

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031670.D
 Acq On : 11 Jul 2023 10:25
 Operator : SY/MD
 Sample : VSTD00539
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005239

Quant Time: Jul 12 07:25:04 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	212503	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	219361	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	127069	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	10944	7.313	ug/L	0.00
7) Chloroethane-d5	1.536	69	8071	6.261	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	4190	5.525	ug/L	0.00
21) 2-Butanone-d5	3.828	46	6200	5.393	ug/L	0.03
24) Chloroform-d	4.259	84	17163	4.748	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	9874	4.426	ug/L	0.00
32) Benzene-d6	4.973	84	26451	4.248	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	10062	4.597	ug/L	0.00
41) Toluene-d8	7.252	98	20966	3.654	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3861	3.654	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	3995	4.742	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	13586	4.135	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	9362	3.898	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	15794	6.777	ug/L	100
3) Chloromethane	1.217	50	15855	7.186	ug/L	99
5) Vinyl chloride	1.285	62	14530	6.671	ug/L	98
6) Bromomethane	1.490	94	8239	5.893	ug/L	90
8) Chloroethane	1.552	64	7102	5.085	ug/L	99
9) Trichlorofluoromethane	1.716	101	17352	4.858	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	10929	5.629	ug/L	98
12) 1,1-Dichloroethene	2.072	96	9626	5.920	ug/L	98
13) Acetone	2.121	43	14992	13.201	ug/L	99
14) Carbon disulfide	2.246	76	24990	5.036	ug/L	99
15) Methyl Acetate	2.381	43	8427	4.364	ug/L #	90
16) Methylene chloride	2.452	84	10391	5.167	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	6701	4.010	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	19339	3.539	ug/L	97
19) 1,1-Dichloroethane	3.117	63	15670	4.380	ug/L	95
20) cis-1,2-Dichloroethene	3.825	96	7640	4.273	ug/L	90
22) 2-Butanone	3.902	43	5381	3.743	ug/L	87
23) Bromochloromethane	4.159	128	4337	4.420	ug/L	86
25) Chloroform	4.288	83	17545	4.714	ug/L	90
27) 1,2-Dichloroethane	5.050	62	11766	4.124	ug/L #	94
29) Cyclohexane	4.584	56	9197	3.235	ug/L #	85
30) 1,1,1-Trichloroethane	4.516	97	15742	4.495	ug/L	99
31) Carbon tetrachloride	4.741	117	15385	4.960	ug/L	94
33) Benzene	5.018	78	28357	3.882	ug/L	100
34) Trichloroethene	5.841	95	8882	4.494	ug/L	81
35) Methylcyclohexane	6.056	83	10232	3.580	ug/L	95
37) 1,2-Dichloropropane	6.104	63	9096	4.266	ug/L #	97
38) Bromodichloromethane	6.439	83	12726	4.387	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	10507	3.335	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	14404	5.761	ug/L #	93
42) Toluene	7.323	91	25981	3.421	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	9832	3.196	ug/L	92

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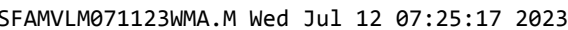
Quant Time: Jul 12 07:25:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
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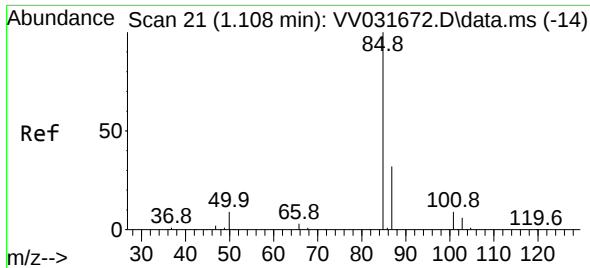
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	9251	4.551	ug/L #	79
46) Tetrachloroethene	7.911	164	6369	4.130	ug/L	95
49) Dibromochloromethane	8.185	129	10108	4.463	ug/L	93
50) 1,2-Dibromoethane	8.294	107	8724	4.018	ug/L #	88
51) Chlorobenzene	8.821	112	21978	4.378	ug/L	95
52) Ethylbenzene	8.953	91	27228	3.243	ug/L	97
53) m,p-Xylene	9.079	106	8988	2.897	ug/L	89
54) o-Xylene	9.484	106	8790	3.012	ug/L	91
55) Styrene	9.503	104	13689	2.593	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.185	83	13444	4.106	ug/L	85
59) Bromoform	9.670	173	6823	4.295	ug/L #	51
60) Isopropylbenzene	9.876	105	23312	2.914	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	10091	4.004	ug/L	95
62) 1,3,5-Trimethylbenzene	10.480	105	19978	3.034	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	18507	2.965	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	16623	4.095	ug/L	92
65) 1,4-Dichlorobenzene	11.217	146	18439	4.252	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	15734	3.830	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	3260	4.315	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	11929	3.858	ug/L	94
70) 1,2,4-trichlorobenzene	13.204	180	9863	3.655	ug/L	95
71) Naphthalene	13.445	128	23573	3.397	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	10129	3.614	ug/L	98

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

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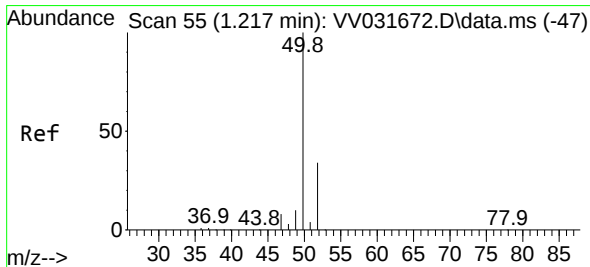
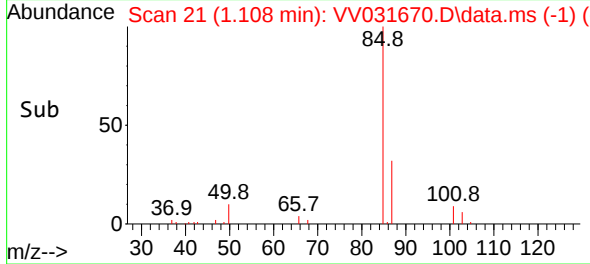
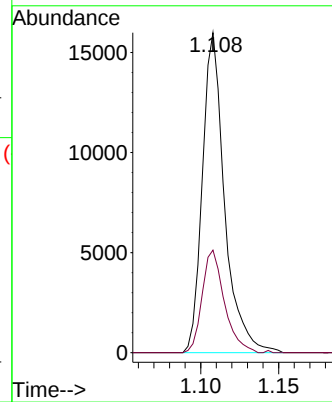
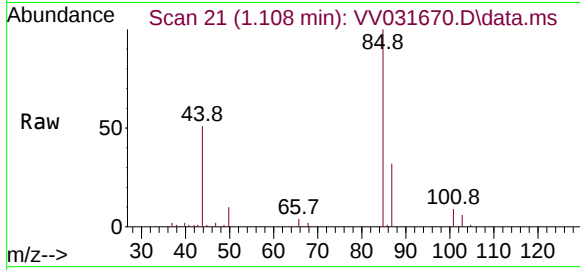




#2
 Dichlorodifluoromethane
 Concen: 6.777 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

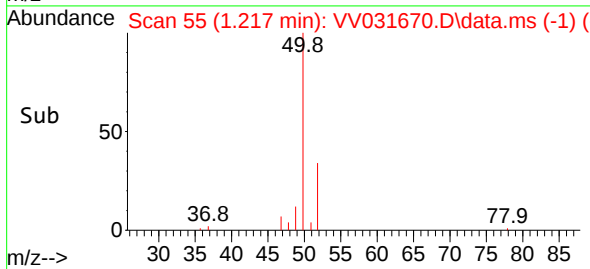
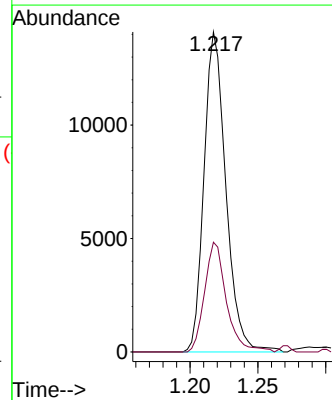
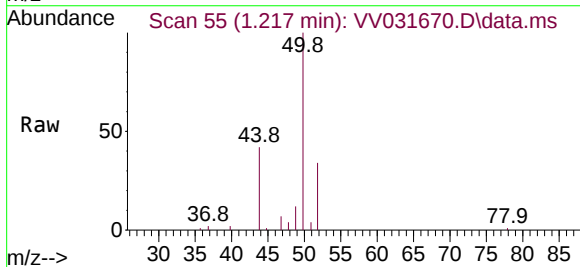
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005239

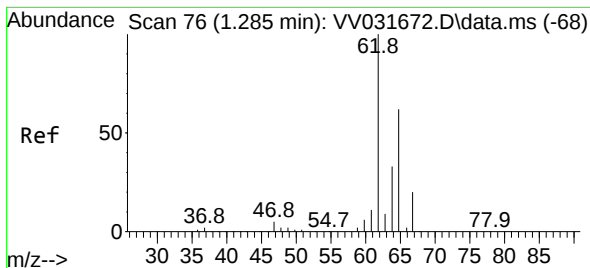
Tgt Ion: 85 Resp: 15794
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 7.186 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

Tgt Ion: 50 Resp: 15855
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.7 44.1





#5

Vinyl chloride

Concen: 6.671 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

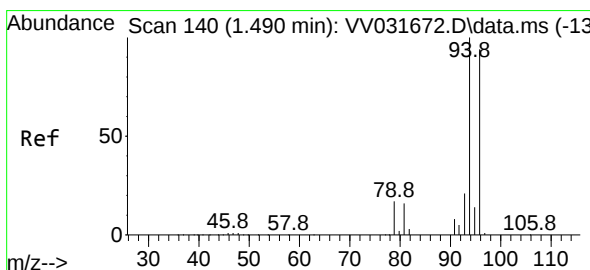
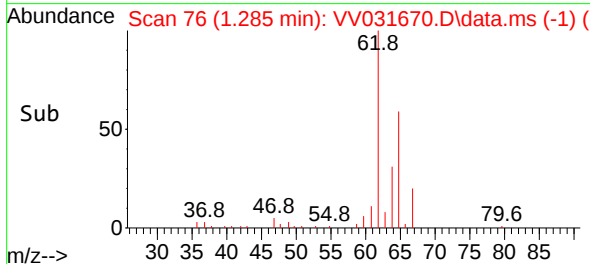
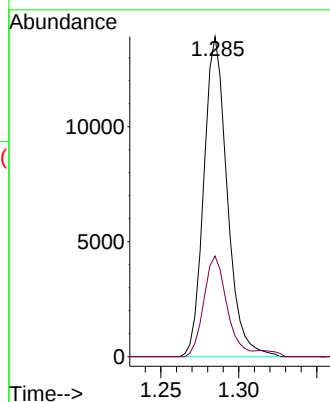
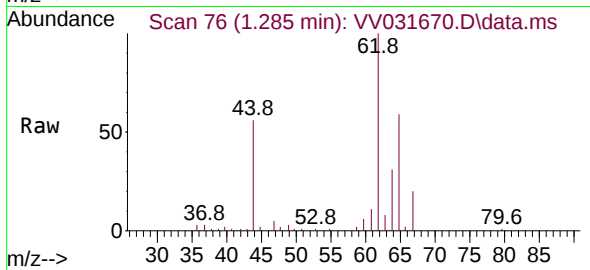
VSTD005239

Tgt Ion: 62 Resp: 14530

Ion Ratio Lower Upper

62 100

64 31.5 22.9 42.5



#6

Bromomethane

Concen: 5.893 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031670.D

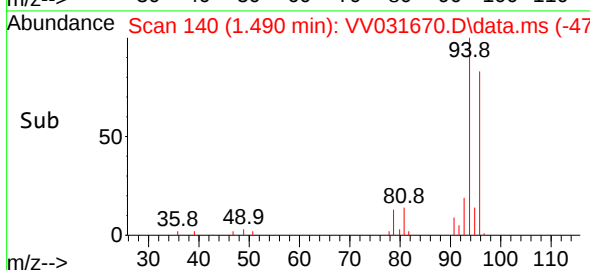
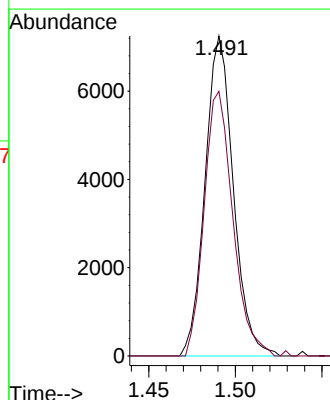
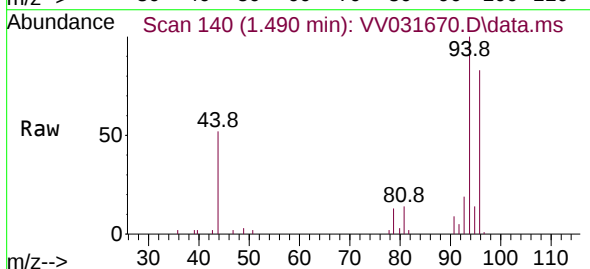
Acq: 11 Jul 2023 10:25

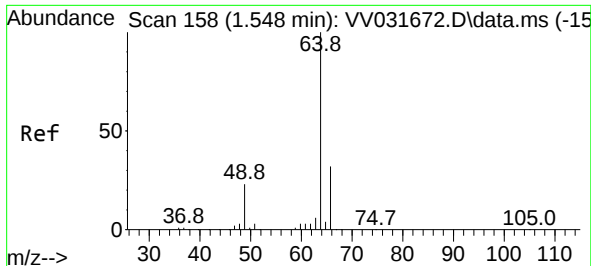
Tgt Ion: 94 Resp: 8239

Ion Ratio Lower Upper

94 100

96 84.2 65.7 121.9





#8

Chloroethane

Concen: 5.085 ug/L

RT: 1.552 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

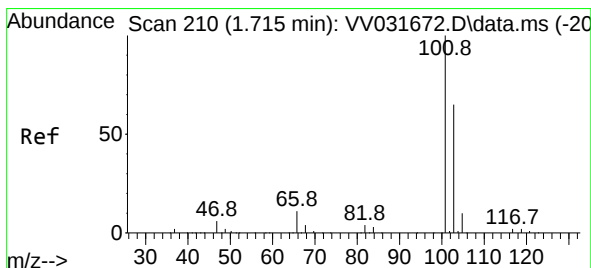
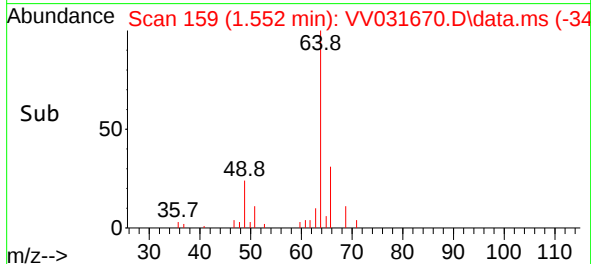
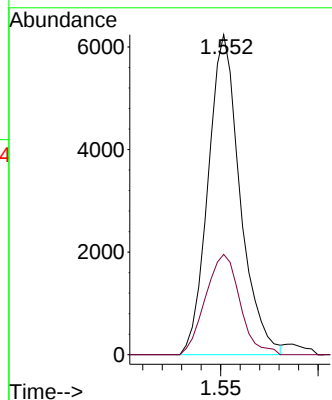
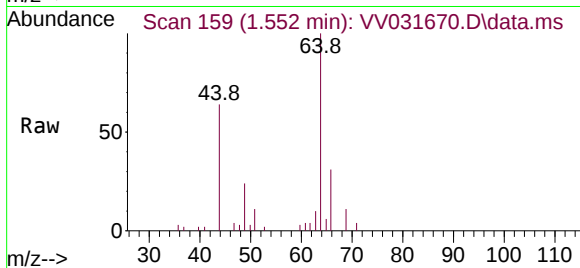
VSTD005239

Tgt Ion: 64 Resp: 7102

Ion Ratio Lower Upper

64 100

66 31.4 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.858 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.000 min

Lab File: VV031670.D

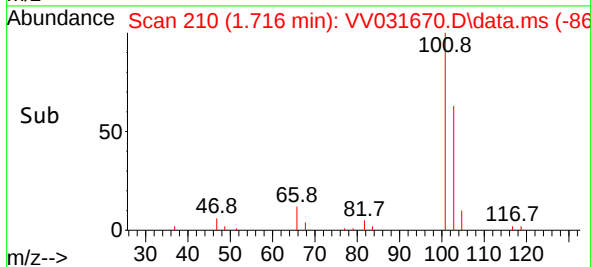
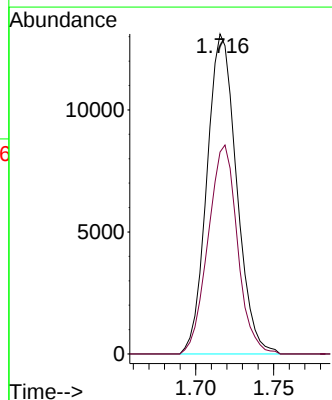
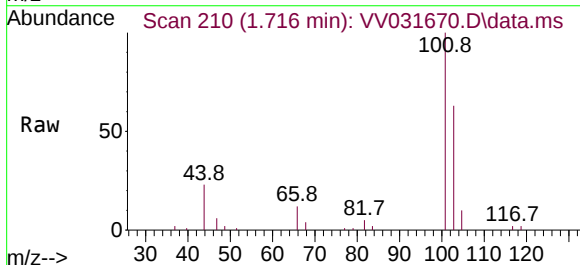
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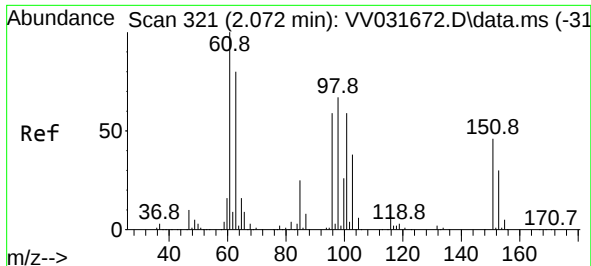
Tgt Ion: 101 Resp: 17352

Ion Ratio Lower Upper

101 100

103 64.6 51.7 77.5

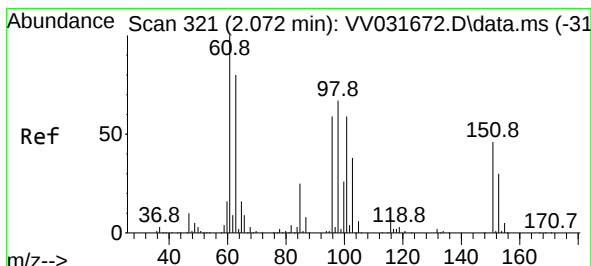
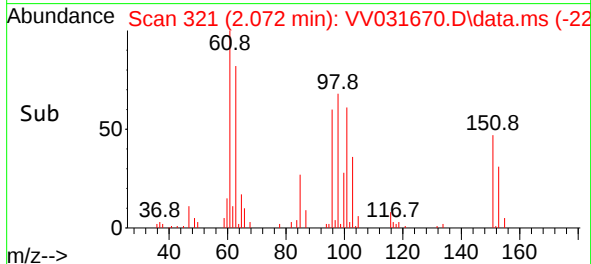
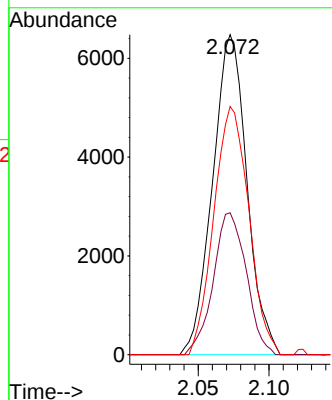
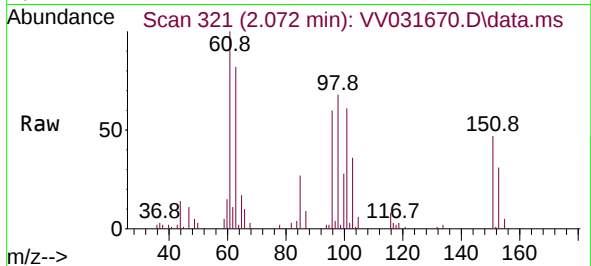




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.629 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

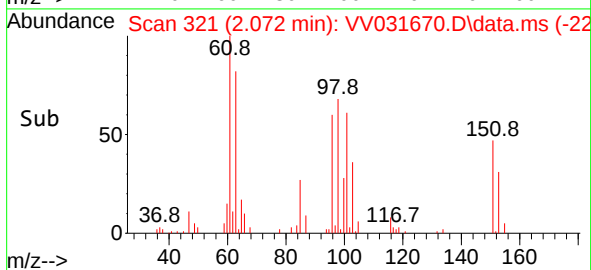
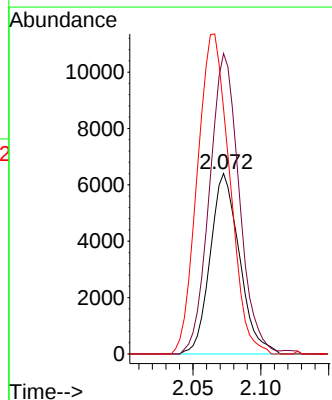
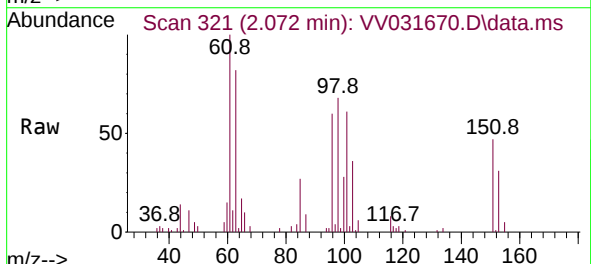
Instrument :
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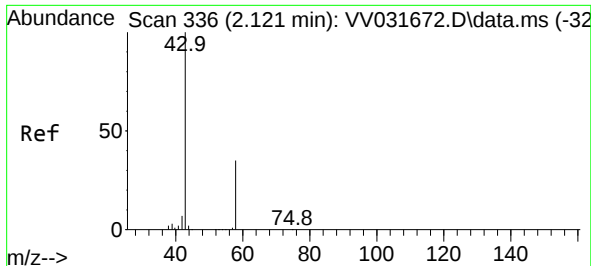
Tgt Ion:101 Resp: 10929
 Ion Ratio Lower Upper
 101 100
 85 42.6 33.9 50.9
 151 79.0 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 5.920 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

Tgt Ion: 96 Resp: 9626
 Ion Ratio Lower Upper
 96 100
 61 166.6 118.3 219.7
 63 135.9 96.8 179.8





#13

Acetone

Concen: 13.201 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

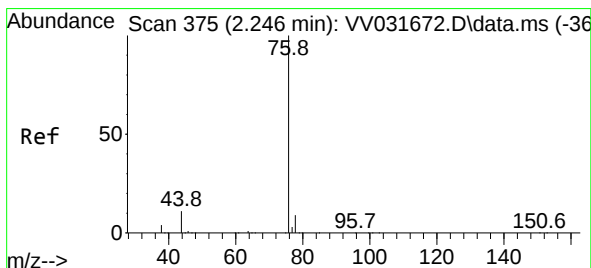
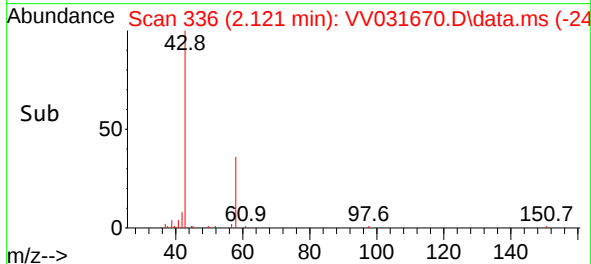
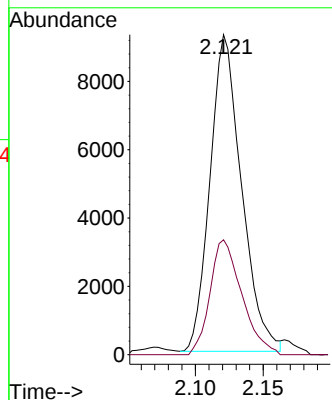
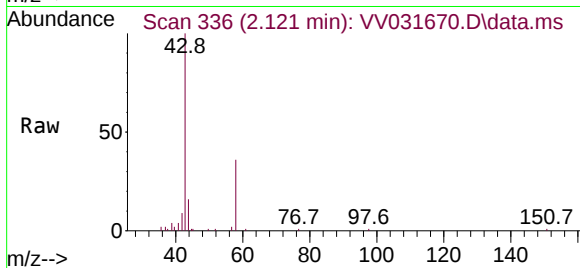
VSTD005239

Tgt Ion: 43 Resp: 14992

Ion Ratio Lower Upper

43 100

58 36.5 0.0 72.0



#14

Carbon disulfide

Concen: 5.036 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031670.D

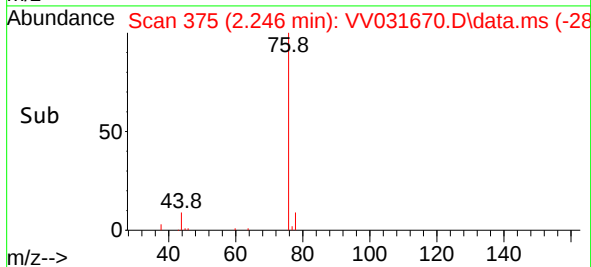
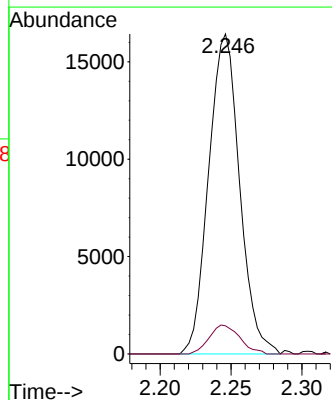
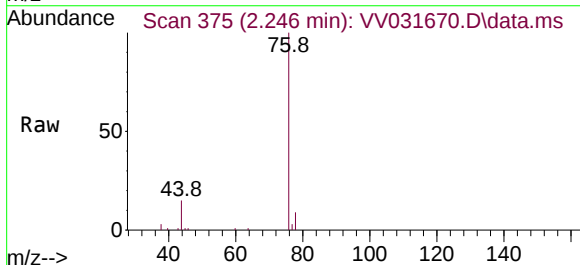
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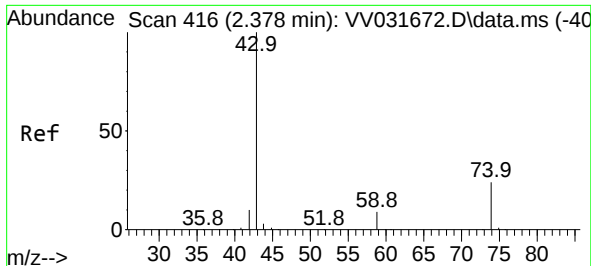
Tgt Ion: 76 Resp: 24990

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

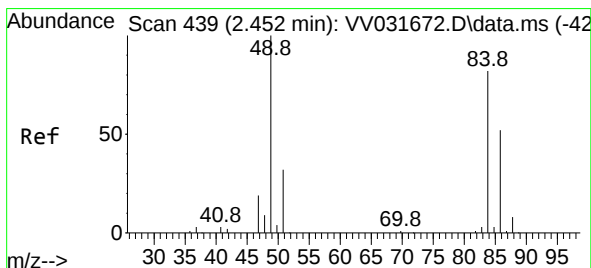
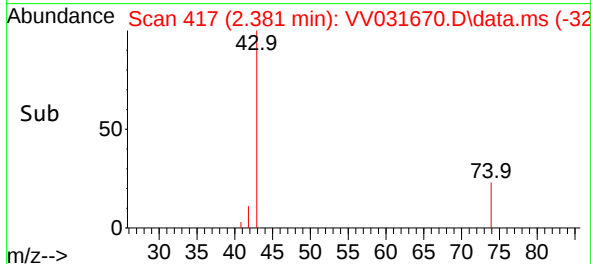
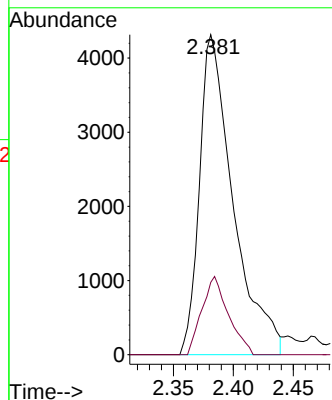
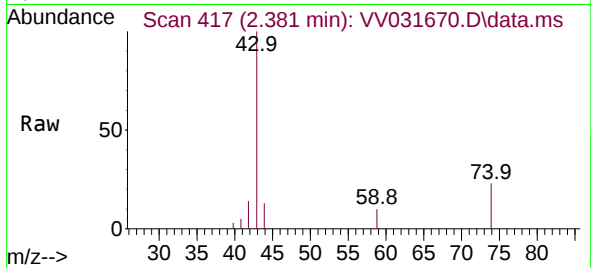




#15
Methyl Acetate
Concen: 4.364 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

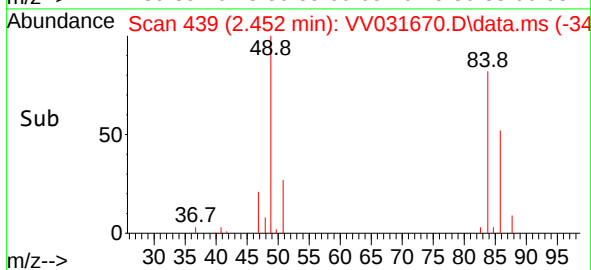
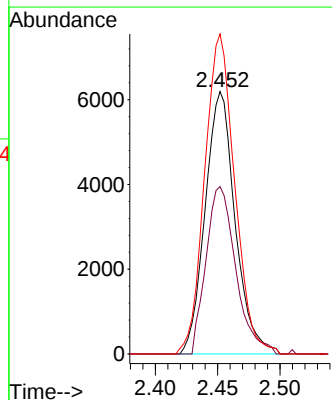
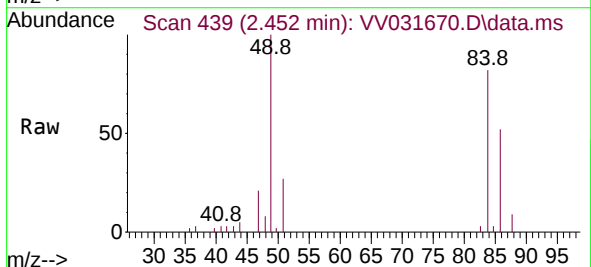
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

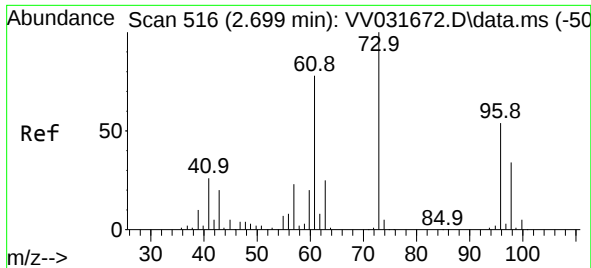
Tgt Ion: 43 Resp: 8427
Ion Ratio Lower Upper
43 100
74 19.3 19.5 29.3#



#16
Methylene chloride
Concen: 5.167 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 84 Resp: 10391
Ion Ratio Lower Upper
84 100
86 61.4 44.5 82.7
49 120.2 85.3 158.5

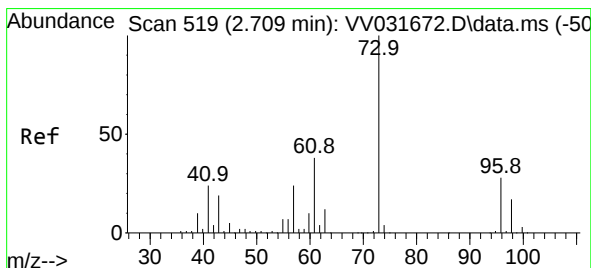
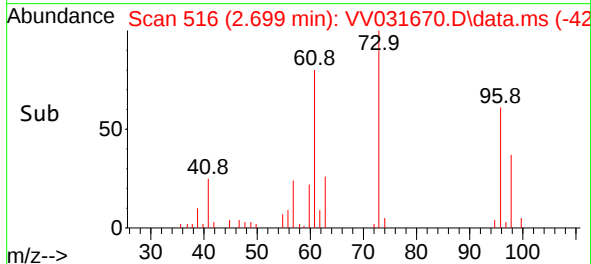
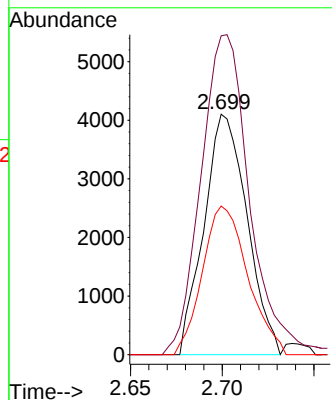
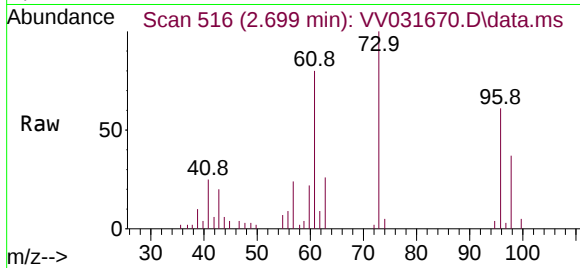




#17
trans-1,2-Dichloroethene
Concen: 4.010 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

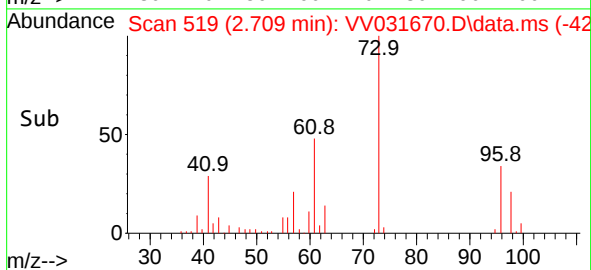
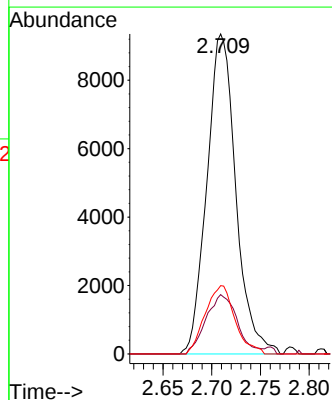
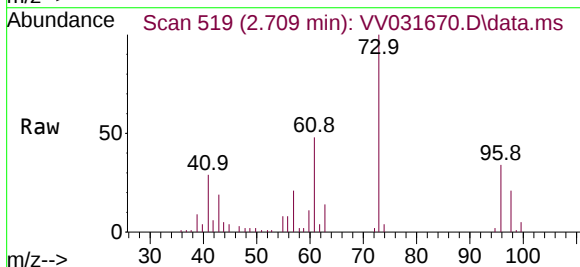
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

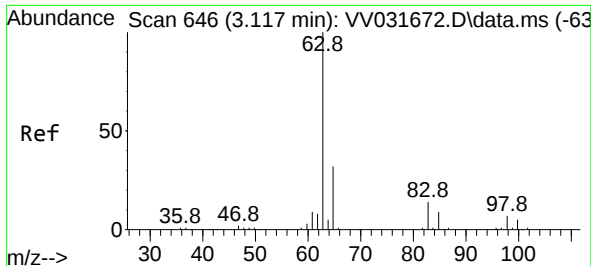
Tgt Ion:	96	Resp:	6701
Ion	Ratio	Lower	Upper
96	100		
61	132.6	101.6	188.6
98	61.8	44.7	82.9



#18
Methyl tert-butyl Ether
Concen: 3.539 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion:	73	Resp:	19339
Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.0	22.4
57	21.9	18.3	27.5

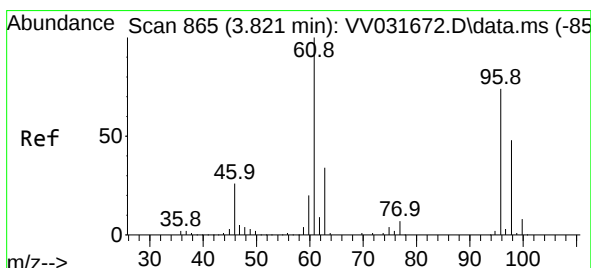
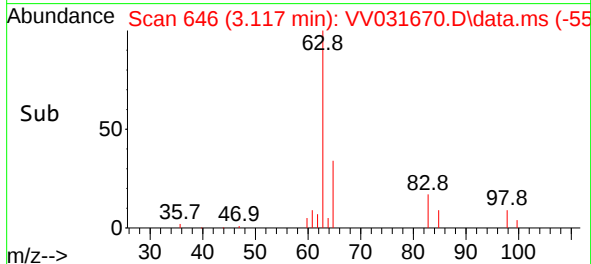
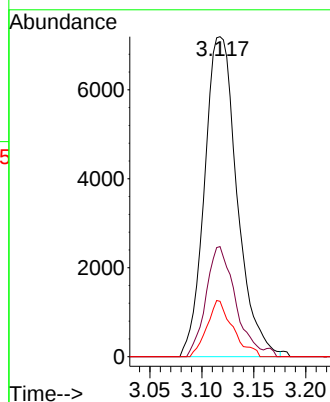
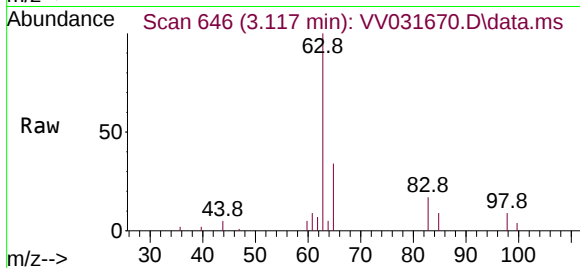




#19
1,1-Dichloroethane
Concen: 4.380 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

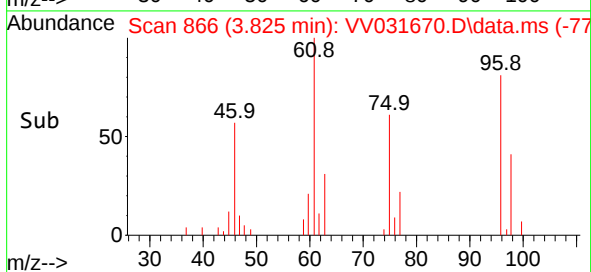
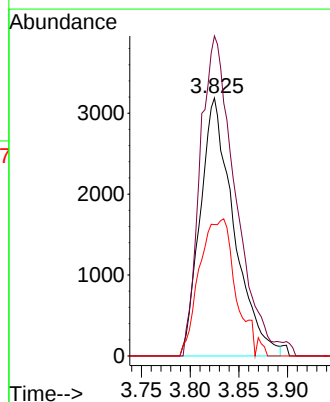
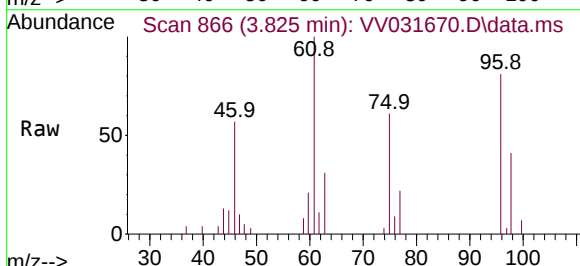
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

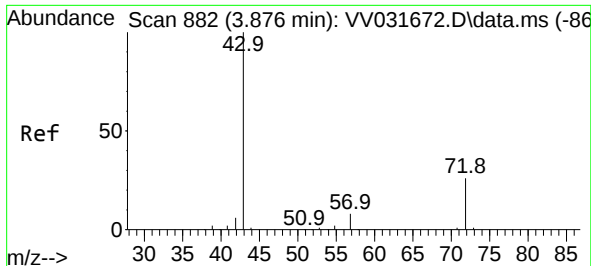
Tgt Ion:	63	Resp:	15670
Ion	Ratio	Lower	Upper
63	100		
65	34.4	22.3	41.5
83	17.3	10.6	19.6



#20
cis-1,2-Dichloroethene
Concen: 4.273 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion:	96	Resp:	7640
Ion	Ratio	Lower	Upper
96	100		
61	137.5	90.6	168.2
98	50.9	43.8	81.3

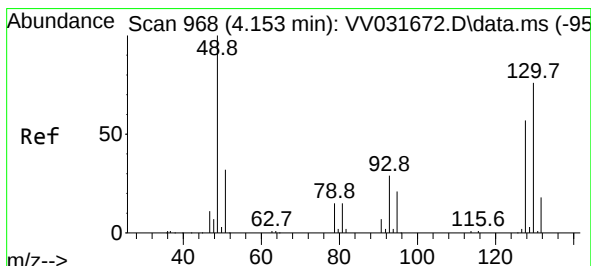
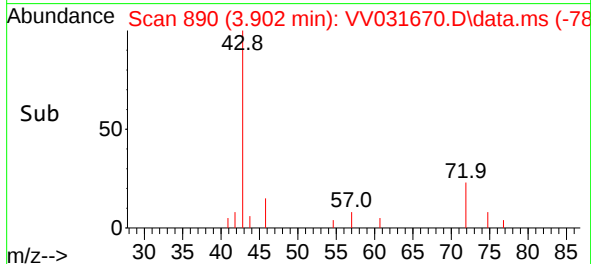
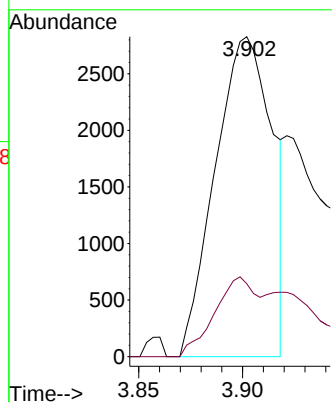
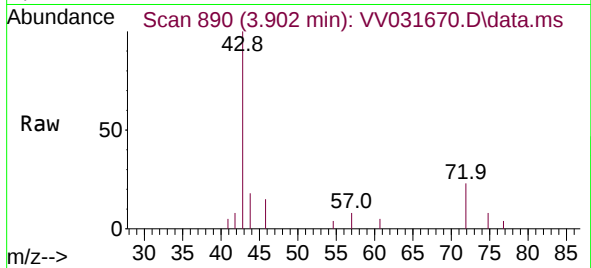




#22
2-Butanone
Concen: 3.743 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.026 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

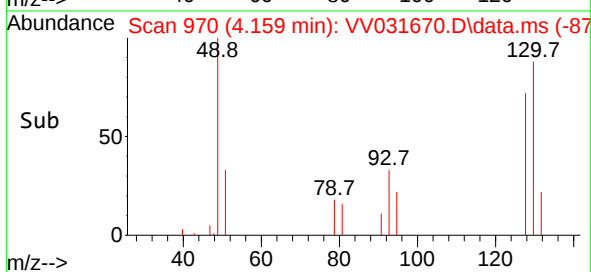
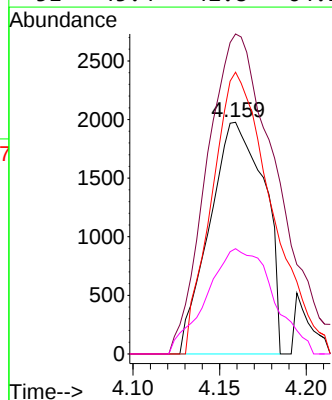
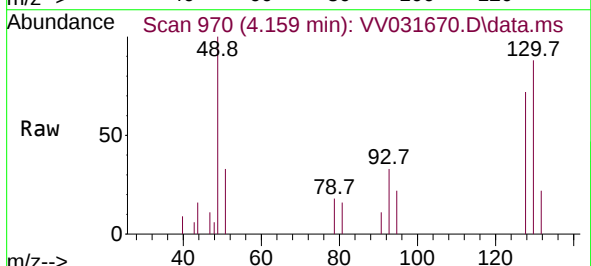
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

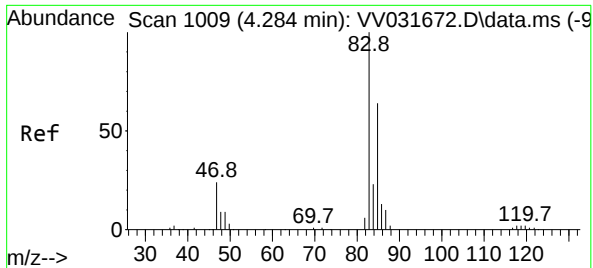
Tgt Ion: 43 Resp: 5381
Ion Ratio Lower Upper
43 100
72 18.5 12.7 38.0



#23
Bromochloromethane
Concen: 4.420 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.007 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 128 Resp: 4337
Ion Ratio Lower Upper
128 100
49 138.1 117.9 218.9
130 121.6 89.1 165.5
51 45.4 42.8 64.2

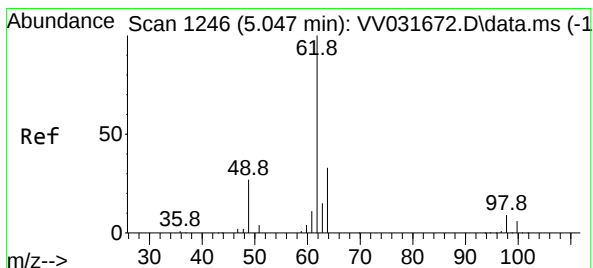
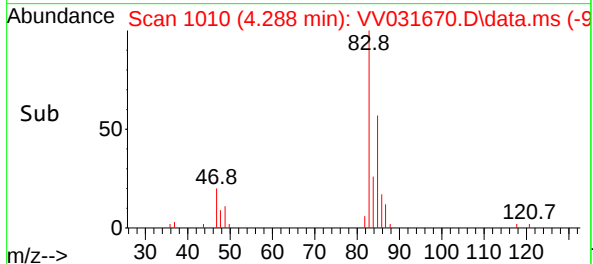
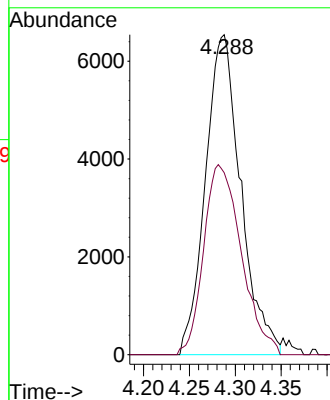
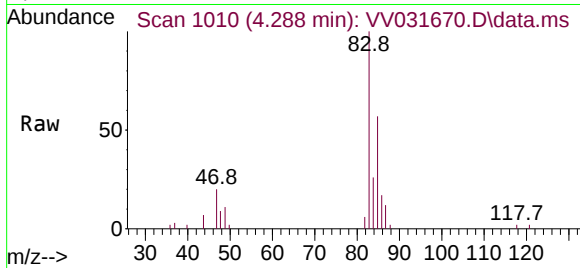




#25
Chloroform
Concen: 4.714 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

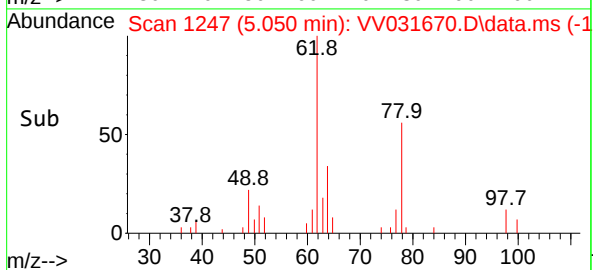
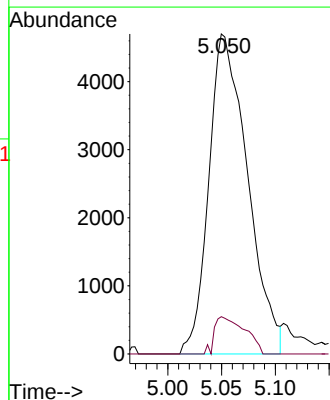
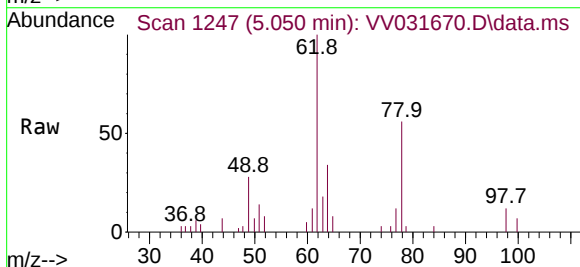
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

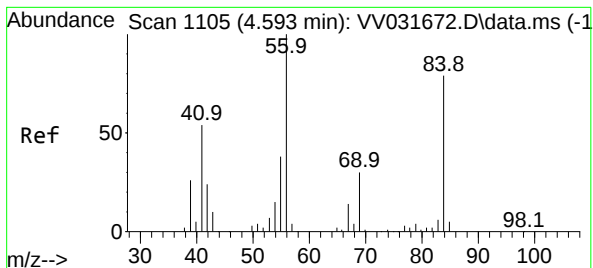
Tgt Ion: 83 Resp: 17545
Ion Ratio Lower Upper
83 100
85 56.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.124 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 62 Resp: 11766
Ion Ratio Lower Upper
62 100
98 11.7 7.5 11.3#





#29

Cyclohexane

Concen: 3.235 ug/L

RT: 4.584 min Scan# 1105

Delta R.T. -0.010 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD005239

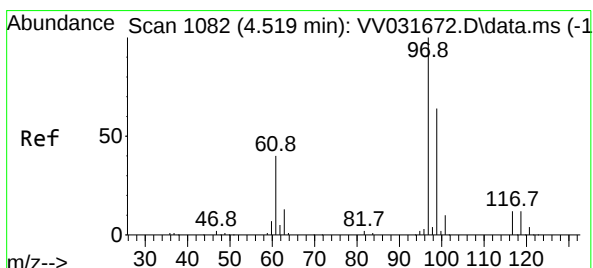
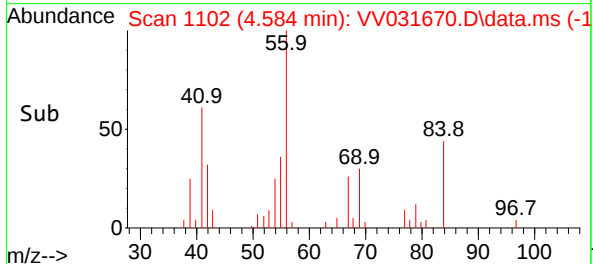
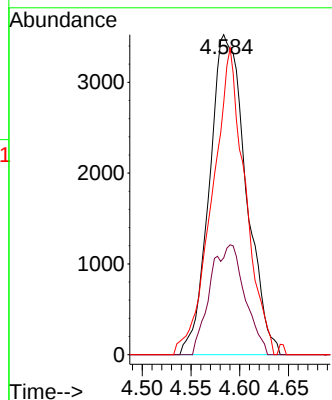
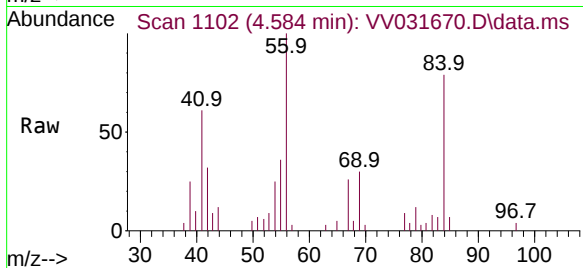
Tgt Ion: 56 Resp: 9197

Ion Ratio Lower Upper

56 100

69 12.2 24.1 36.1#

84 86.3 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 4.495 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

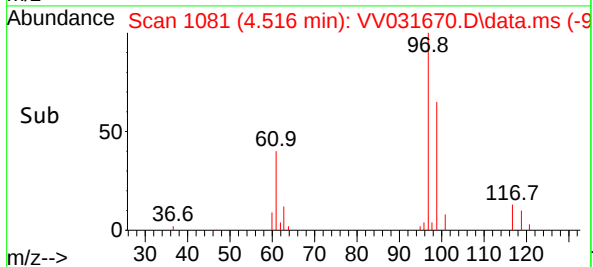
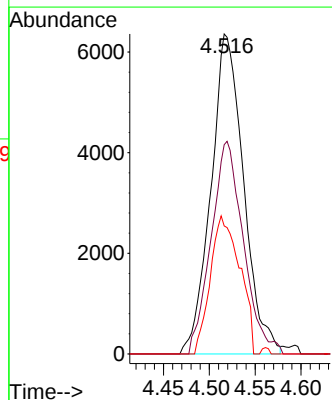
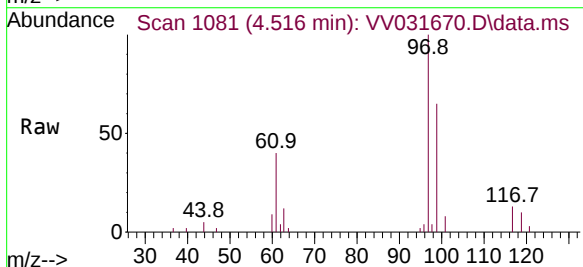
Tgt Ion: 97 Resp: 15742

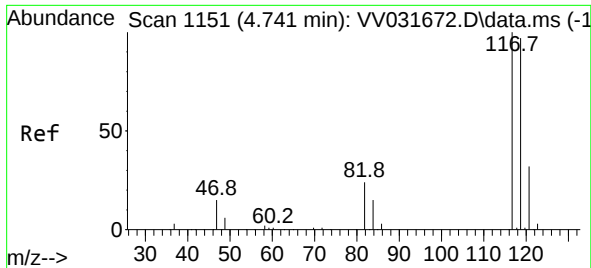
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 38.9 32.2 48.2

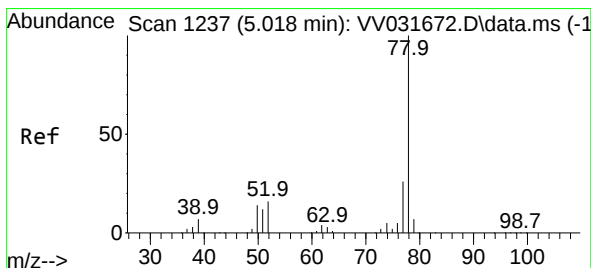
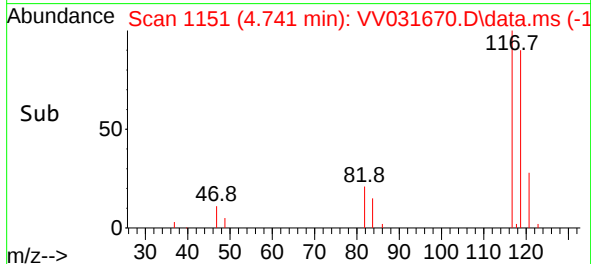
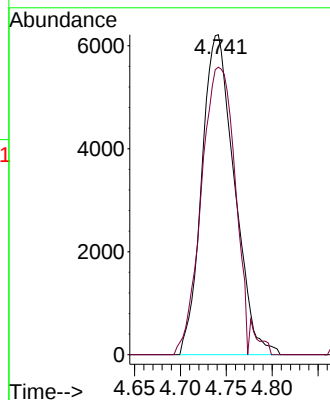
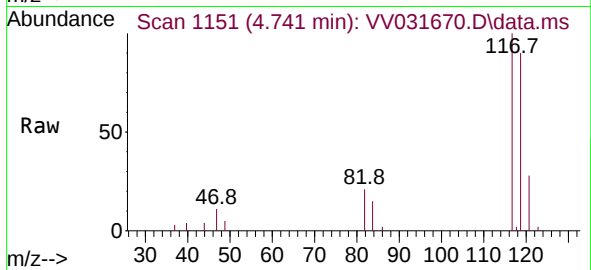




#31
Carbon tetrachloride
Concen: 4.960 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

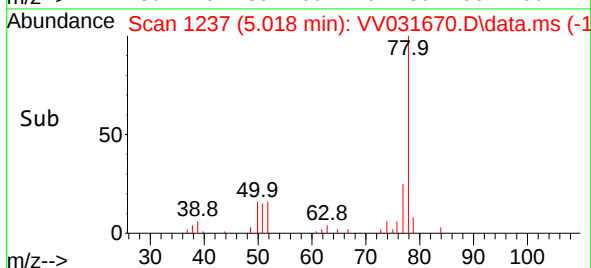
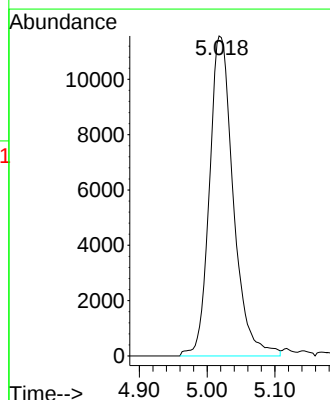
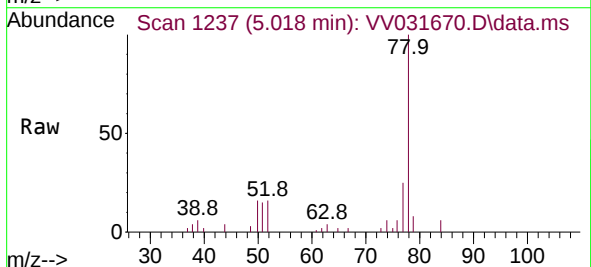
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

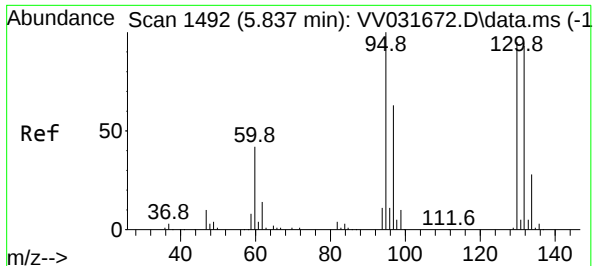
Tgt Ion:117 Resp: 15385
Ion Ratio Lower Upper
117 100
119 91.8 78.0 117.0



#33
Benzene
Concen: 3.882 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 78 Resp: 28357



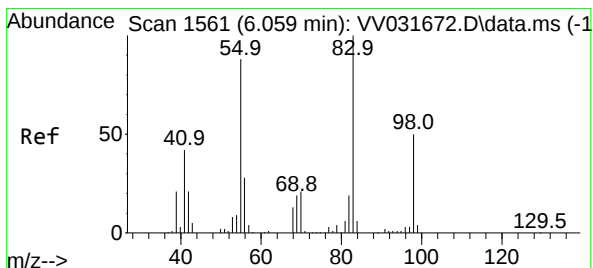
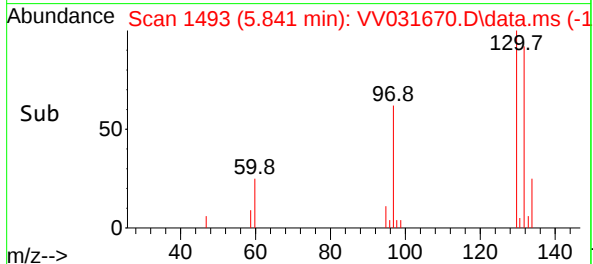
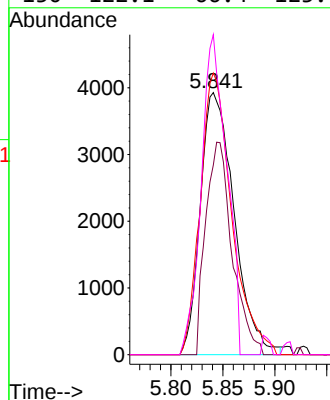
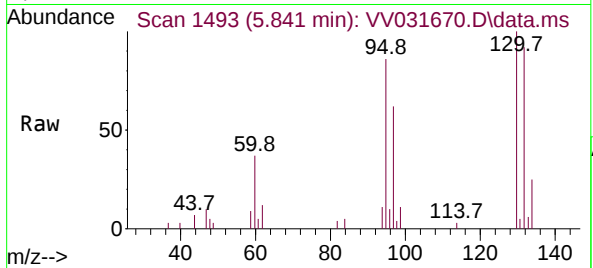


#34
Trichloroethene
Concen: 4.494 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

Tgt Ion: 95 Resp: 8882

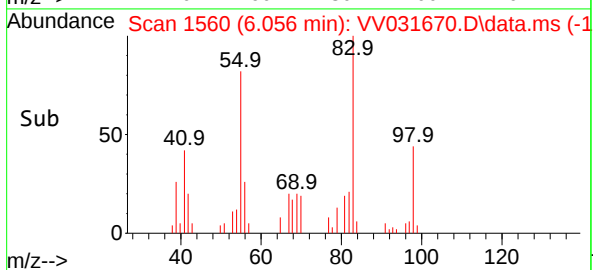
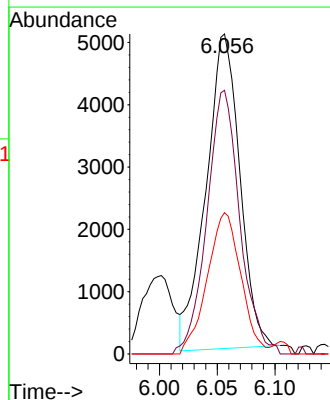
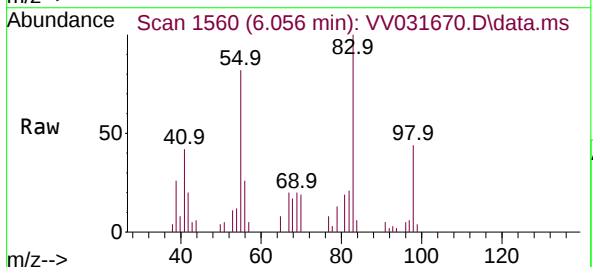
Ion	Ratio	Lower	Upper
95	100		
97	77.1	47.0	87.2
132	107.5	64.8	120.4
130	122.1	66.4	123.4

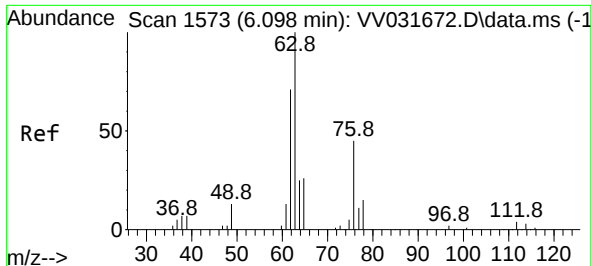


#35
Methylcyclohexane
Concen: 3.580 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 83 Resp: 10232

Ion	Ratio	Lower	Upper
83	100		
55	81.6	69.4	104.2
98	44.9	38.2	57.2





#37

1,2-Dichloropropane

Concen: 4.266 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

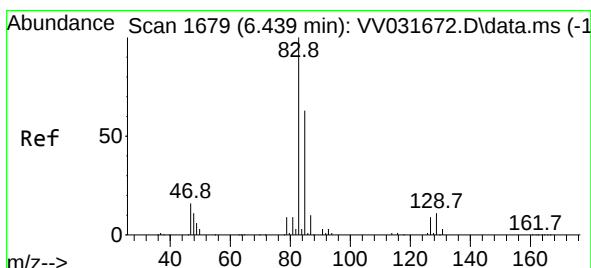
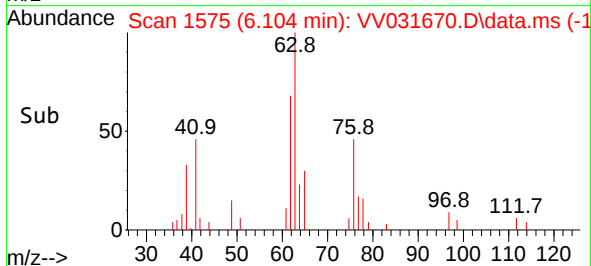
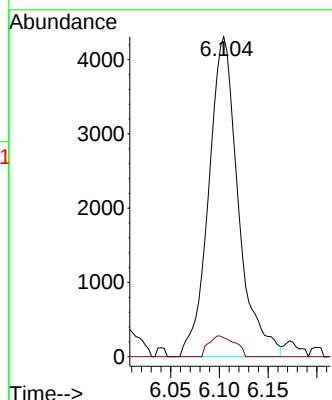
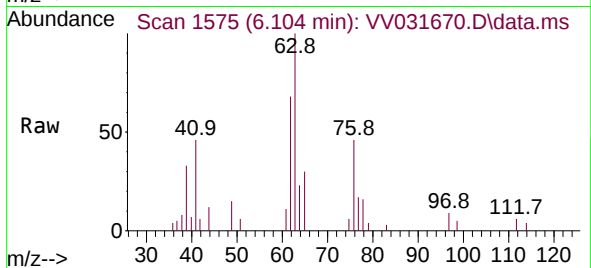
VSTD005239

Tgt Ion: 63 Resp: 9096

Ion Ratio Lower Upper

63 100

112 5.7 3.7 5.5#



#38

Bromodichloromethane

Concen: 4.387 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

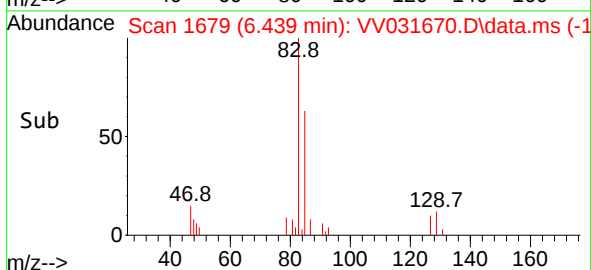
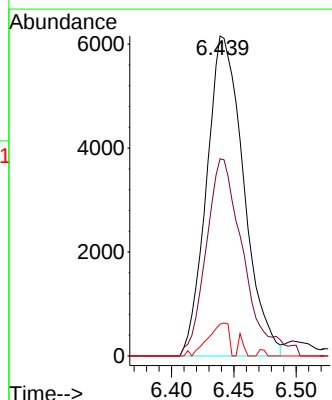
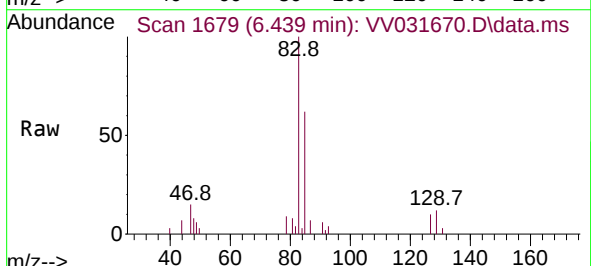
Tgt Ion: 83 Resp: 12726

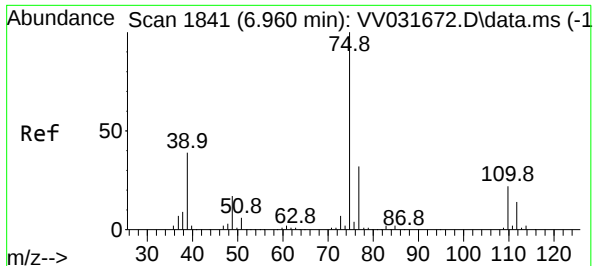
Ion Ratio Lower Upper

83 100

85 61.6 44.2 82.0

127 9.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 3.335 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

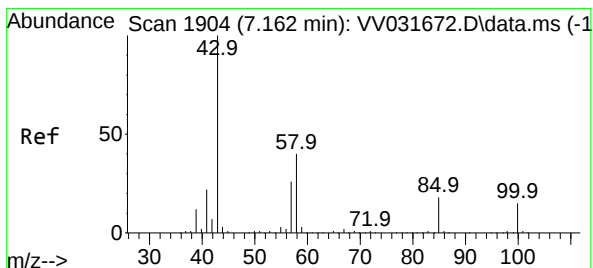
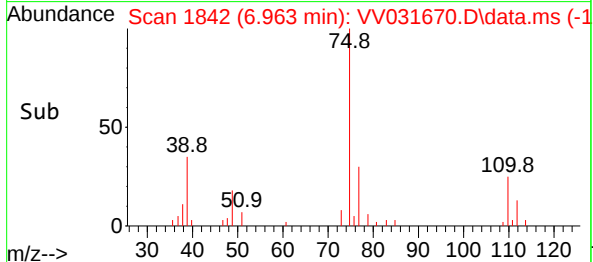
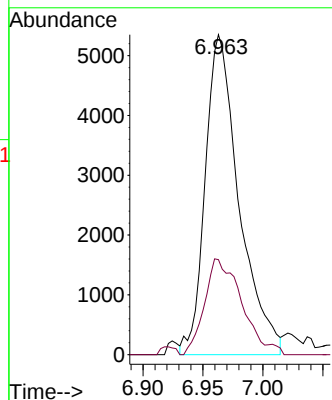
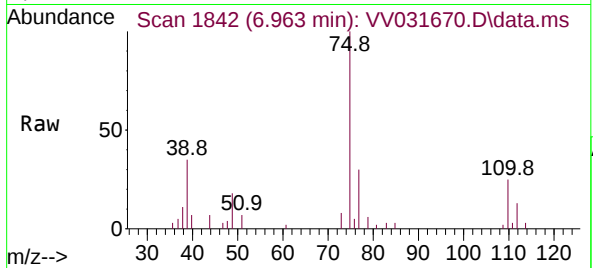
VSTD005239

Tgt Ion: 75 Resp: 10507

Ion Ratio Lower Upper

75 100

77 29.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 5.761 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

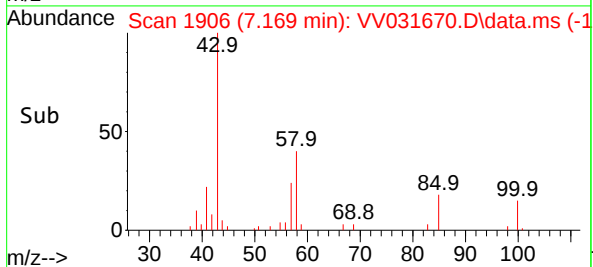
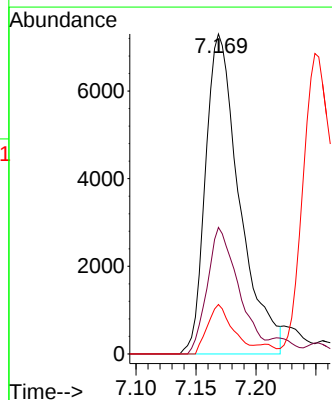
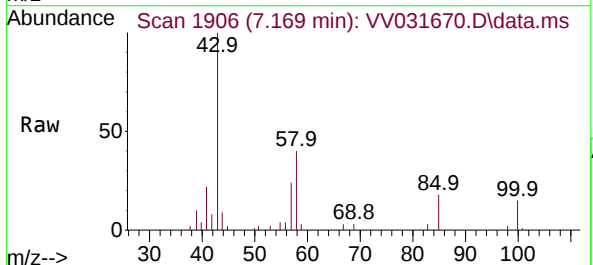
Tgt Ion: 43 Resp: 14404

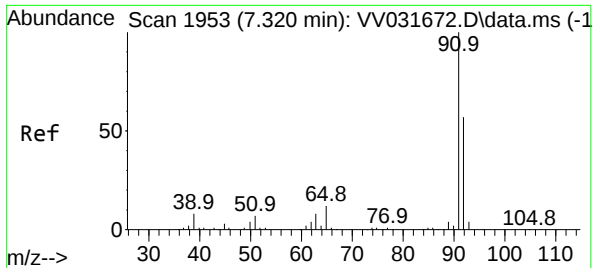
Ion Ratio Lower Upper

43 100

58 36.4 32.1 48.1

100 11.6 12.1 18.1#





#42

Toluene

Concen: 3.421 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

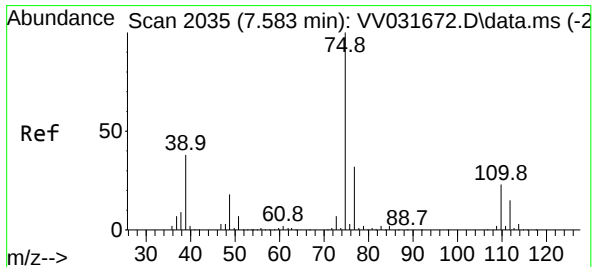
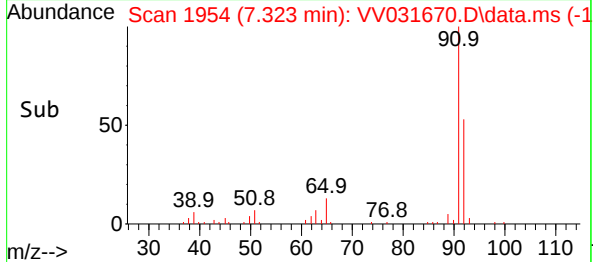
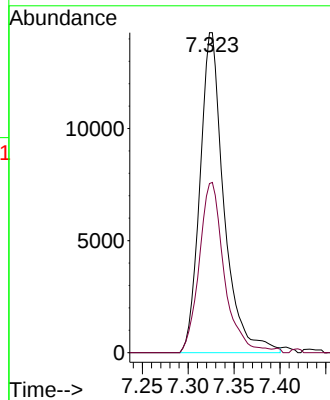
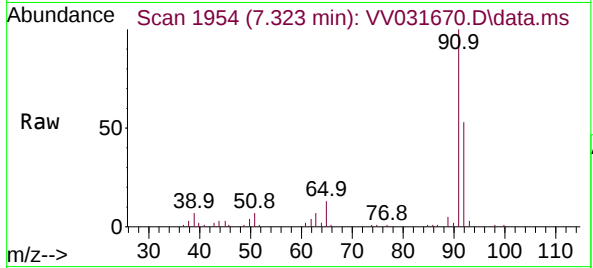
VSTD005239

Tgt Ion: 91 Resp: 25981

Ion Ratio Lower Upper

91 100

92 52.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 3.196 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.007 min

Lab File: VV031670.D

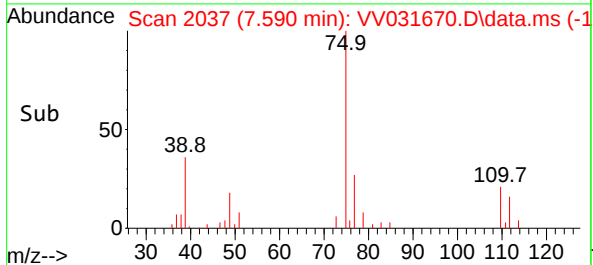
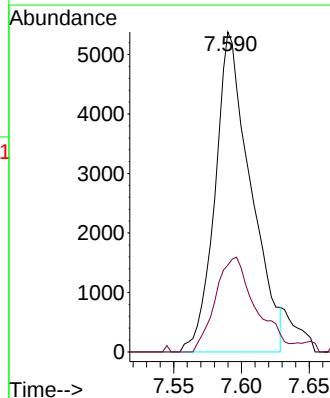
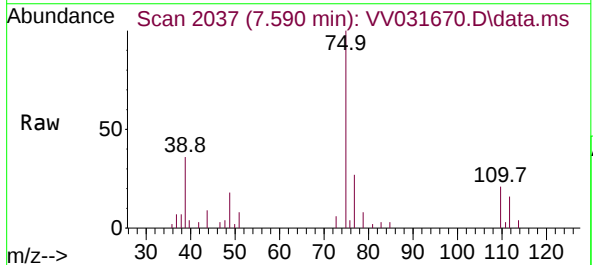
Acq: 11 Jul 2023 10:25

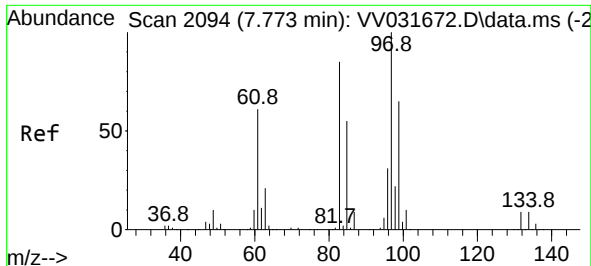
Tgt Ion: 75 Resp: 9832

Ion Ratio Lower Upper

75 100

77 27.2 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.551 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD005239

Tgt Ion: 97 Resp: 9251

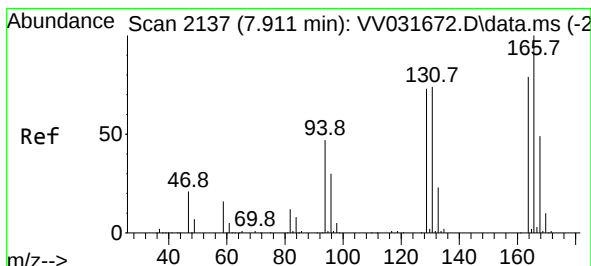
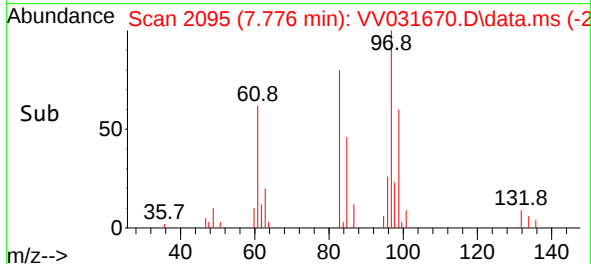
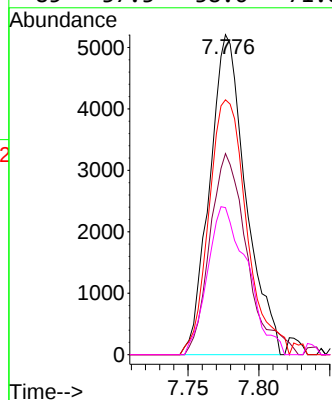
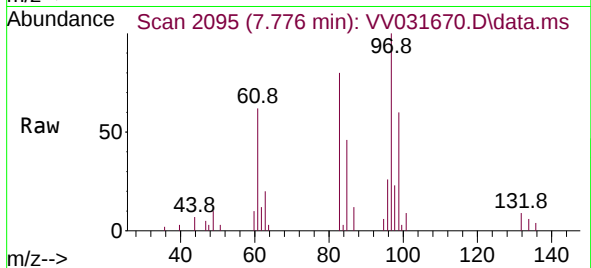
Ion Ratio Lower Upper

97 100

99 51.0 45.2 84.0

83 64.6 59.5 110.5

85 37.3 38.6 71.8#



#46

Tetrachloroethene

Concen: 4.130 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Tgt Ion:164 Resp: 6369

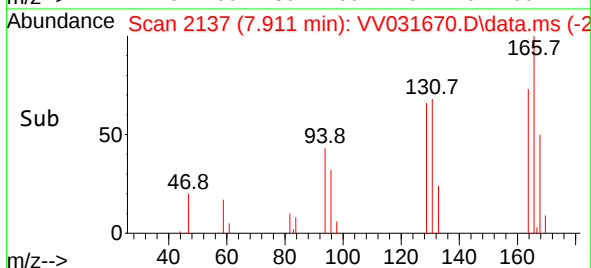
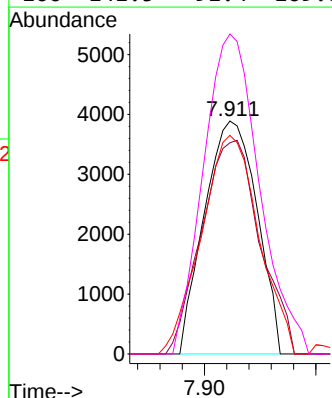
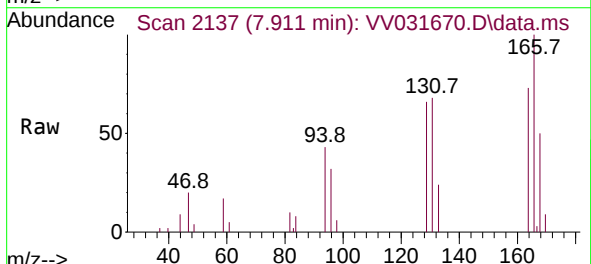
Ion Ratio Lower Upper

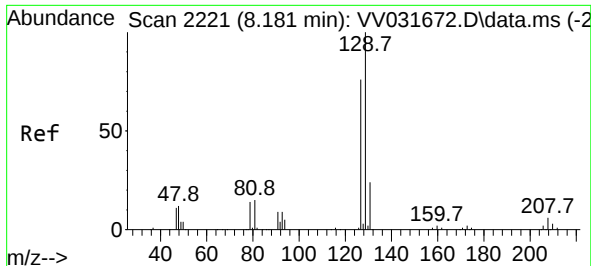
164 100

129 90.7 65.2 121.0

131 93.9 67.1 124.7

166 141.5 91.4 169.8





#49

Dibromochloromethane

Concen: 4.463 ug/L

RT: 8.185 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

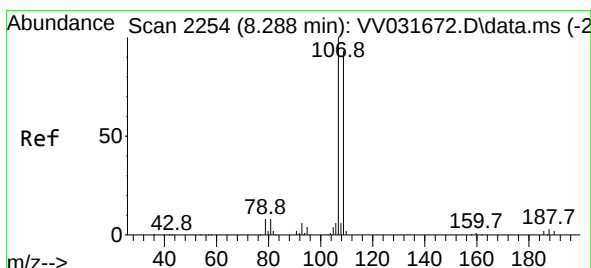
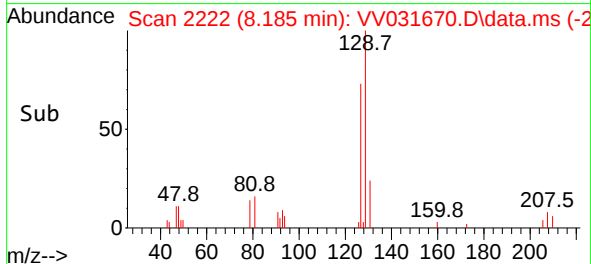
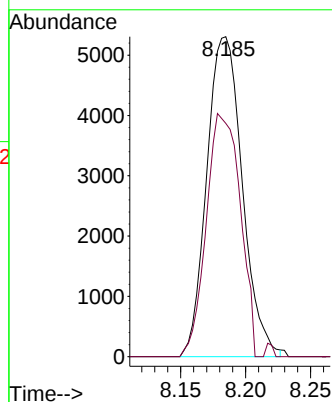
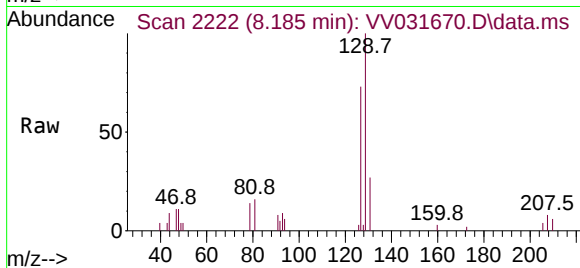
VSTD005239

Tgt Ion:129 Resp: 10108

Ion Ratio Lower Upper

129 100

127 72.9 55.2 102.6



#50

1,2-Dibromoethane

Concen: 4.018 ug/L

RT: 8.294 min Scan# 2256

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

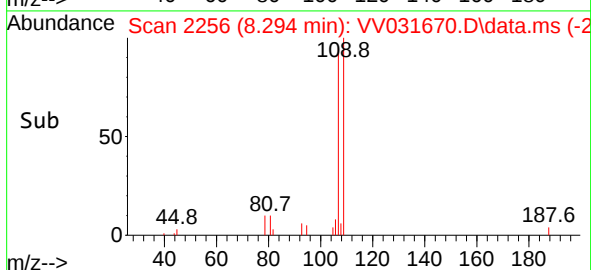
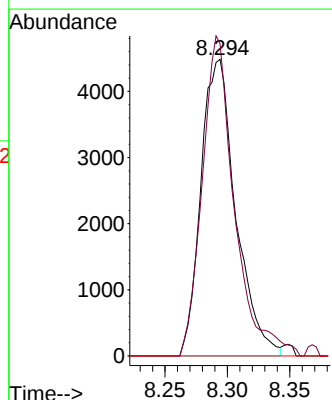
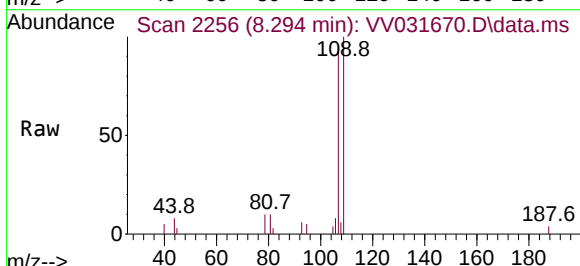
Tgt Ion:107 Resp: 8724

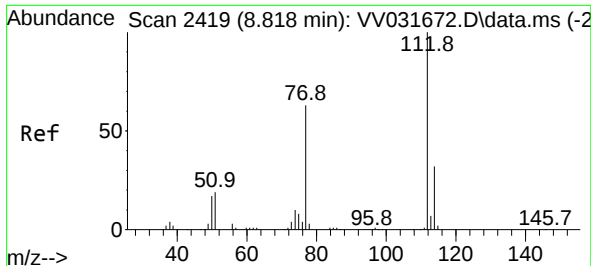
Ion Ratio Lower Upper

107 100

109 105.3 65.4 121.4

188 0.0 2.8 4.2#

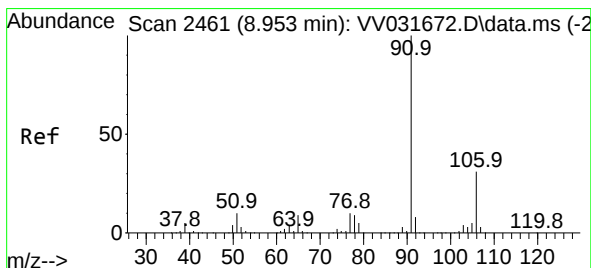
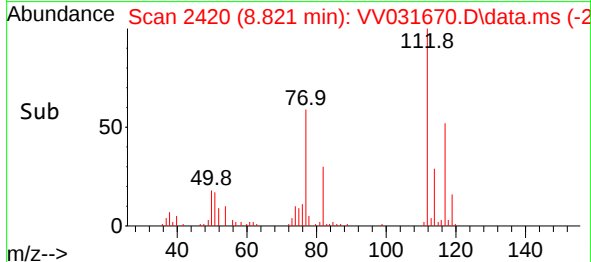
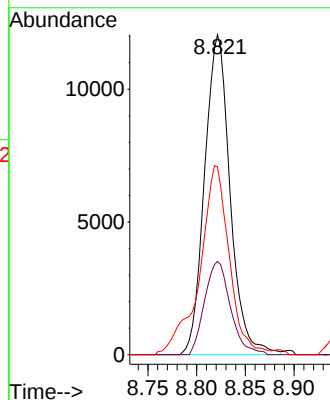
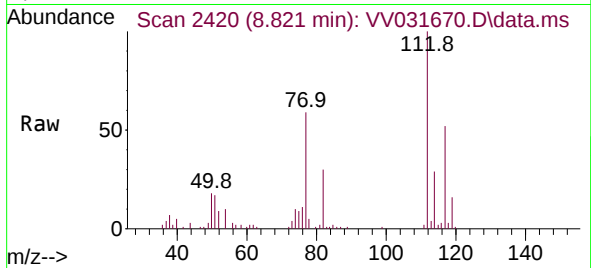




#51
Chlorobenzene
Concen: 4.378 ug/L
RT: 8.821 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

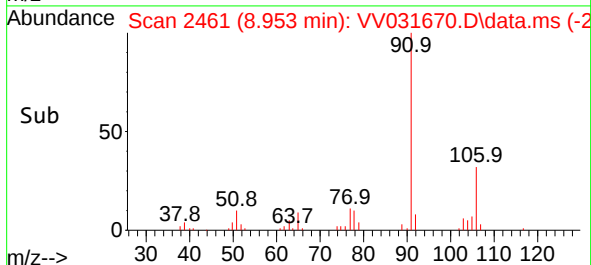
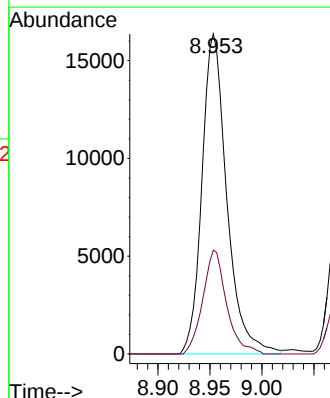
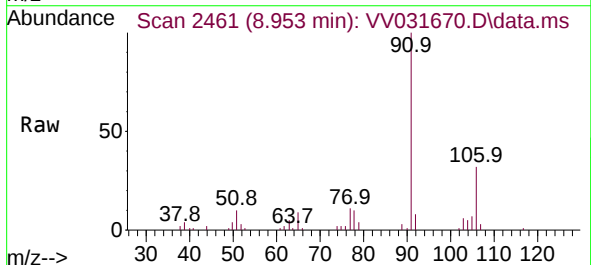
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

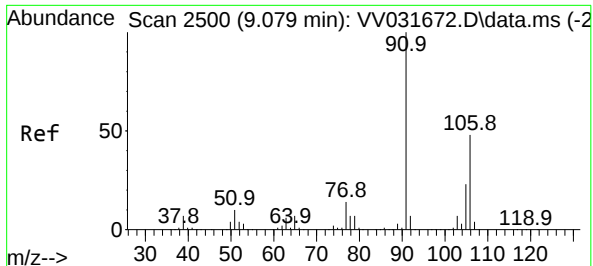
Tgt Ion:112 Resp: 21978
Ion Ratio Lower Upper
112 100
114 29.2 22.2 41.2
77 58.7 50.6 76.0



#52
Ethylbenzene
Concen: 3.243 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 91 Resp: 27228
Ion Ratio Lower Upper
91 100
106 32.5 21.5 39.9

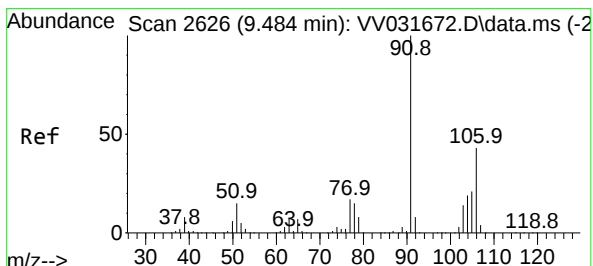
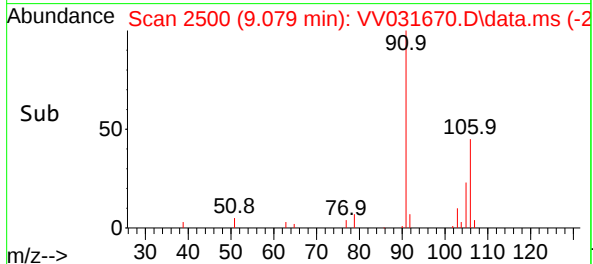
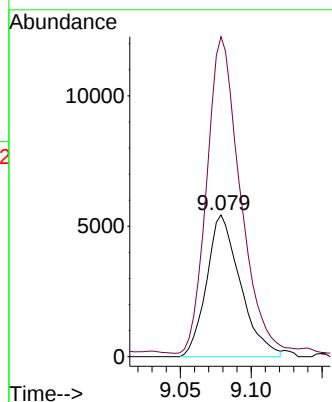
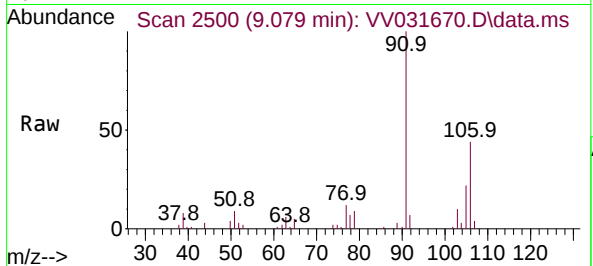




#53
 m,p-Xylene
 Concen: 2.897 ug/L
 RT: 9.079 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

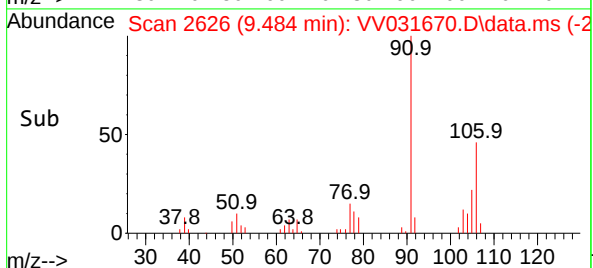
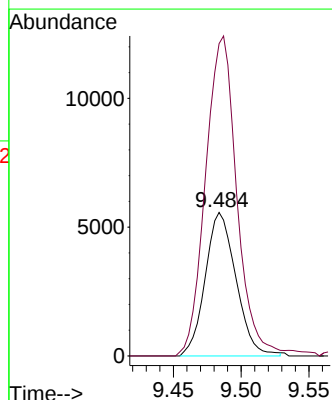
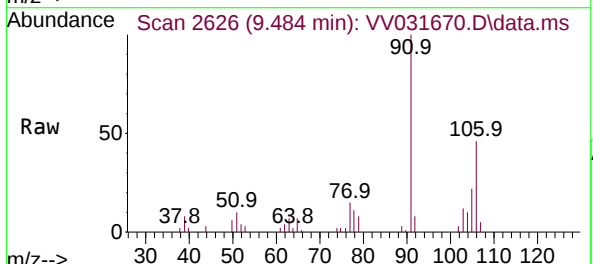
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005239

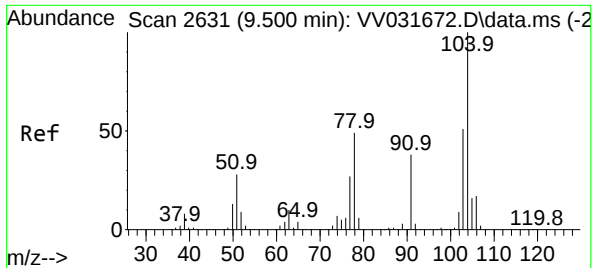
Tgt Ion:106 Resp: 8988
 Ion Ratio Lower Upper
 106 100
 91 225.8 145.6 270.4



#54
 o-Xylene
 Concen: 3.012 ug/L
 RT: 9.484 min Scan# 2626
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

Tgt Ion:106 Resp: 8790
 Ion Ratio Lower Upper
 106 100
 91 217.6 163.0 302.6

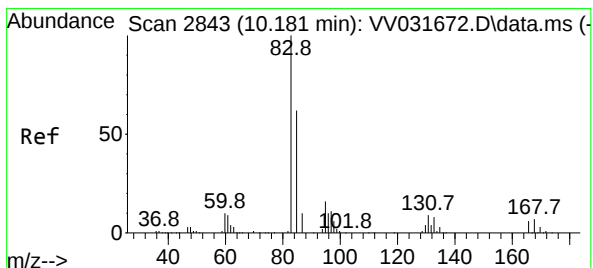
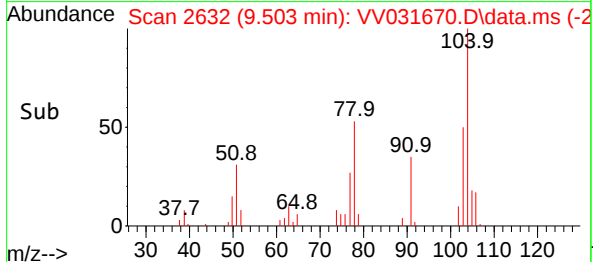
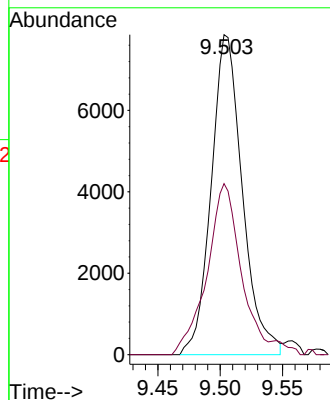
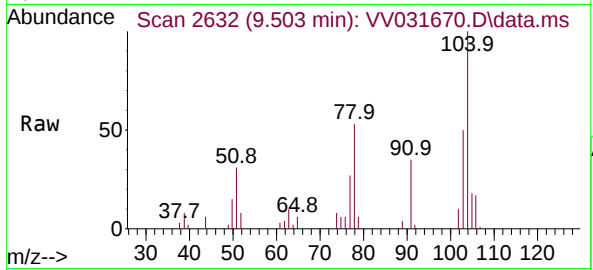




#55
Styrene
Concen: 2.593 ug/L
RT: 9.503 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

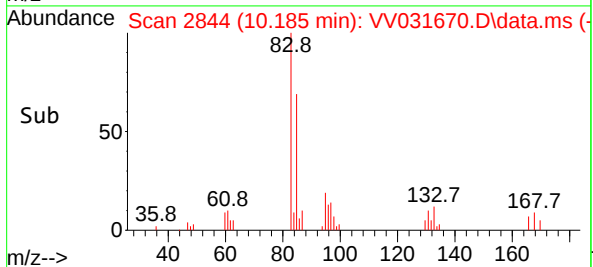
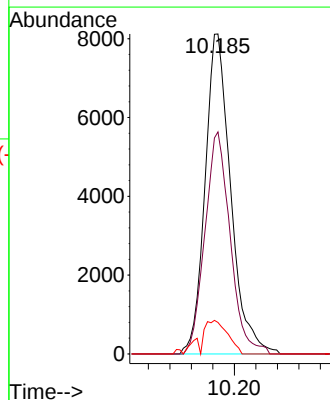
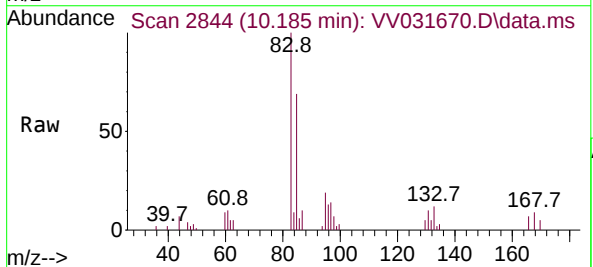
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

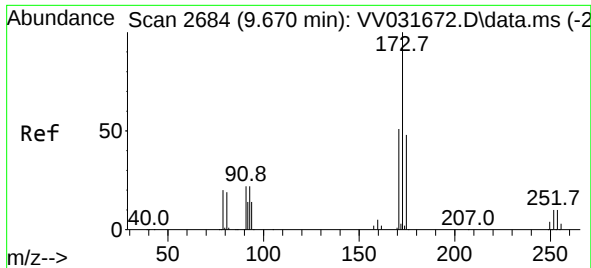
Tgt Ion:104 Resp: 13689
Ion Ratio Lower Upper
104 100
78 53.4 34.4 64.0



#57
1,1,2,2-Tetrachloroethane
Concen: 4.106 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 83 Resp: 13444
Ion Ratio Lower Upper
83 100
85 75.7 43.4 80.6
131 14.8 10.9 16.3

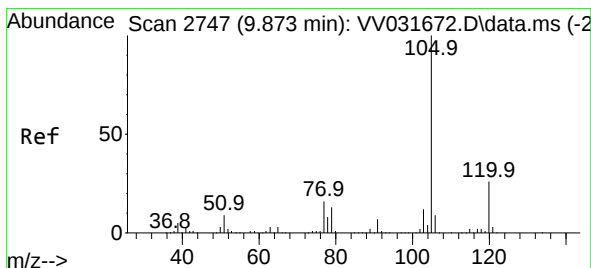
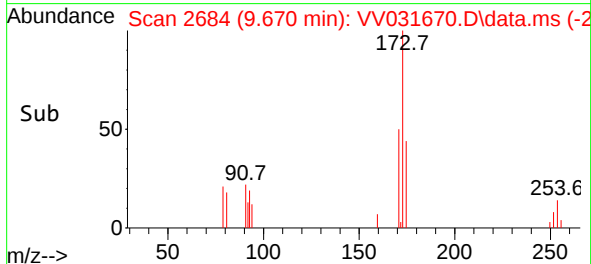
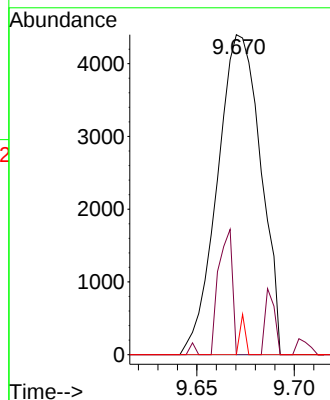
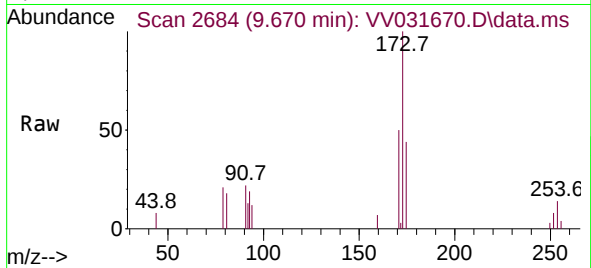




#59
Bromoform
Concen: 4.295 ug/L
RT: 9.670 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

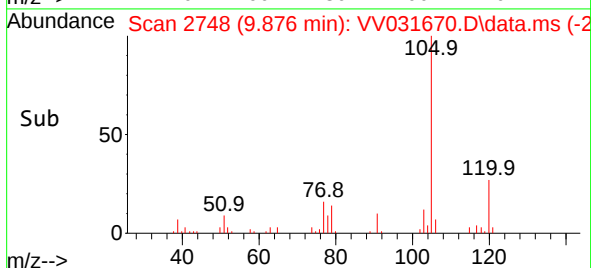
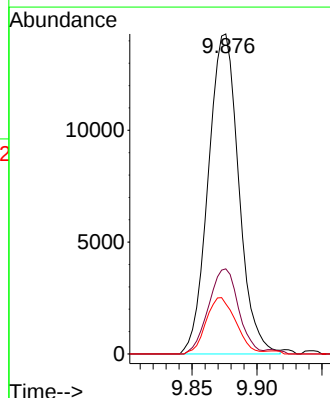
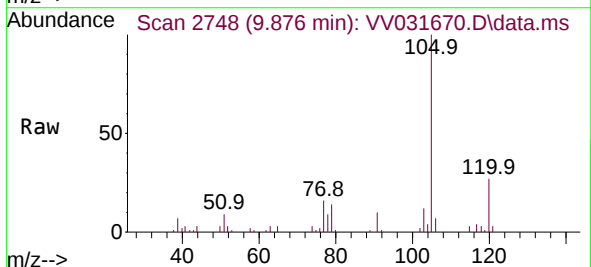
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

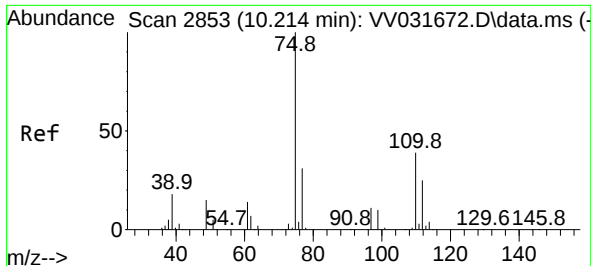
Tgt Ion:173 Resp: 6823
Ion Ratio Lower Upper
173 100
175 12.3 38.6 58.0#
254 0.0 6.9 10.3#



#60
Isopropylbenzene
Concen: 2.914 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion:105 Resp: 23312
Ion Ratio Lower Upper
105 100
120 26.3 20.6 30.8
77 17.3 13.2 19.8

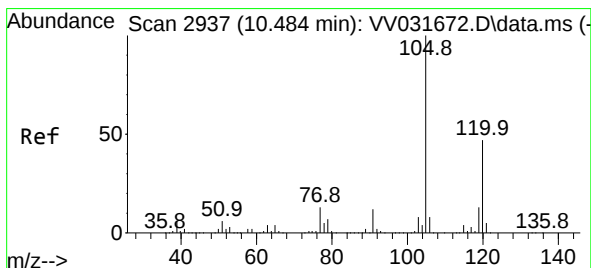
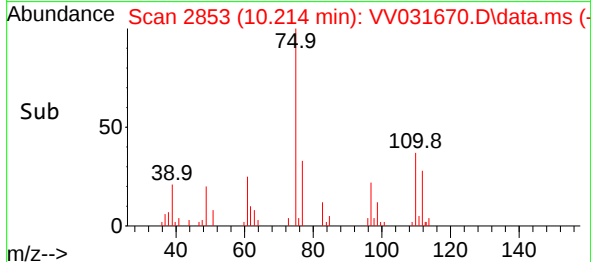
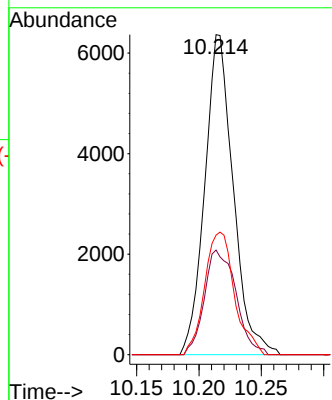
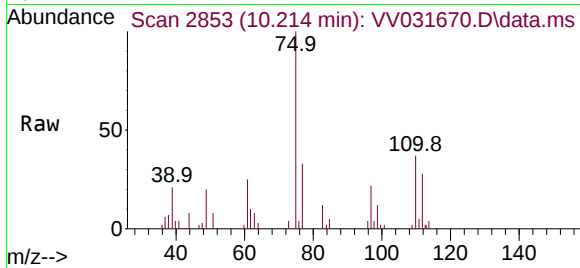




#61
1,2,3-Trichloropropane
Concen: 4.004 ug/L
RT: 10.214 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

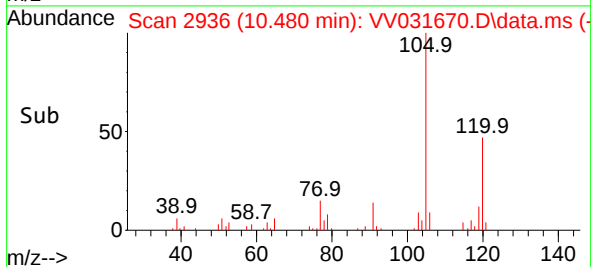
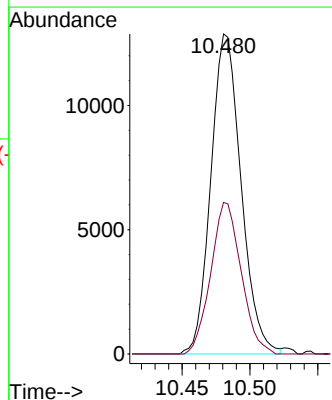
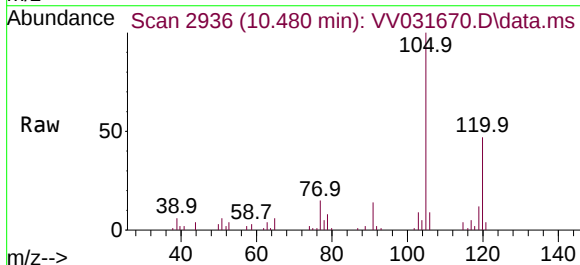
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

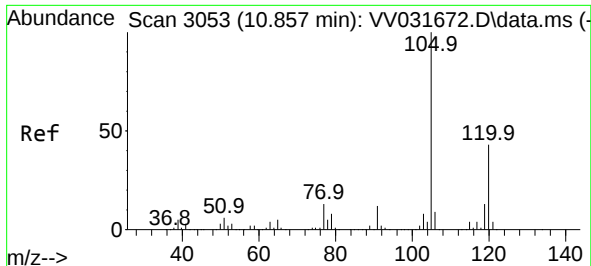
Tgt Ion: 75 Resp: 10091
Ion Ratio Lower Upper
75 100
77 36.4 25.1 37.7
110 40.2 31.4 47.0



#62
1,3,5-Trimethylbenzene
Concen: 3.034 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion: 105 Resp: 19978
Ion Ratio Lower Upper
105 100
120 47.5 37.4 56.0

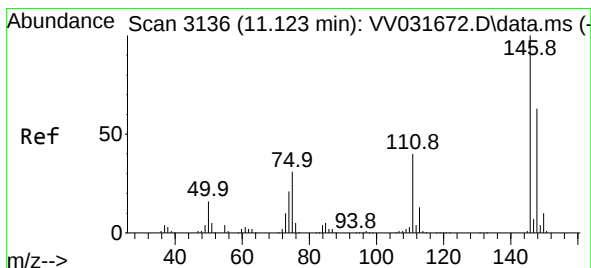
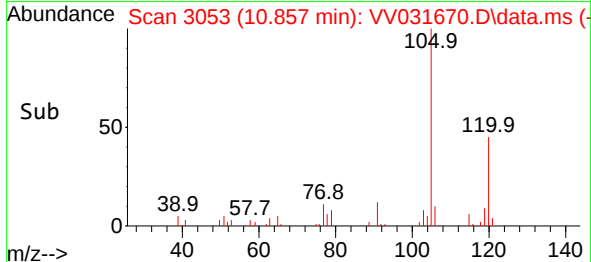
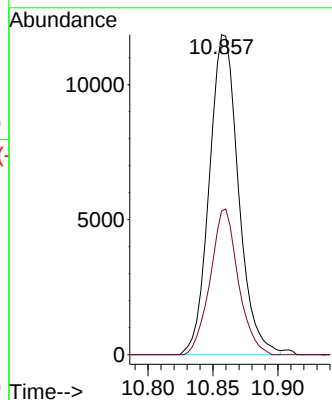
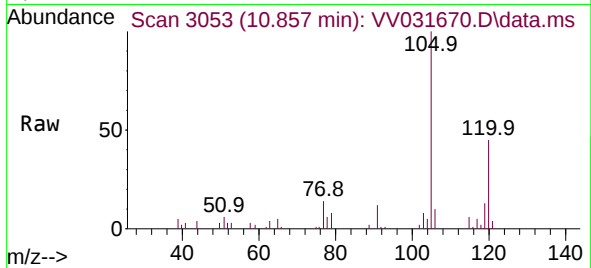




#63
1,2,4-Trimethylbenzene
Concen: 2.965 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

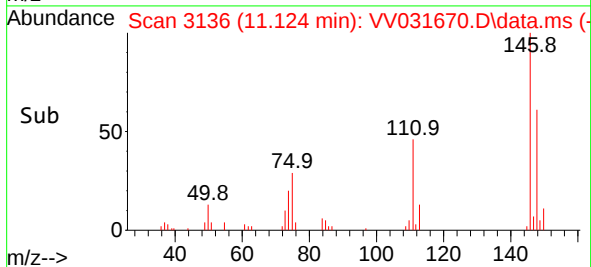
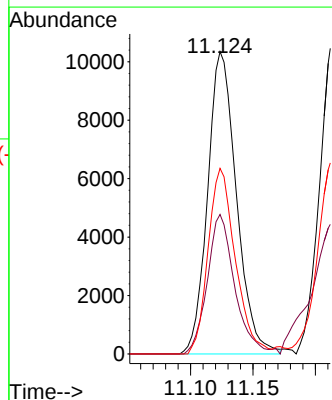
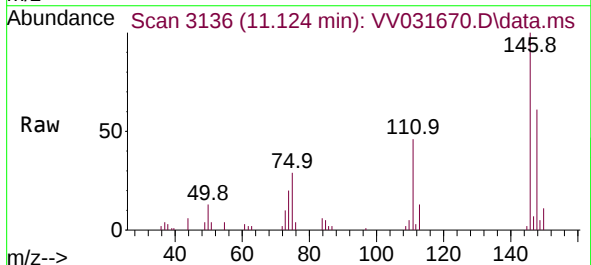
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

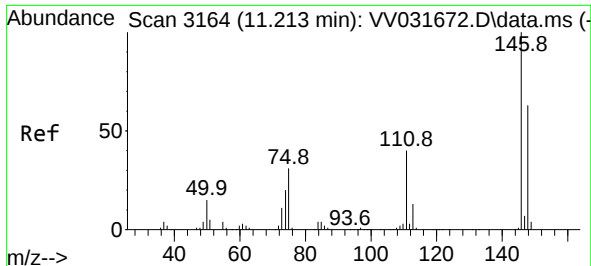
Tgt Ion:105 Resp: 18507
Ion Ratio Lower Upper
105 100
120 43.6 34.7 52.1



#64
1,3-Dichlorobenzene
Concen: 4.095 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion:146 Resp: 16623
Ion Ratio Lower Upper
146 100
111 49.4 28.3 52.5
148 66.7 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 4.252 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD005239

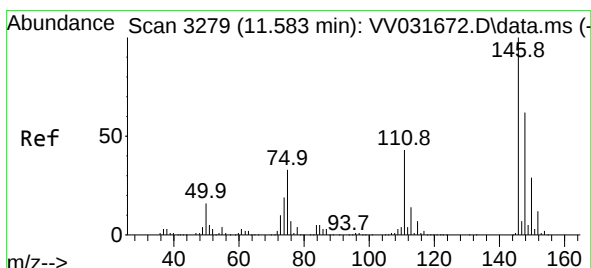
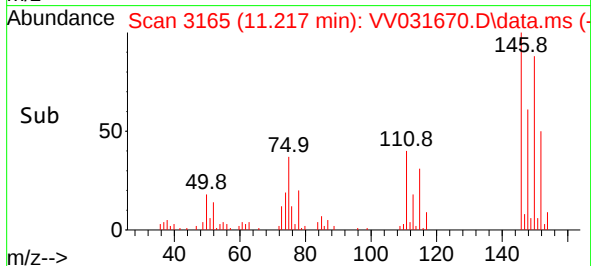
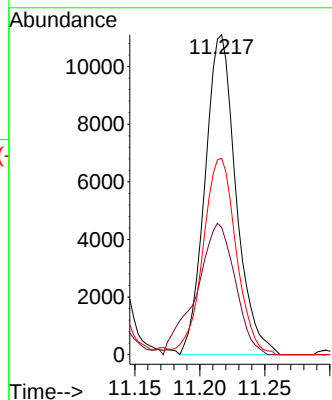
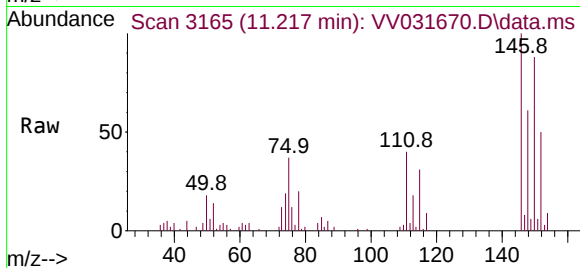
Tgt Ion:146 Resp: 18439

Ion Ratio Lower Upper

146 100

111 39.8 28.3 52.7

148 67.8 44.1 81.9



#67

1,2-Dichlorobenzene

Concen: 3.830 ug/L

RT: 11.587 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

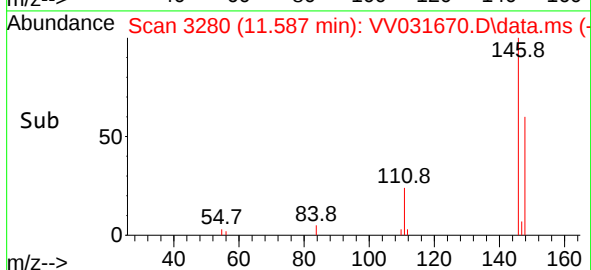
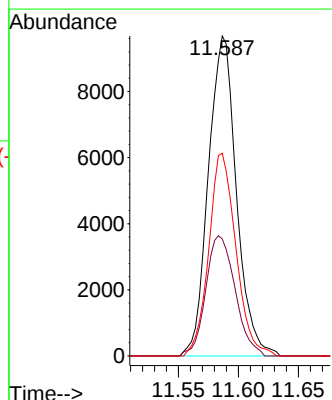
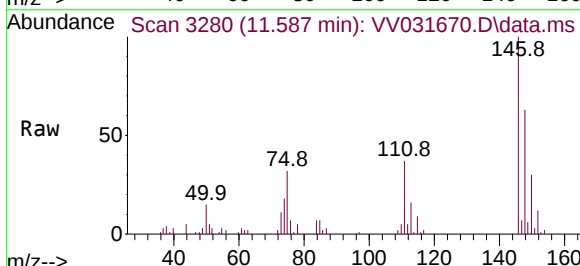
Tgt Ion:146 Resp: 15734

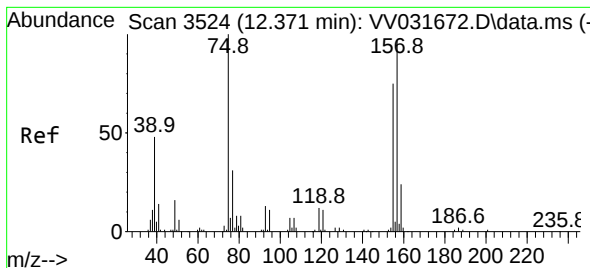
Ion Ratio Lower Upper

146 100

111 36.6 34.8 52.2

148 69.2 49.8 74.6

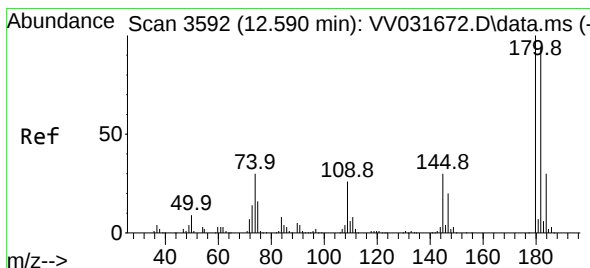
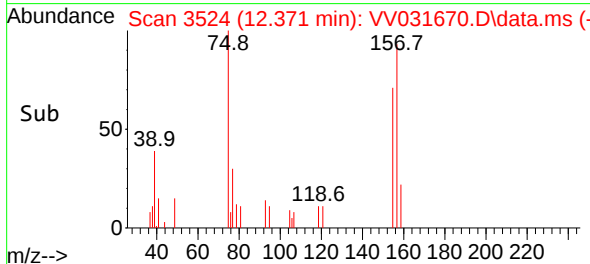
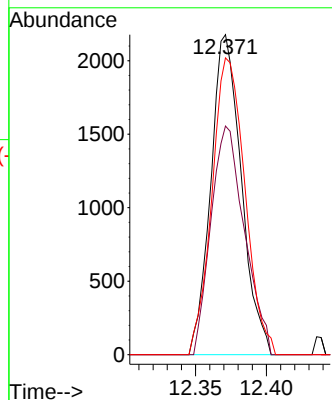
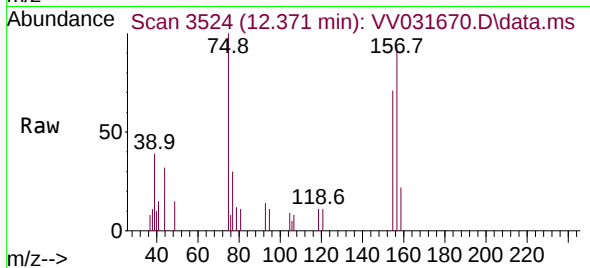




#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.315 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

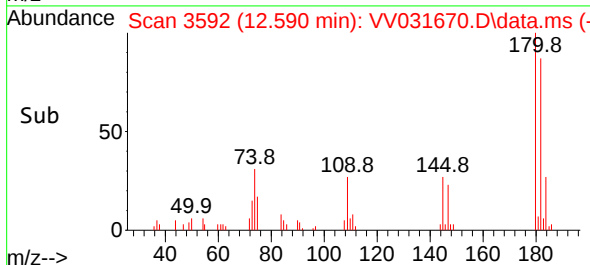
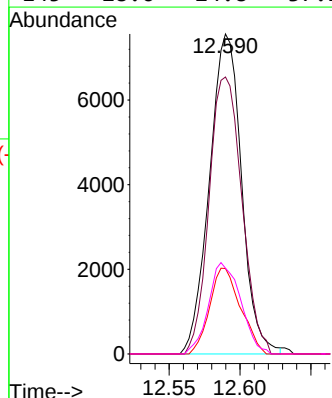
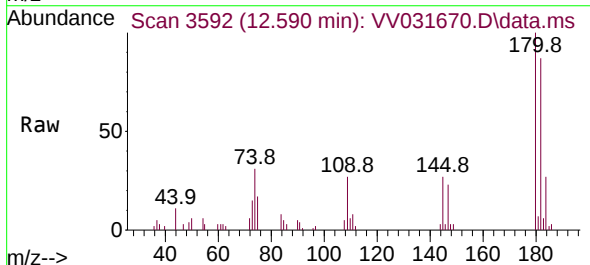
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005239

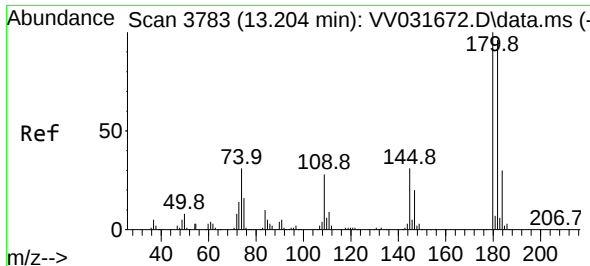
Tgt Ion: 75 Resp: 3260
 Ion Ratio Lower Upper
 75 100
 155 71.5 59.9 89.9
 157 92.7 77.6 116.4



#69
 1,3,5-Trichlorobenzene
 Concen: 3.858 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031670.D
 Acq: 11 Jul 2023 10:25

Tgt Ion: 180 Resp: 11929
 Ion Ratio Lower Upper
 180 100
 182 88.2 75.5 113.3
 184 25.8 23.7 35.5
 145 28.6 24.8 37.2

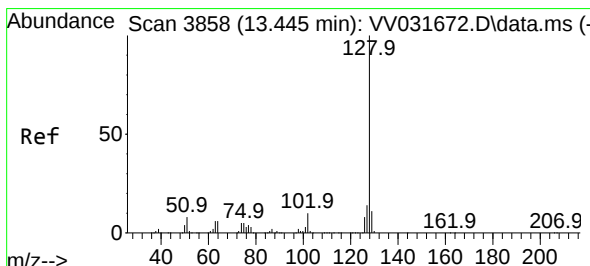
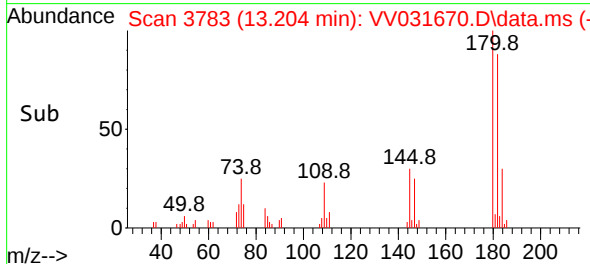
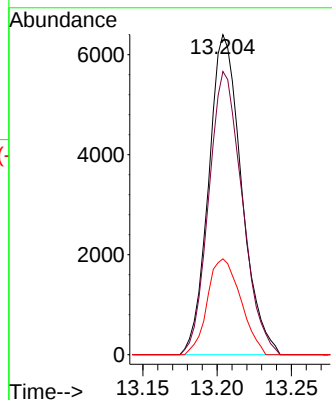
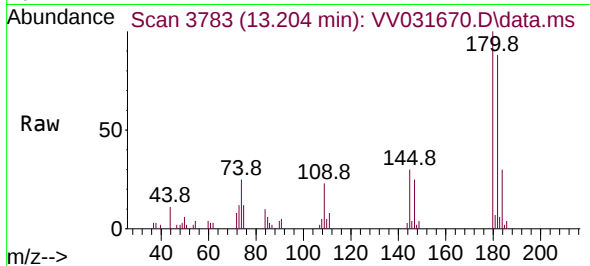




#70
1,2,4-trichlorobenzene
Concen: 3.655 ug/L
RT: 13.204 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

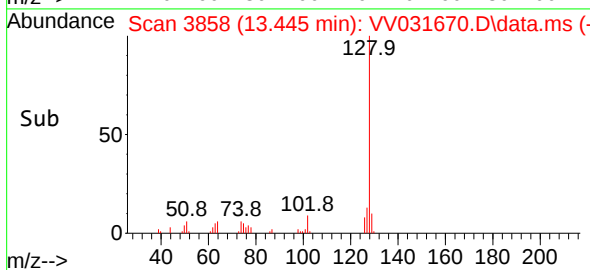
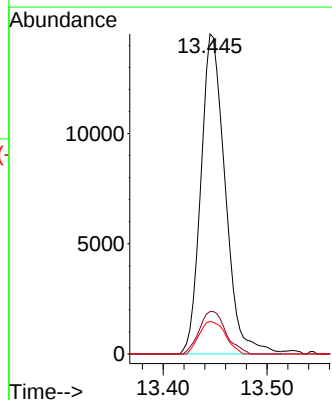
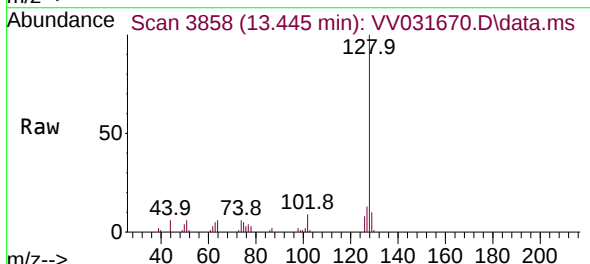
Instrument :
MSVOA_V
ClientSampleId :
VSTD005239

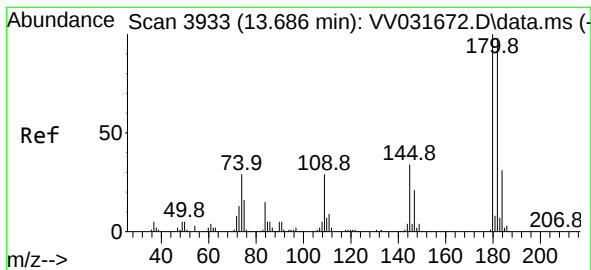
Tgt Ion:180 Resp: 9863
Ion Ratio Lower Upper
180 100
182 90.0 76.6 114.8
145 30.3 25.4 38.2



#71
Naphthalene
Concen: 3.397 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031670.D
Acq: 11 Jul 2023 10:25

Tgt Ion:128 Resp: 23573
Ion Ratio Lower Upper
128 100
127 14.5 11.0 16.4
129 11.0 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 3.614 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031670.D

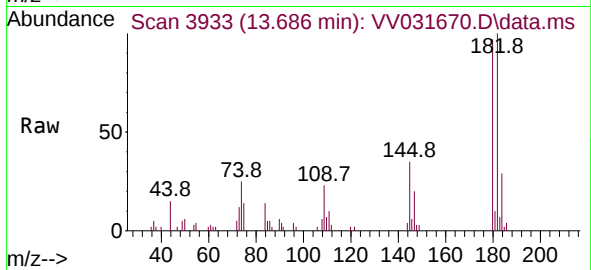
Acq: 11 Jul 2023 10:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD005239



Tgt Ion:180 Resp: 10129

Ion Ratio Lower Upper

180 100

182 97.3 76.7 115.1

145 36.6 27.7 41.5

