

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031676.D
 Acq On : 11 Jul 2023 13:04
 Operator : SY/MD
 Sample : VSTD00544
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005244

Quant Time: Jul 12 07:41:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	320838	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	320112	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	173543	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	13767	6.093	ug/L	0.00
7) Chloroethane-d5	1.535	69	10169	5.225	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5432	4.745	ug/L	0.00
21) 2-Butanone-d5	3.822	46	9442	5.440	ug/L	0.03
24) Chloroform-d	4.259	84	27404	5.021	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	17378	5.159	ug/L	0.00
32) Benzene-d6	4.969	84	44095	4.853	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	15770	4.937	ug/L	0.00
41) Toluene-d8	7.252	98	36192	4.322	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	6700	4.346	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	7536	6.130	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	19867	4.144	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	15759	4.804	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	18036	5.126	ug/L	97
3) Chloromethane	1.217	50	20071	6.025	ug/L	97
5) Vinyl chloride	1.285	62	18030	5.483	ug/L	97
6) Bromomethane	1.490	94	11132	5.274	ug/L	86
8) Chloroethane	1.552	64	9759	4.628	ug/L	98
9) Trichlorofluoromethane	1.716	101	25628	4.752	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	14147	4.826	ug/L	97
12) 1,1-Dichloroethene	2.072	96	12060	4.913	ug/L	86
13) Acetone	2.124	43	13032	7.600	ug/L	100
14) Carbon disulfide	2.243	76	43803	5.846	ug/L	99
15) Methyl Acetate	2.384	43	14846	5.092	ug/L	99
16) Methylene chloride	2.452	84	15932	5.247	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	12634	5.007	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	34937	4.234	ug/L	98
19) 1,1-Dichloroethane	3.117	63	27367	5.066	ug/L	93
20) cis-1,2-Dichloroethene	3.825	96	12996	4.815	ug/L	96
22) 2-Butanone	3.908	43	14597	6.725	ug/L	92
23) Bromochloromethane	4.166	128	7200	4.860	ug/L	92
25) Chloroform	4.285	83	28043	4.990	ug/L	97
27) 1,2-Dichloroethane	5.053	62	20949	4.864	ug/L	98
29) Cyclohexane	4.587	56	16469	3.970	ug/L	94
30) 1,1,1-Trichloroethane	4.522	97	24774	4.848	ug/L	96
31) Carbon tetrachloride	4.744	117	21686	4.791	ug/L	97
33) Benzene	5.018	78	48757	4.574	ug/L	100
34) Trichloroethene	5.844	95	15846	5.494	ug/L	89
35) Methylcyclohexane	6.056	83	18342	4.397	ug/L	94
37) 1,2-Dichloropropane	6.101	63	14969	4.811	ug/L	100
38) Bromodichloromethane	6.442	83	20021	4.730	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	17783	3.868	ug/L	97
40) 4-Methyl-2-pentanone	7.172	43	30186	8.273	ug/L	93
42) Toluene	7.323	91	47105	4.250	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	18396	4.097	ug/L	95

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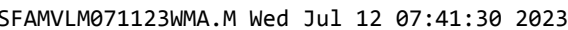
Quant Time: Jul 12 07:41:20 2023
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 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
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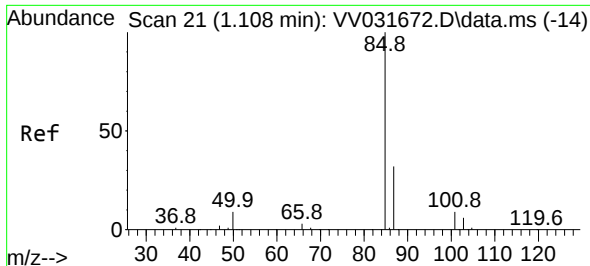
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	13872	4.677	ug/L	90
46) Tetrachloroethene	7.911	164	11389	5.060	ug/L	96
48) 2-Hexanone	8.088	43	19412	6.564	ug/L #	97
49) Dibromochloromethane	8.181	129	15365	4.649	ug/L	95
50) 1,2-Dibromoethane	8.291	107	15175	4.789	ug/L #	98
51) Chlorobenzene	8.821	112	35597	4.860	ug/L	97
52) Ethylbenzene	8.953	91	47149	3.848	ug/L	98
53) m,p-Xylene	9.082	106	16422	3.628	ug/L	99
54) o-Xylene	9.484	106	15172	3.563	ug/L	92
55) Styrene	9.503	104	26930	3.496	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	19323	4.044	ug/L	93
59) Bromoform	9.673	173	8363	3.854	ug/L #	96
60) Isopropylbenzene	9.873	105	41972	3.841	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	16693	4.850	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	33187	3.691	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	30857	3.620	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	25752	4.645	ug/L	92
65) 1,4-Dichlorobenzene	11.217	146	30455	5.142	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	27224	4.852	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	5303	5.139	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	19429	4.601	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	16970	4.604	ug/L	98
71) Naphthalene	13.445	128	46432	4.899	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	18826	4.918	ug/L	97

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

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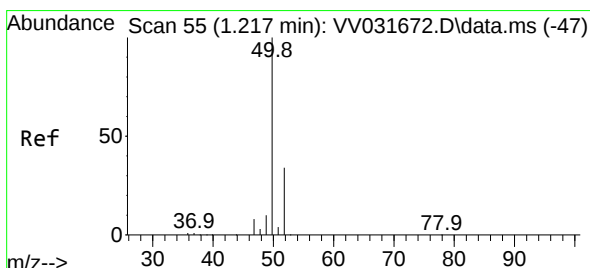
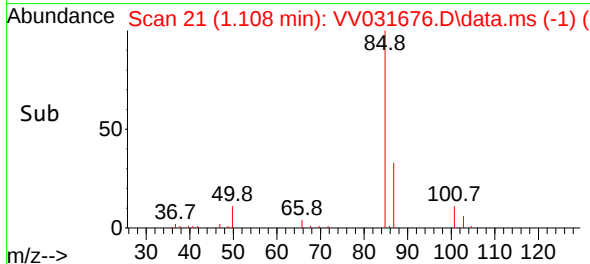
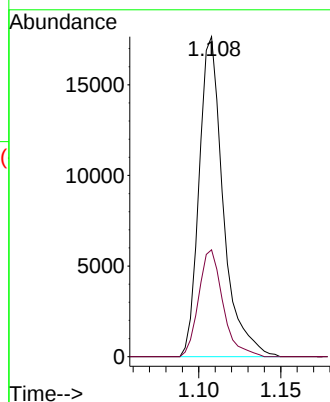
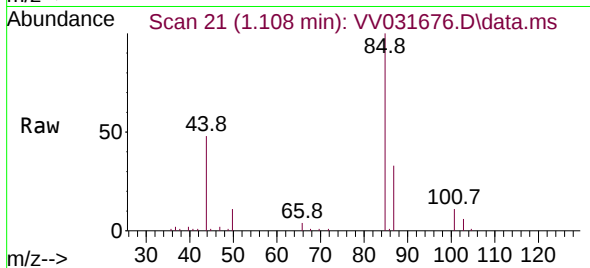




#2
 Dichlorodifluoromethane
 Concen: 5.126 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

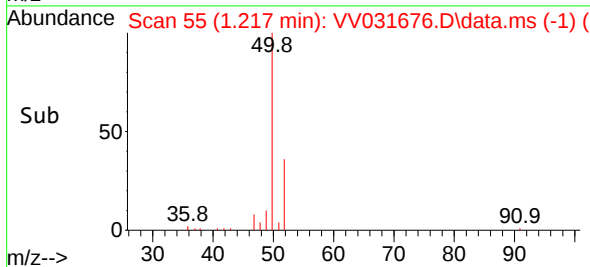
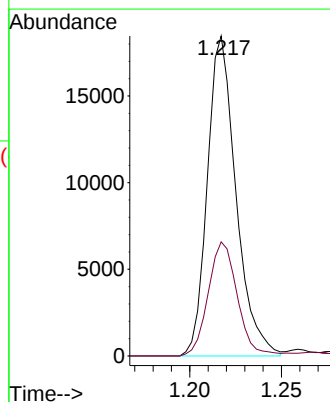
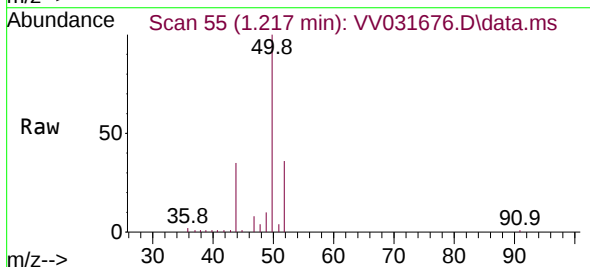
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005244

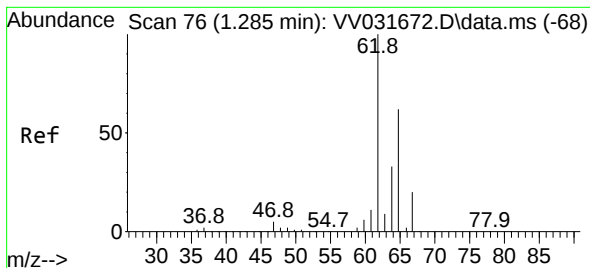
Tgt Ion: 85 Resp: 18036
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.8 38.6



#3
 Chloromethane
 Concen: 6.025 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

Tgt Ion: 50 Resp: 20071
 Ion Ratio Lower Upper
 50 100
 52 35.7 23.7 44.1





#5

Vinyl chloride

Concen: 5.483 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

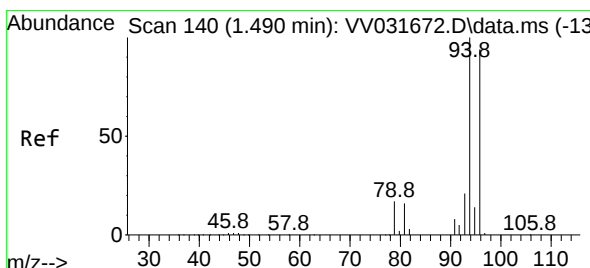
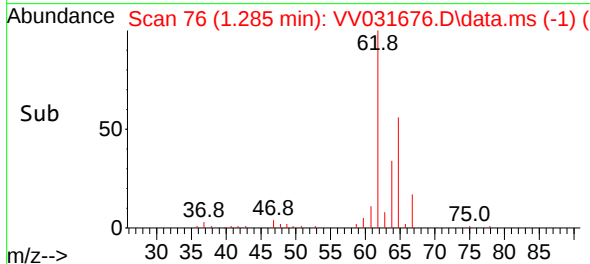
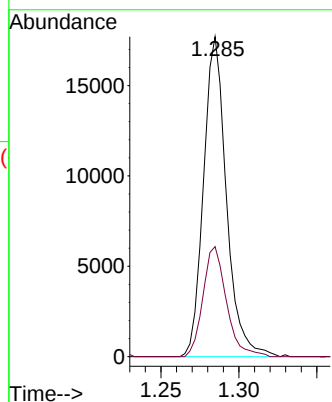
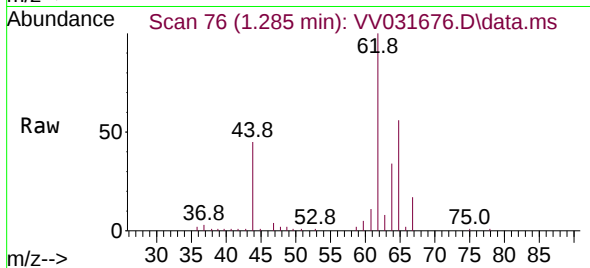
VSTD005244

Tgt Ion: 62 Resp: 18030

Ion Ratio Lower Upper

62 100

64 34.4 22.9 42.5



#6

Bromomethane

Concen: 5.274 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031676.D

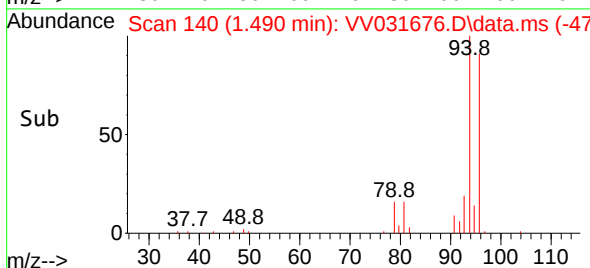
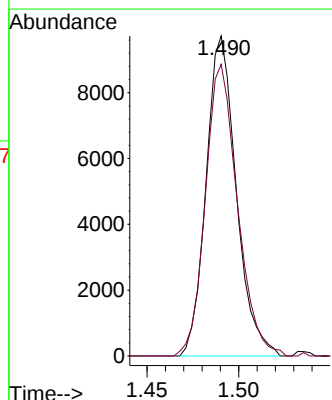
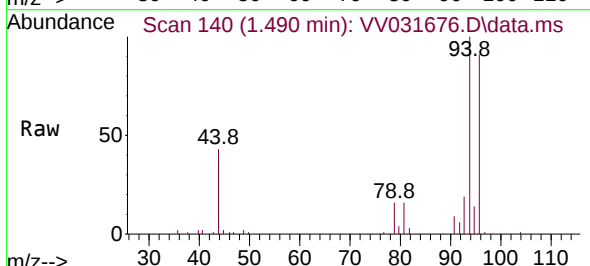
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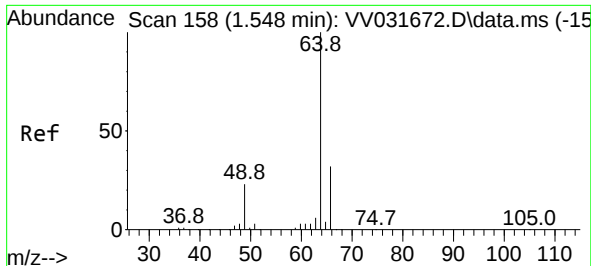
Tgt Ion: 94 Resp: 11132

Ion Ratio Lower Upper

94 100

96 80.2 65.7 121.9

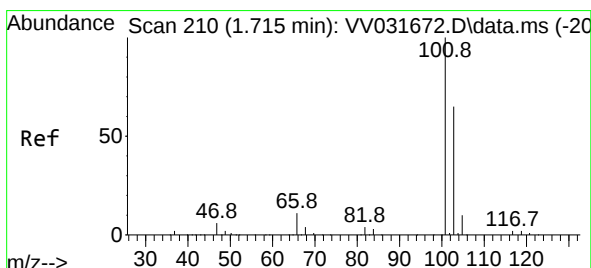
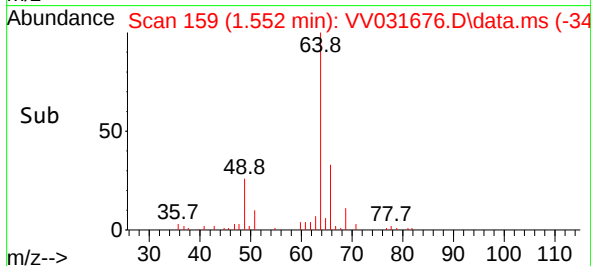
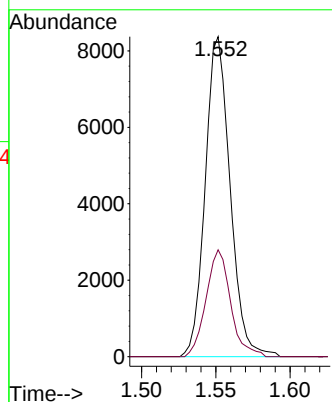
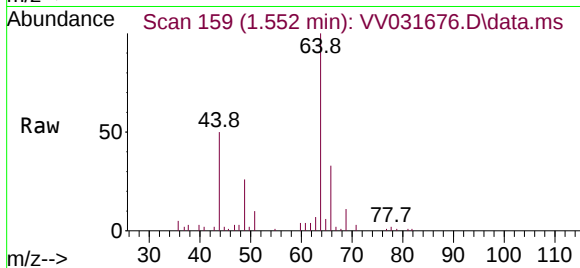




#8
Chloroethane
Concen: 4.628 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

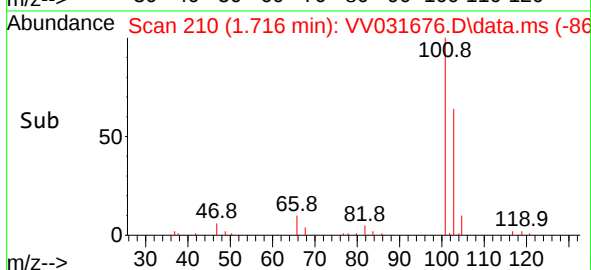
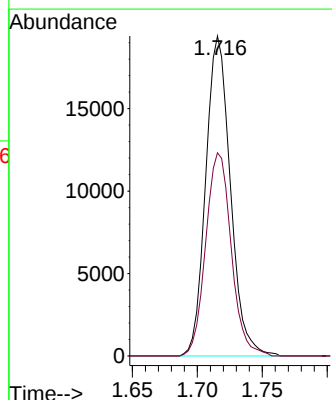
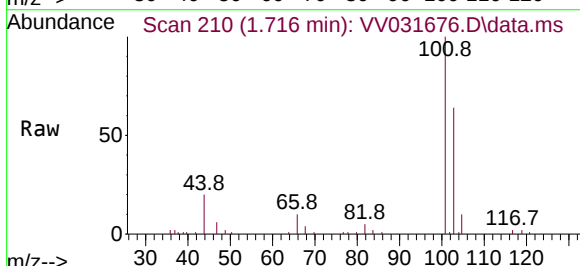
Instrument :
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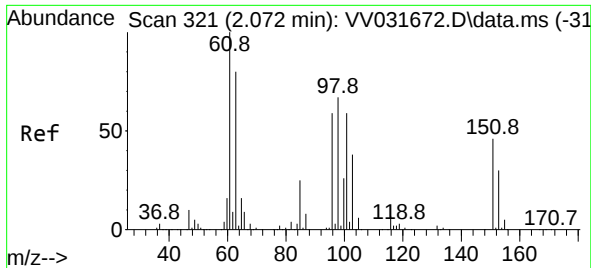
Tgt Ion: 64 Resp: 9759
Ion Ratio Lower Upper
64 100
66 33.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.752 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:101 Resp: 25628
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

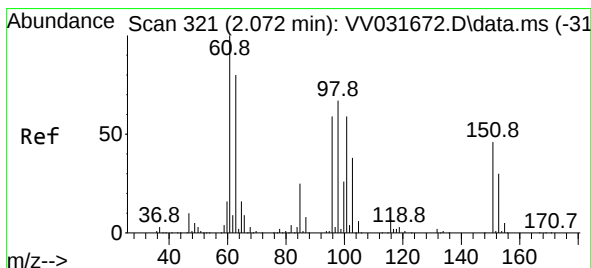
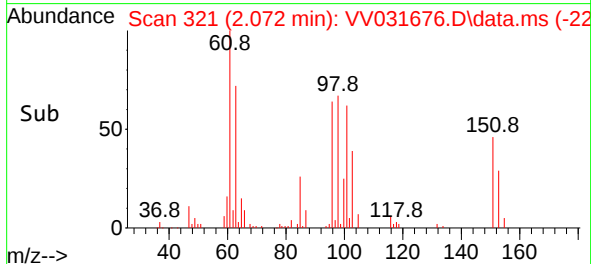
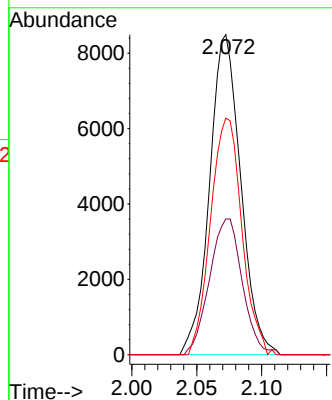
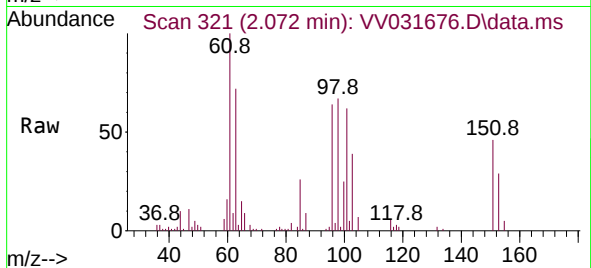




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.826 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

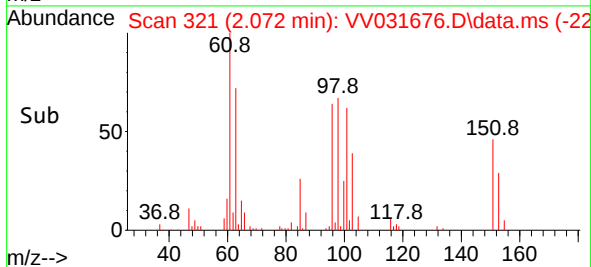
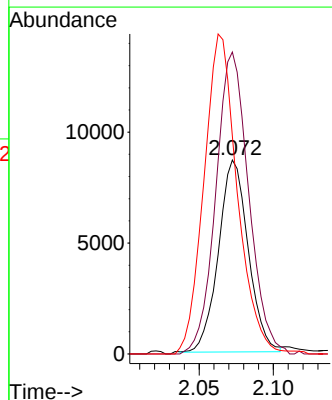
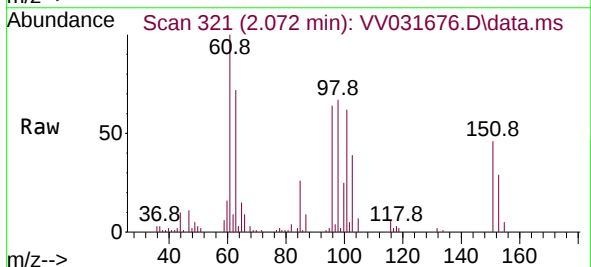
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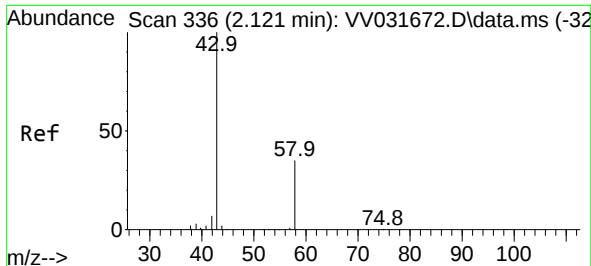
Tgt Ion:	101	Resp:	14147
Ion	Ratio	Lower	Upper
101	100		
85	44.3	33.9	50.9
151	73.9	61.0	91.6



#12
1,1-Dichloroethene
Concen: 4.913 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:	96	Resp:	12060
Ion	Ratio	Lower	Upper
96	100		
61	155.7	118.3	219.7
63	116.4	96.8	179.8





#13

Acetone

Concen: 7.600 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

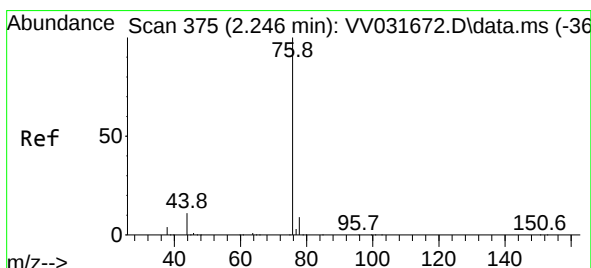
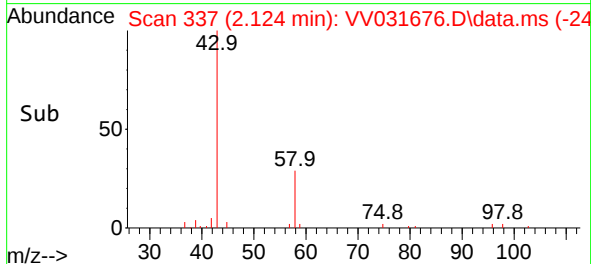
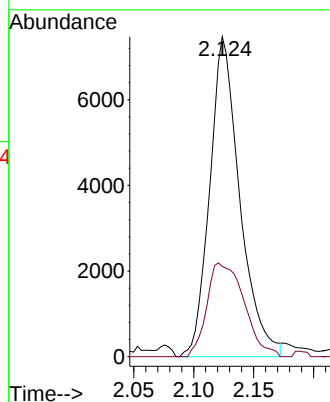
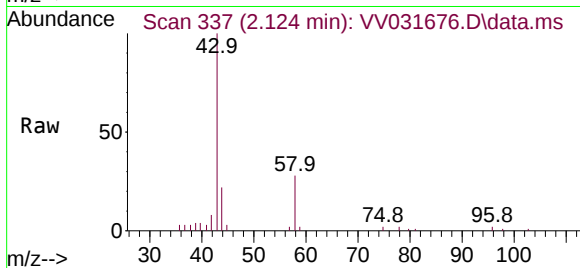
VSTD005244

Tgt Ion: 43 Resp: 13032

Ion Ratio Lower Upper

43 100

58 36.1 0.0 72.0



#14

Carbon disulfide

Concen: 5.846 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031676.D

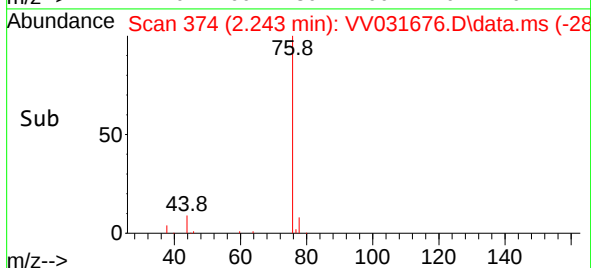
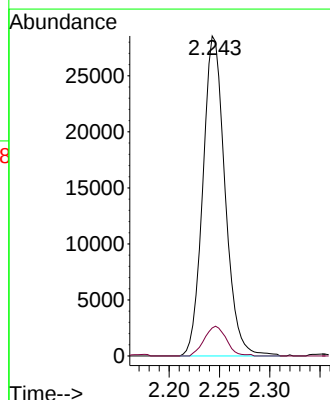
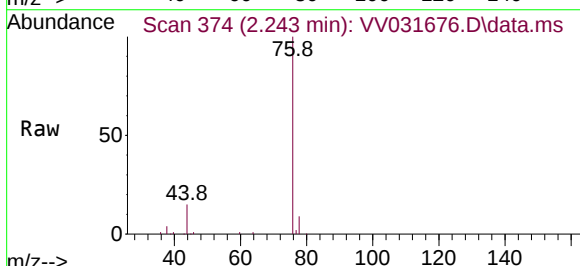
Acq: 11 Jul 2023 13:04

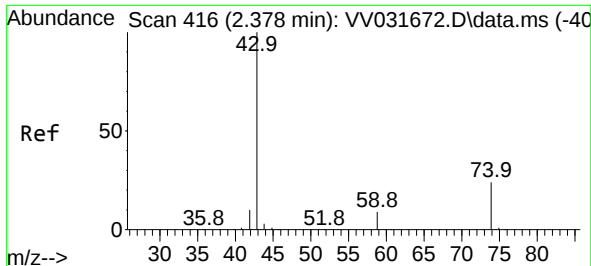
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Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

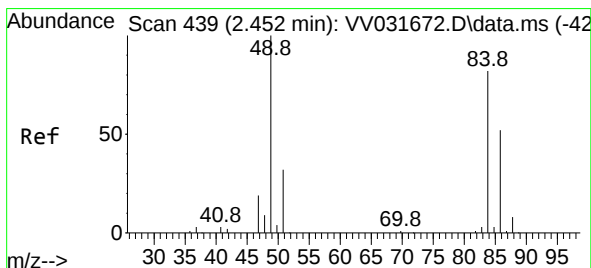
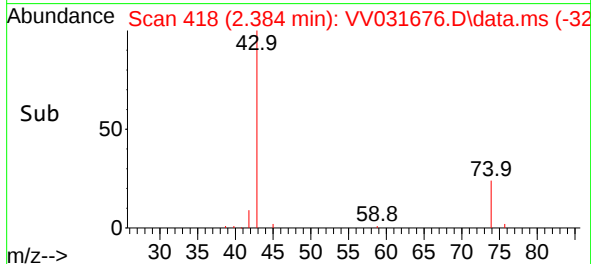
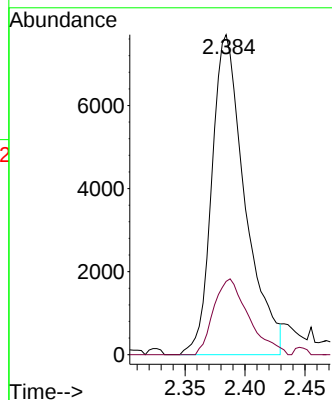
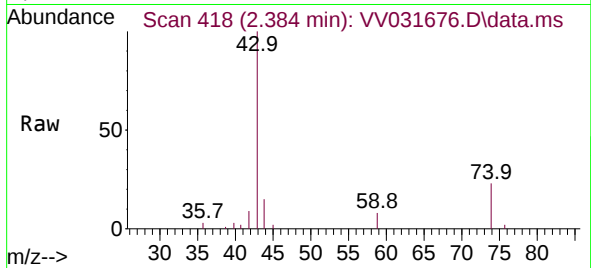




#15
Methyl Acetate
Concen: 5.092 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

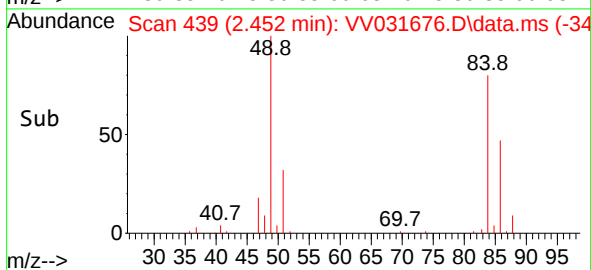
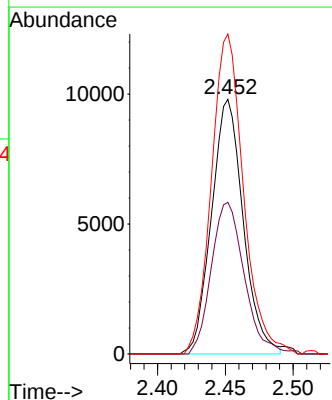
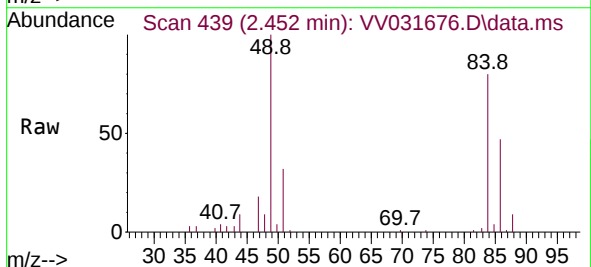
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

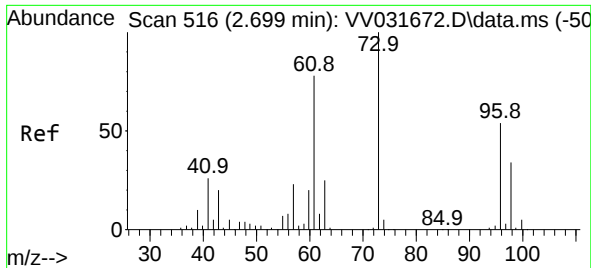
Tgt Ion: 43 Resp: 14846
Ion Ratio Lower Upper
43 100
74 24.9 19.5 29.3



#16
Methylene chloride
Concen: 5.247 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 84 Resp: 15932
Ion Ratio Lower Upper
84 100
86 59.6 44.5 82.7
49 125.7 85.3 158.5

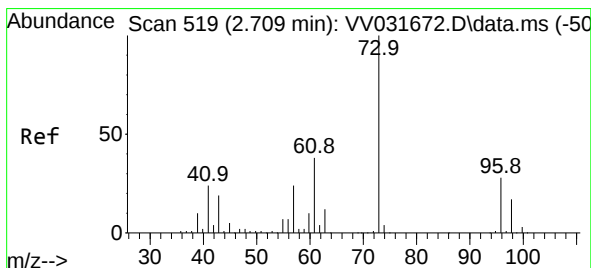
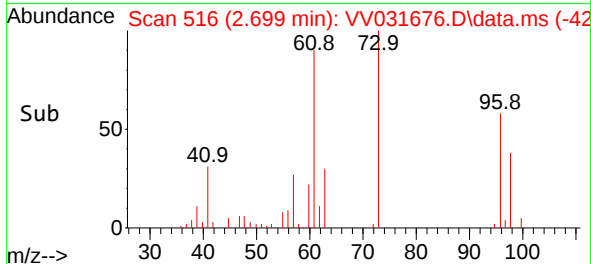
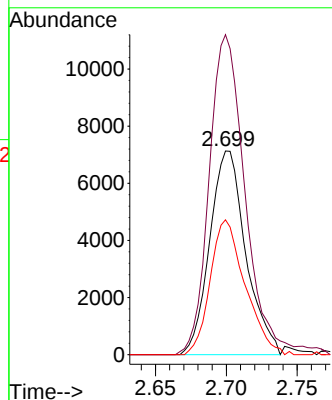
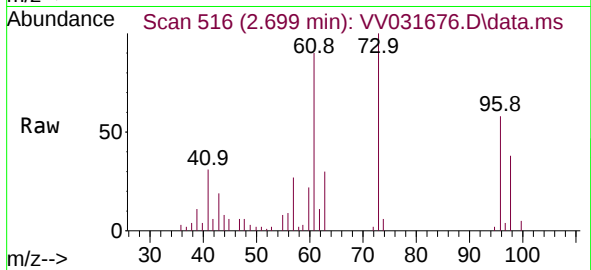




#17
trans-1,2-Dichloroethene
Concen: 5.007 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

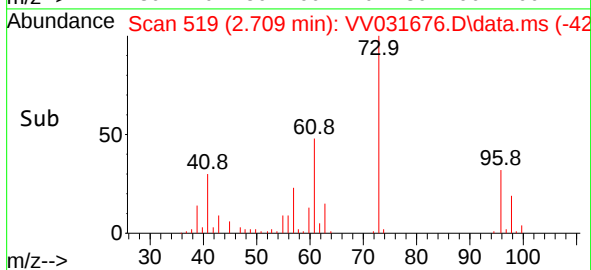
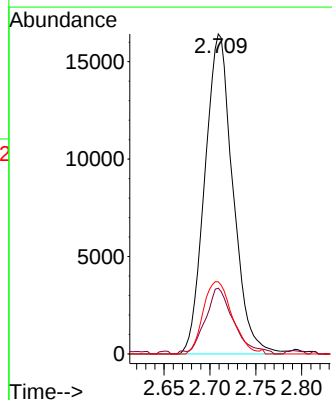
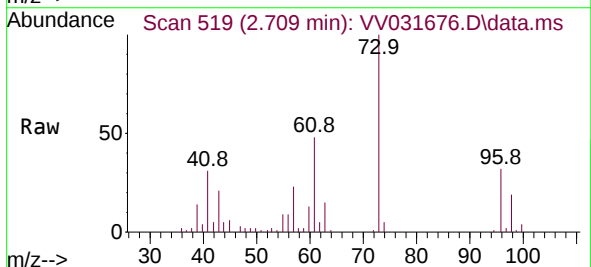
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

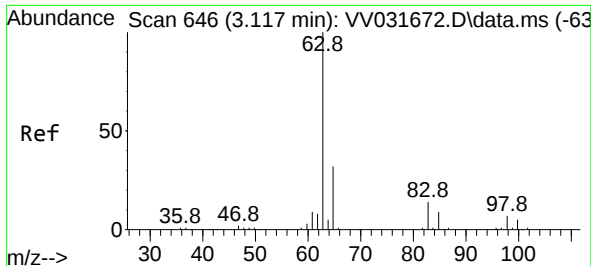
Tgt Ion: 96 Resp: 12634
Ion Ratio Lower Upper
96 100
61 147.6 101.6 188.6
98 62.2 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 4.234 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 73 Resp: 34937
Ion Ratio Lower Upper
73 100
43 20.6 15.0 22.4
57 23.3 18.3 27.5





#19

1,1-Dichloroethane

Concen: 5.066 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

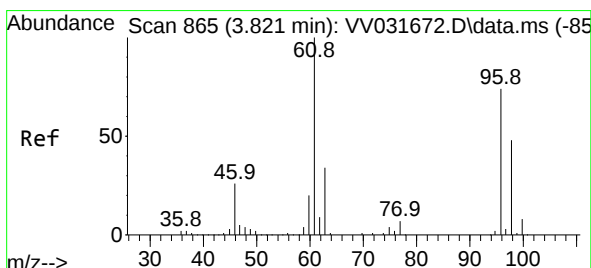
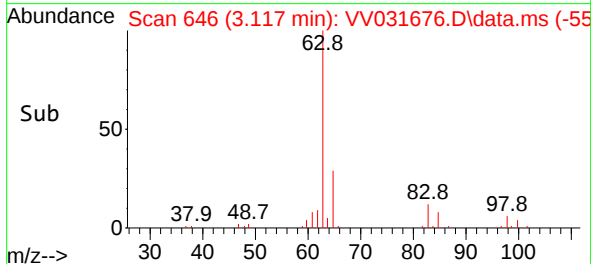
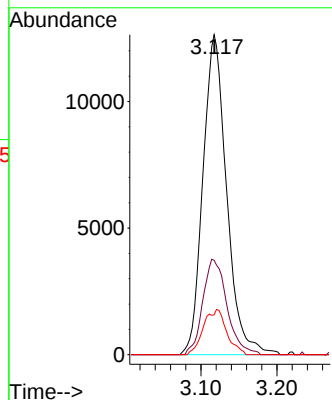
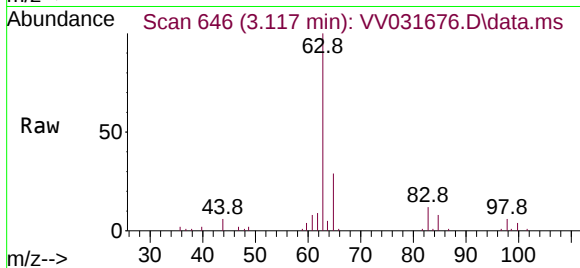
Tgt Ion: 63 Resp: 27367

Ion Ratio Lower Upper

63 100

65 27.9 22.3 41.5

83 12.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 4.815 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

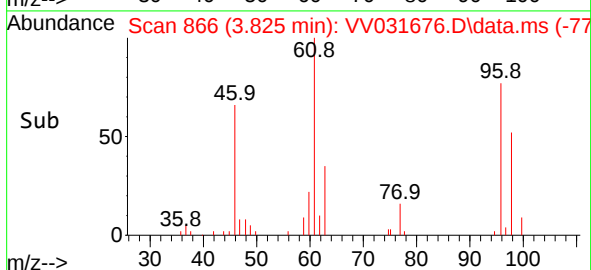
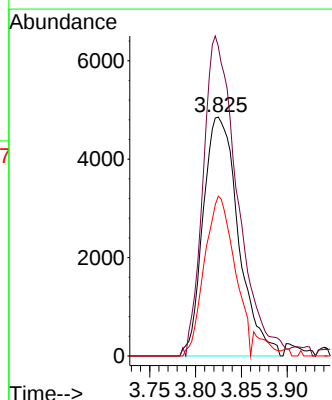
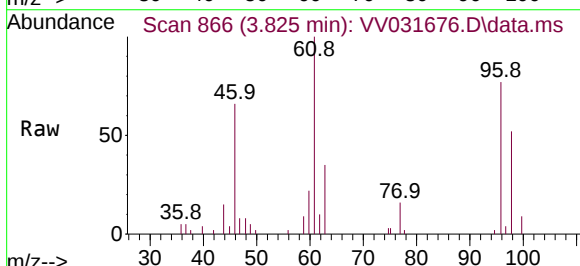
Tgt Ion: 96 Resp: 12996

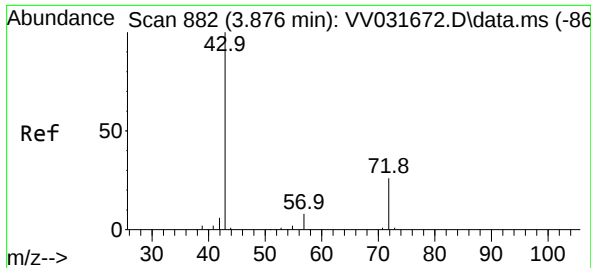
Ion Ratio Lower Upper

96 100

61 123.0 90.6 168.2

98 63.5 43.8 81.3

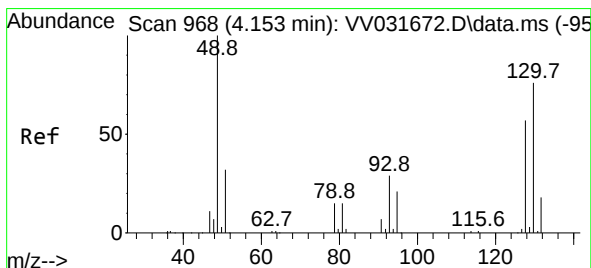
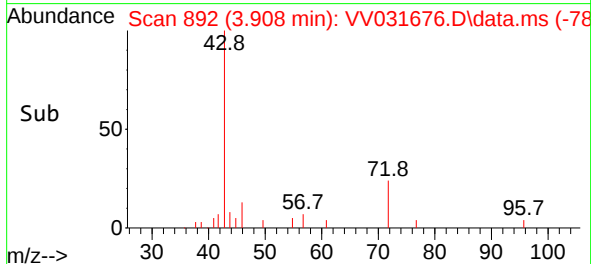
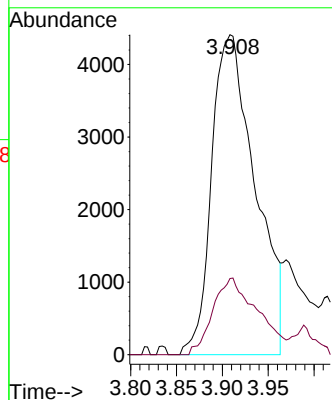
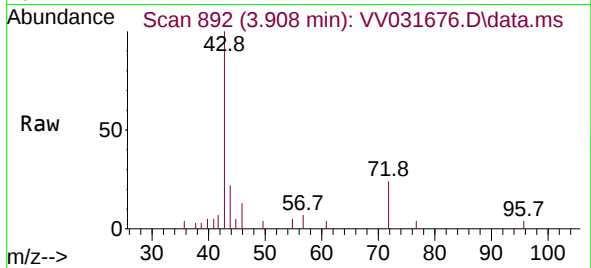




#22
2-Butanone
Concen: 6.725 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.032 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

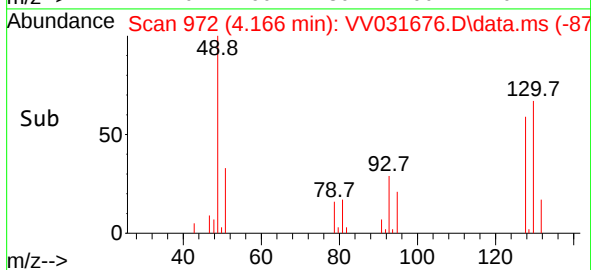
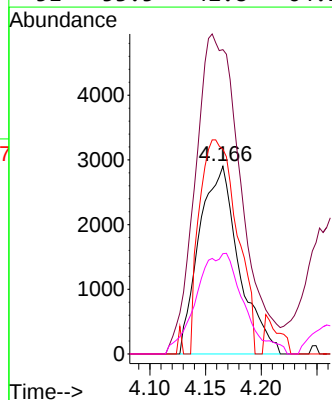
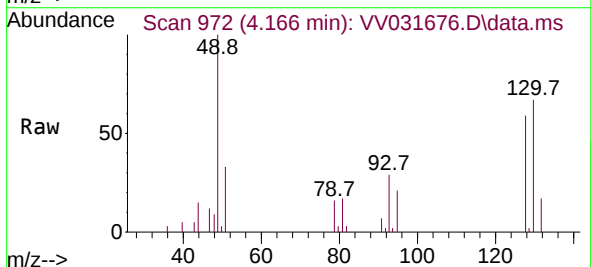
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

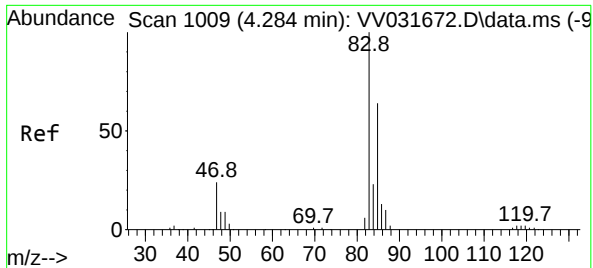
Tgt Ion: 43 Resp: 14597
Ion Ratio Lower Upper
43 100
72 21.0 12.7 38.0



#23
Bromochloromethane
Concen: 4.860 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.013 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 128 Resp: 7200
Ion Ratio Lower Upper
128 100
49 162.2 117.9 218.9
130 109.1 89.1 165.5
51 53.5 42.8 64.2

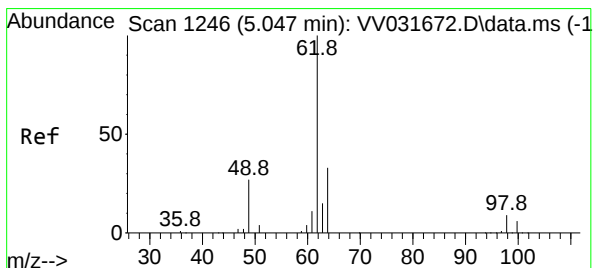
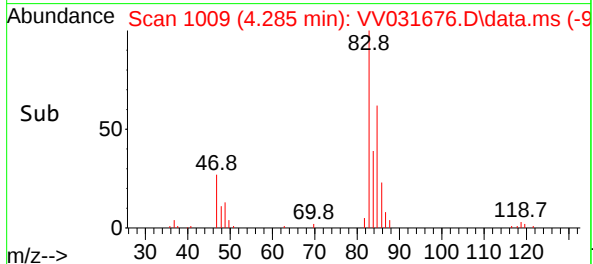
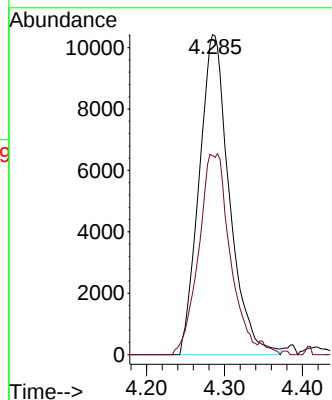
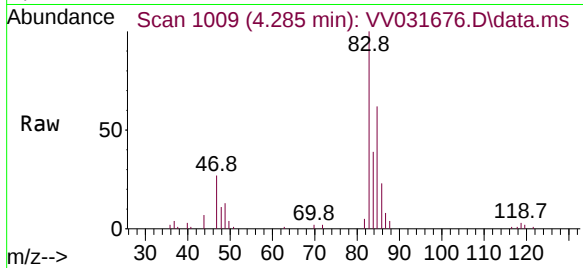




#25
Chloroform
Concen: 4.990 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

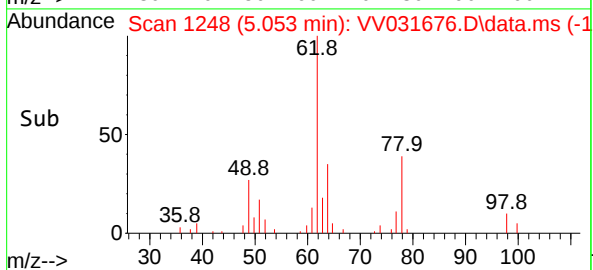
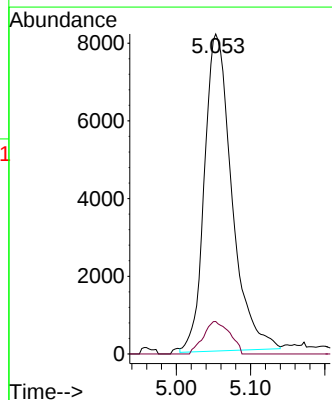
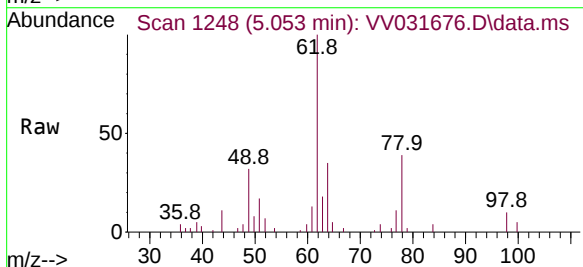
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

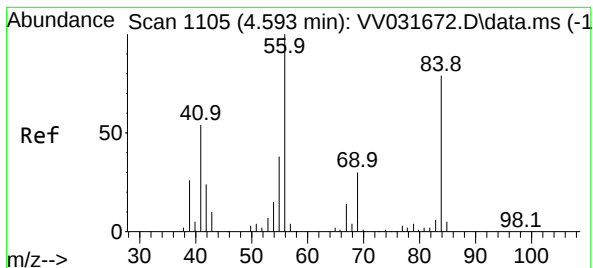
Tgt Ion: 83 Resp: 28043
Ion Ratio Lower Upper
83 100
85 62.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.864 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 62 Resp: 20949
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 3.970 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

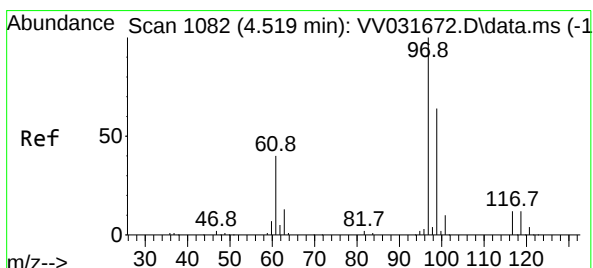
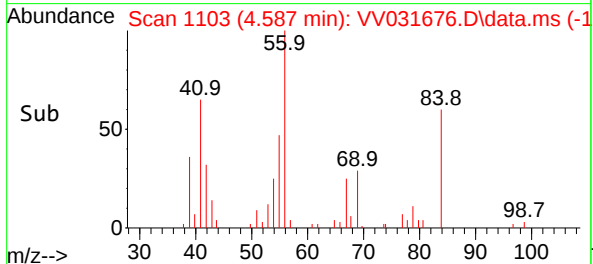
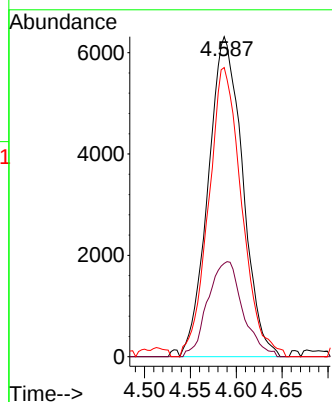
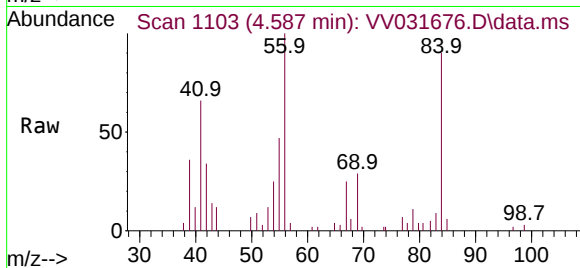
Tgt Ion: 56 Resp: 16469

Ion Ratio Lower Upper

56 100

69 30.0 24.1 36.1

84 86.9 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 4.848 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

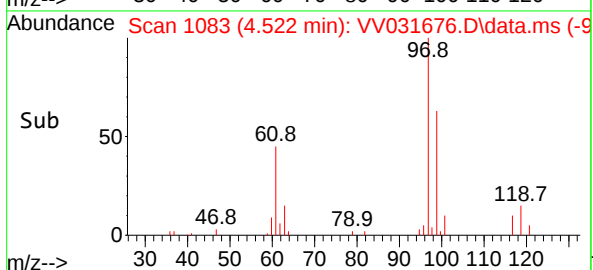
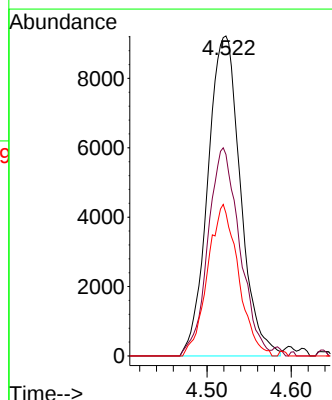
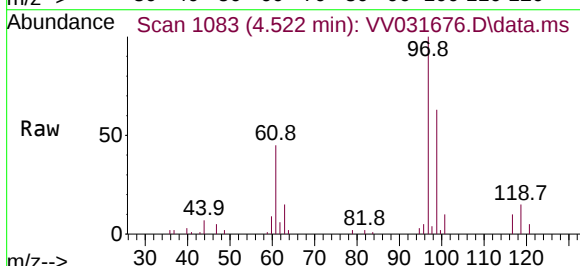
Tgt Ion: 97 Resp: 24774

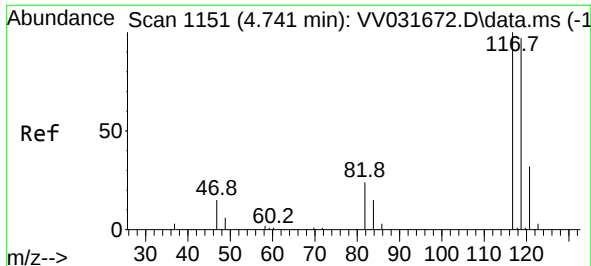
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 44.8 32.2 48.2

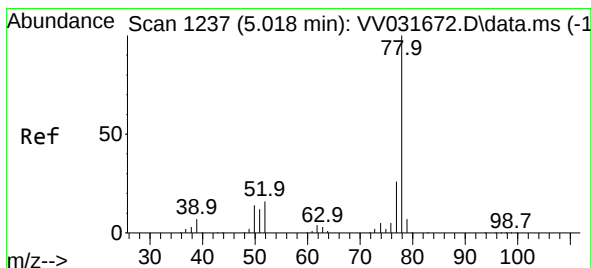
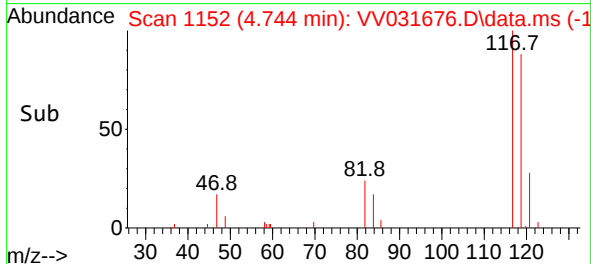
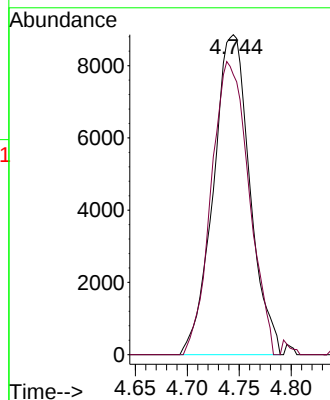
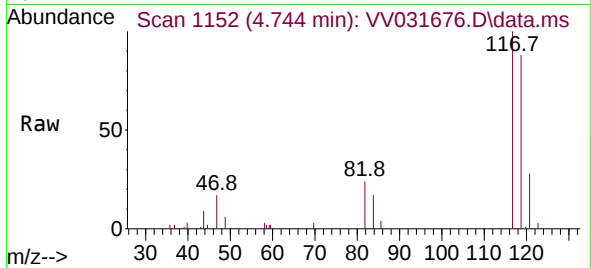




#31
Carbon tetrachloride
Concen: 4.791 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

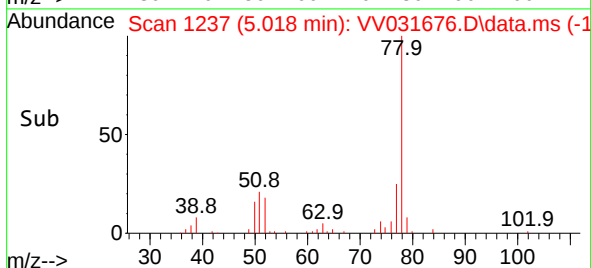
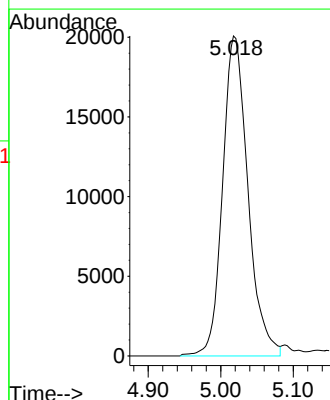
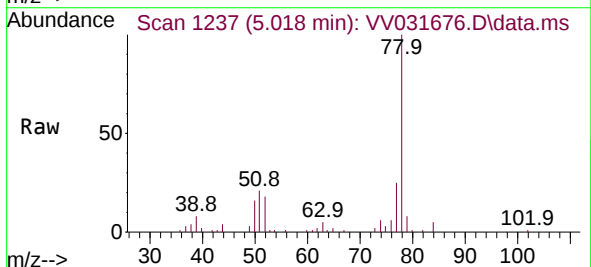
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

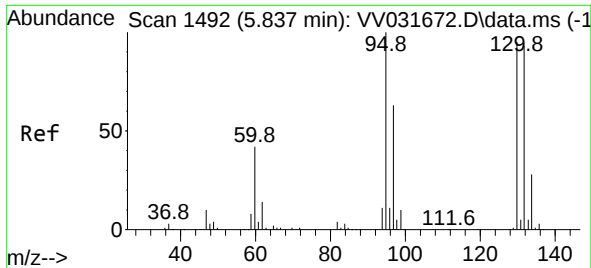
Tgt Ion:117 Resp: 21686
Ion Ratio Lower Upper
117 100
119 94.3 78.0 117.0



#33
Benzene
Concen: 4.574 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 78 Resp: 48757

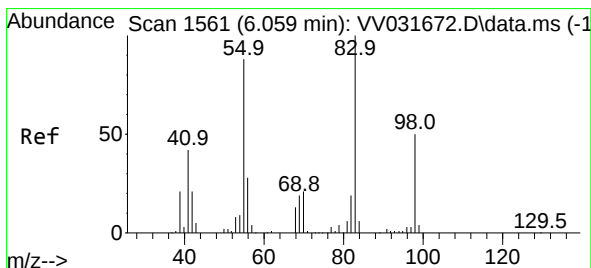
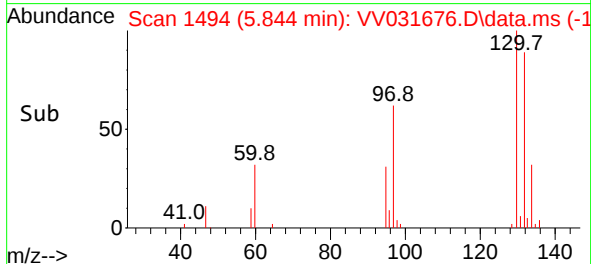
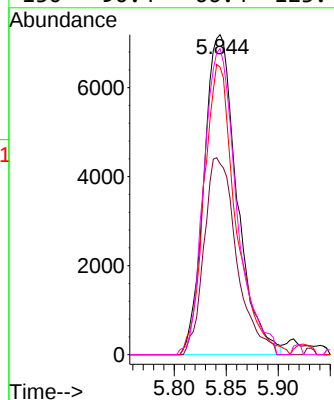
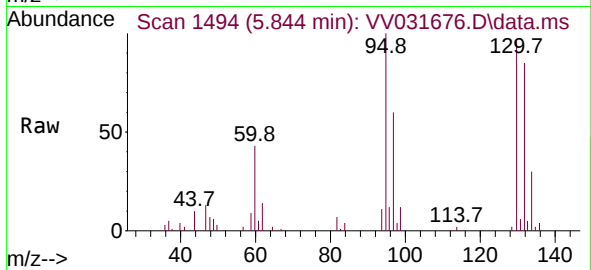




#34
 Trichloroethene
 Concen: 5.494 ug/L
 RT: 5.844 min Scan# 1494
 Delta R.T. 0.006 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

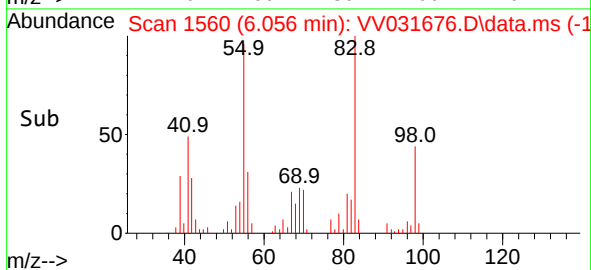
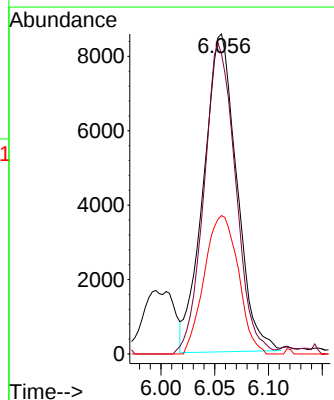
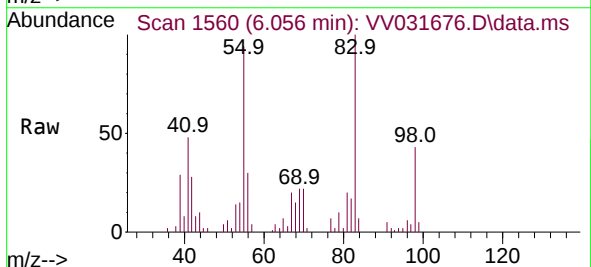
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005244

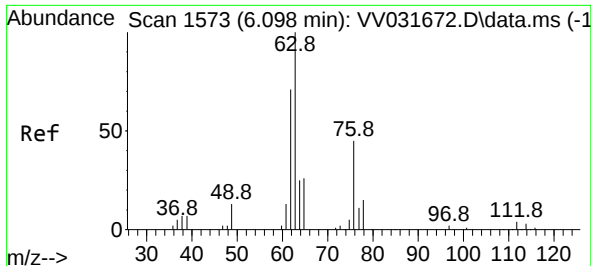
Tgt Ion: 95	Resp: 15846
Ion Ratio	Lower Upper
95 100	
97 53.2	47.0 87.2
132 80.1	64.8 120.4
130 90.4	66.4 123.4



#35
 Methylcyclohexane
 Concen: 4.397 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. -0.003 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

Tgt Ion: 83	Resp: 18342
Ion Ratio	Lower Upper
83 100	
55 93.1	69.4 104.2
98 44.4	38.2 57.2





#37

1,2-Dichloropropane

Concen: 4.811 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

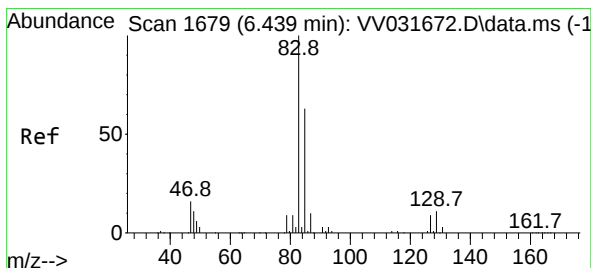
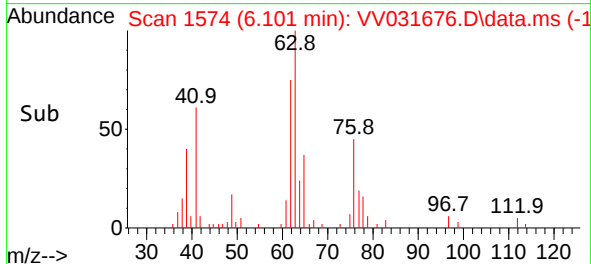
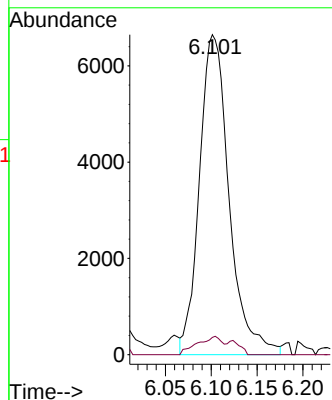
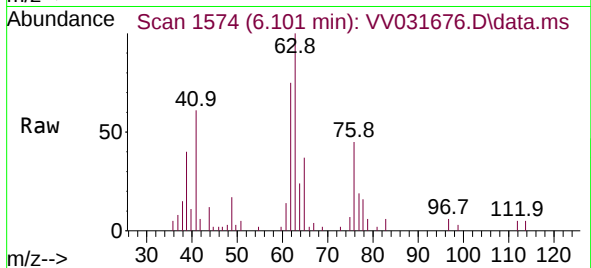
VSTD005244

Tgt Ion: 63 Resp: 14969

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 4.730 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

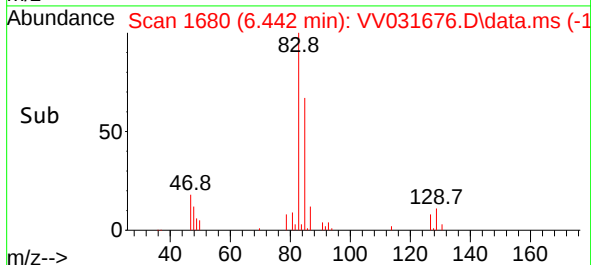
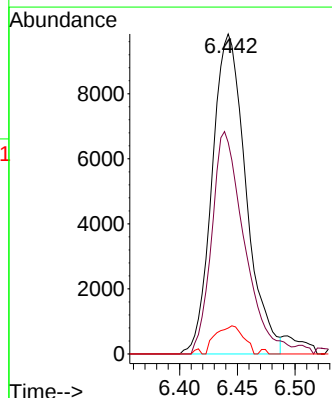
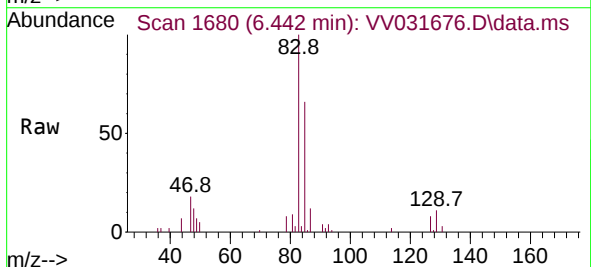
Tgt Ion: 83 Resp: 20021

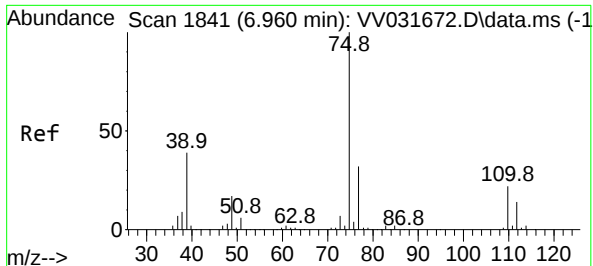
Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

127 9.1 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 3.868 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

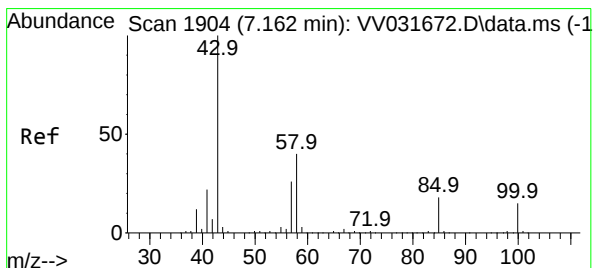
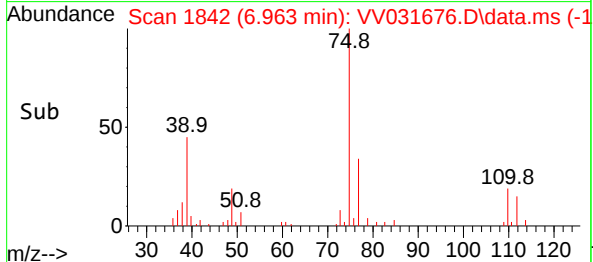
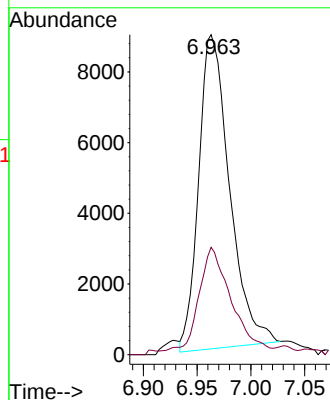
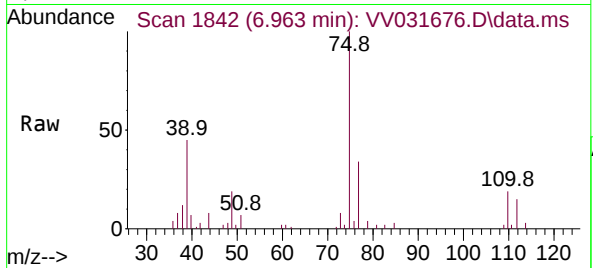
VSTD005244

Tgt Ion: 75 Resp: 17783

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 8.273 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

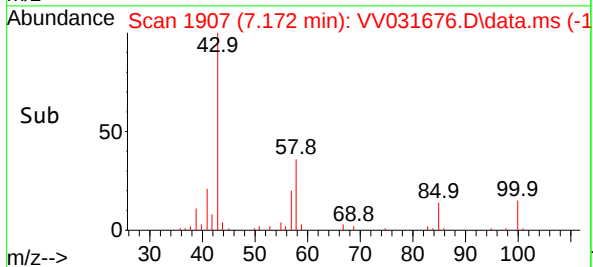
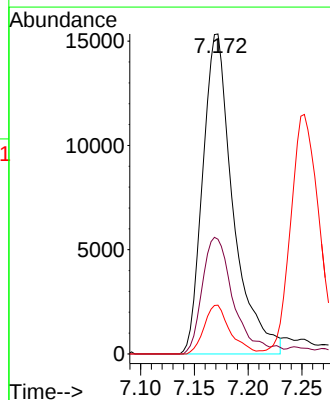
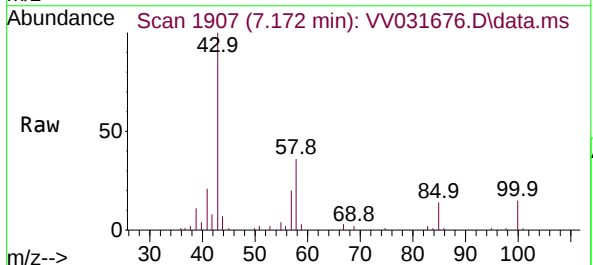
Tgt Ion: 43 Resp: 30186

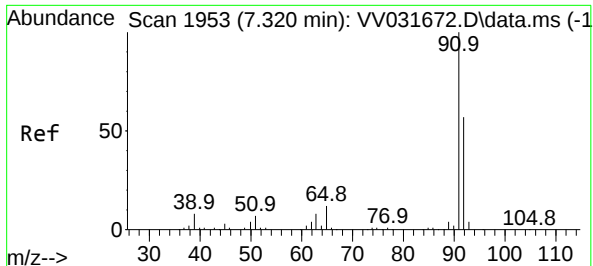
Ion Ratio Lower Upper

43 100

58 35.7 32.1 48.1

100 13.1 12.1 18.1





#42

Toluene

Concen: 4.250 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

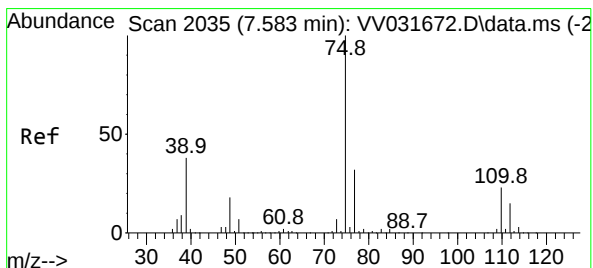
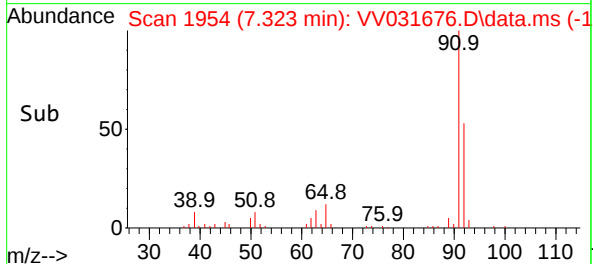
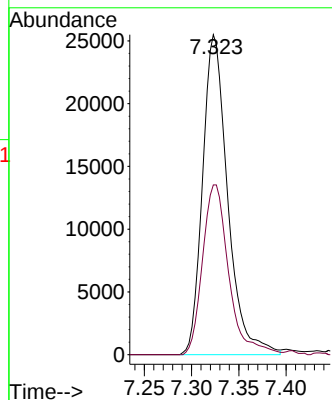
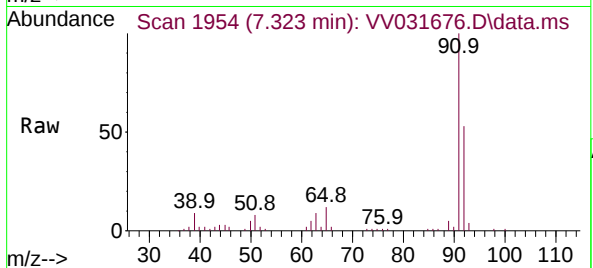
VSTD005244

Tgt Ion: 91 Resp: 47105

Ion Ratio Lower Upper

91 100

92 53.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.097 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.010 min

Lab File: VV031676.D

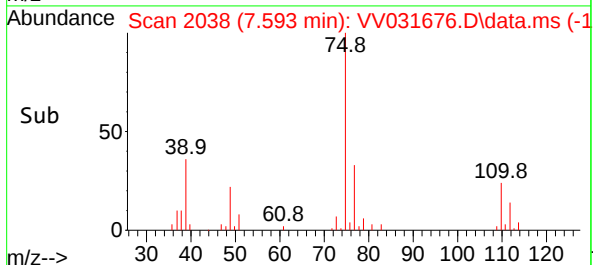
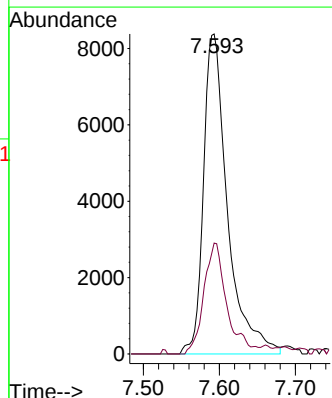
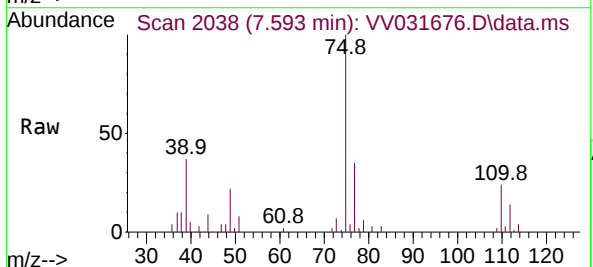
Acq: 11 Jul 2023 13:04

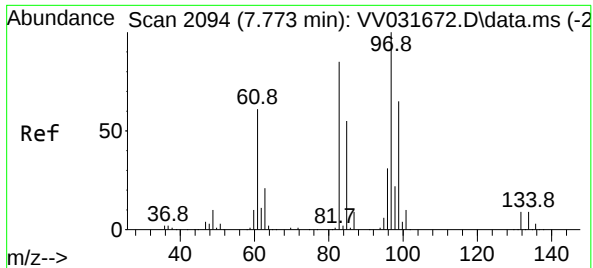
Tgt Ion: 75 Resp: 18396

Ion Ratio Lower Upper

75 100

77 34.6 22.3 41.3

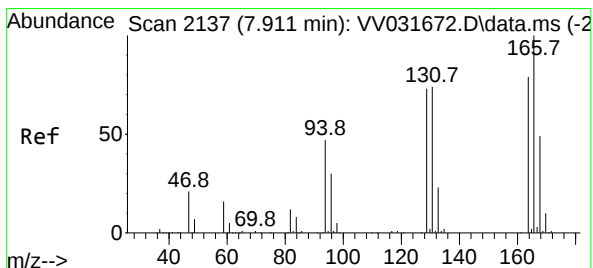
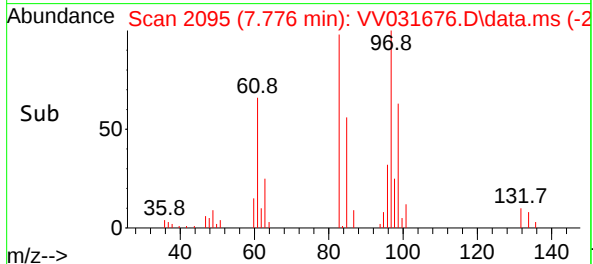
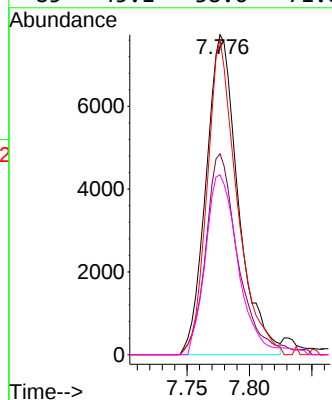
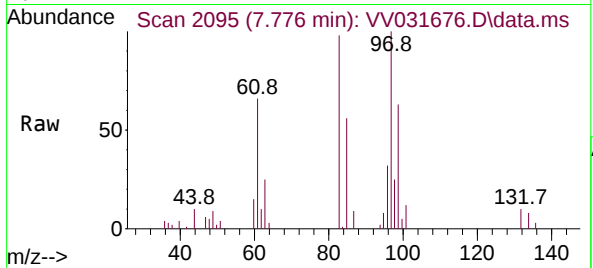




#45
1,1,2-Trichloroethane
Concen: 4.677 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

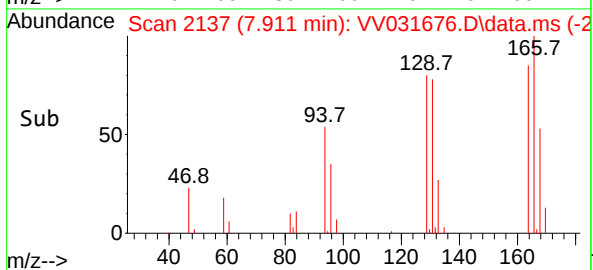
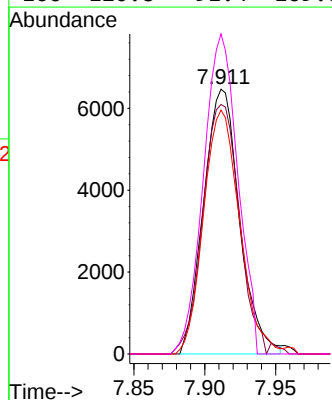
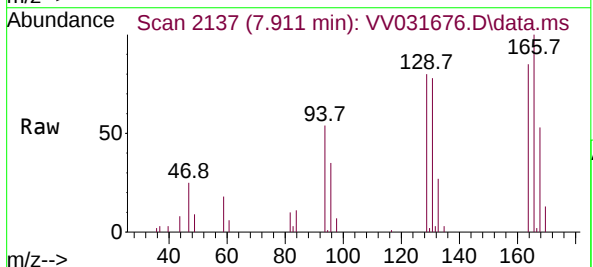
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

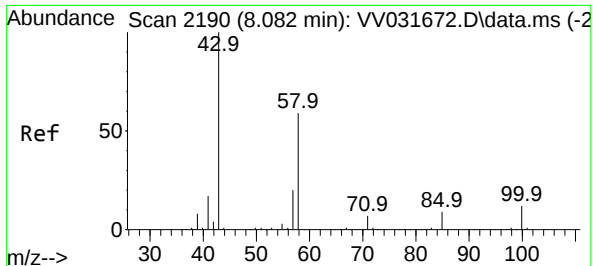
Tgt Ion:	97	Resp:	13872
Ion	Ratio	Lower	Upper
97	100		
99	54.3	45.2	84.0
83	80.0	59.5	110.5
85	45.1	38.6	71.8



#46
Tetrachloroethene
Concen: 5.060 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:	164	Resp:	11389
Ion	Ratio	Lower	Upper
164	100		
129	96.4	65.2	121.0
131	95.9	67.1	124.7
166	120.8	91.4	169.8

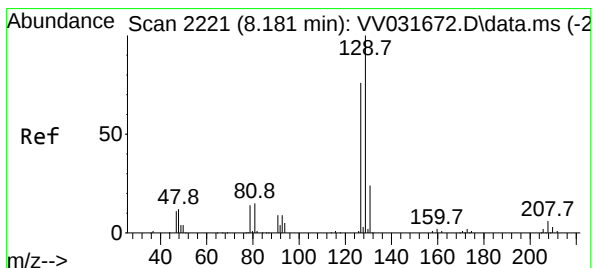
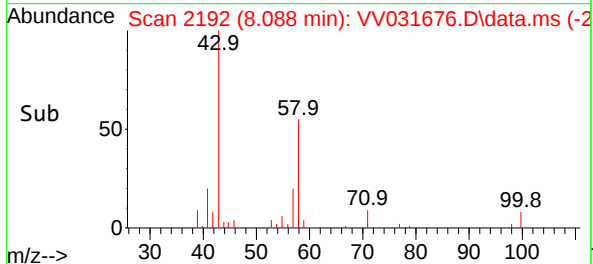
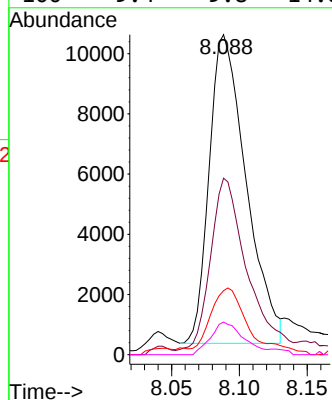
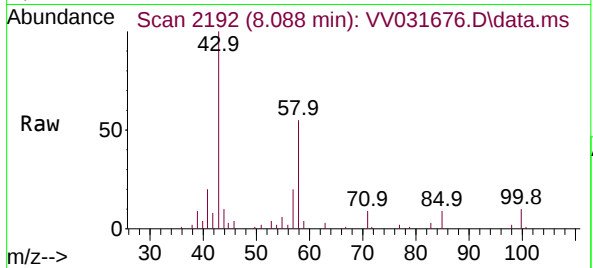




#48
2-Hexanone
Concen: 6.564 ug/L
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

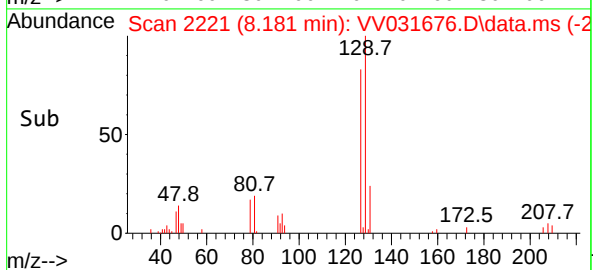
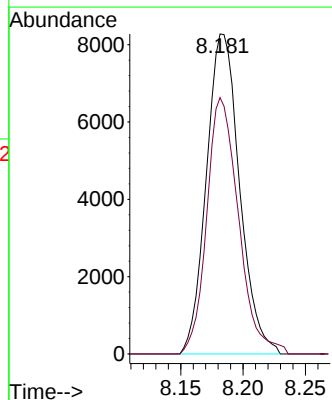
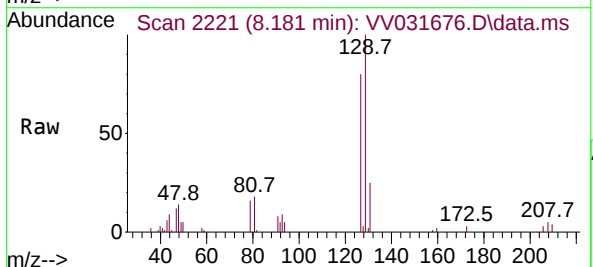
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

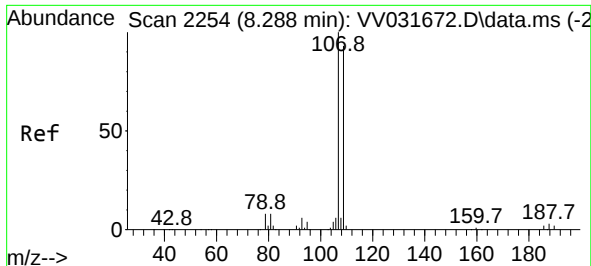
Tgt Ion: 43	Resp:	19412
Ion Ratio	Lower	Upper
43	100	
58	55.4	46.3 69.5
57	20.4	16.8 25.2
100	9.4	9.8 14.8



#49
Dibromochloromethane
Concen: 4.649 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 129	Resp:	15365
Ion Ratio	Lower	Upper
129	100	
127	83.0	55.2 102.6





#50

1,2-Dibromoethane

Concen: 4.789 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

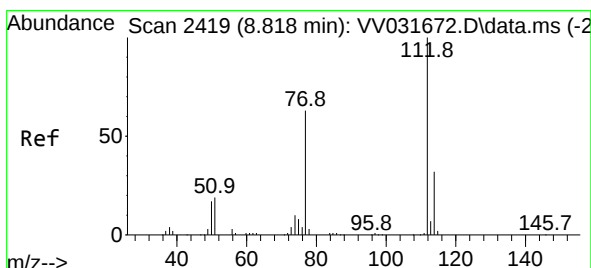
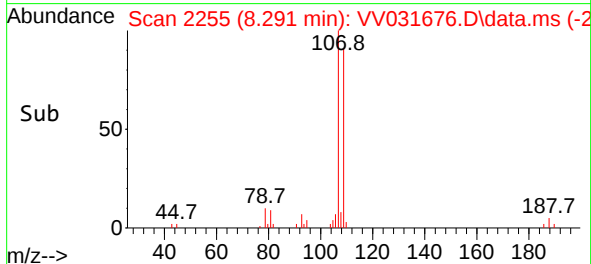
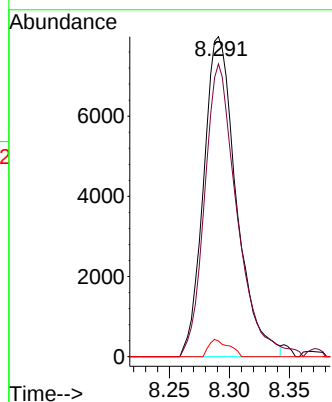
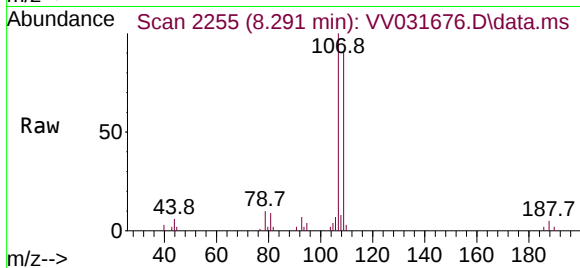
Tgt Ion:107 Resp: 15175

Ion Ratio Lower Upper

107 100

109 91.5 65.4 121.4

188 4.9 2.8 4.2#



#51

Chlorobenzene

Concen: 4.860 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

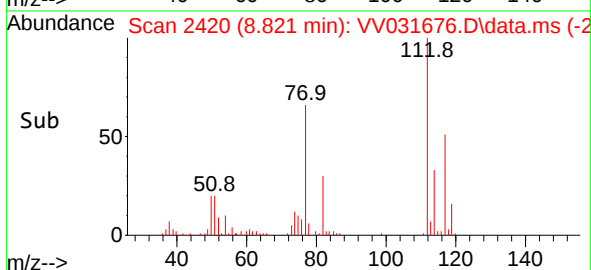
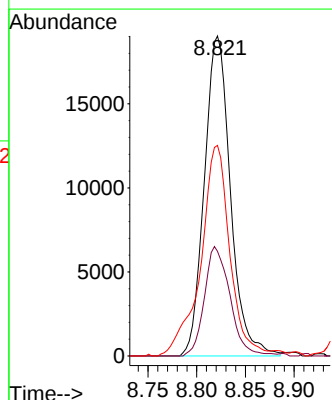
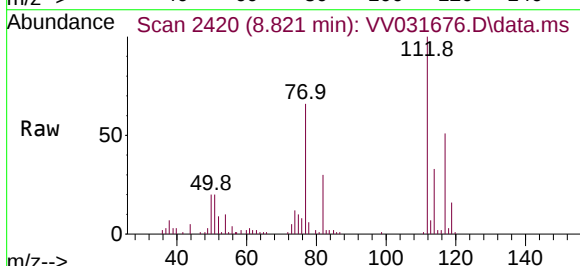
Tgt Ion:112 Resp: 35597

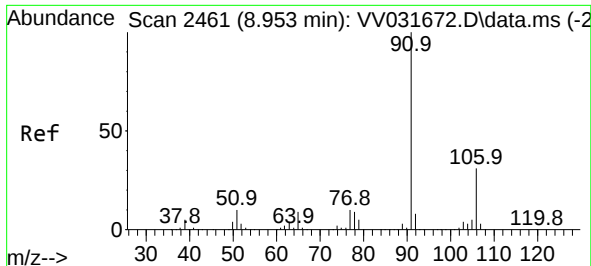
Ion Ratio Lower Upper

112 100

114 32.7 22.2 41.2

77 65.8 50.6 76.0

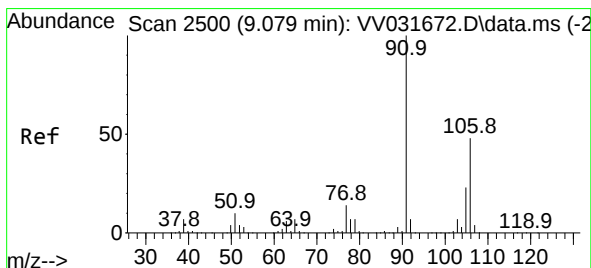
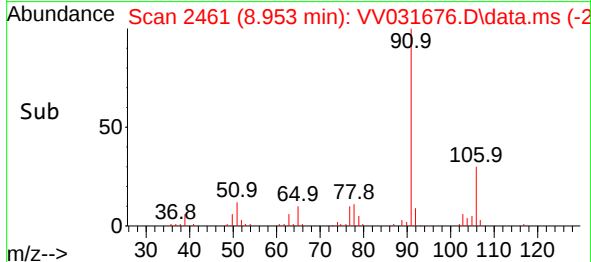
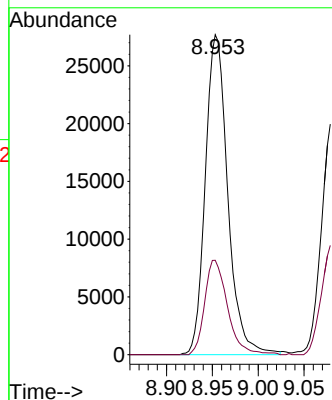
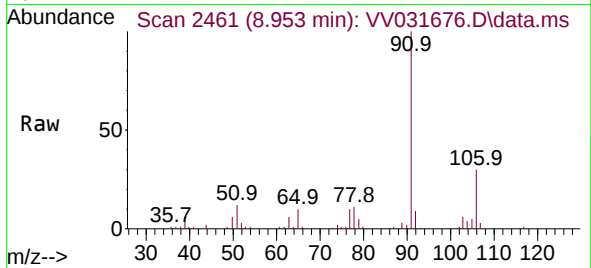




#52
Ethylbenzene
Concen: 3.848 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

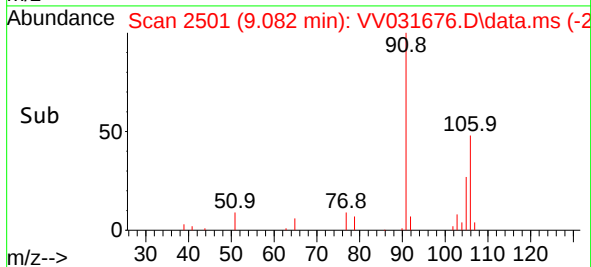
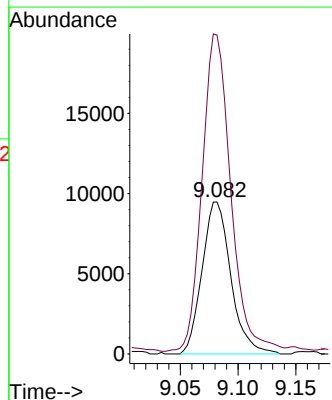
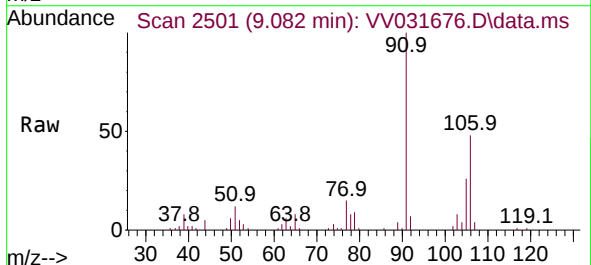
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

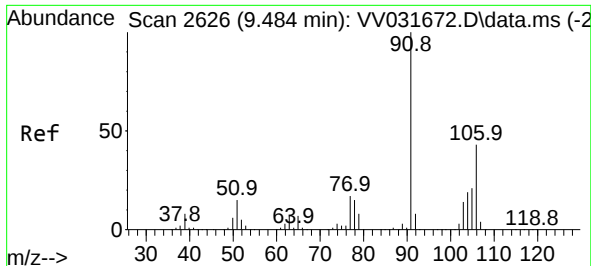
Tgt Ion: 91 Resp: 47149
Ion Ratio Lower Upper
91 100
106 29.5 21.5 39.9



#53
m,p-Xylene
Concen: 3.628 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:106 Resp: 16422
Ion Ratio Lower Upper
106 100
91 209.8 145.6 270.4

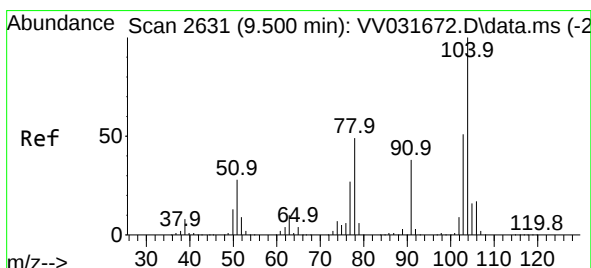
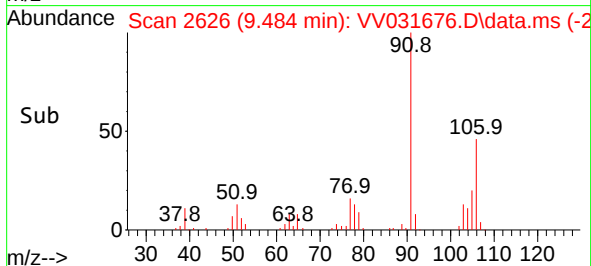
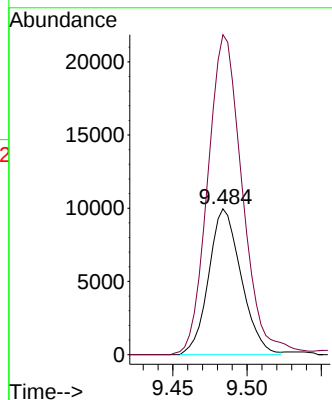
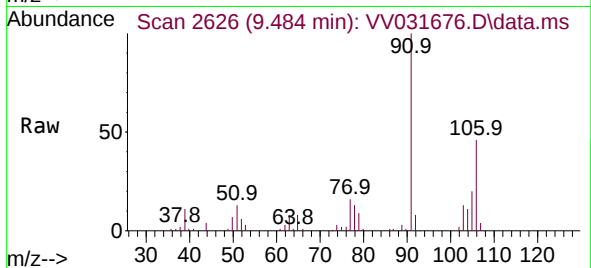




#54
o-Xylene
Concen: 3.563 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

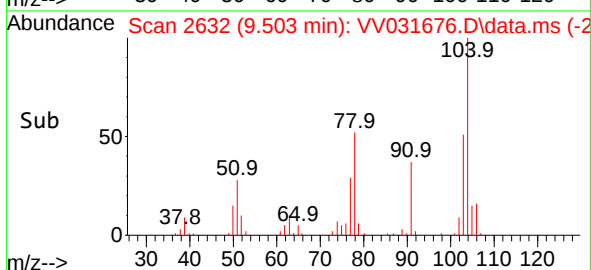
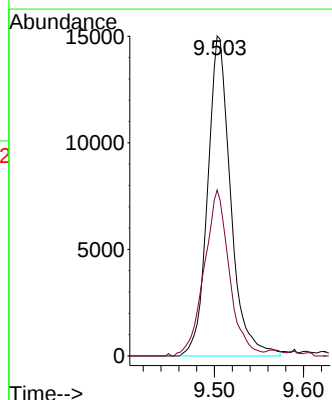
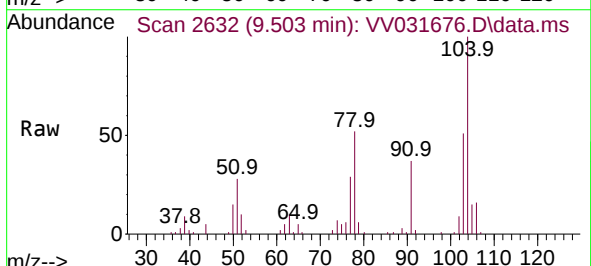
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

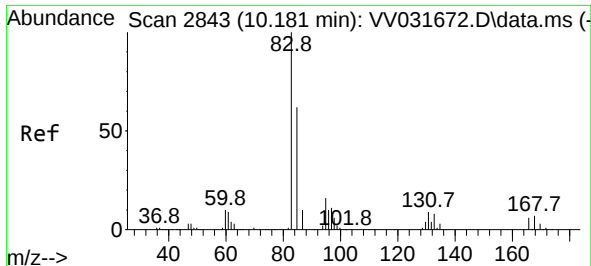
Tgt Ion:106 Resp: 15172
Ion Ratio Lower Upper
106 100
91 219.3 163.0 302.6



#55
Styrene
Concen: 3.496 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:104 Resp: 26930
Ion Ratio Lower Upper
104 100
78 51.8 34.4 64.0

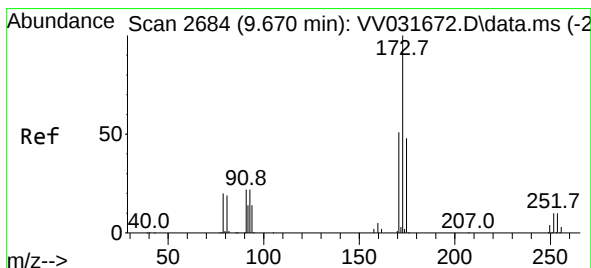
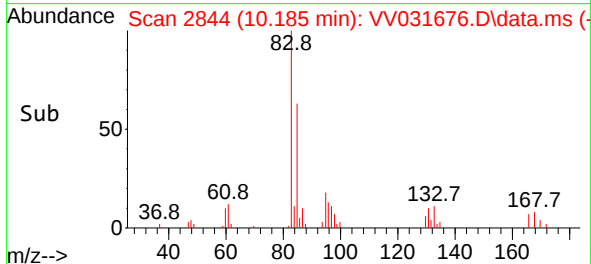
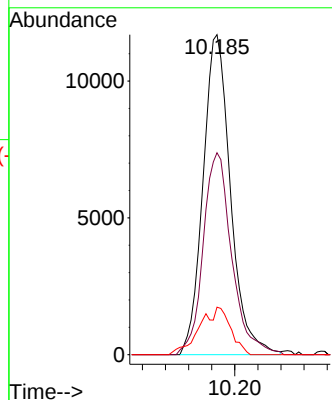
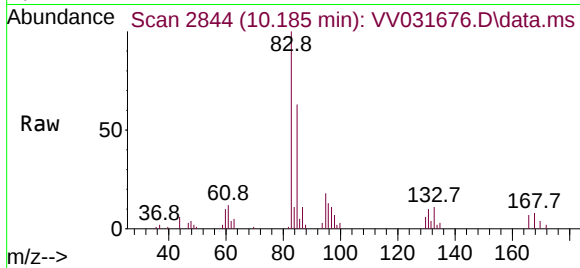




#57
1,1,2,2-Tetrachloroethane
Concen: 4.044 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

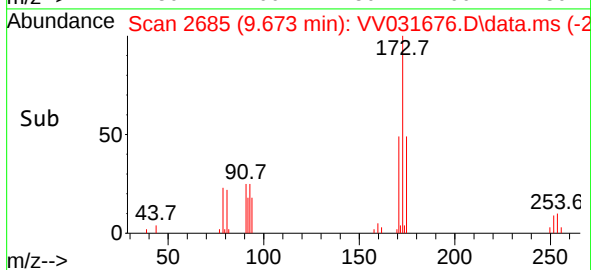
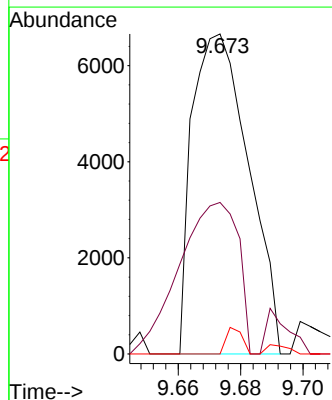
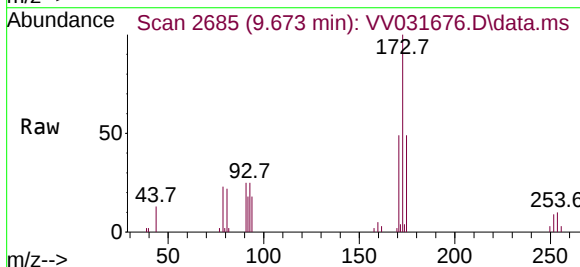
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

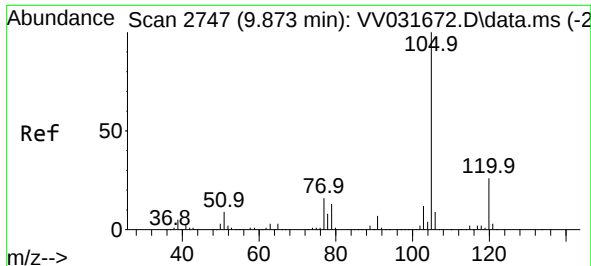
Tgt Ion: 83 Resp: 19323
Ion Ratio Lower Upper
83 100
85 67.9 43.4 80.6
131 14.8 10.9 16.3



#59
Bromoform
Concen: 3.854 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 173 Resp: 8363
Ion Ratio Lower Upper
173 100
175 49.6 38.6 58.0
254 2.3 6.9 10.3

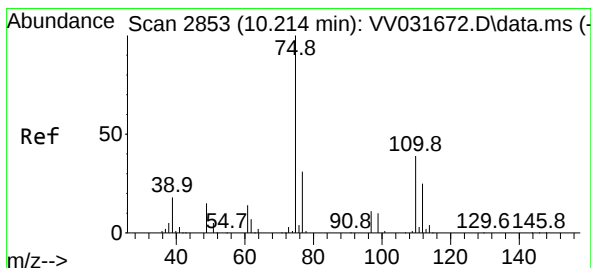
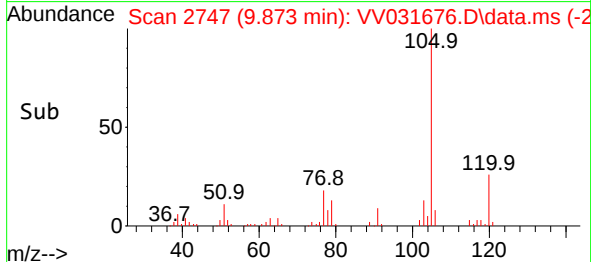
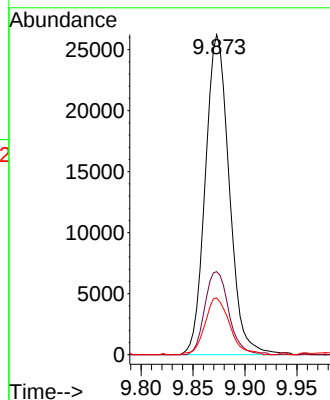
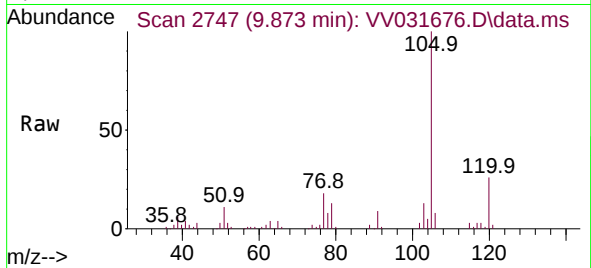




#60
Isopropylbenzene
Concen: 3.841 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

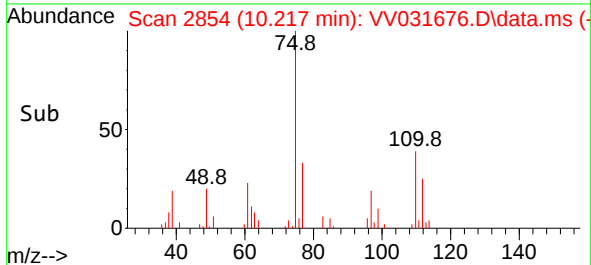
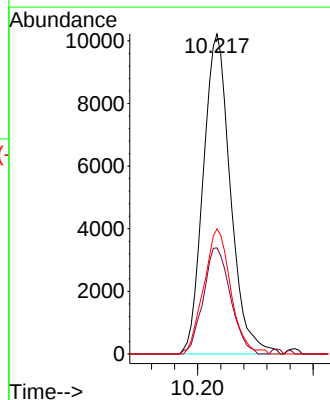
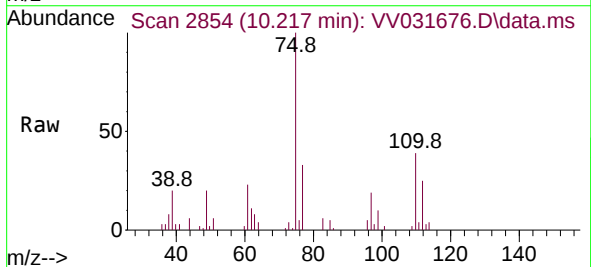
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

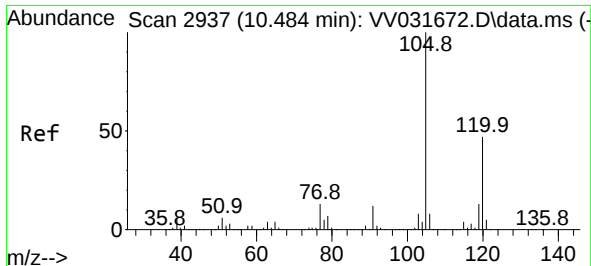
Tgt Ion:105 Resp: 41972
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8
77 18.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.850 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion: 75 Resp: 16693
Ion Ratio Lower Upper
75 100
77 33.2 25.1 37.7
110 38.4 31.4 47.0

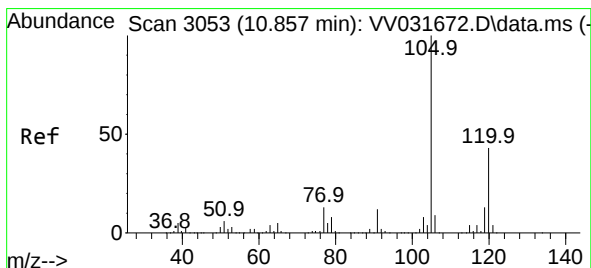
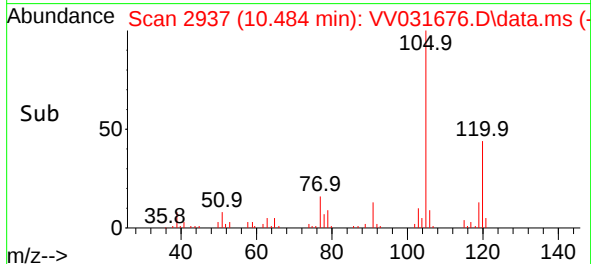
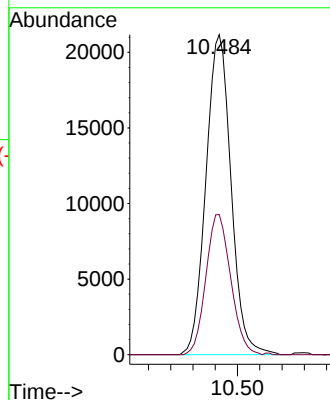
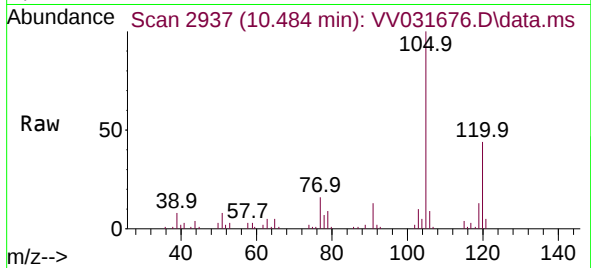




#62
 1,3,5-Trimethylbenzene
 Concen: 3.691 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

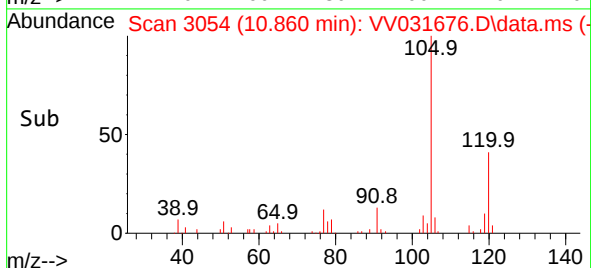
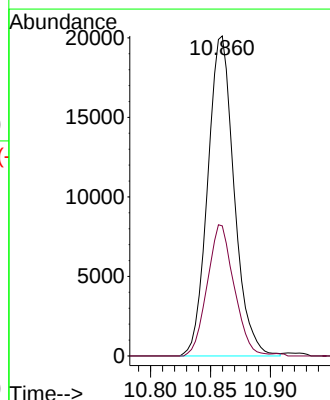
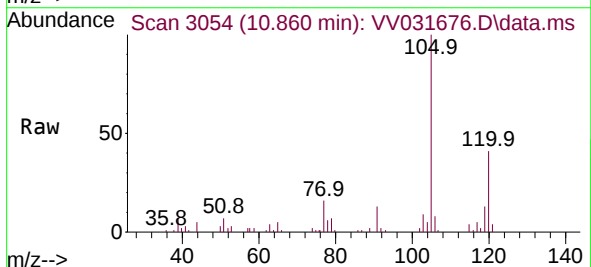
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005244

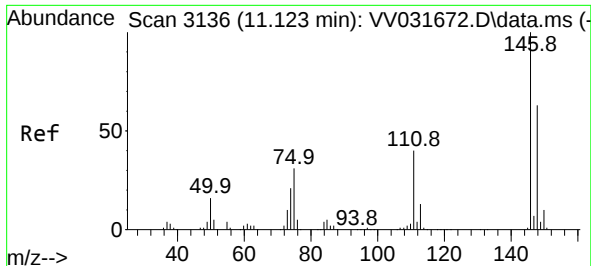
Tgt Ion:105 Resp: 33187
 Ion Ratio Lower Upper
 105 100
 120 43.1 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 3.620 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031676.D
 Acq: 11 Jul 2023 13:04

Tgt Ion:105 Resp: 30857
 Ion Ratio Lower Upper
 105 100
 120 41.5 34.7 52.1

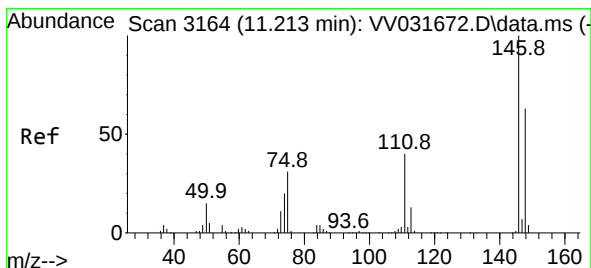
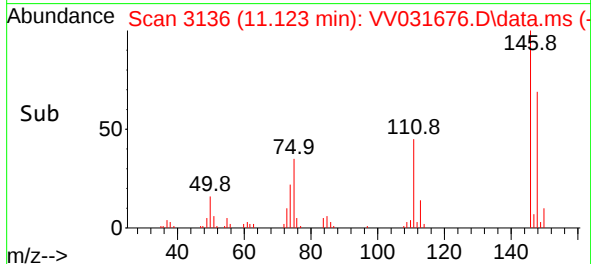
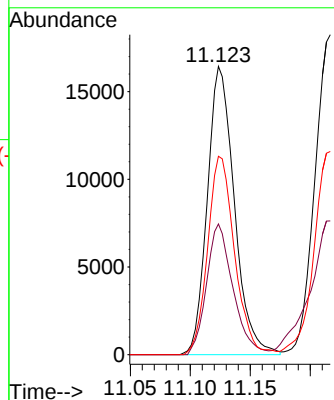
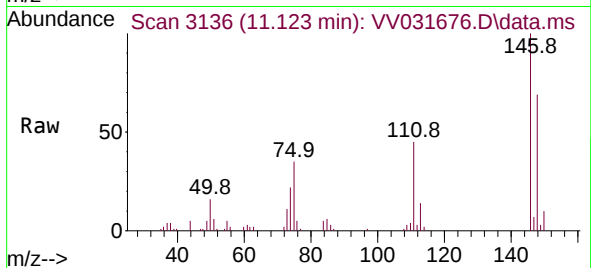




#64
1,3-Dichlorobenzene
Concen: 4.645 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

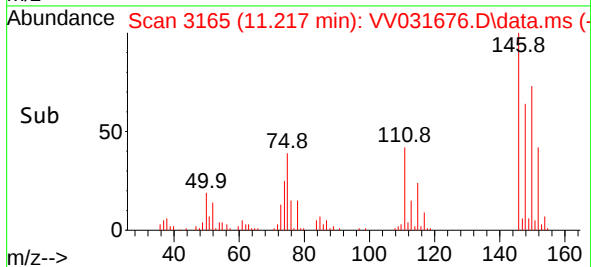
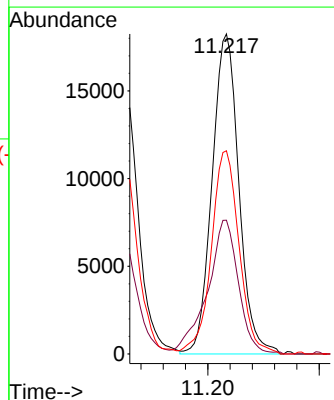
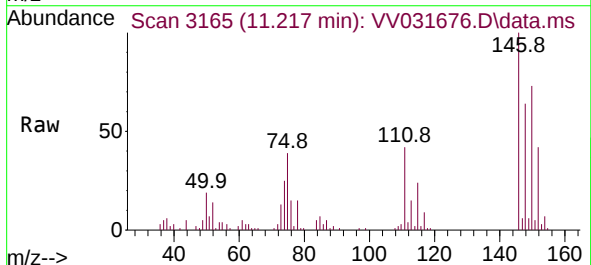
Instrument :
MSVOA_V
ClientSampleId :
VSTD005244

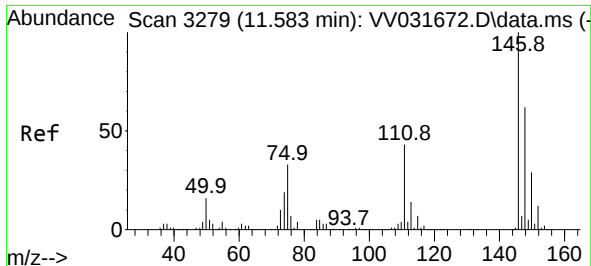
Tgt Ion:146 Resp: 25752
Ion Ratio Lower Upper
146 100
111 45.4 28.3 52.5
148 68.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.142 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031676.D
Acq: 11 Jul 2023 13:04

Tgt Ion:146 Resp: 30455
Ion Ratio Lower Upper
146 100
111 41.8 28.3 52.7
148 63.5 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.852 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

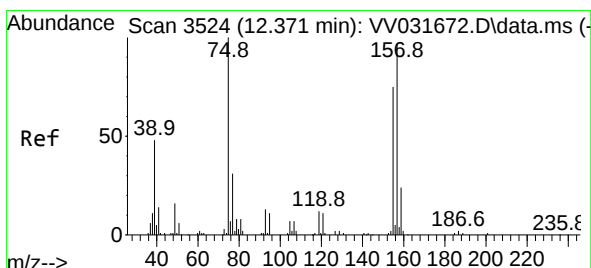
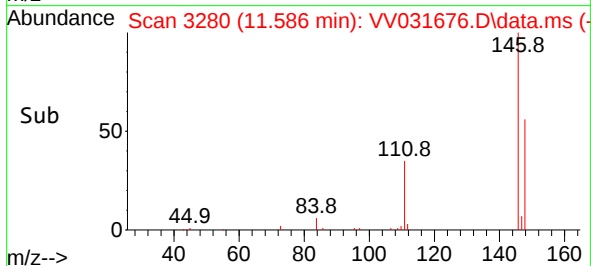
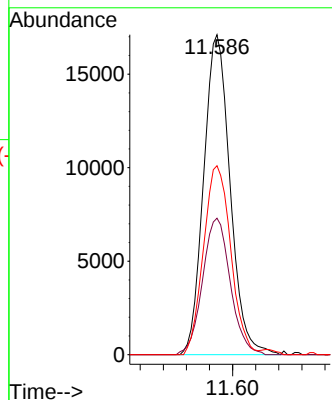
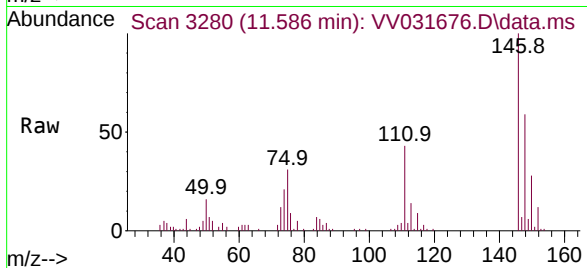
Tgt Ion:146 Resp: 27224

Ion Ratio Lower Upper

146 100

111 42.7 34.8 52.2

148 59.1 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.139 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

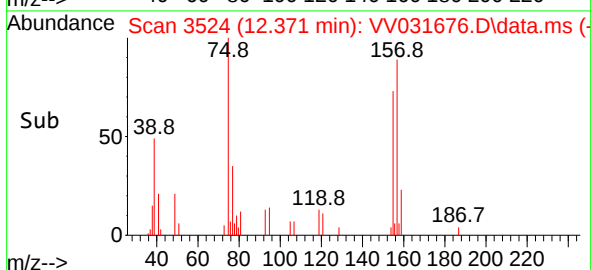
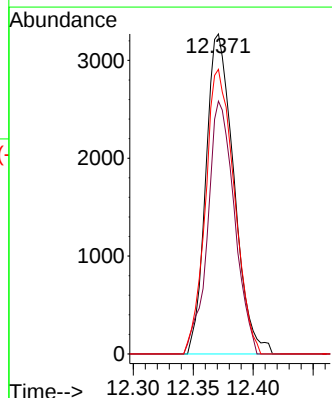
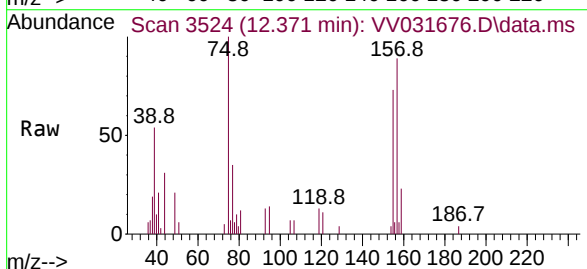
Tgt Ion: 75 Resp: 5303

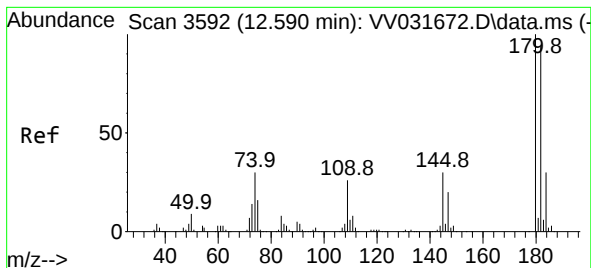
Ion Ratio Lower Upper

75 100

155 79.0 59.9 89.9

157 95.0 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 4.601 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

Tgt Ion:180 Resp: 19429

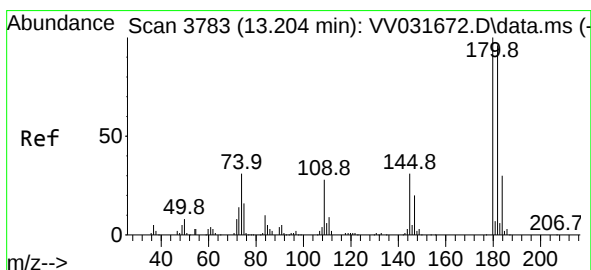
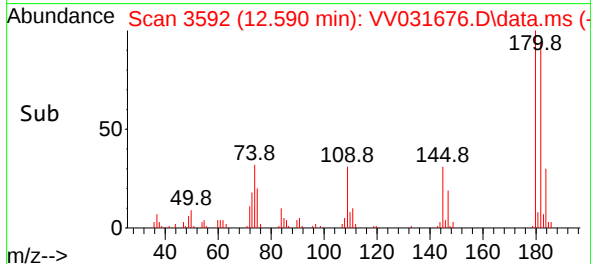
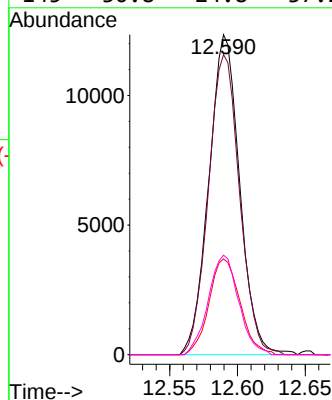
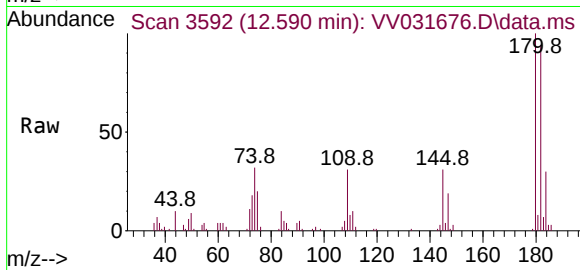
Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

184 30.2 23.7 35.5

145 30.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 4.604 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

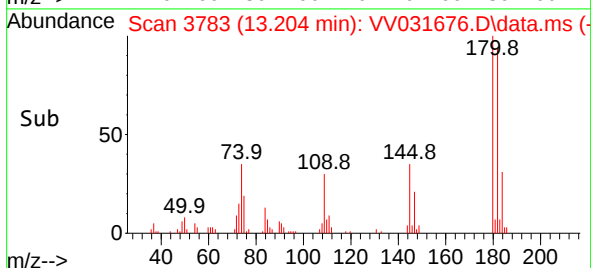
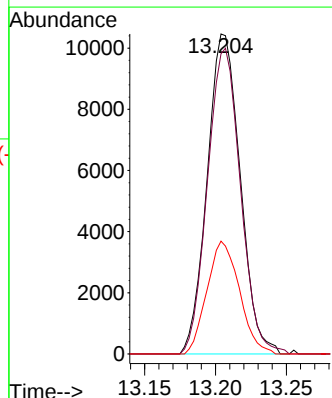
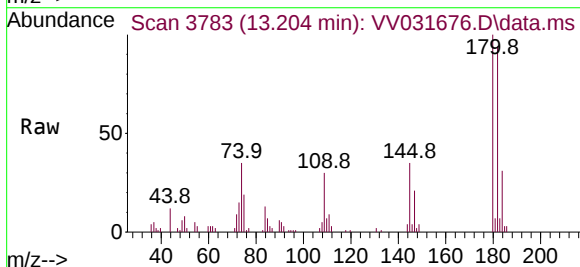
Tgt Ion:180 Resp: 16970

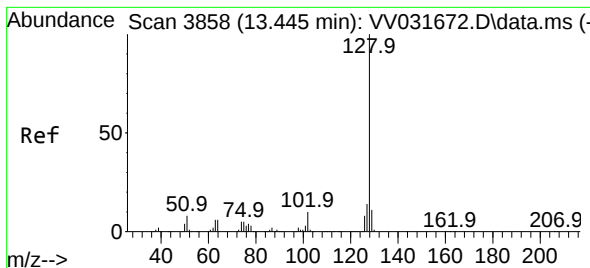
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 34.7 25.4 38.2





#71

Naphthalene

Concen: 4.899 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005244

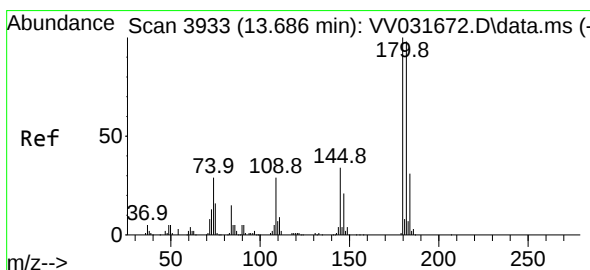
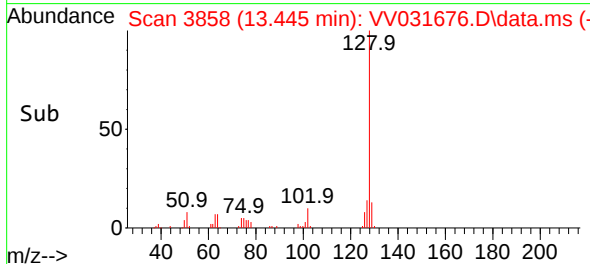
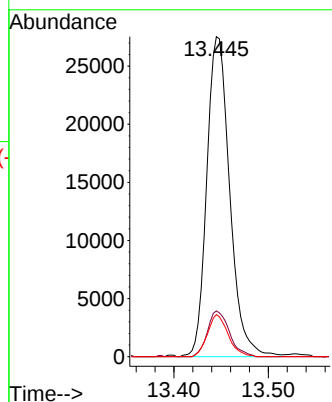
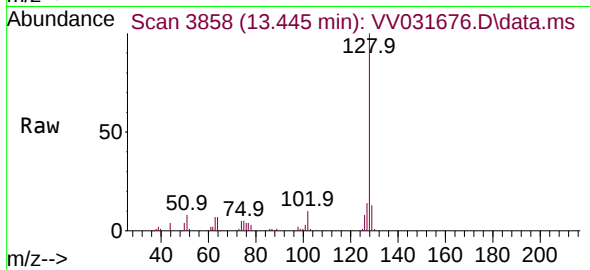
Tgt Ion:128 Resp: 46432

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 11.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.918 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031676.D

Acq: 11 Jul 2023 13:04

Tgt Ion:180 Resp: 18826

Ion Ratio Lower Upper

180 100

182 91.5 76.7 115.1

145 34.9 27.7 41.5

