

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031023\
 Data File : VW030169.D
 Acq On : 10 Mar 2023 20:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

Quant Time: Mar 11 00:12:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 11 00:01:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	153172	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	150381	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	93505	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	30495	3.077	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.600%
7) Chloroethane-d5	1.539	69	37351	4.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.069	63	76244	3.742	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.821	46	102428	56.055	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.100%
24) Chloroform-d	4.262	84	100012	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	4.956	65	41762	5.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	4.973	84	162820	4.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	5.998	67	55510	4.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.252	98	153901	4.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.561	79	18018	4.326	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.037	63	92988	53.967	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.940%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	50382	5.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	69466	4.391	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	54993	4.413	ug/L	98
3) Chloromethane	1.217	50	75857	3.863	ug/L	97
5) Vinyl chloride	1.288	62	56557	4.333	ug/L	98
6) Bromomethane	1.494	94	11687	4.989	ug/L	97
8) Chloroethane	1.555	64	36280	4.563	ug/L	99
9) Trichlorofluoromethane	1.719	101	90420	4.829	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	56214	4.841	ug/L	99
12) 1,1-Dichloroethene	2.076	96	47131	4.585	ug/L	98
13) Acetone	2.153	43	56583	41.896	ug/L #	46
14) Carbon disulfide	2.249	76	109428	3.979	ug/L	99
15) Methyl Acetate	2.391	43	13428	4.257	ug/L	95
16) Methylene chloride	2.455	84	50571	4.027	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	86323	4.294	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	42705	4.367	ug/L	99
19) 1,1-Dichloroethane	3.121	63	86555	4.752	ug/L	99
21) 2-Butanone	3.905	43	78096	42.996	ug/L	99
22) cis-1,2-Dichloroethene	3.828	96	46502	4.302	ug/L	99
23) Bromochloromethane	4.162	128	23563	5.102	ug/L	94
25) Chloroform	4.288	83	94238	4.973	ug/L	98

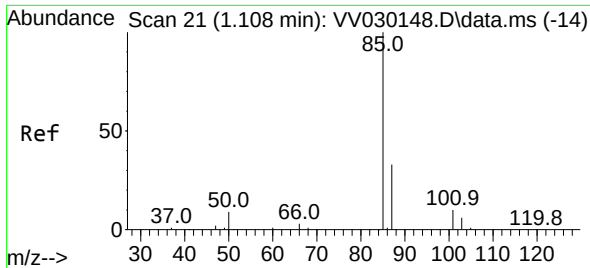
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031023\
 Data File : VW030169.D
 Acq On : 10 Mar 2023 20:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

Quant Time: Mar 11 00:12:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 11 00:01:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	48349	4.878	ug/L	98
29) 1,1,1-Trichloroethane	4.522	97	83962	4.753	ug/L	99
30) Cyclohexane	4.596	56	54777	3.589	ug/L	98
31) Carbon tetrachloride	4.747	117	75543	4.758	ug/L	98
33) Benzene	5.021	78	183386	4.465	ug/L	100
34) Trichloroethene	5.844	95	48950	4.254	ug/L	99
35) Methylcyclohexane	6.063	83	66182	3.800	ug/L	100
37) 1,2-Dichloropropane	6.104	63	49418	4.730	ug/L	100
38) Bromodichloromethane	6.442	83	64330	4.823	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	61479	4.019	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	195308	45.299	ug/L	100
42) Toluene	7.323	91	205454	4.619	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	53630	4.492	ug/L	99
45) 1,1,2-Trichloroethane	7.779	97	37229	4.980	ug/L	99
47) Tetrachloroethene	7.915	164	50630	5.125	ug/L	98
48) 2-Hexanone	8.088	43	145659	47.191	ug/L	99
49) Dibromochloromethane	8.185	129	44534	5.090	ug/L	99
50) 1,2-Dibromoethane	8.291	107	33441	4.794	ug/L	99
51) Chlorobenzene	8.821	112	136136	4.538	ug/L	100
52) Ethylbenzene	8.956	91	207038	4.277	ug/L	99
53) m,p-Xylene	9.082	106	83525	4.489	ug/L	98
54) o-Xylene	9.487	106	76762	4.319	ug/L	99
55) Styrene	9.503	104	138298	4.679	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	43318	5.180	ug/L	98
59) Bromoform	9.673	173	26346	4.701	ug/L	99
60) Isopropylbenzene	9.876	105	217380	4.040	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	28393	4.537	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	171793	3.887	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	176893	3.913	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	121975	4.354	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	124567	4.407	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	112266	4.539	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6029	4.314	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	94052	4.084	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	70969	3.804	ug/L	98
71) Naphthalene	13.448	128	87826	3.602	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	62341	4.059	ug/L	99

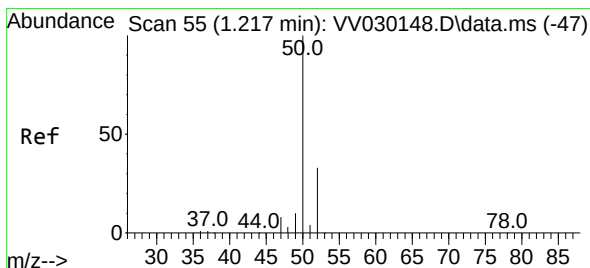
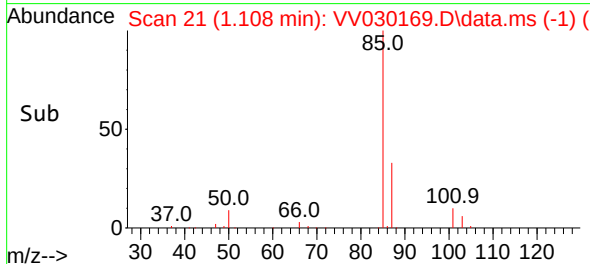
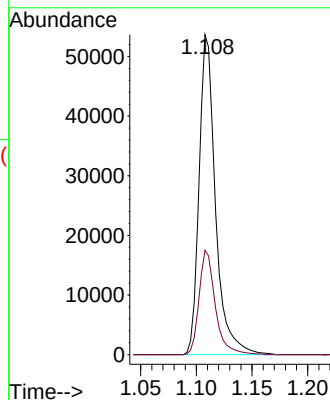
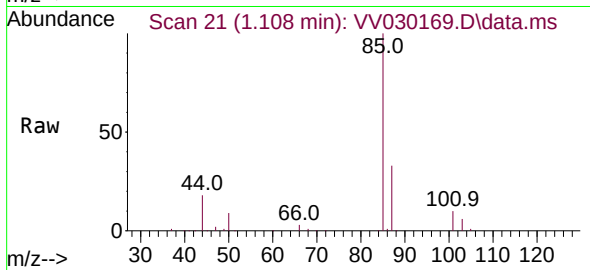
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.413 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

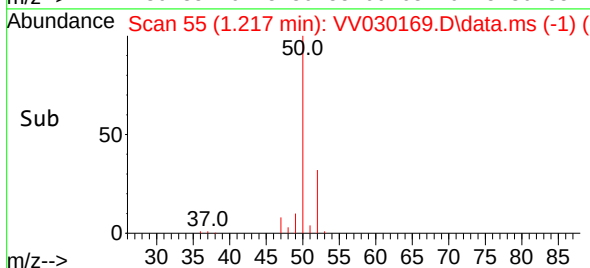
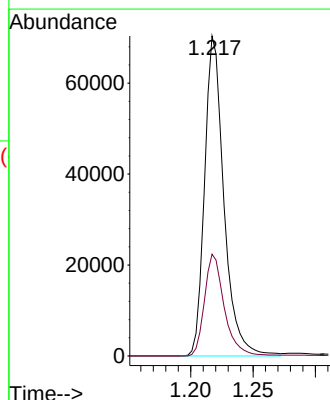
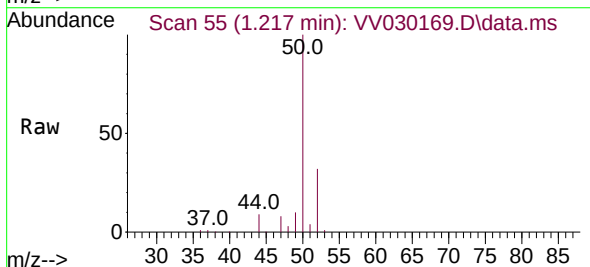
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

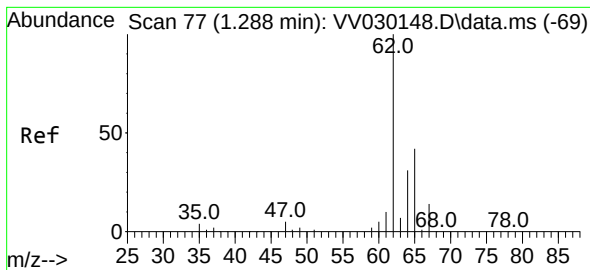
Tgt Ion: 85 Resp: 54993
Ion Ratio Lower Upper
85 100
87 32.3 26.6 39.8



#3
Chloromethane
Concen: 3.863 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 50 Resp: 75857
Ion Ratio Lower Upper
50 100
52 31.8 23.6 43.8

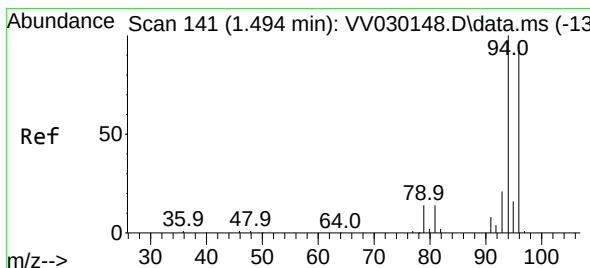
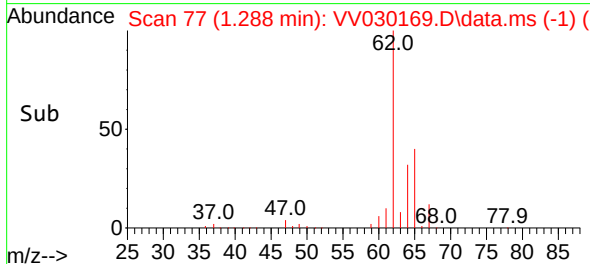
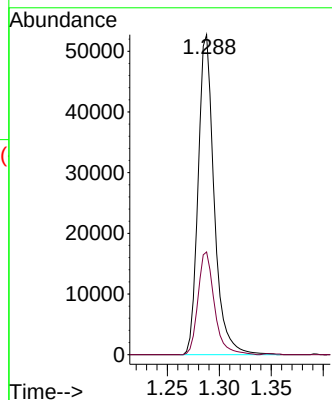
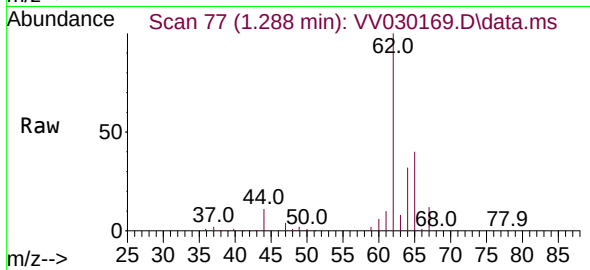




#5
 Vinyl chloride
 Concen: 4.333 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

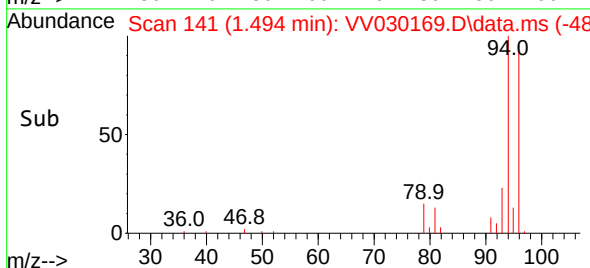
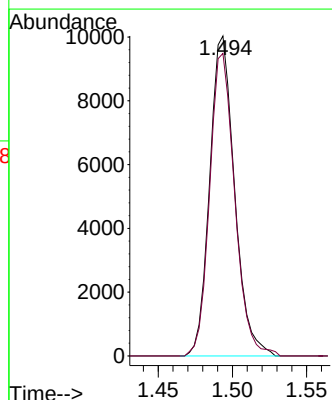
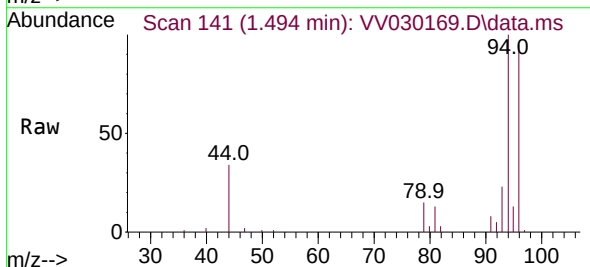
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

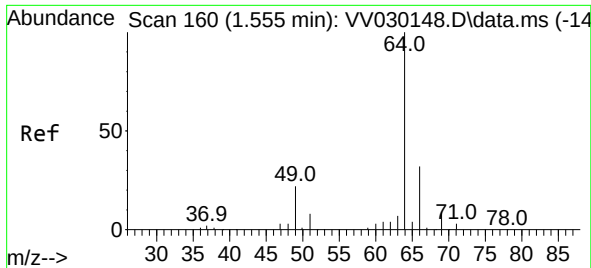
Tgt Ion: 62 Resp: 56557
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.1 42.9



#6
 Bromomethane
 Concen: 4.989 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

Tgt Ion: 94 Resp: 11687
 Ion Ratio Lower Upper
 94 100
 96 94.5 68.4 127.0

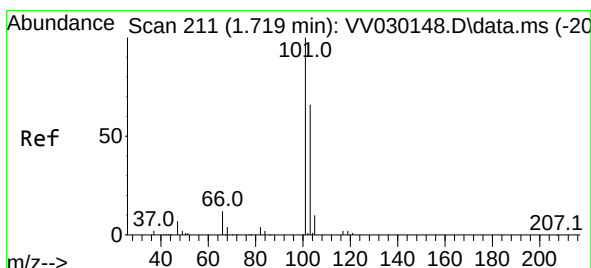
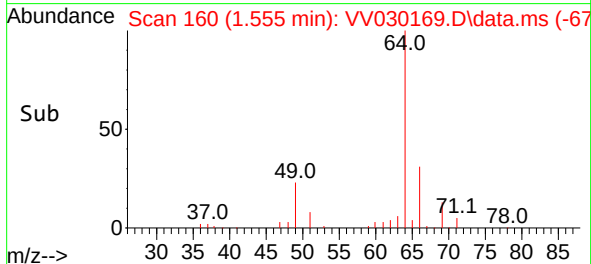
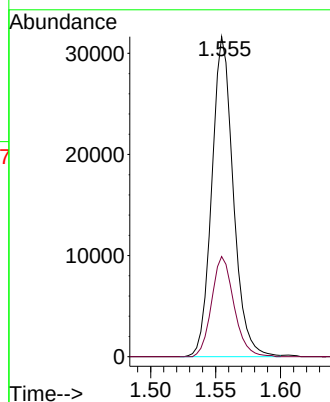
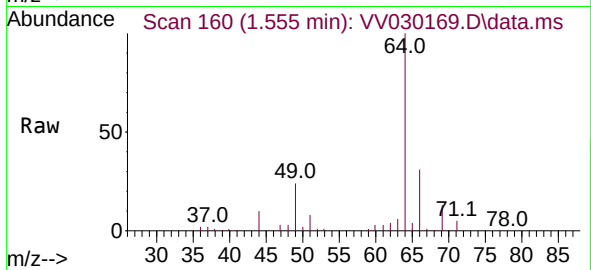




#8
Chloroethane
Concen: 4.563 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

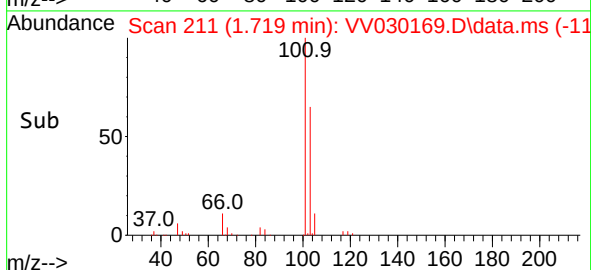
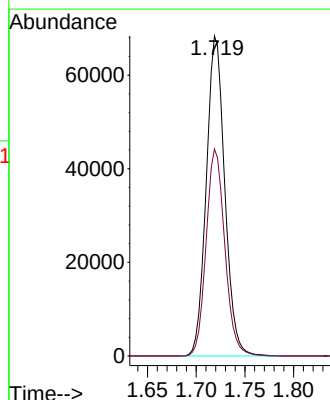
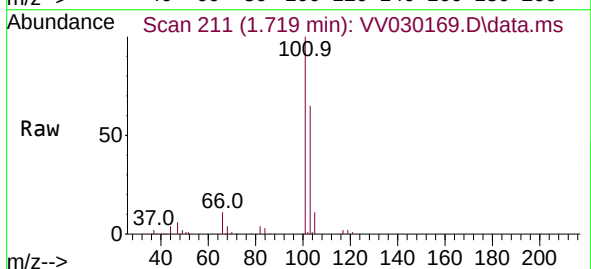
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

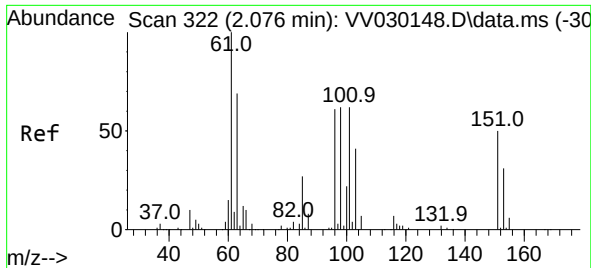
Tgt Ion: 64 Resp: 36280
Ion Ratio Lower Upper
64 100
66 31.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.829 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:101 Resp: 90420
Ion Ratio Lower Upper
101 100
103 65.2 52.7 79.1

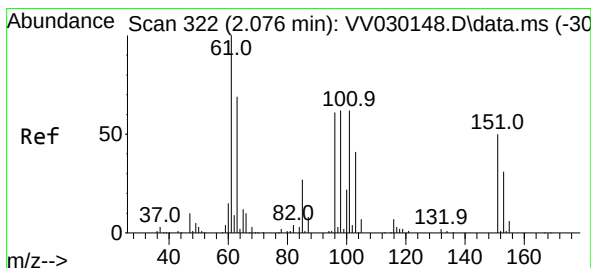
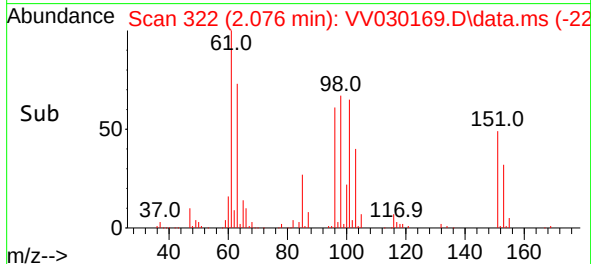
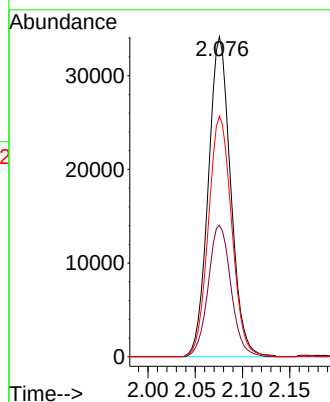
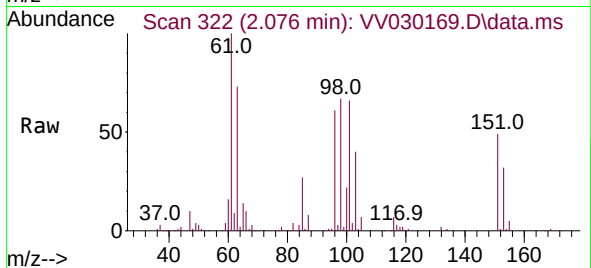




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.841 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

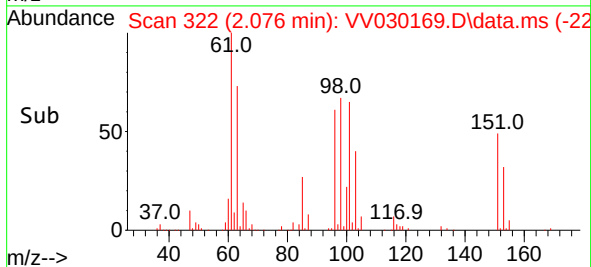
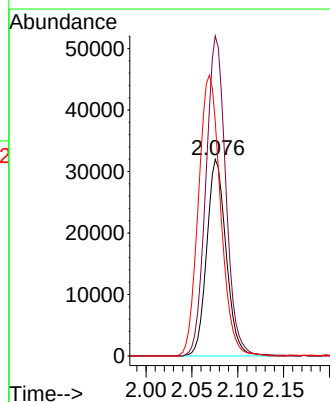
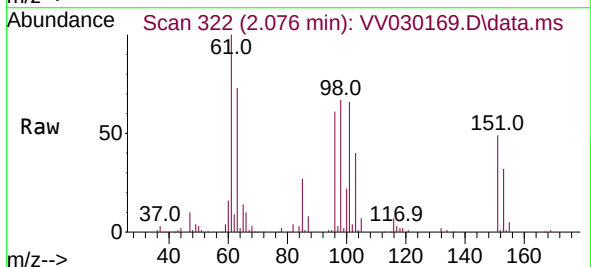
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

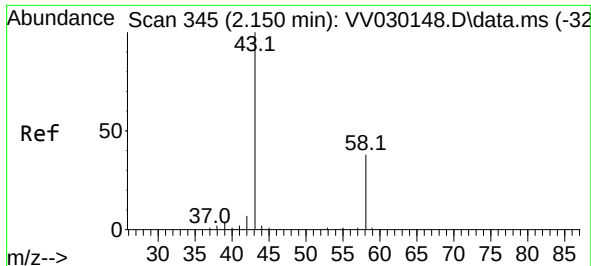
Tgt Ion:101 Resp: 56214
 Ion Ratio Lower Upper
 101 100
 85 41.8 33.5 50.3
 151 78.4 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.585 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

Tgt Ion: 96 Resp: 47131
 Ion Ratio Lower Upper
 96 100
 61 162.8 115.6 214.6
 63 119.5 85.6 159.0





#13

Acetone

Concen: 41.896 ug/L

RT: 2.153 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

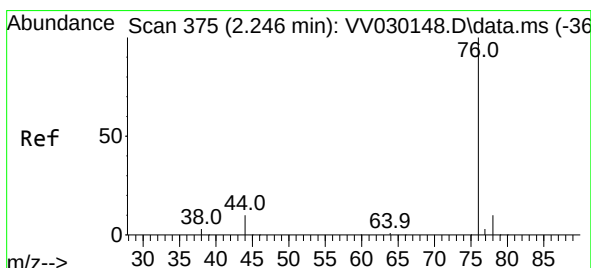
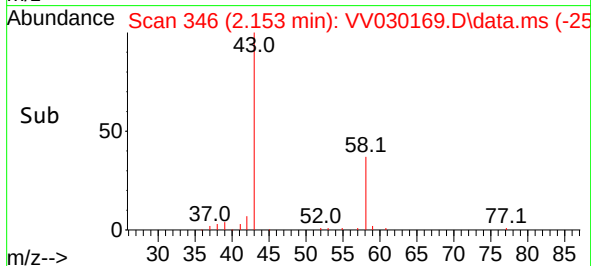
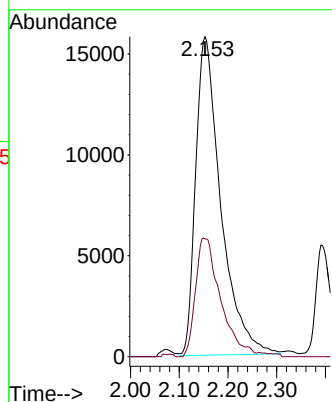
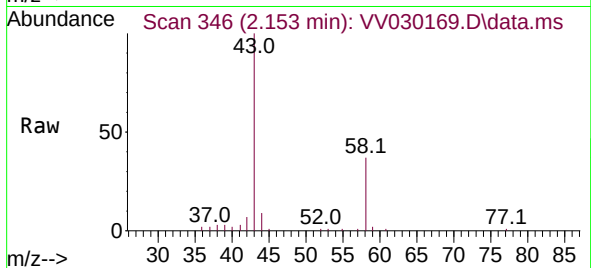
VSTD005297

Tgt Ion: 43 Resp: 56583

Ion Ratio Lower Upper

43 100

58 37.0 0.0 29.4#



#14

Carbon disulfide

Concen: 3.979 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030169.D

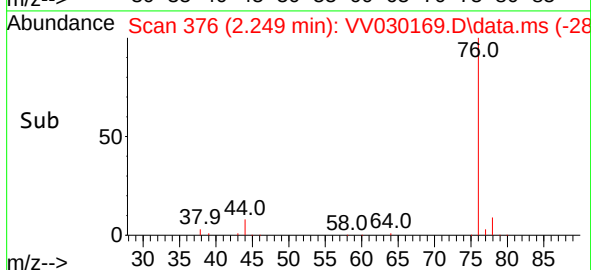
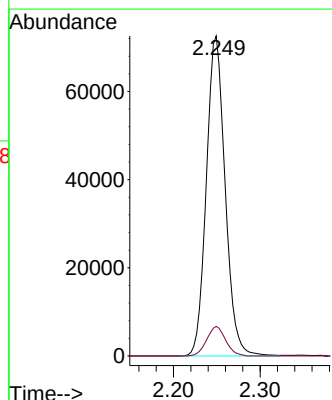
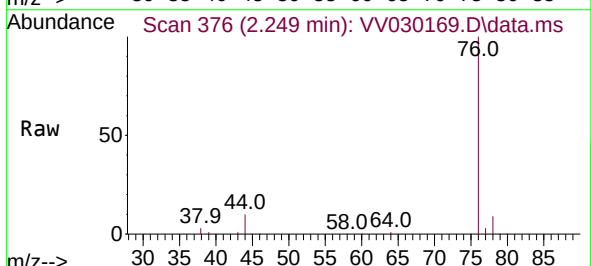
Acq: 10 Mar 2023 20:53

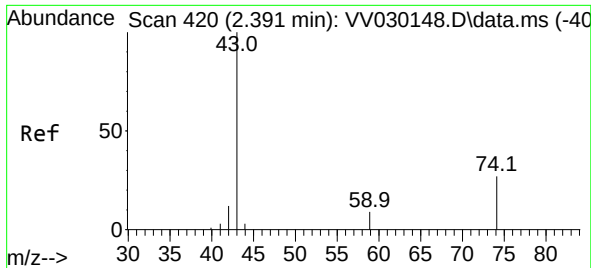
Tgt Ion: 76 Resp: 109428

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

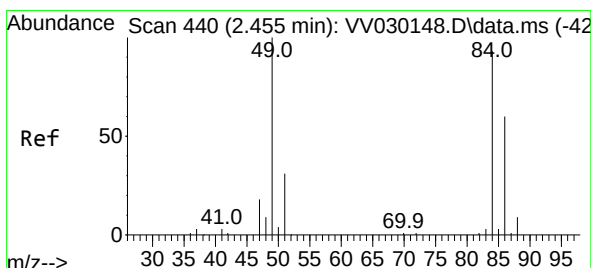
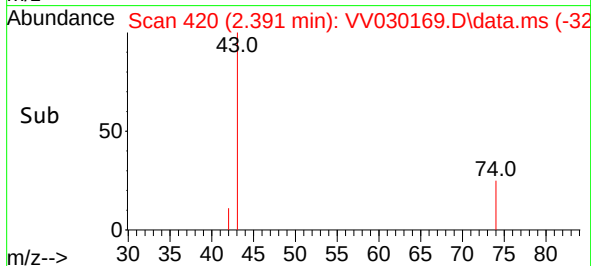
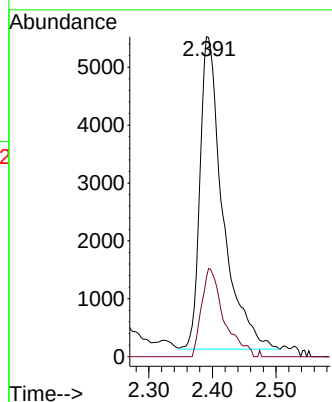
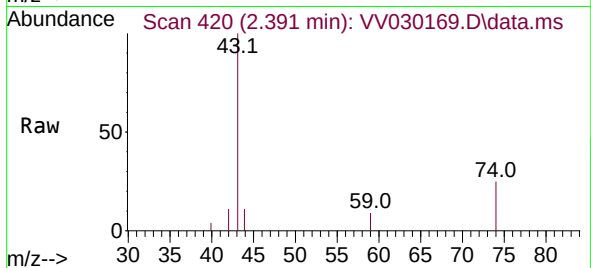




#15
Methyl Acetate
Concen: 4.257 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

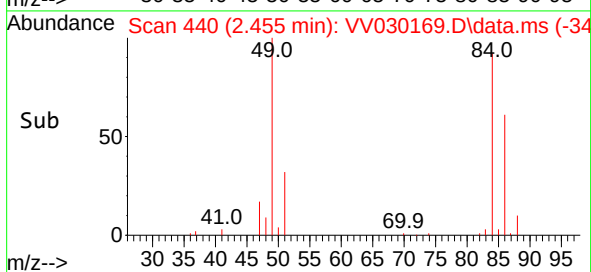
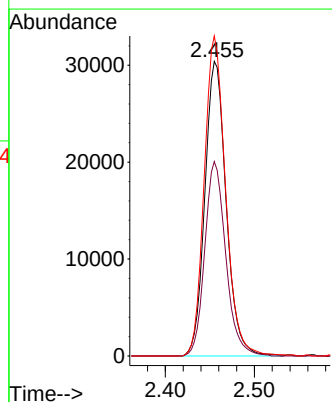
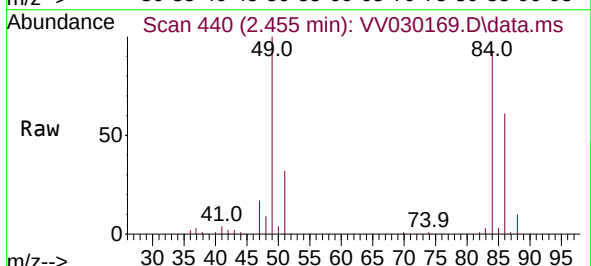
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

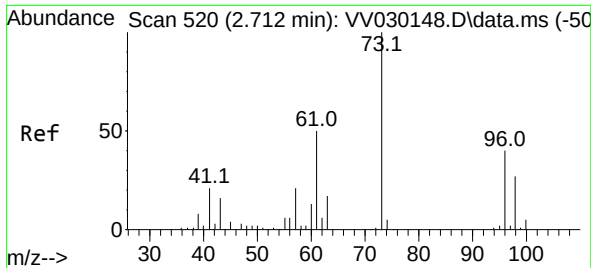
Tgt Ion: 43 Resp: 13428
Ion Ratio Lower Upper
43 100
74 27.4 20.1 30.1



#16
Methylene chloride
Concen: 4.027 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 84 Resp: 50571
Ion Ratio Lower Upper
84 100
86 66.0 44.7 83.1
49 108.7 78.8 146.3

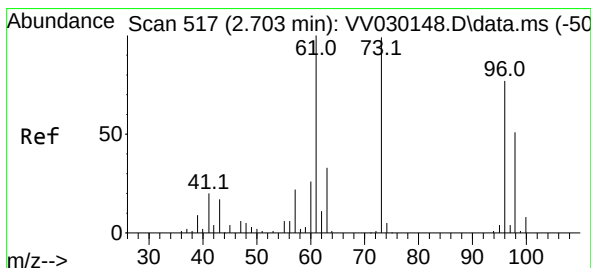
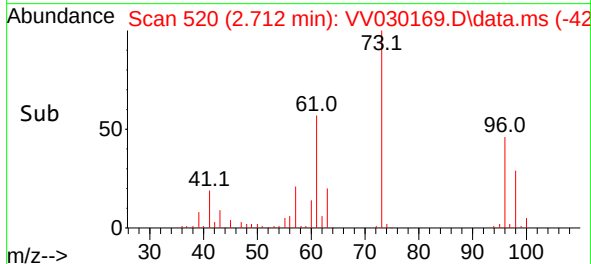
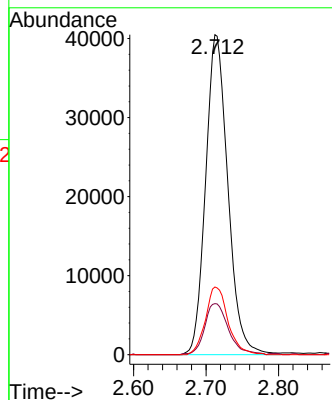
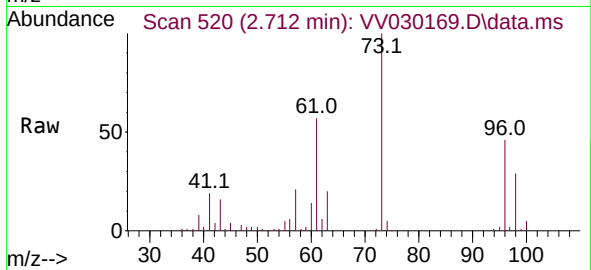




#17
Methyl tert-butyl Ether
Concen: 4.294 ug/L
RT: 2.712 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

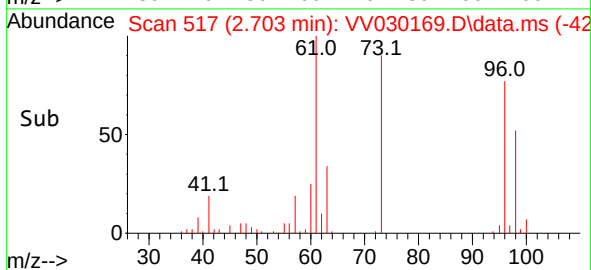
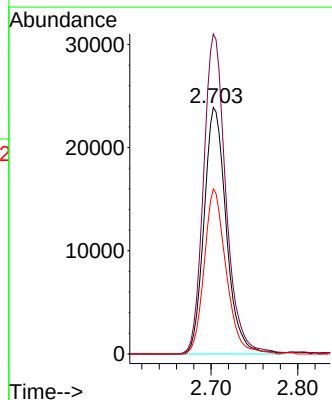
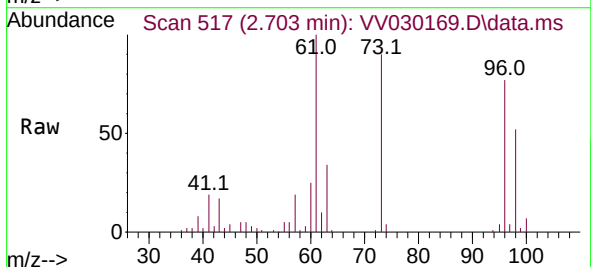
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

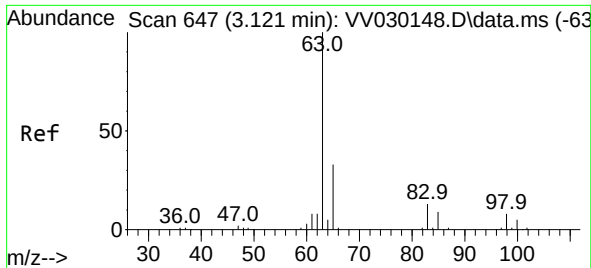
Tgt Ion: 73 Resp: 86323
Ion Ratio Lower Upper
73 100
43 17.1 13.4 20.2
57 21.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.367 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 96 Resp: 42705
Ion Ratio Lower Upper
96 100
61 129.8 91.0 169.0
98 66.9 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.752 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

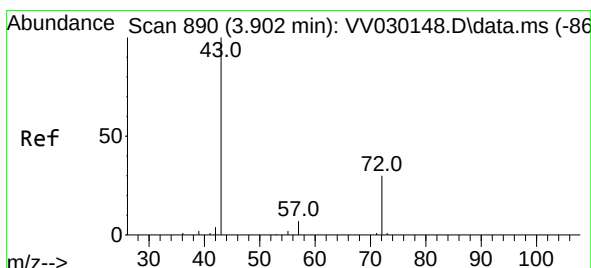
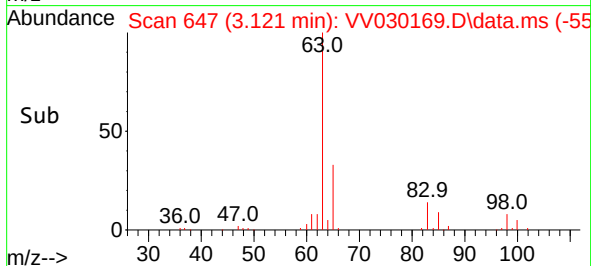
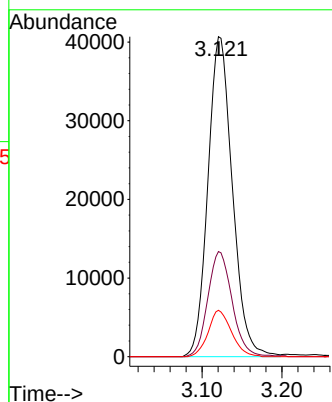
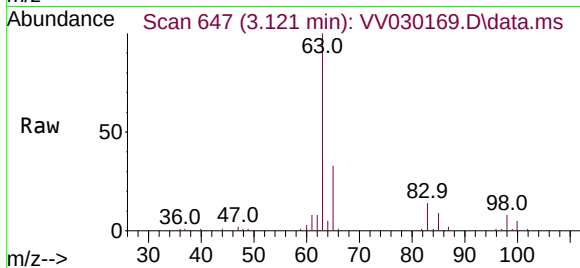
Tgt Ion: 63 Resp: 86555

Ion Ratio Lower Upper

63 100

65 32.8 23.0 42.8

83 14.5 9.6 17.8



#21

2-Butanone

Concen: 42.996 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV030169.D

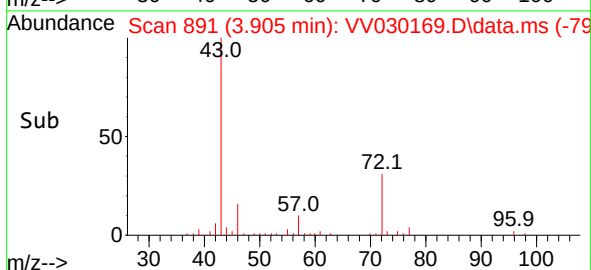
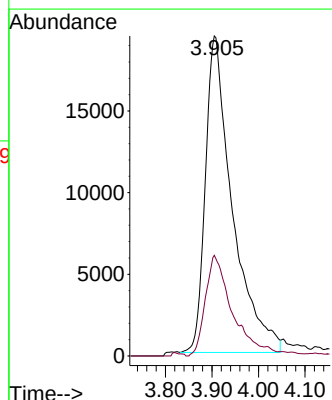
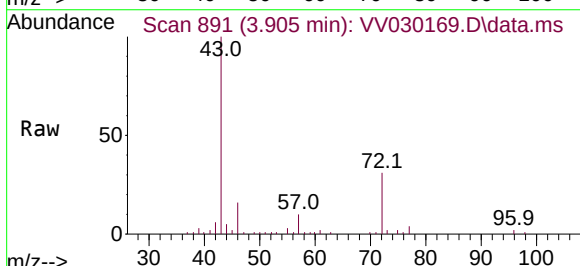
Acq: 10 Mar 2023 20:53

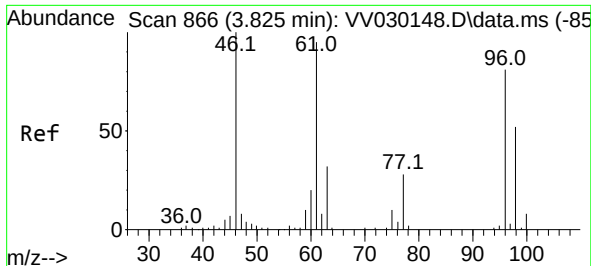
Tgt Ion: 43 Resp: 78096

Ion Ratio Lower Upper

43 100

72 30.8 15.1 45.3

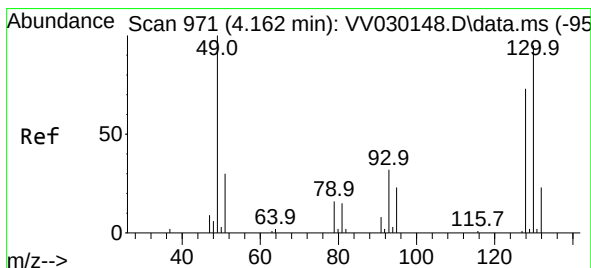
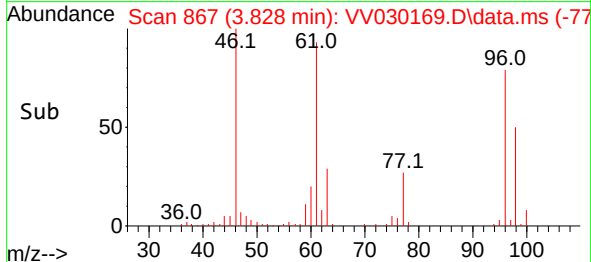
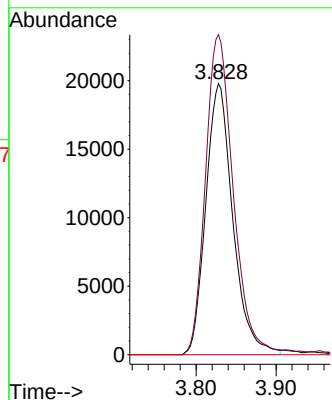
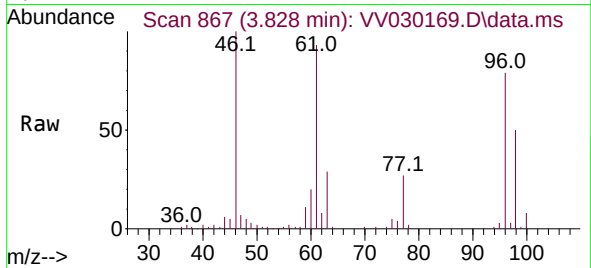




#22
 cis-1,2-Dichloroethene
 Concen: 4.302 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

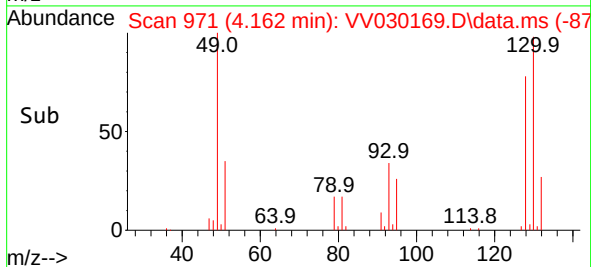
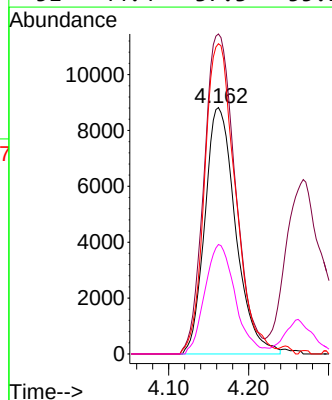
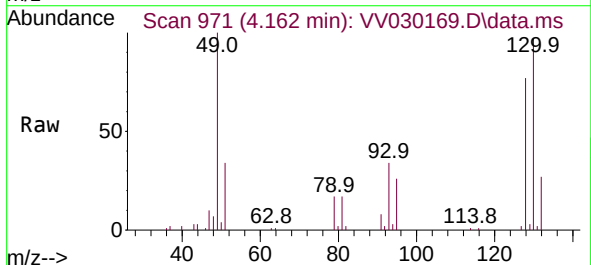
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

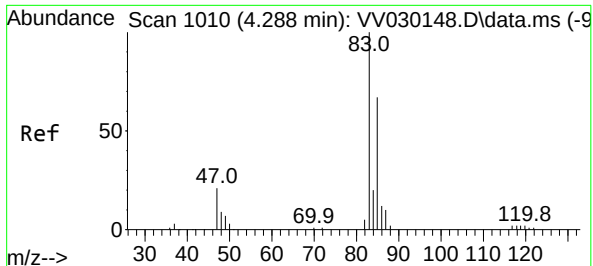
Tgt Ion: 96 Resp: 46502
 Ion Ratio Lower Upper
 96 100
 61 118.0 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.102 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

Tgt Ion: 128 Resp: 23563
 Ion Ratio Lower Upper
 128 100
 49 129.9 99.5 184.9
 130 125.9 90.5 168.1
 51 44.4 37.3 55.9





#25

Chloroform

Concen: 4.973 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

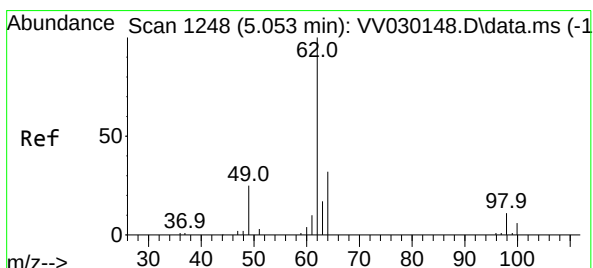
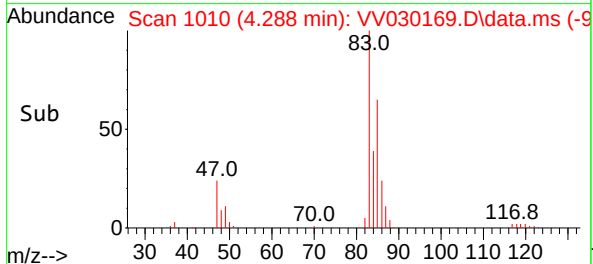
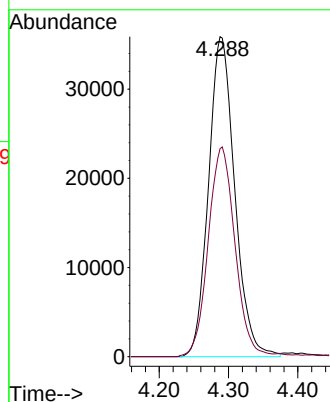
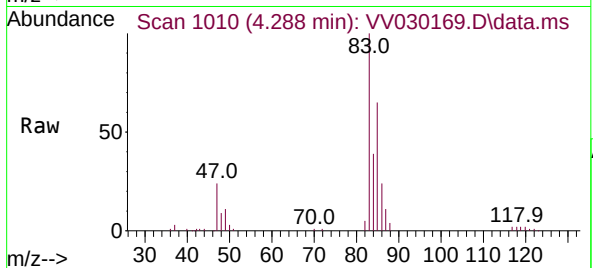
VSTD005297

Tgt Ion: 83 Resp: 94238

Ion Ratio Lower Upper

83 100

85 65.0 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.878 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VV030169.D

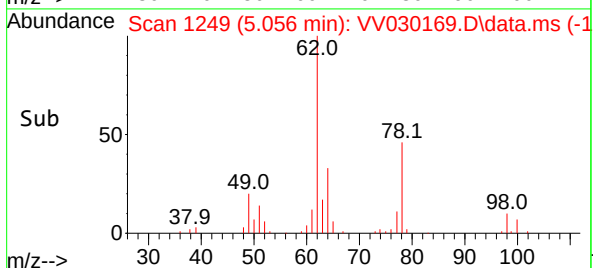
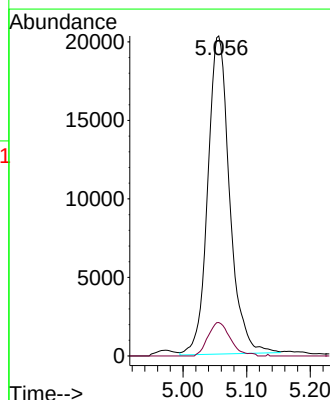
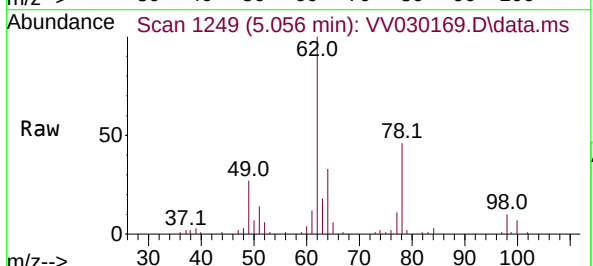
Acq: 10 Mar 2023 20:53

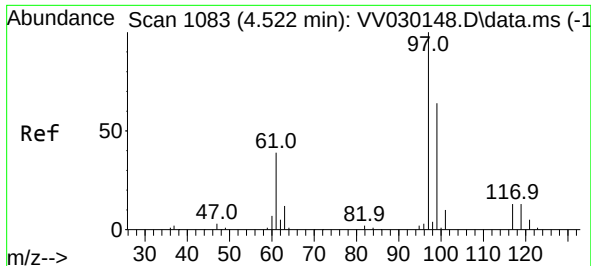
Tgt Ion: 62 Resp: 48349

Ion Ratio Lower Upper

62 100

98 10.4 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.753 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

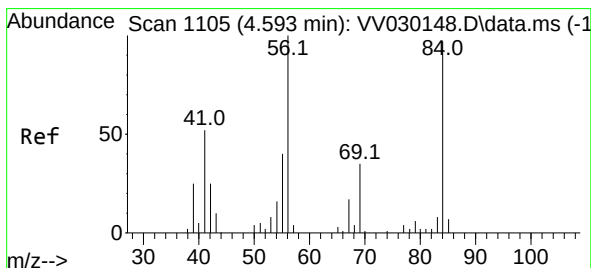
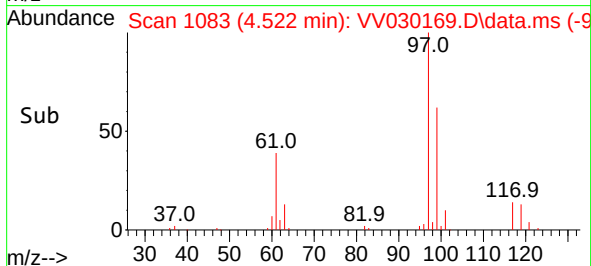
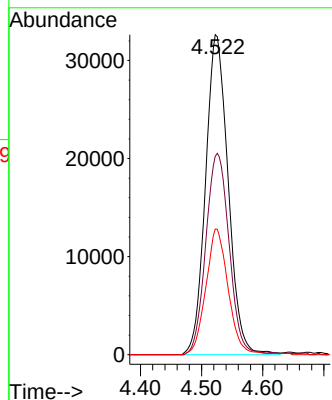
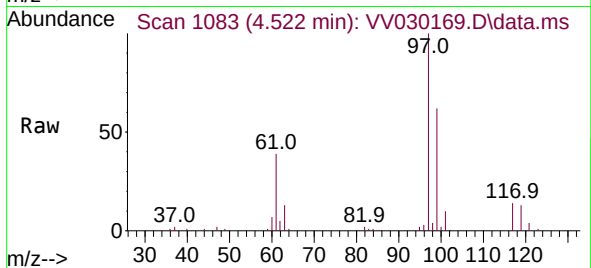
Tgt Ion: 97 Resp: 83962

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 38.7 31.5 47.3



#30

Cyclohexane

Concen: 3.589 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

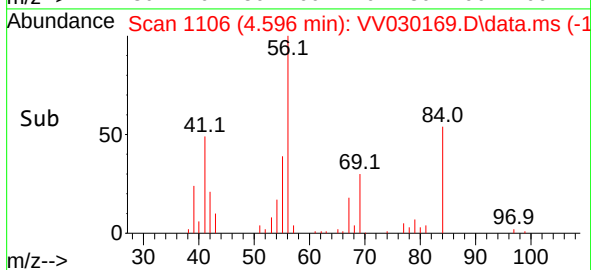
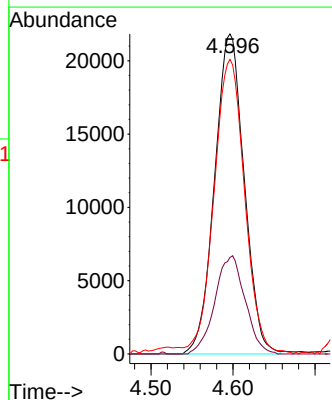
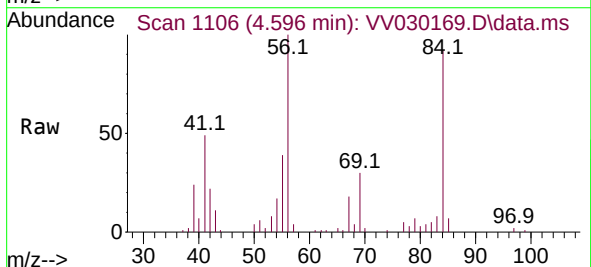
Tgt Ion: 56 Resp: 54777

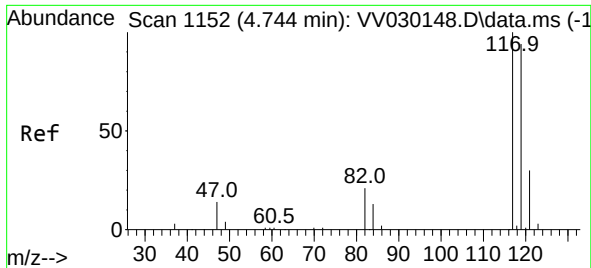
Ion Ratio Lower Upper

56 100

69 31.3 25.1 37.7

84 95.3 74.6 111.8

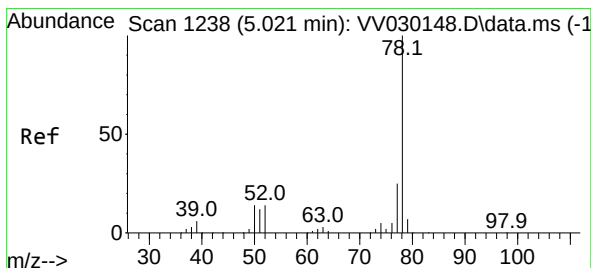
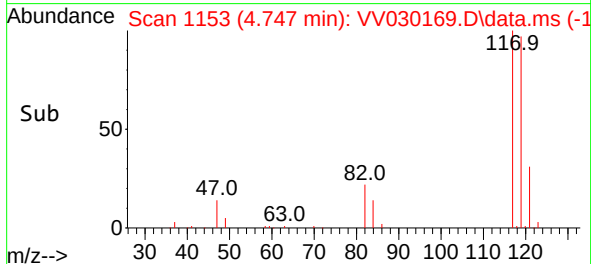
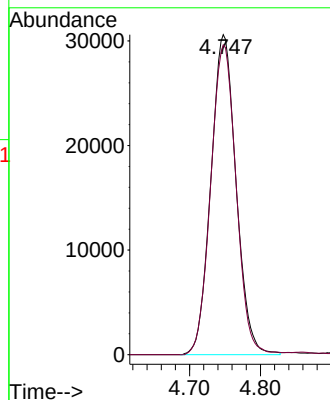
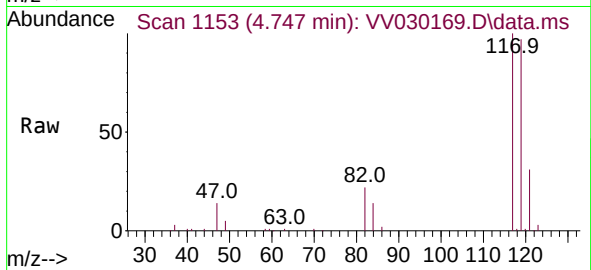




#31
Carbon tetrachloride
Concen: 4.758 ug/L
RT: 4.747 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

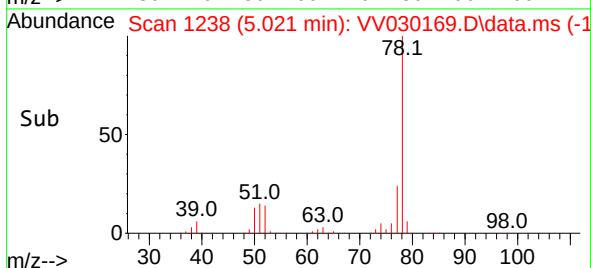
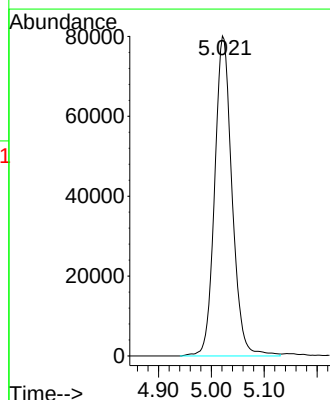
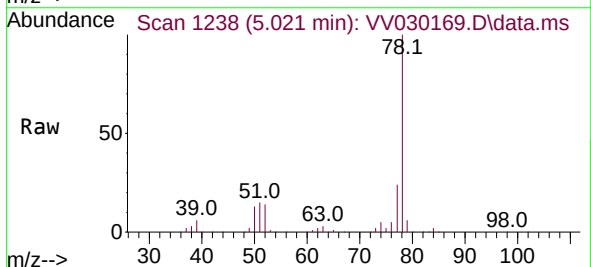
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

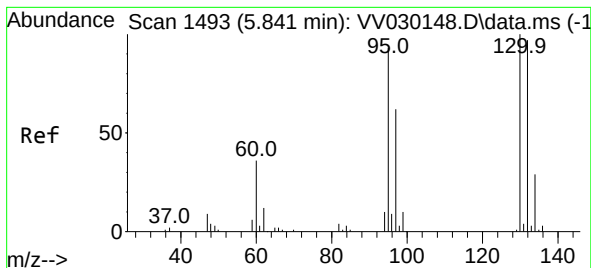
Tgt Ion:117 Resp: 75543
Ion Ratio Lower Upper
117 100
119 97.3 76.1 114.1



#33
Benzene
Concen: 4.465 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 78 Resp: 183386





#34

Trichloroethene

Concen: 4.254 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

Tgt Ion: 95 Resp: 48950

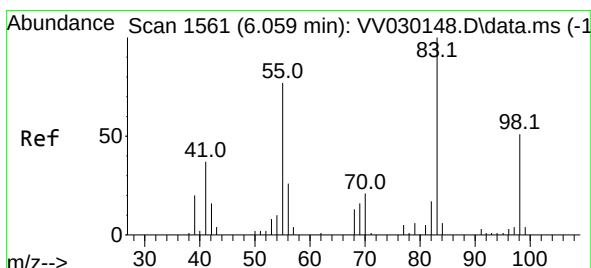
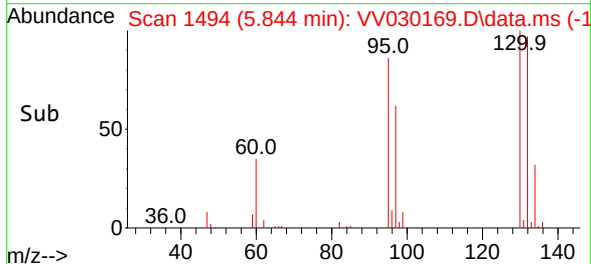
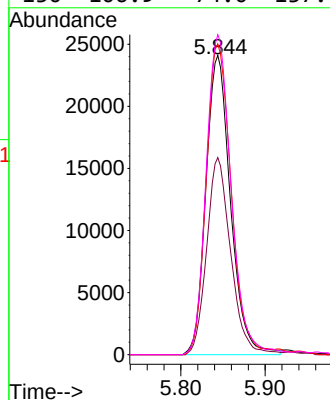
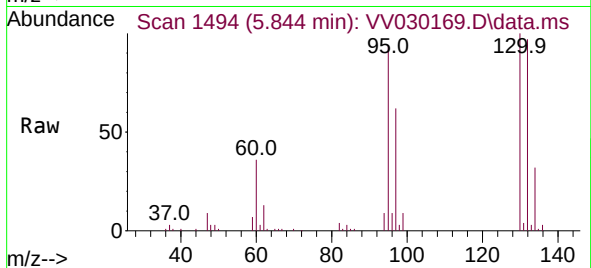
Ion Ratio Lower Upper

95 100

97 65.9 46.5 86.5

132 103.9 71.7 133.3

130 106.9 74.0 137.4



#35

Methylcyclohexane

Concen: 3.800 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

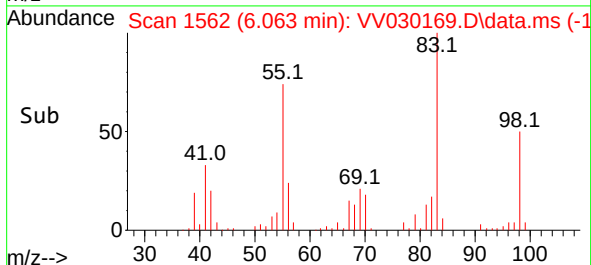
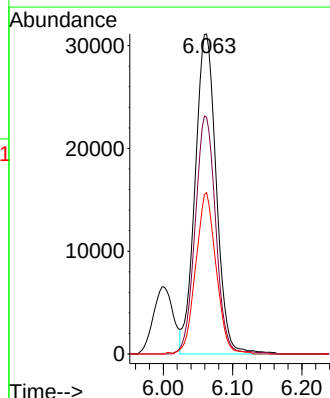
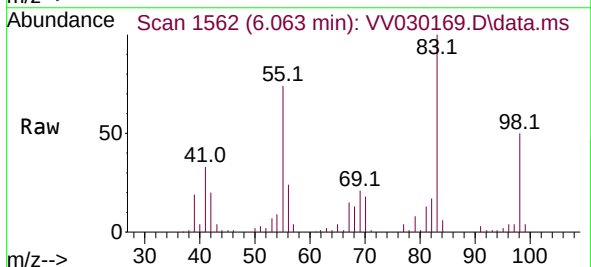
Tgt Ion: 83 Resp: 66182

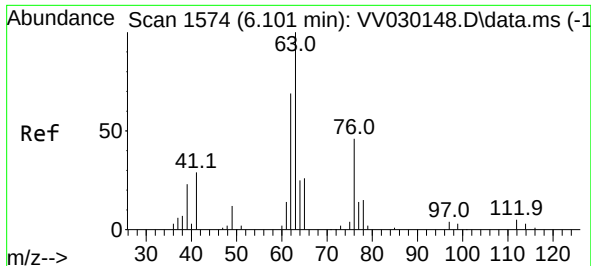
Ion Ratio Lower Upper

83 100

55 72.2 57.6 86.4

98 48.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.730 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

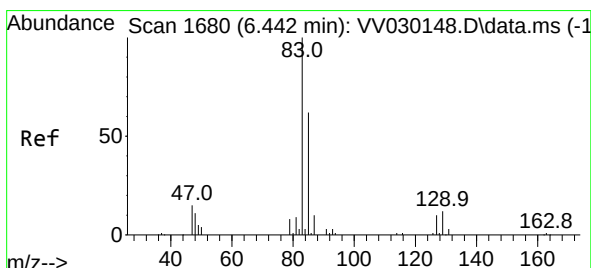
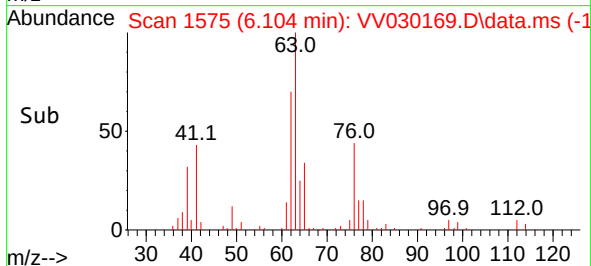
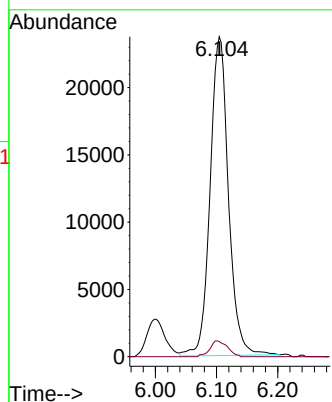
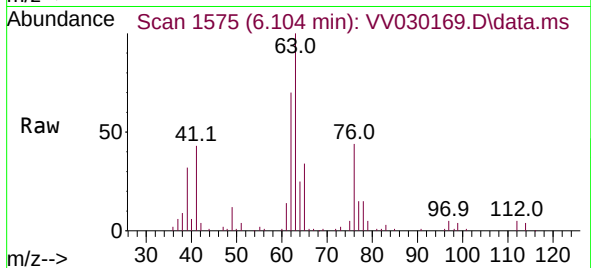
VSTD005297

Tgt Ion: 63 Resp: 49418

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 4.823 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

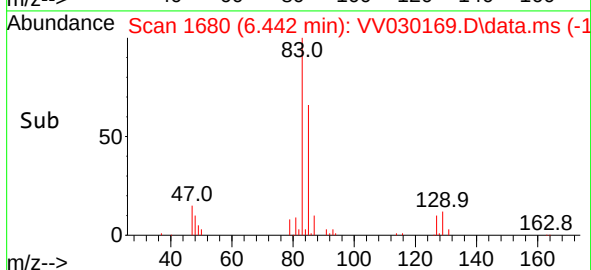
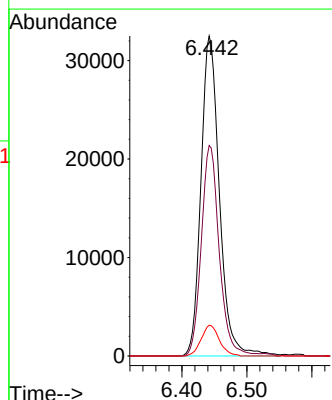
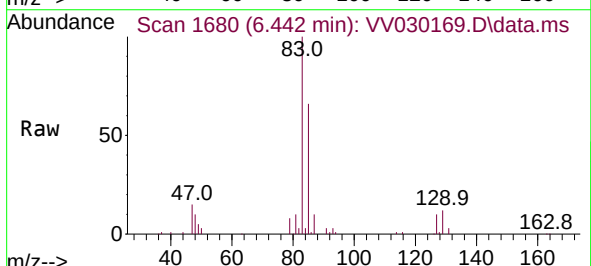
Tgt Ion: 83 Resp: 64330

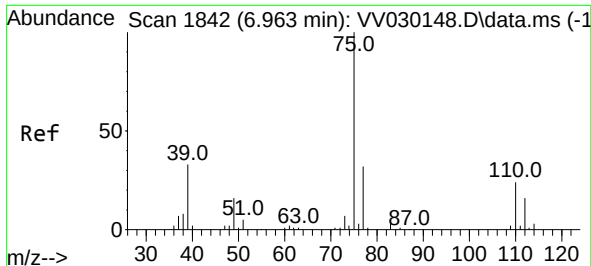
Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

127 9.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.019 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

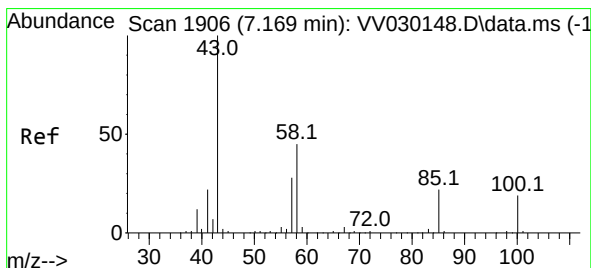
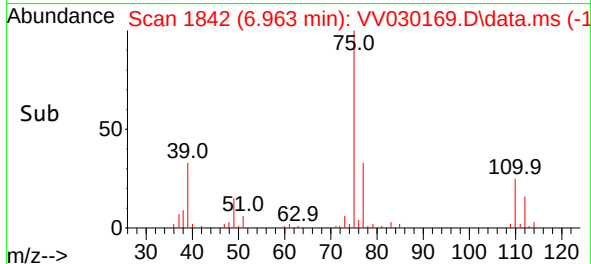
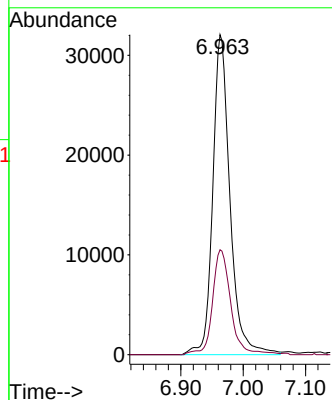
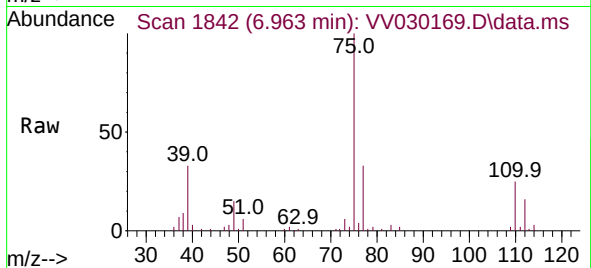
VSTD005297

Tgt Ion: 75 Resp: 61479

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 45.299 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

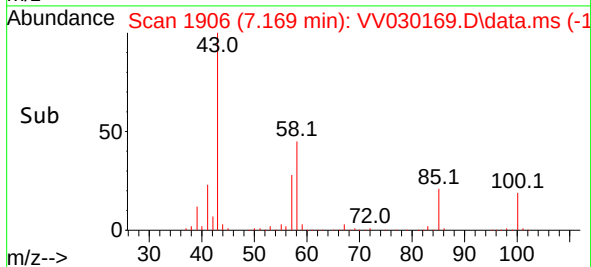
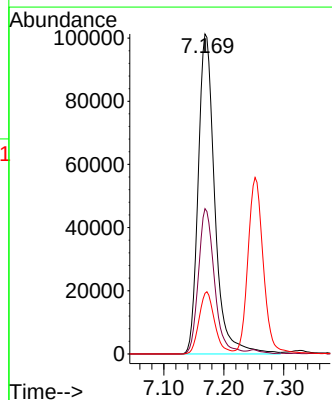
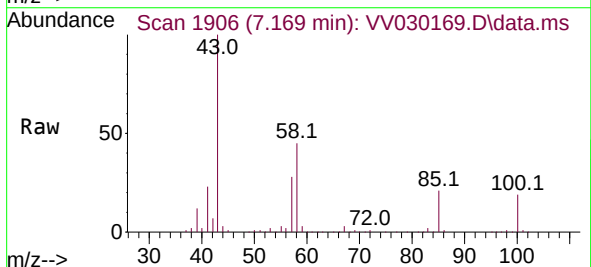
Tgt Ion: 43 Resp: 195308

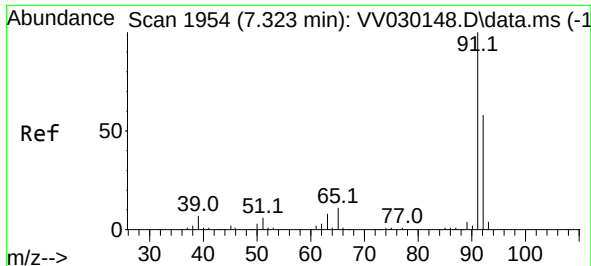
Ion Ratio Lower Upper

43 100

58 44.0 35.3 52.9

100 18.3 14.7 22.1





#42

Toluene

Concen: 4.619 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

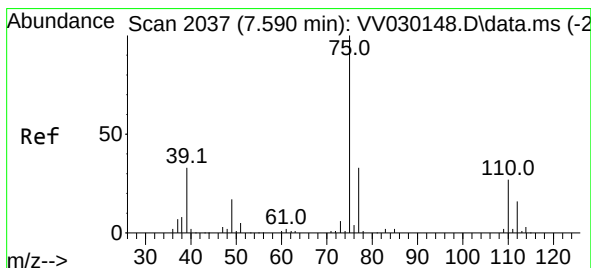
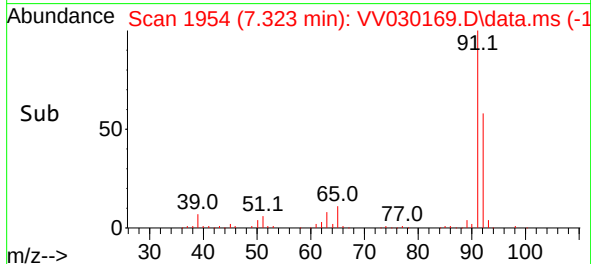
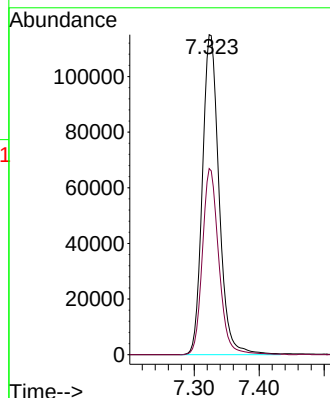
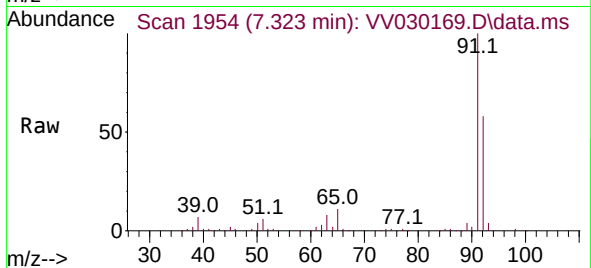
VSTD005297

Tgt Ion: 91 Resp: 205454

Ion Ratio Lower Upper

91 100

92 58.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.492 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030169.D

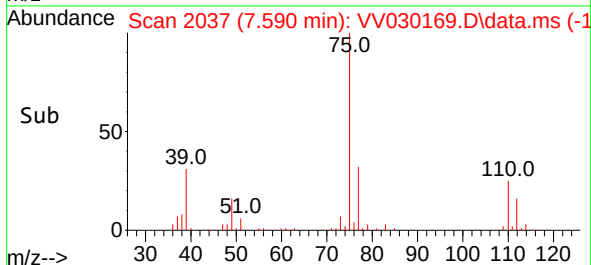
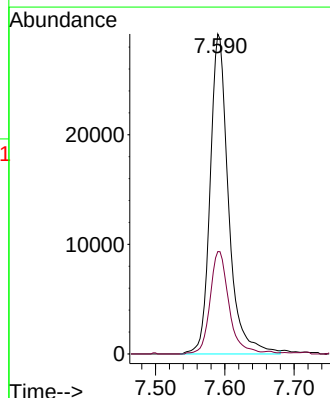
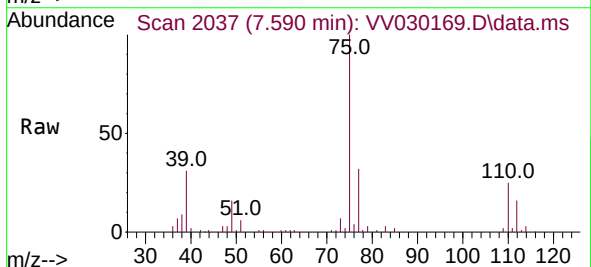
Acq: 10 Mar 2023 20:53

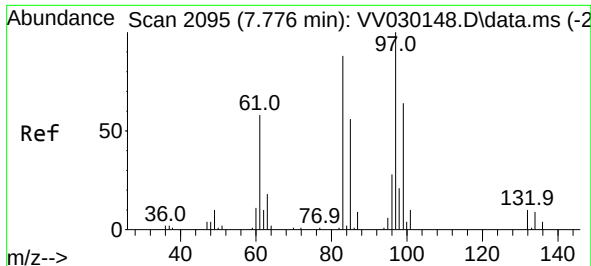
Tgt Ion: 75 Resp: 53630

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

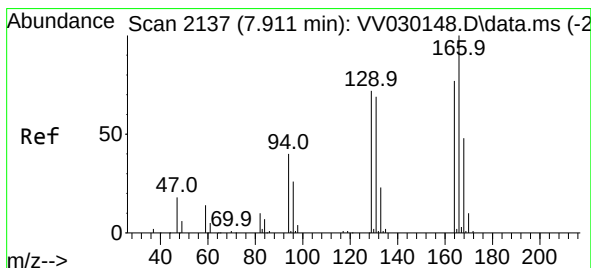
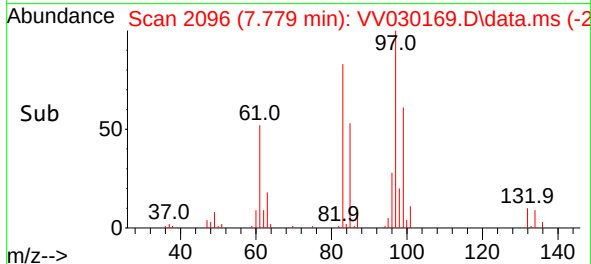
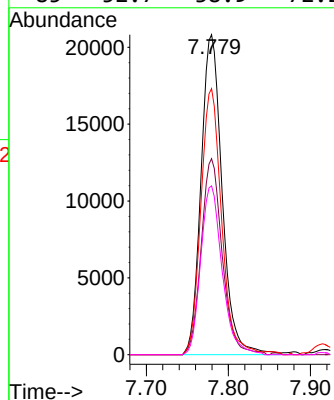
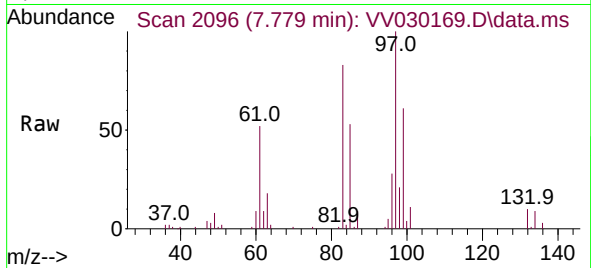




#45
1,1,2-Trichloroethane
Concen: 4.980 ug/L
RT: 7.779 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

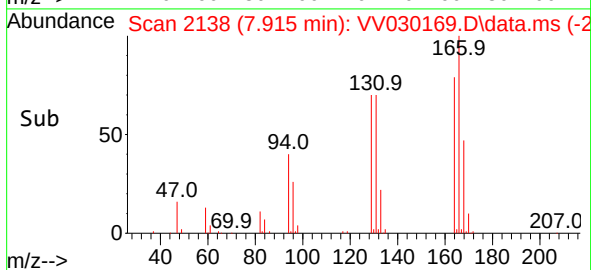
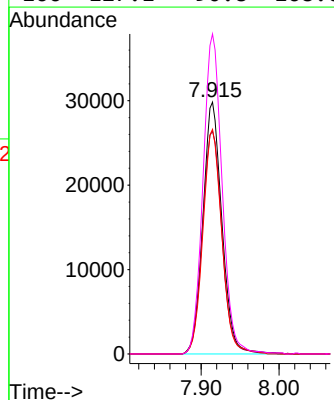
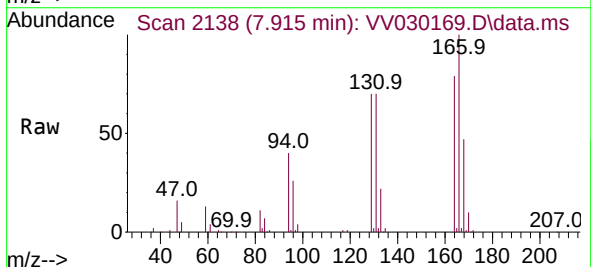
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

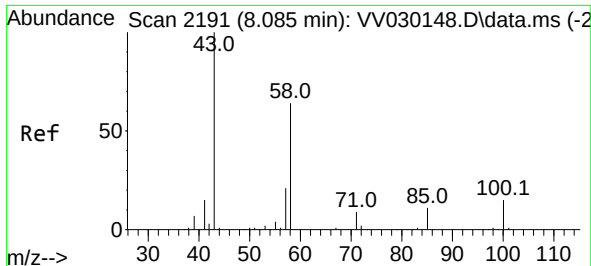
Tgt Ion:	97	Resp:	37229
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.6	79.2
83	83.1	57.7	107.3
85	52.7	38.9	72.2



#47
Tetrachloroethene
Concen: 5.125 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:	164	Resp:	50630
Ion	Ratio	Lower	Upper
164	100		
129	88.5	63.6	118.2
131	89.2	61.7	114.7
166	127.1	90.8	168.6

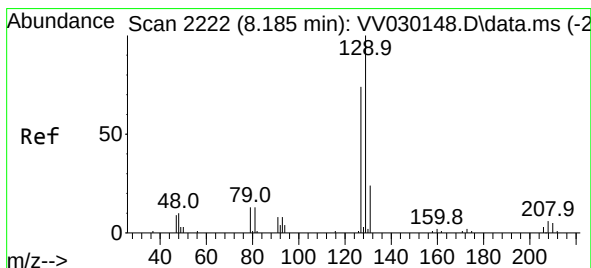
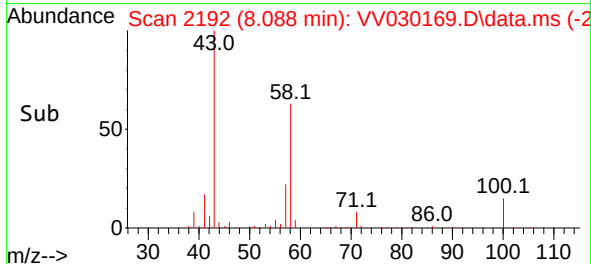
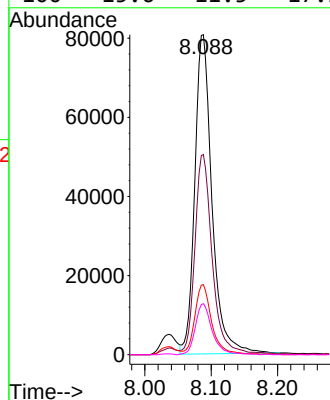
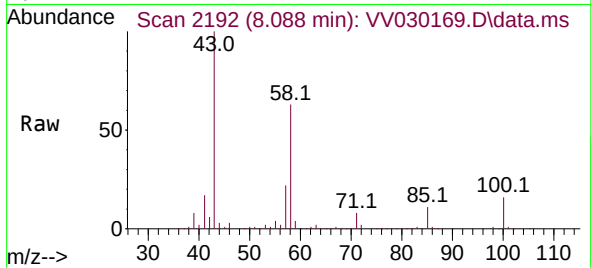




#48
2-Hexanone
Concen: 47.191 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

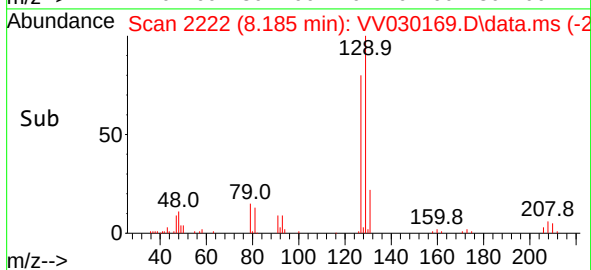
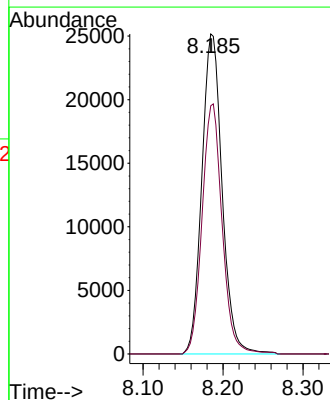
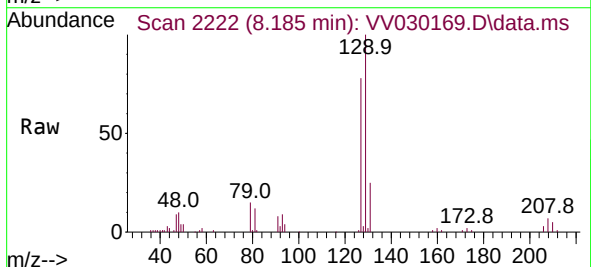
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

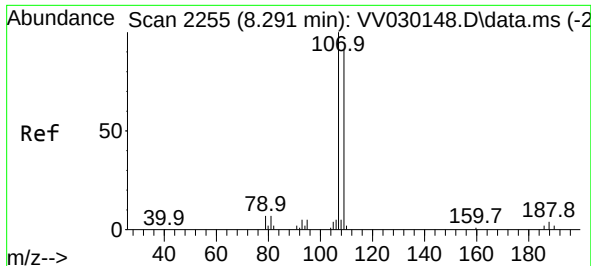
Tgt Ion:	43	Resp:	145659
Ion	Ratio	Lower	Upper
43	100		
58	62.7	49.8	74.8
57	20.9	16.6	24.8
100	15.6	11.5	17.3



#49
Dibromochloromethane
Concen: 5.090 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:	129	Resp:	44534
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.7	101.5

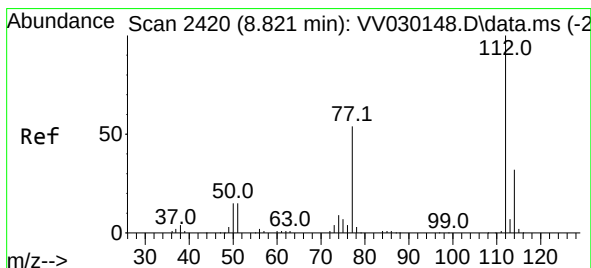
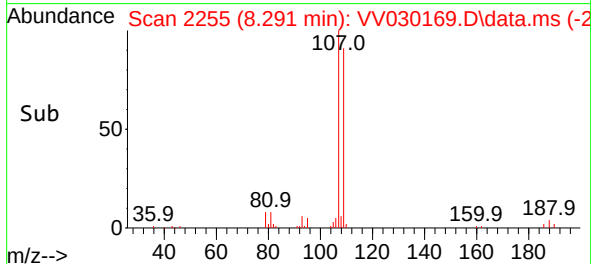
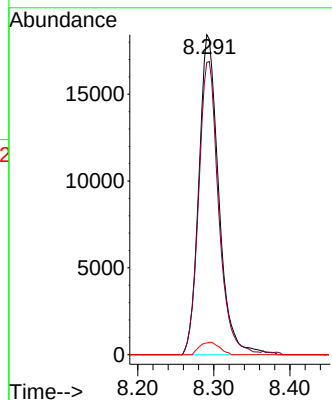
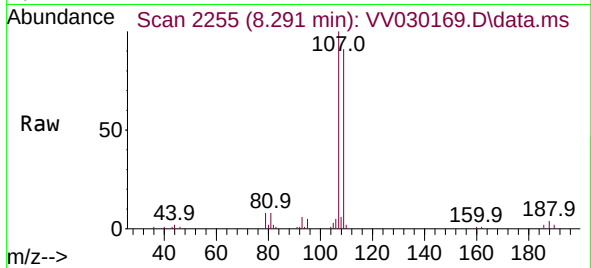




#50
1,2-Dibromoethane
Concen: 4.794 ug/L
RT: 8.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

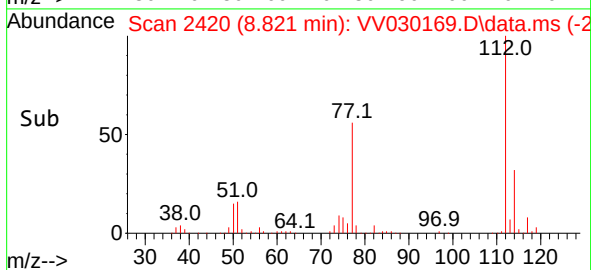
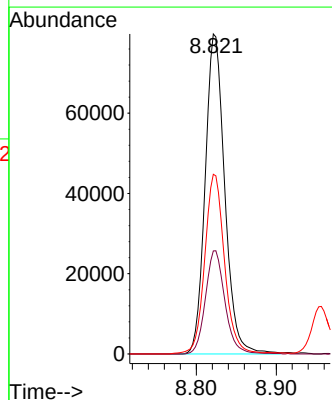
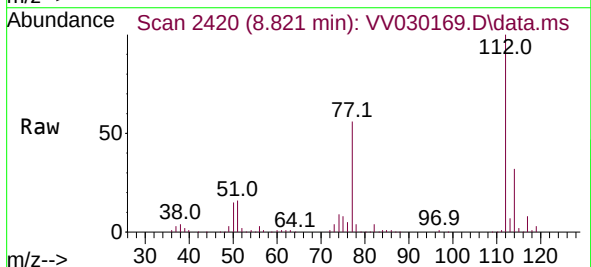
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

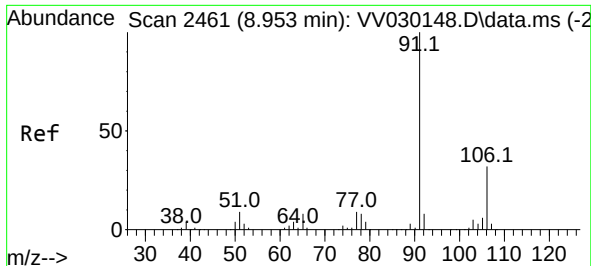
Tgt Ion:	107	Resp:	33441
Ion	Ratio	Lower	Upper
107	100		
109	91.3	63.3	117.7
188	3.6	3.0	4.6



#51
Chlorobenzene
Concen: 4.538 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:	112	Resp:	136136
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	56.2	45.3	67.9

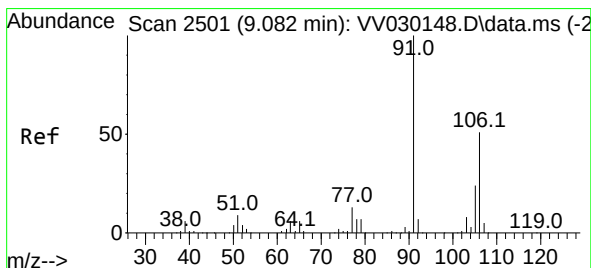
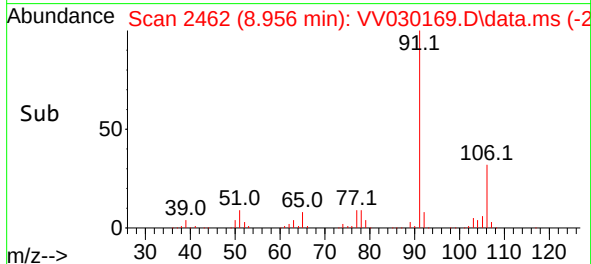
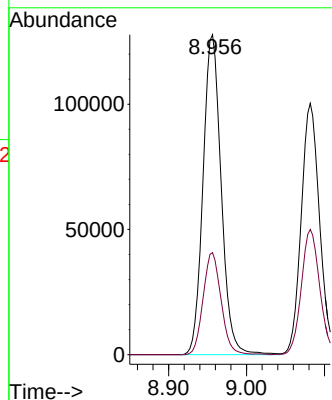
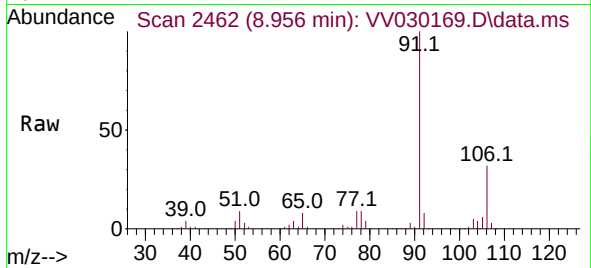




#52
Ethylbenzene
Concen: 4.277 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

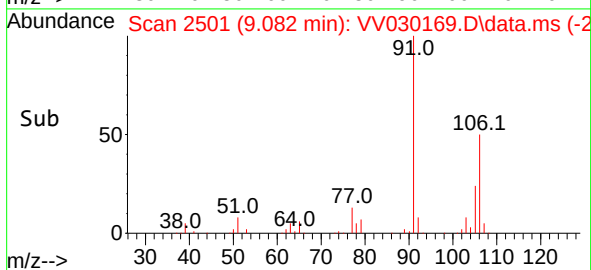
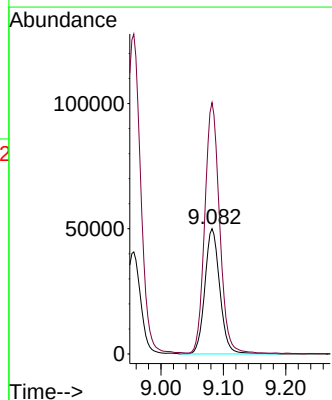
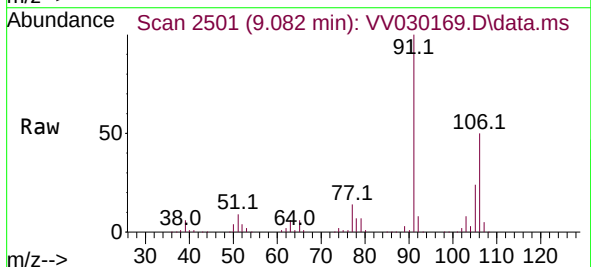
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

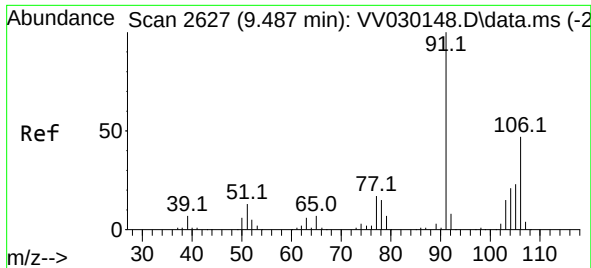
Tgt Ion: 91 Resp: 207038
Ion Ratio Lower Upper
91 100
106 31.9 22.0 40.8



#53
m,p-Xylene
Concen: 4.489 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 106 Resp: 83525
Ion Ratio Lower Upper
106 100
91 200.6 142.5 264.7

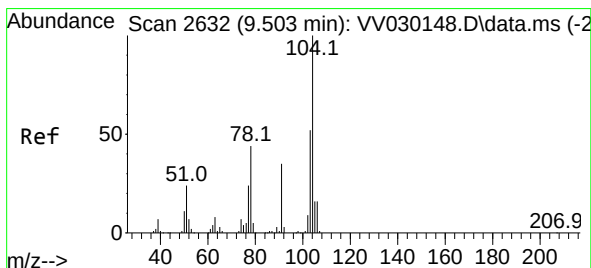
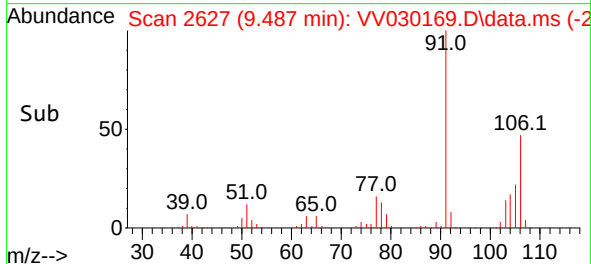
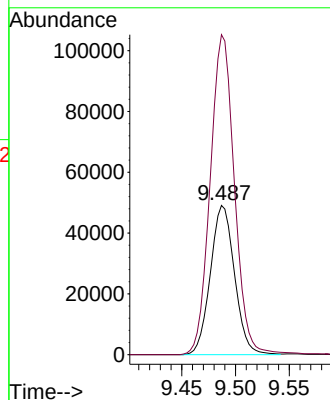
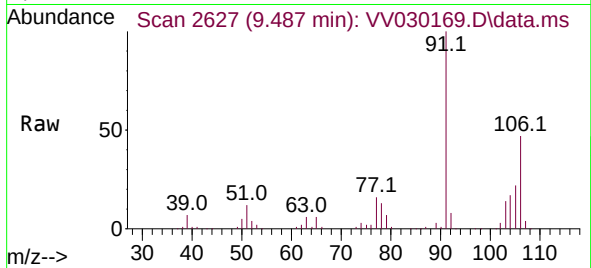




#54
o-Xylene
Concen: 4.319 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

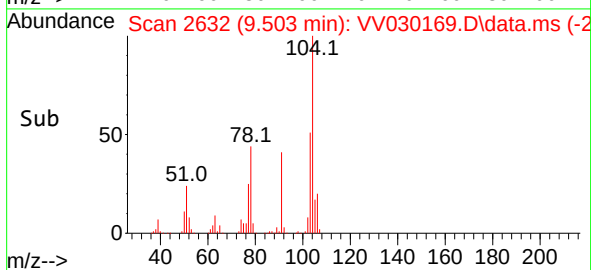
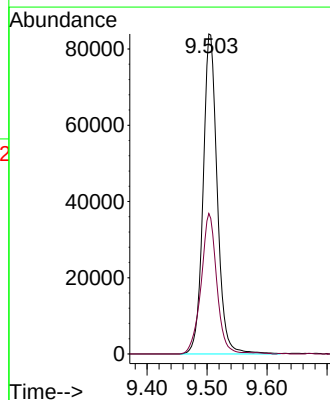
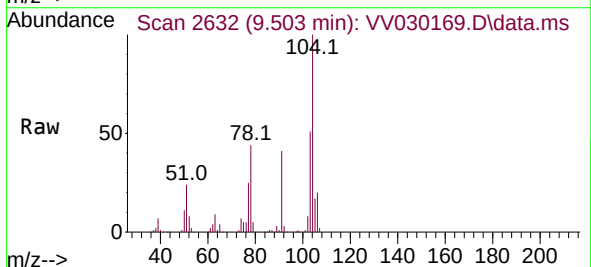
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

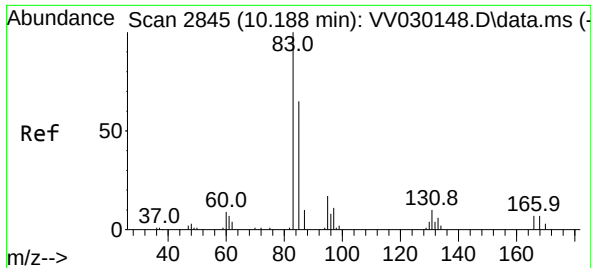
Tgt Ion:106 Resp: 76762
Ion Ratio Lower Upper
106 100
91 214.3 148.8 276.4



#55
Styrene
Concen: 4.679 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:104 Resp: 138298
Ion Ratio Lower Upper
104 100
78 43.9 31.1 57.9

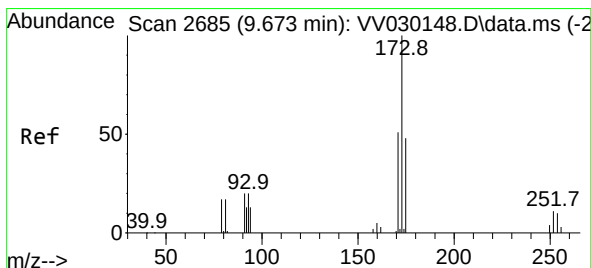
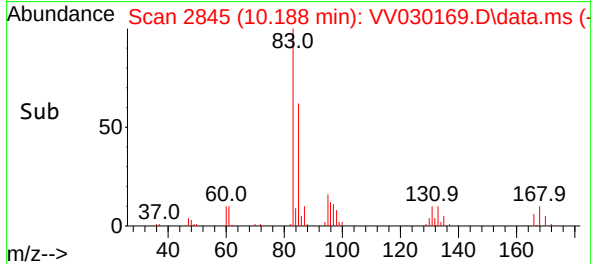
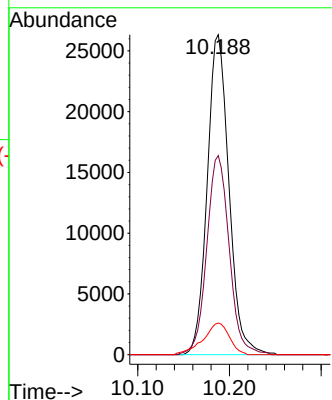
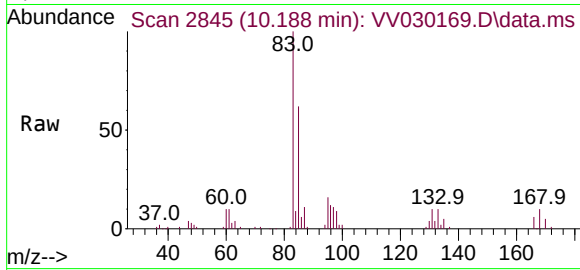




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.180 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

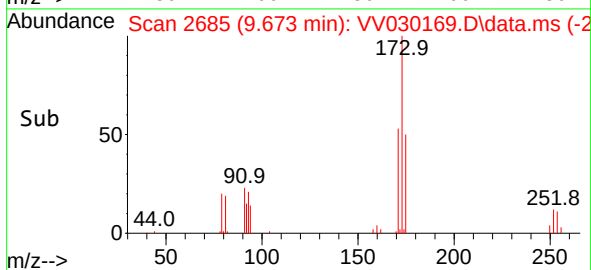
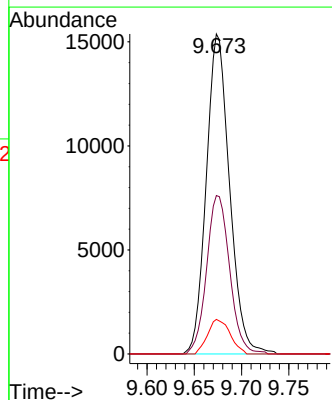
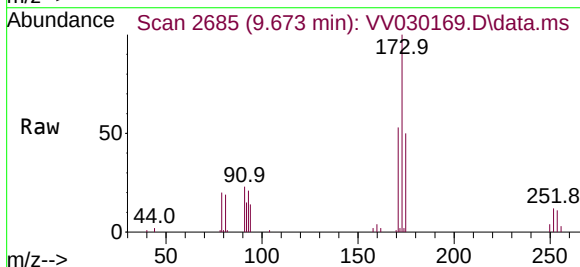
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

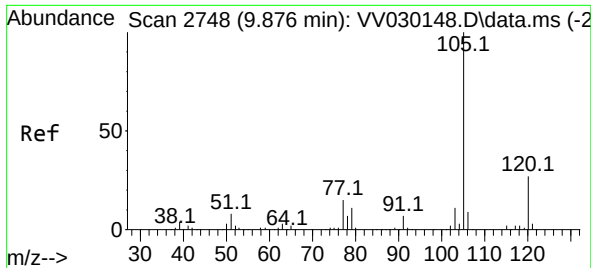
Tgt Ion:	83	Resp:	43318
Ion	Ratio	Lower	Upper
83	100		
85	62.2	45.0	83.6
131	9.9	8.2	12.4



#59
 Bromoform
 Concen: 4.701 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. -0.000 min
 Lab File: VV030169.D
 Acq: 10 Mar 2023 20:53

Tgt Ion:	173	Resp:	26346
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.5	57.7
254	10.4	8.6	13.0

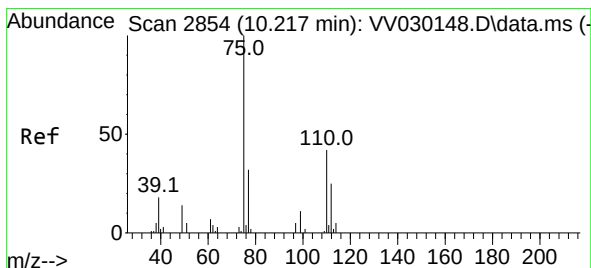
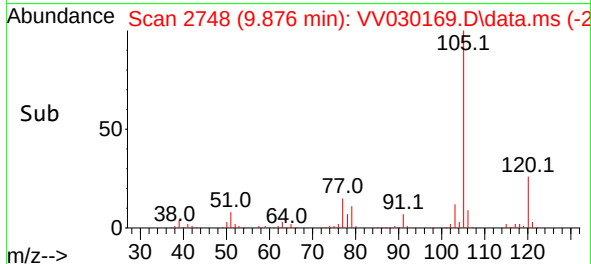
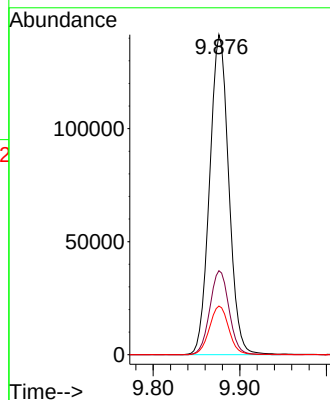
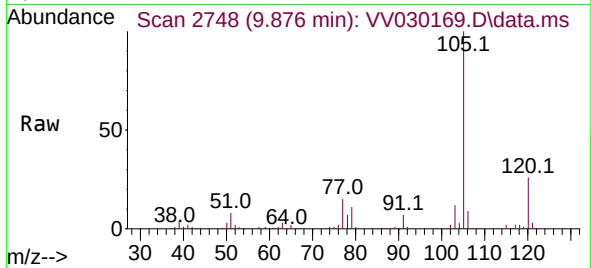




#60
Isopropylbenzene
Concen: 4.040 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

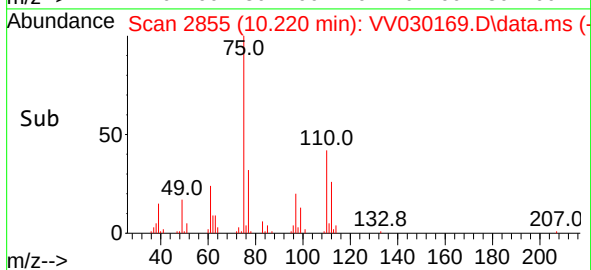
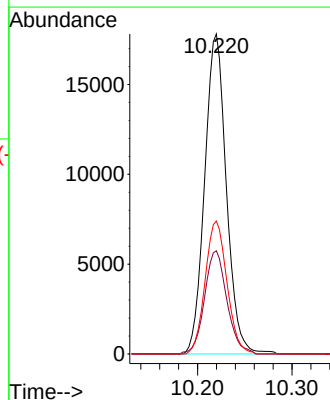
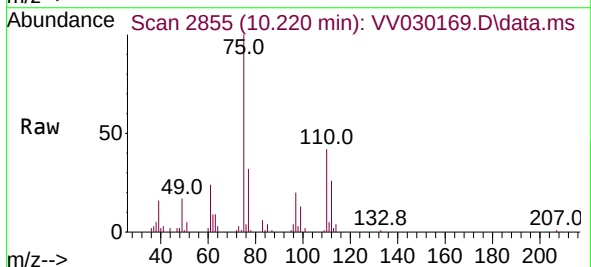
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

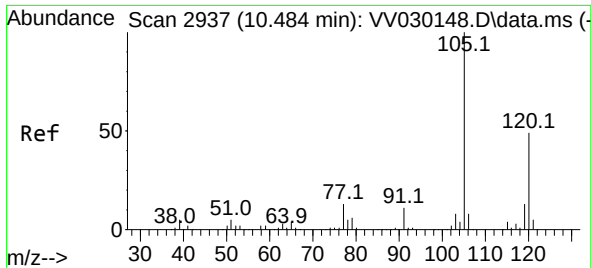
Tgt Ion:105 Resp: 217380
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.4 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.537 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion: 75 Resp: 28393
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7
110 41.7 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 3.887 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

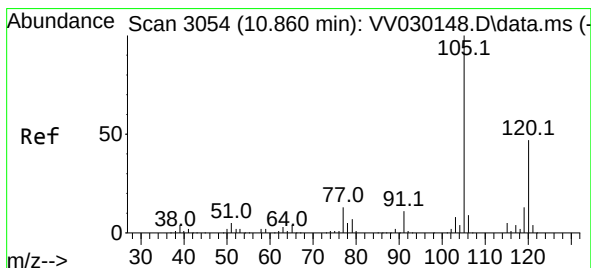
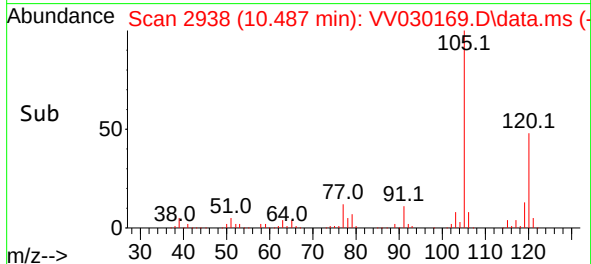
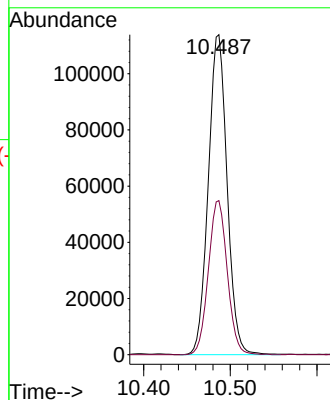
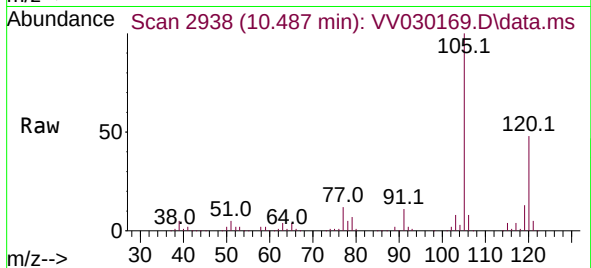
VSTD005297

Tgt Ion:105 Resp: 171793

Ion Ratio Lower Upper

105 100

120 48.3 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 3.913 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030169.D

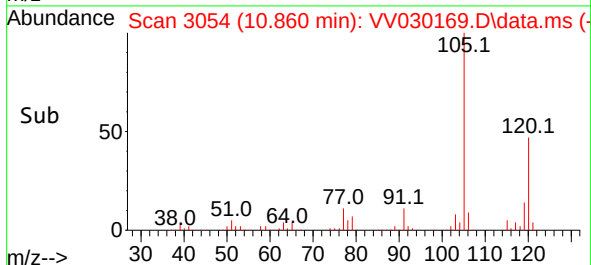
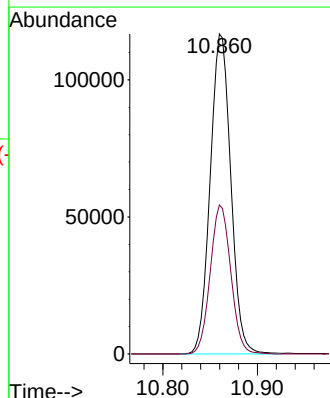
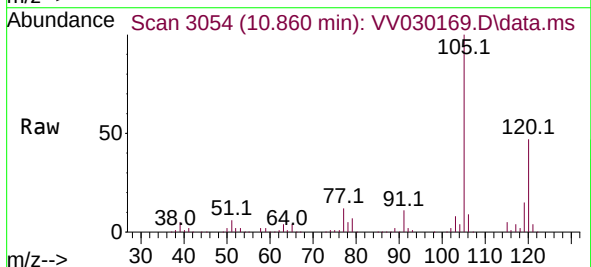
Acq: 10 Mar 2023 20:53

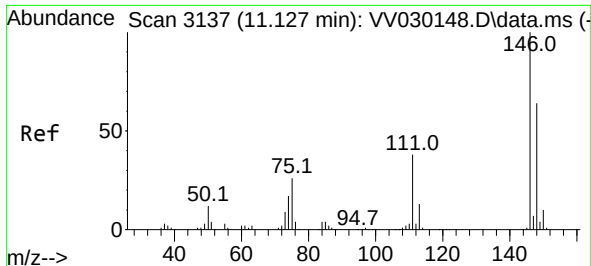
Tgt Ion:105 Resp: 176893

Ion Ratio Lower Upper

105 100

120 46.3 36.2 54.4

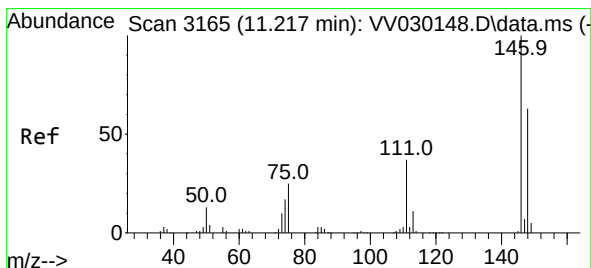
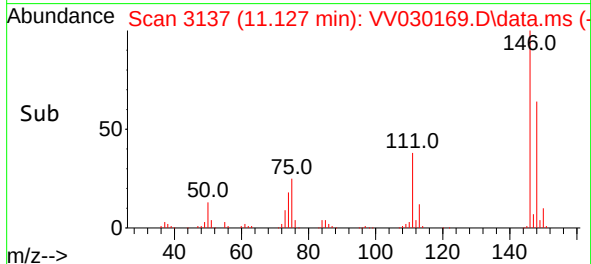
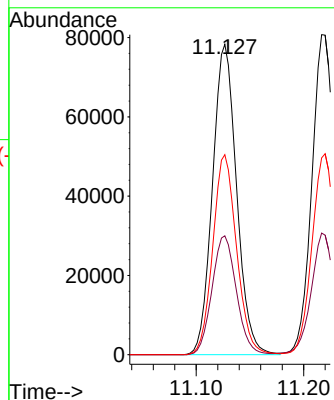
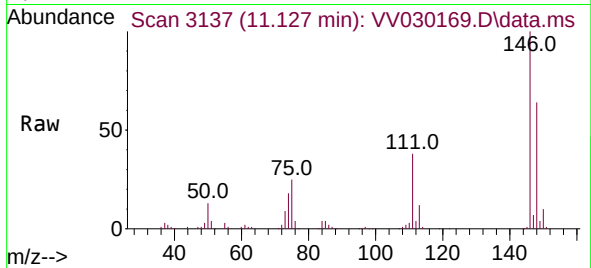




#64
1,3-Dichlorobenzene
Concen: 4.354 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

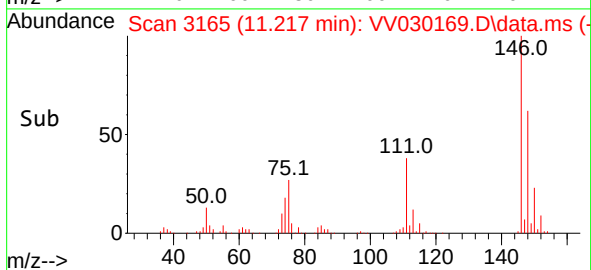
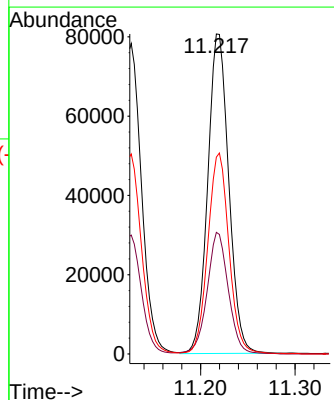
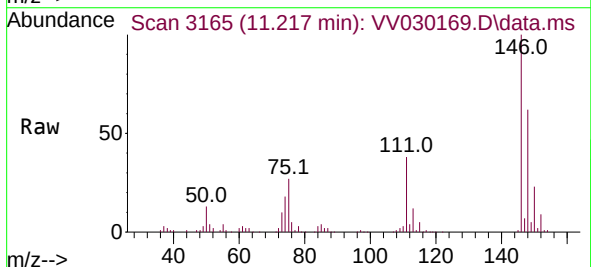
Instrument :
MSVOA_V
ClientSampleId :
VSTD005297

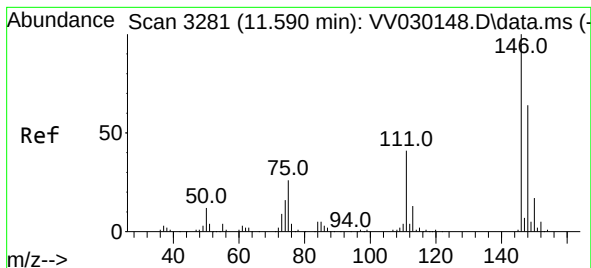
Tgt Ion:146 Resp: 121975
Ion Ratio Lower Upper
146 100
111 38.3 27.7 51.5
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.407 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030169.D
Acq: 10 Mar 2023 20:53

Tgt Ion:146 Resp: 124567
Ion Ratio Lower Upper
146 100
111 38.0 27.4 51.0
148 61.5 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.539 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

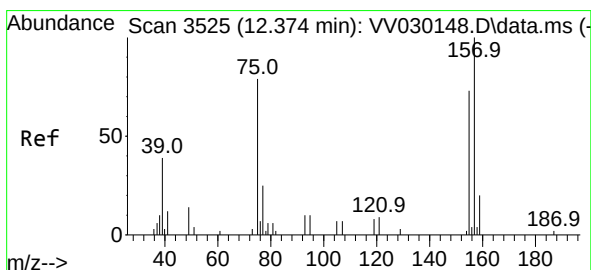
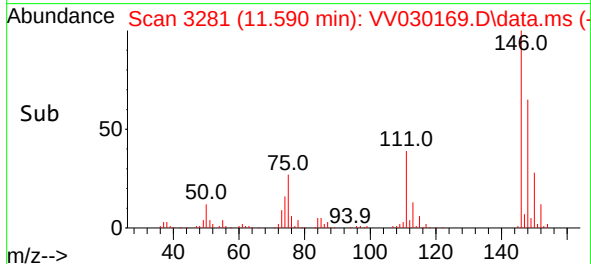
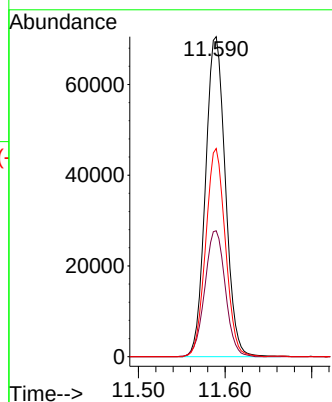
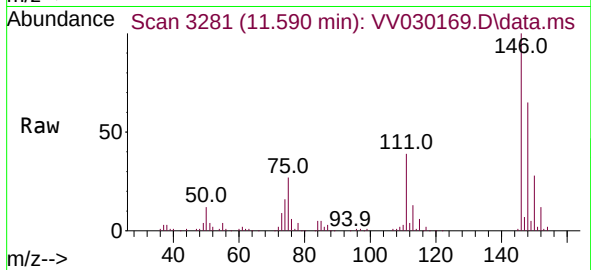
Tgt Ion:146 Resp: 112266

Ion Ratio Lower Upper

146 100

111 39.3 33.5 50.3

148 65.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.314 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

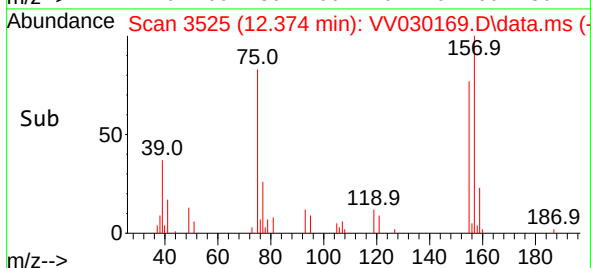
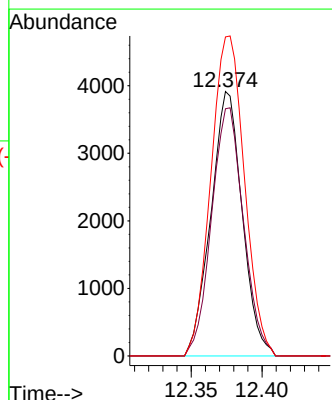
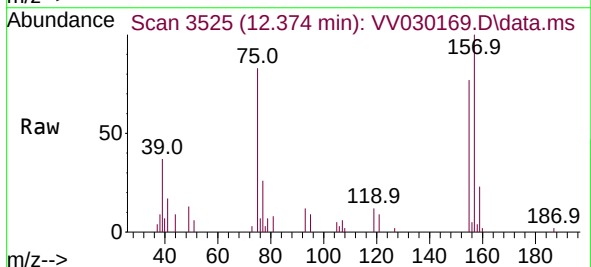
Tgt Ion: 75 Resp: 6029

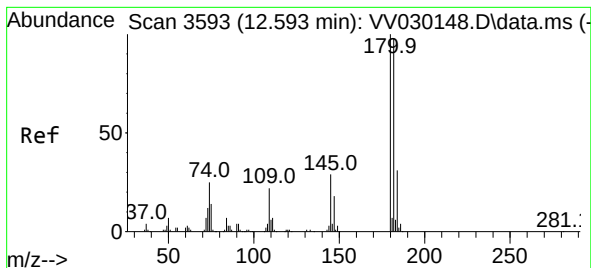
Ion Ratio Lower Upper

75 100

155 93.5 79.1 118.7

157 120.6 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.084 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

Tgt Ion:180 Resp: 94052

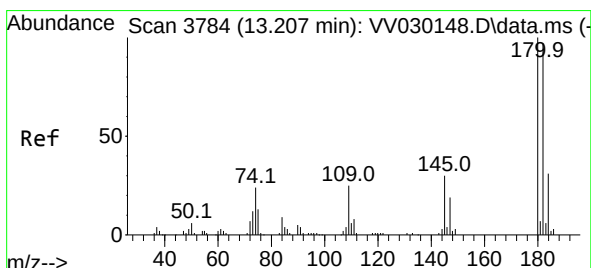
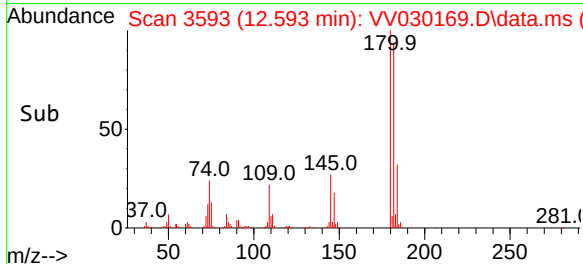
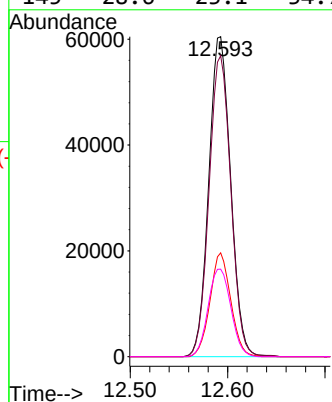
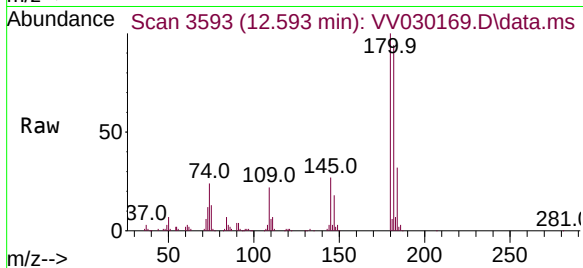
Ion Ratio Lower Upper

180 100

182 94.0 76.5 114.7

184 30.9 24.3 36.5

145 28.6 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 3.804 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

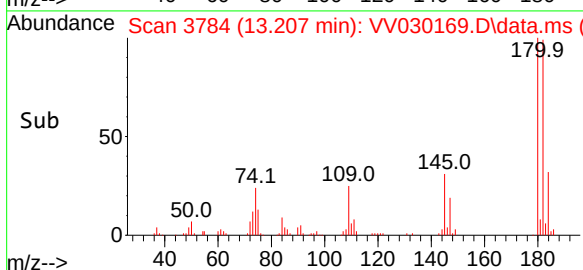
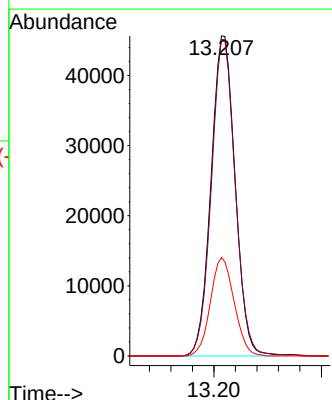
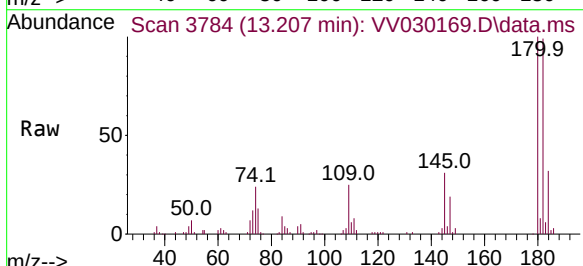
Tgt Ion:180 Resp: 70969

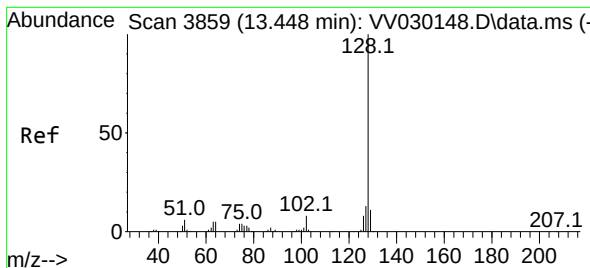
Ion Ratio Lower Upper

180 100

182 98.0 77.3 115.9

145 30.2 23.1 34.7





#71

Naphthalene

Concen: 3.602 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005297

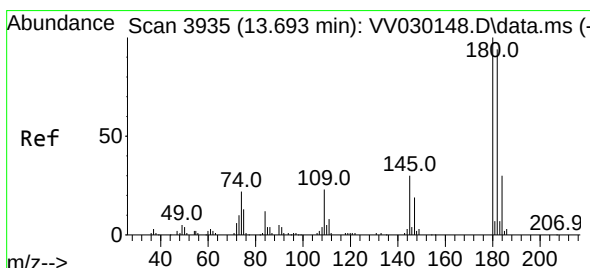
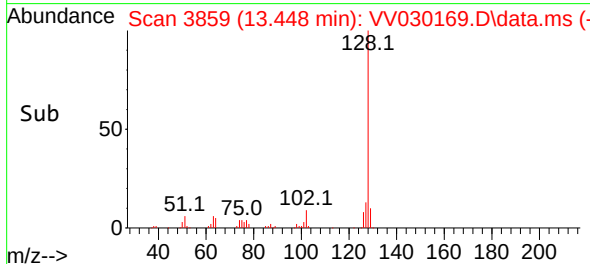
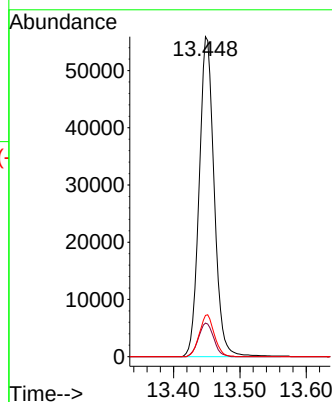
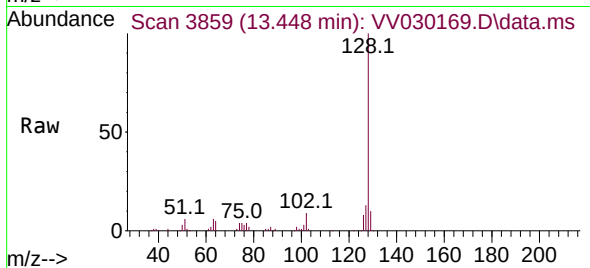
Tgt Ion:128 Resp: 87826

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.059 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.003 min

Lab File: VV030169.D

Acq: 10 Mar 2023 20:53

Tgt Ion:180 Resp: 62341

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 30.3 25.1 37.7

