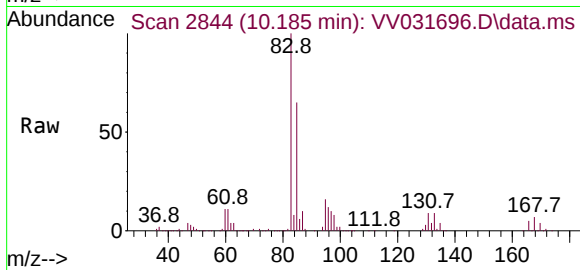
Tgt Ion: 83 Resp: 282410

Ion Ratio Lower Upper

83 100

85 64.8 48.6 90.2

131 9.0 7.0 10.6



#59

Bromoform

Concen: 18.318 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

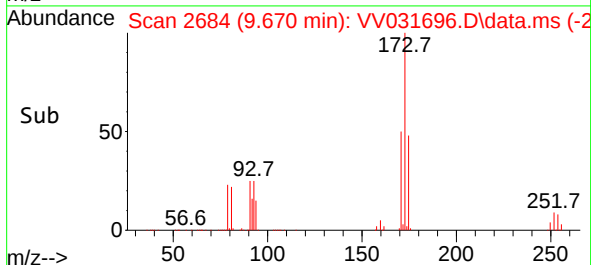
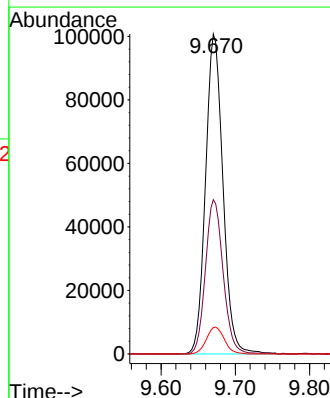
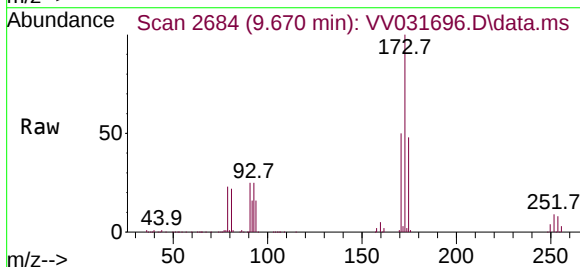
Tgt Ion: 173 Resp: 163736

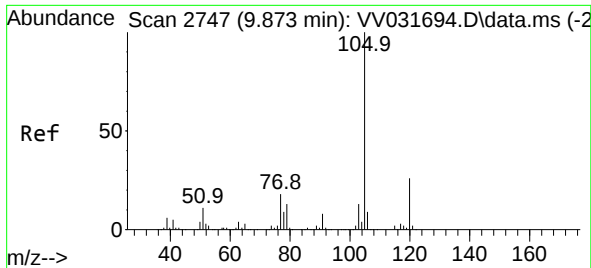
Ion Ratio Lower Upper

173 100

175 48.9 40.2 60.4

254 8.6 6.4 9.6

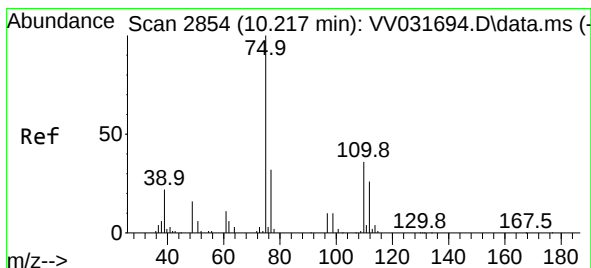
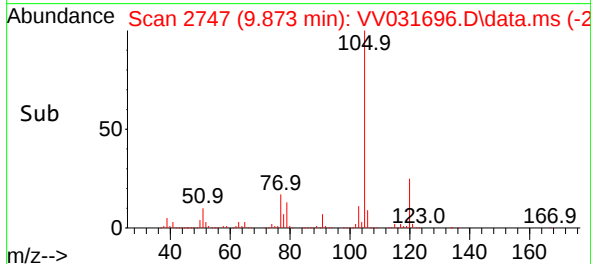
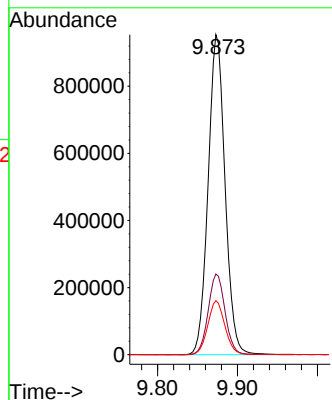
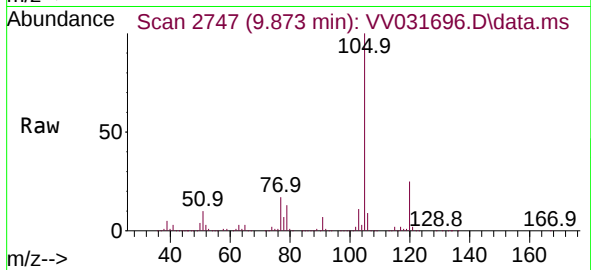




#60
Isopropylbenzene
Concen: 23.689 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

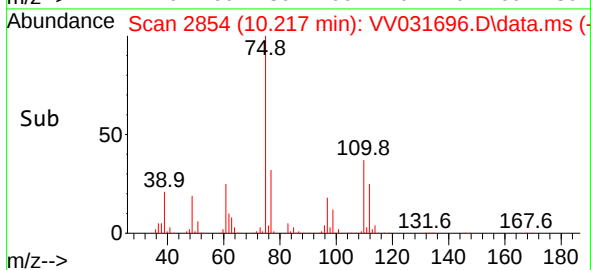
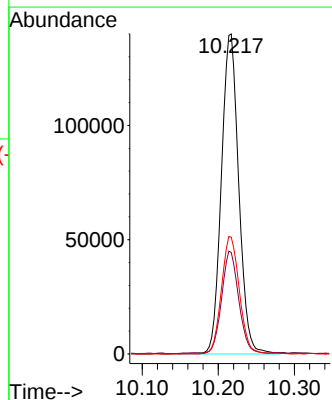
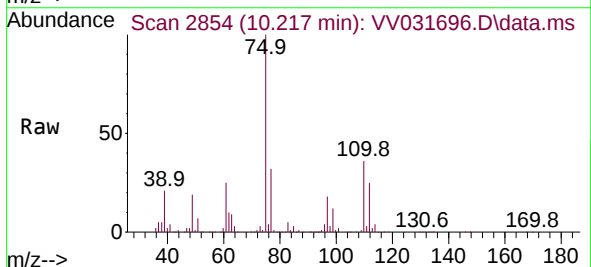
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

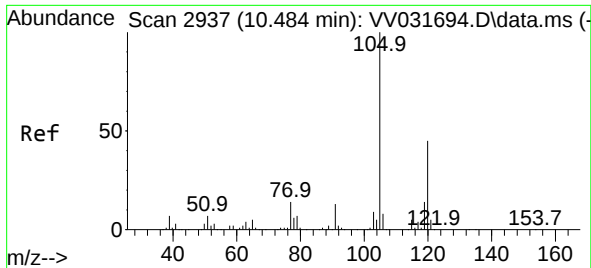
Tgt Ion:105 Resp: 1404977
Ion Ratio Lower Upper
105 100
120 25.1 20.0 30.0
77 17.0 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 18.662 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 75 Resp: 222095
Ion Ratio Lower Upper
75 100
77 31.0 25.9 38.9
110 37.7 28.6 42.8

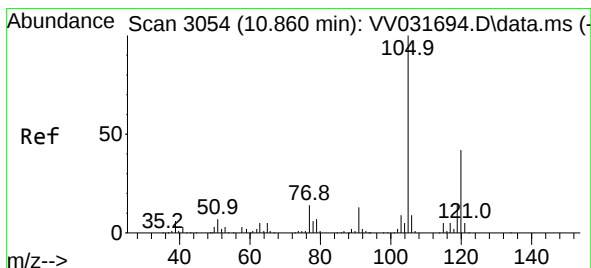
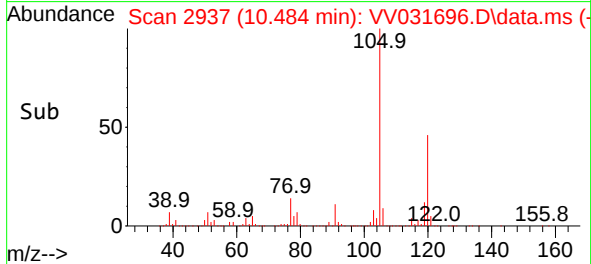
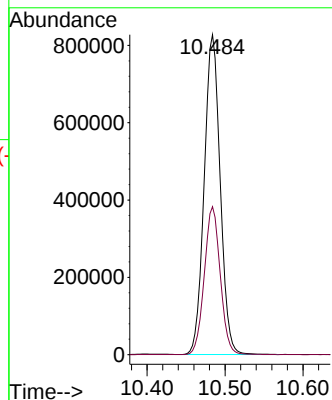
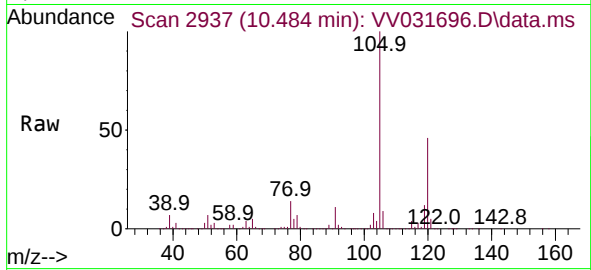




#62
 1,3,5-Trimethylbenzene
 Concen: 24.651 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

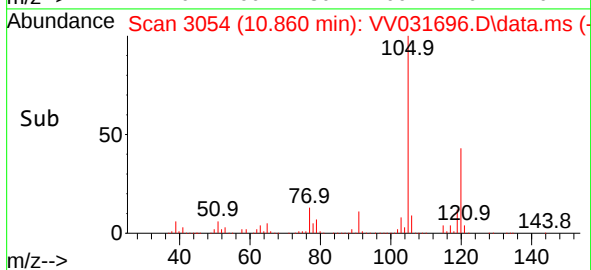
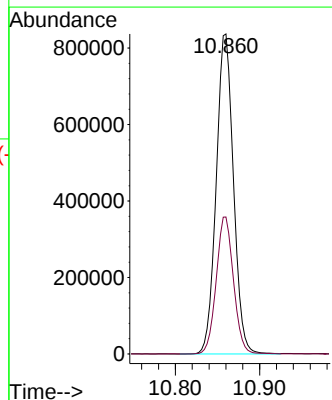
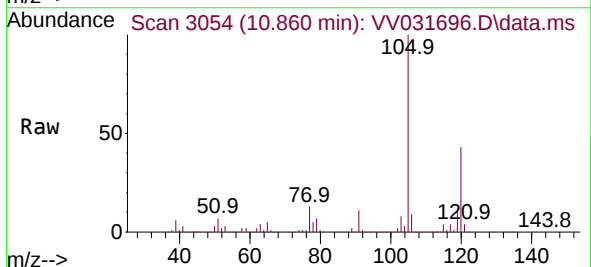
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020264

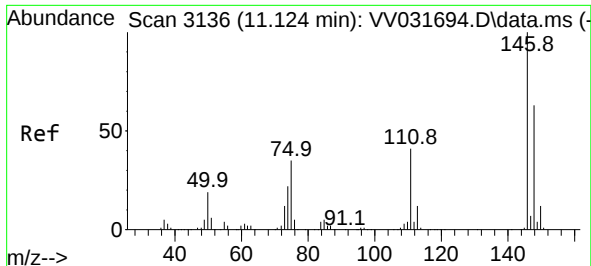
Tgt Ion:105 Resp: 1179616
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.2 54.4



#63
 1,2,4-Trimethylbenzene
 Concen: 24.862 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031696.D
 Acq: 13 Jul 2023 14:44

Tgt Ion:105 Resp: 1187387
 Ion Ratio Lower Upper
 105 100
 120 42.9 33.4 50.0

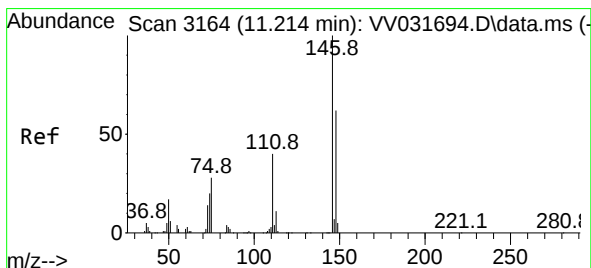
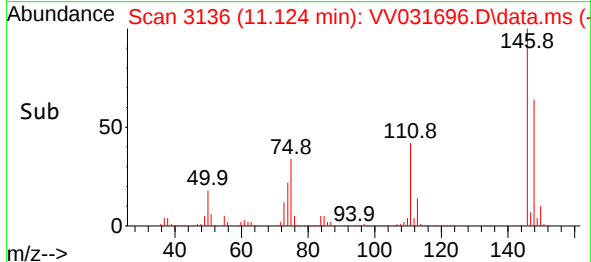
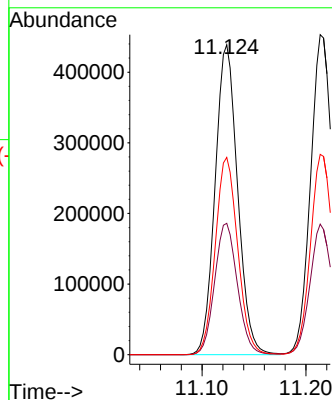
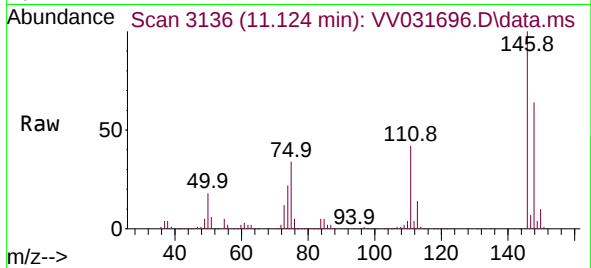




#64
1,3-Dichlorobenzene
Concen: 20.691 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

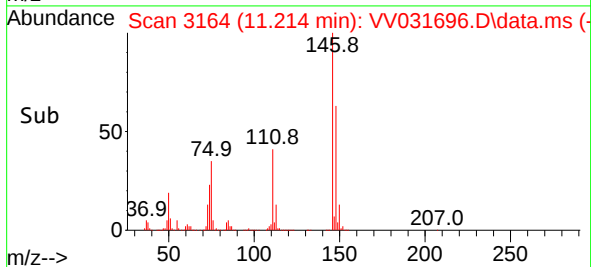
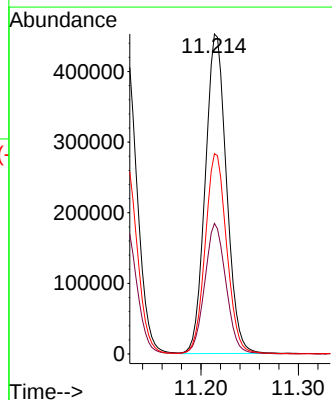
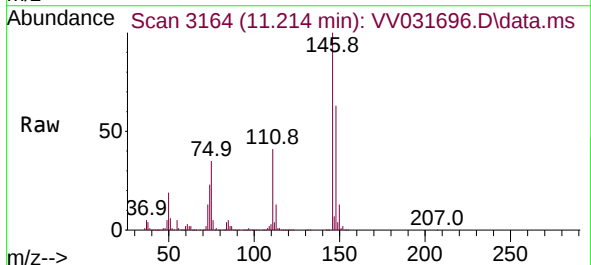
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

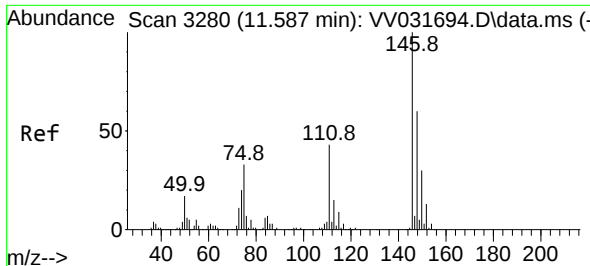
Tgt Ion:146 Resp: 661348
Ion Ratio Lower Upper
146 100
111 42.4 28.8 53.4
148 63.6 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 20.269 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion:146 Resp: 685724
Ion Ratio Lower Upper
146 100
111 40.8 28.2 52.4
148 62.6 43.6 81.0

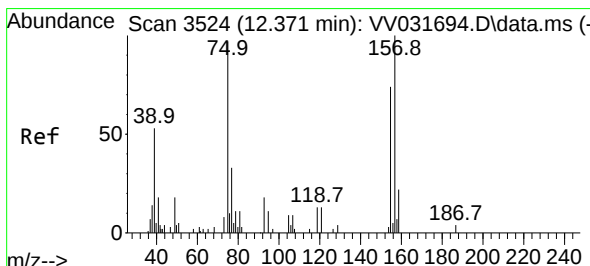
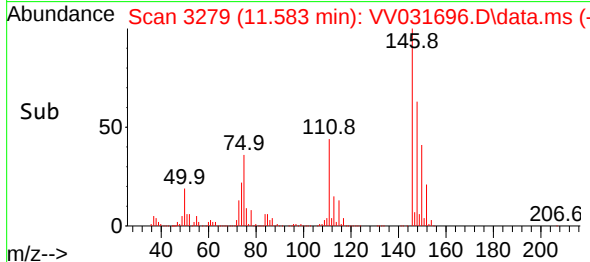
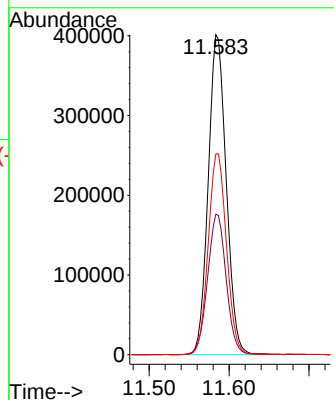
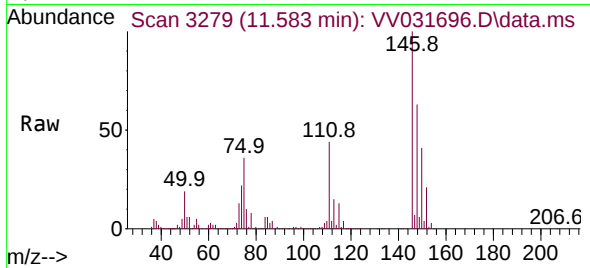




#67
1,2-Dichlorobenzene
Concen: 20.501 ug/L
RT: 11.583 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

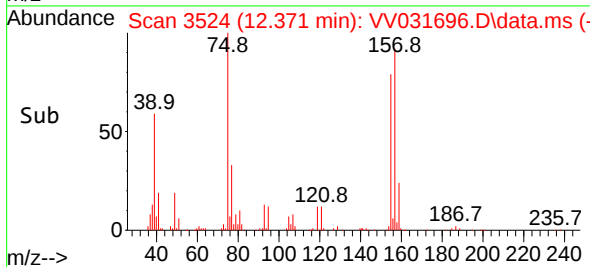
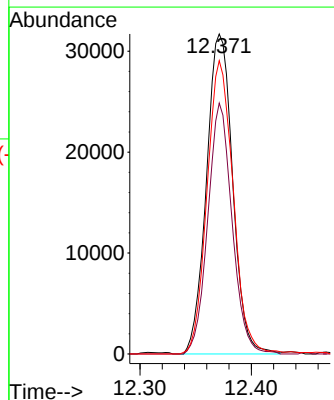
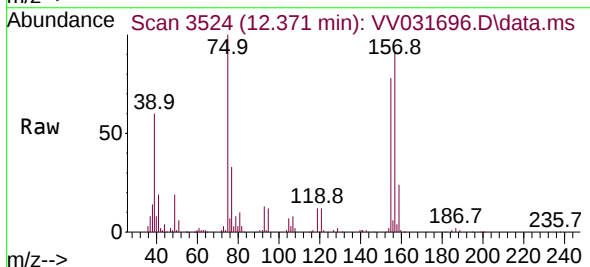
Instrument :
MSVOA_V
ClientSampleId :
VSTD020264

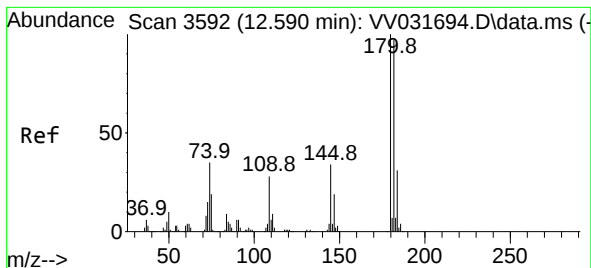
Tgt Ion:146 Resp: 628011
Ion Ratio Lower Upper
146 100
111 43.9 34.2 51.4
148 62.7 48.1 72.1



#68
1,2-Dibromo-3-chloropropane
Concen: 21.219 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031696.D
Acq: 13 Jul 2023 14:44

Tgt Ion: 75 Resp: 51891
Ion Ratio Lower Upper
75 100
155 78.4 61.4 92.0
157 91.7 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 20.274 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

Tgt Ion:180 Resp: 473953

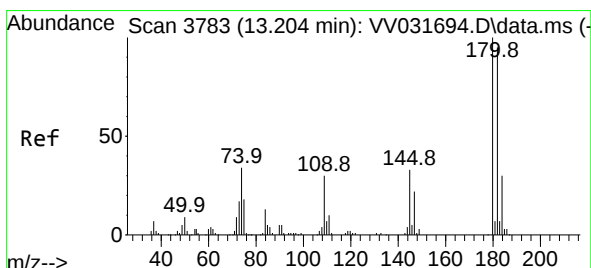
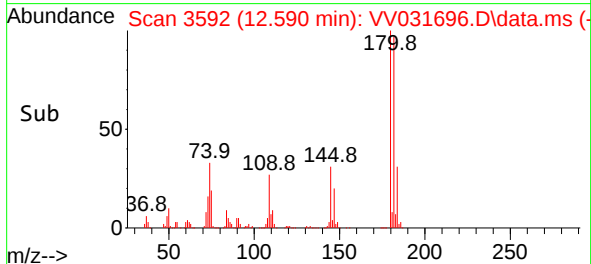
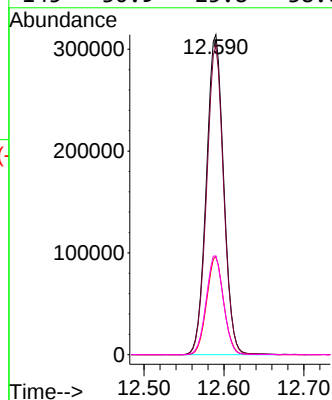
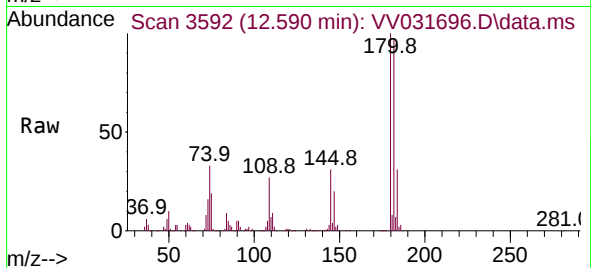
Ion Ratio Lower Upper

180 100

182 95.2 78.3 117.5

184 30.0 24.5 36.7

145 30.9 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 21.391 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

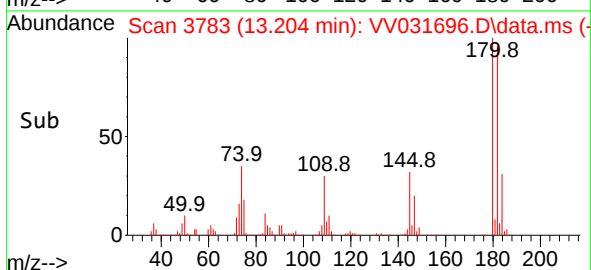
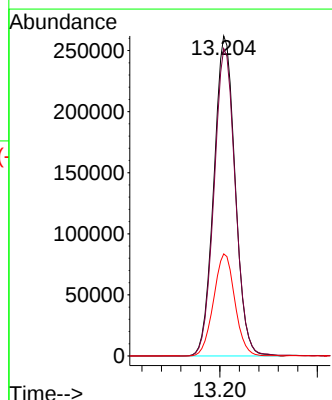
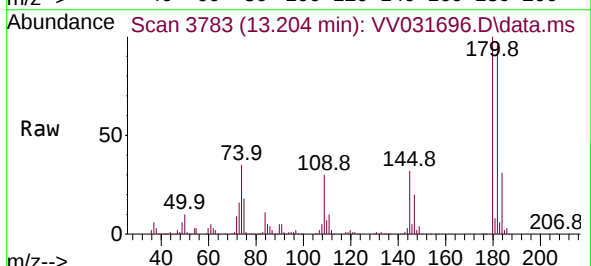
Tgt Ion:180 Resp: 396240

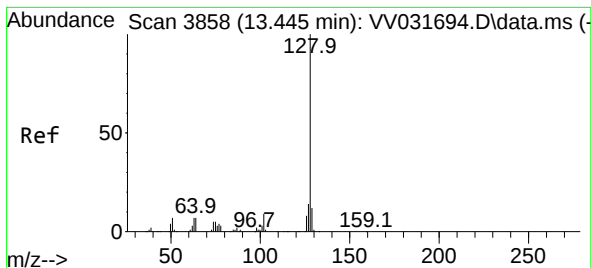
Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 31.9 26.2 39.4





#71

Naphthalene

Concen: 24.621 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD020264

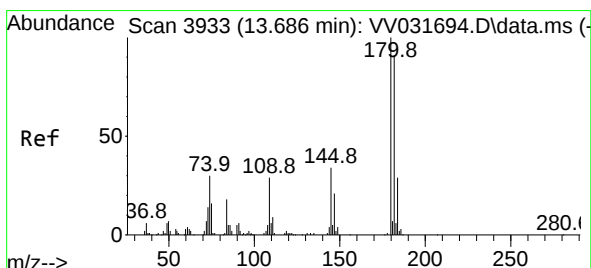
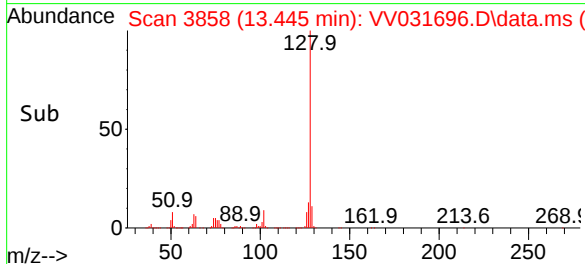
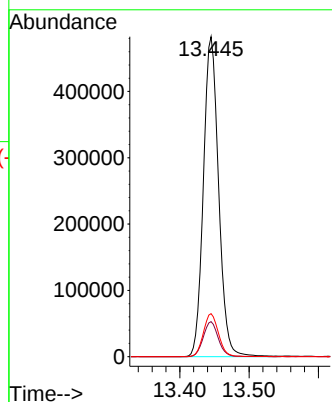
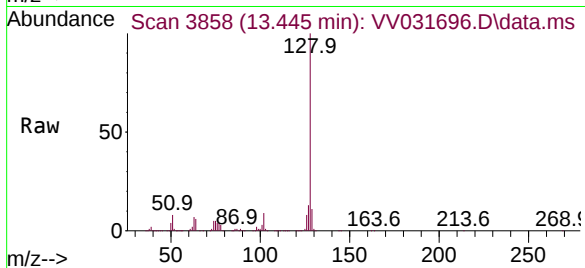
Tgt Ion:128 Resp: 735748

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

127 13.4 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 22.289 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031696.D

Acq: 13 Jul 2023 14:44

Tgt Ion:180 Resp: 381265

Ion Ratio Lower Upper

180 100

182 95.0 74.6 111.8

145 34.1 27.4 41.0

