

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020223\
 Data File : VW030028.D
 Acq On : 02 Feb 2023 17:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

Quant Time: Feb 03 01:15:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	234593	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	222767	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	125036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	81278	4.568	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.564	69	78095	5.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.800%
11) 1,1-Dichloroethene-d2	2.108	63	153031	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	3.886	46	173263	54.938	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.880%
24) Chloroform-d	4.342	84	155072	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.027	65	65961	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.043	84	316283	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.063	67	99575	5.149	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.307	98	289561	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	7.616	79	33702	4.772	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.085	63	159602	55.505	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.020%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	73047	5.154	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	104702	4.606	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	87930	4.027	ug/L	99
3) Chloromethane	1.240	50	118146	5.142	ug/L	99
5) Vinyl chloride	1.307	62	115198	5.113	ug/L	99
6) Bromomethane	1.519	94	35478	3.234	ug/L	97
8) Chloroethane	1.580	64	75144	5.496	ug/L	100
9) Trichlorofluoromethane	1.751	101	132386	4.486	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	81062	4.662	ug/L	93
12) 1,1-Dichloroethene	2.117	96	79880	3.988	ug/L	92
13) Acetone	2.175	43	129619	57.583	ug/L	97
14) Carbon disulfide	2.291	76	234129	4.060	ug/L	99
15) Methyl Acetate	2.433	43	27986	4.774	ug/L	93
16) Methylene chloride	2.503	84	131453	5.283	ug/L	90
17) Methyl tert-butyl Ether	2.767	73	166886	4.818	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	83536	4.486	ug/L	93
19) 1,1-Dichloroethane	3.185	63	162605	5.220	ug/L	98
21) 2-Butanone	3.969	43	174628	54.152	ug/L	97
22) cis-1,2-Dichloroethene	3.905	96	92128	4.643	ug/L	91
23) Bromochloromethane	4.243	128	38541	4.704	ug/L #	82
25) Chloroform	4.371	83	156155	4.612	ug/L	99

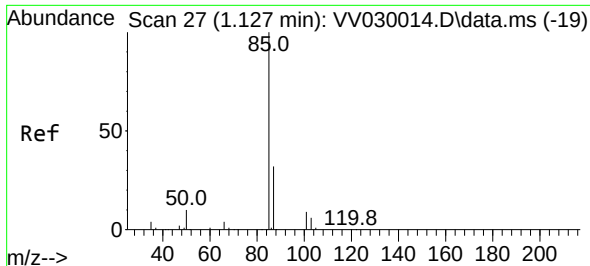
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	81811	4.973	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	132088	4.566	ug/L	98
30) Cyclohexane	4.670	56	129320	4.722	ug/L	97
31) Carbon tetrachloride	4.822	117	108989	4.330	ug/L	99
33) Benzene	5.095	78	363044	4.929	ug/L	100
34) Trichloroethene	5.908	95	87306	4.677	ug/L	97
35) Methylcyclohexane	6.124	83	138383	4.391	ug/L	96
37) 1,2-Dichloropropane	6.166	63	94743	5.493	ug/L	97
38) Bromodichloromethane	6.503	83	108408	4.860	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	121599	5.257	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	434437	59.021	ug/L	95
42) Toluene	7.381	91	383018	4.822	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	99530	5.340	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	60541	4.872	ug/L	97
47) Tetrachloroethene	7.966	164	71263	4.535	ug/L	98
48) 2-Hexanone	8.133	43	315912	60.046	ug/L	96
49) Dibromochloromethane	8.236	129	68794	4.717	ug/L	99
50) 1,2-Dibromoethane	8.342	107	54459	5.048	ug/L	100
51) Chlorobenzene	8.873	112	240407	4.766	ug/L	100
52) Ethylbenzene	9.005	91	388067	4.668	ug/L	100
53) m,p-Xylene	9.130	106	153986	4.679	ug/L	98
54) o-Xylene	9.535	106	144196	4.617	ug/L	100
55) Styrene	9.551	104	256881	4.782	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	73645	5.335	ug/L	99
59) Bromoform	9.722	173	36647	4.525	ug/L	99
60) Isopropylbenzene	9.921	105	382153	4.781	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	48243	5.211	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	312590	4.564	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	319153	4.673	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	193637	4.771	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	193925	4.793	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	177167	4.856	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	10837	4.950	ug/L	91
69) 1,3,5-Trichlorobenzene	12.631	180	156022	4.776	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	124570	4.880	ug/L	99
71) Naphthalene	13.487	128	173342	5.241	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	107506	5.074	ug/L	99

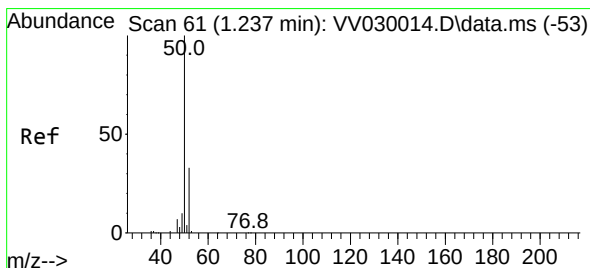
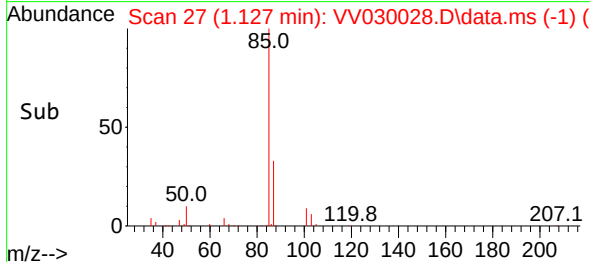
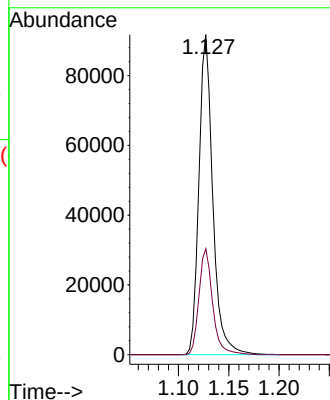
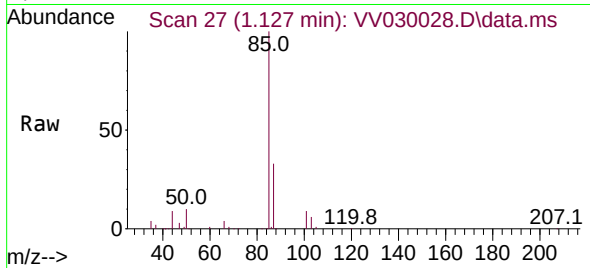
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.027 ug/L
RT: 1.127 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

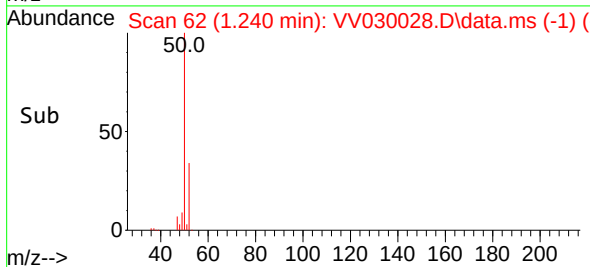
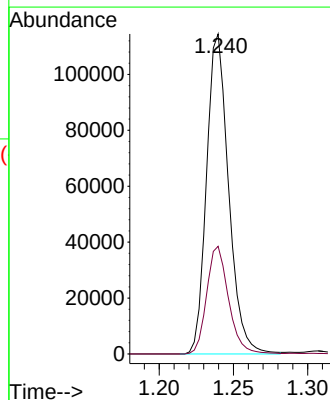
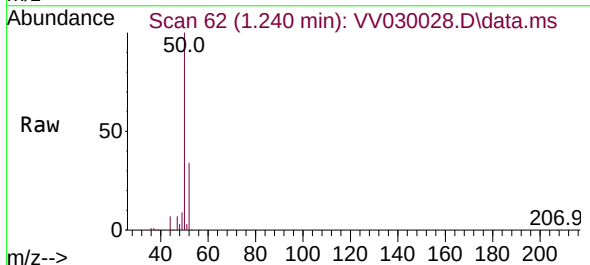
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

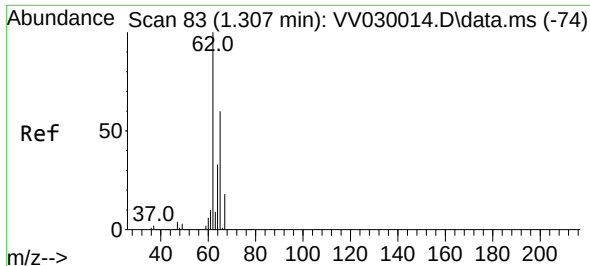
Tgt Ion: 85 Resp: 87930
Ion Ratio Lower Upper
85 100
87 32.6 26.5 39.7



#3
Chloromethane
Concen: 5.142 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 50 Resp: 118146
Ion Ratio Lower Upper
50 100
52 33.6 23.1 42.9

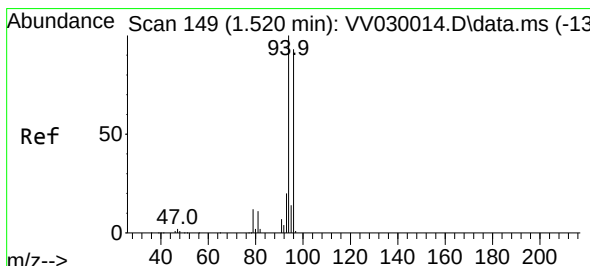
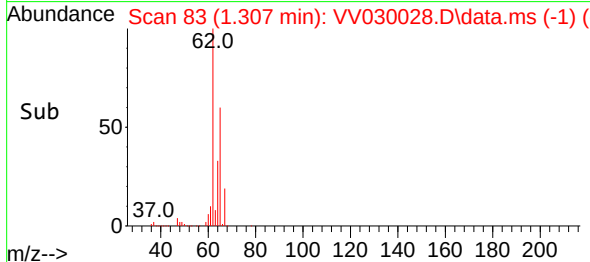
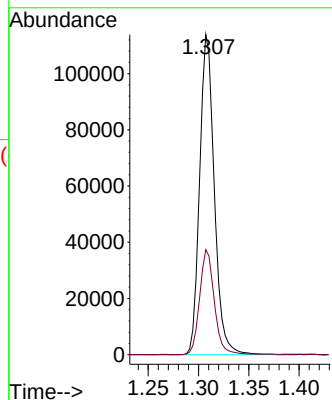
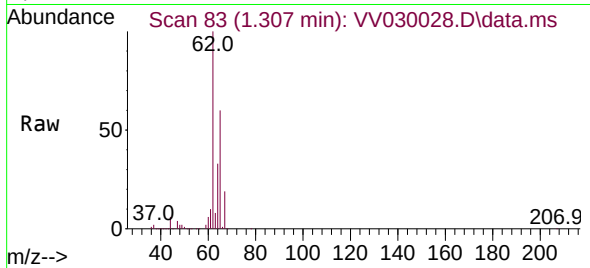




#5
 Vinyl chloride
 Concen: 5.113 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

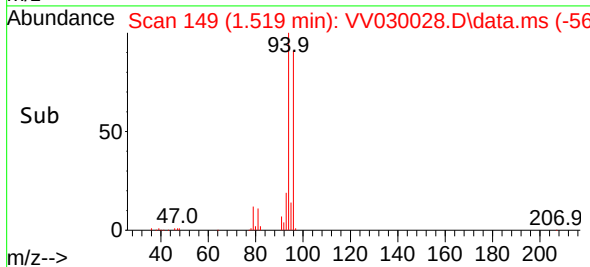
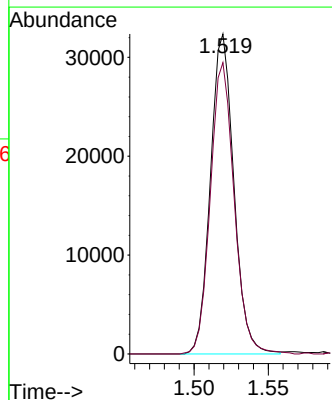
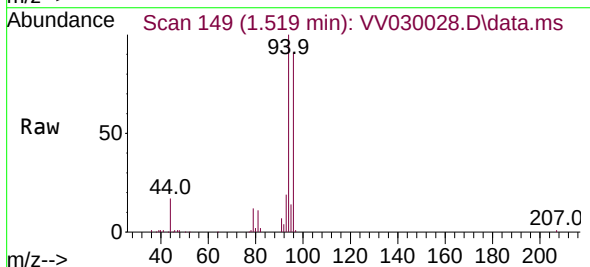
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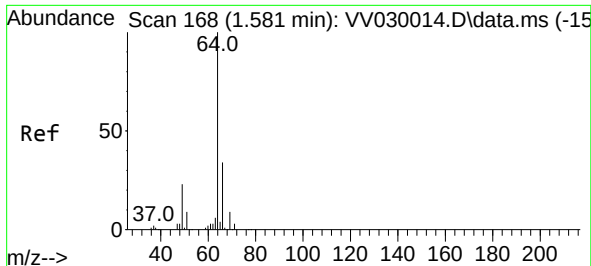
Tgt Ion: 62 Resp: 115198
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.2



#6
 Bromomethane
 Concen: 3.234 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion: 94 Resp: 35478
 Ion Ratio Lower Upper
 94 100
 96 91.1 65.9 122.5

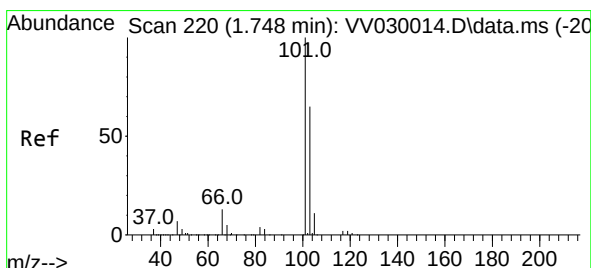
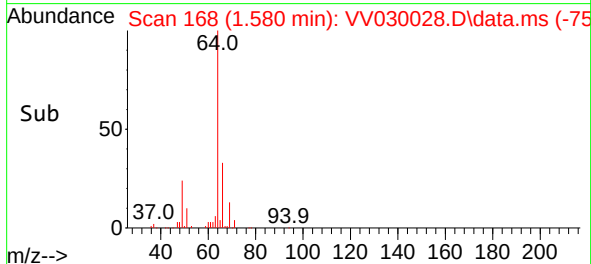
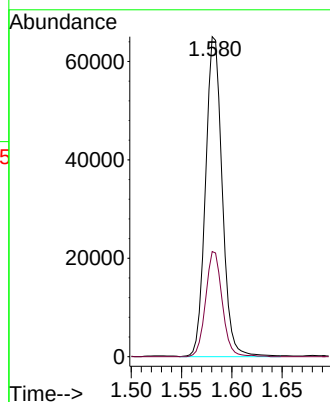
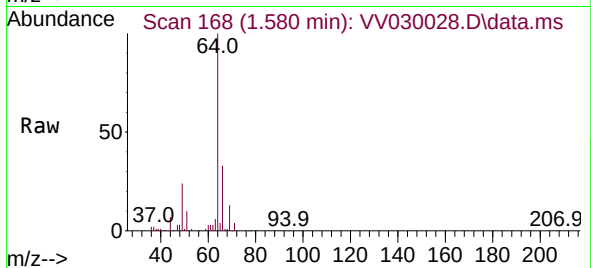




#8
Chloroethane
Concen: 5.496 ug/L
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

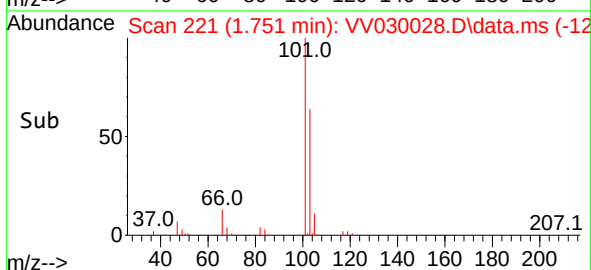
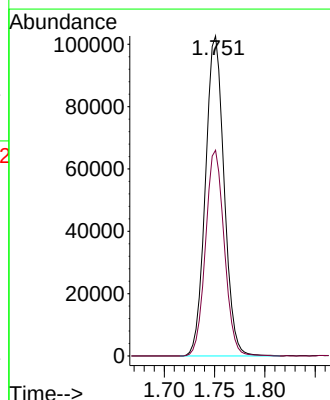
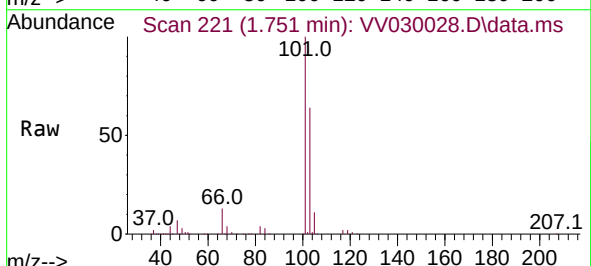
Instrument :
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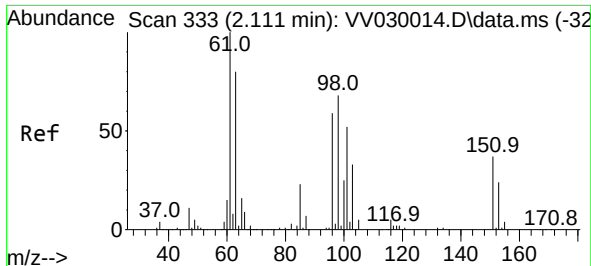
Tgt Ion: 64 Resp: 75144
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.486 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion:101 Resp: 132386
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

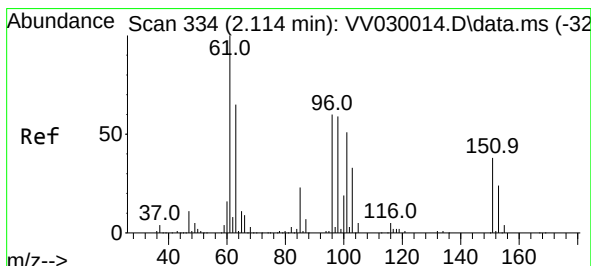
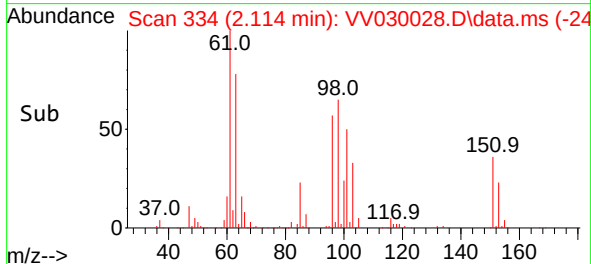
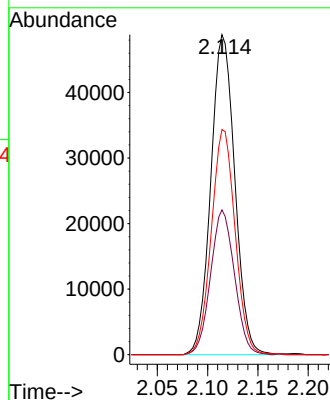
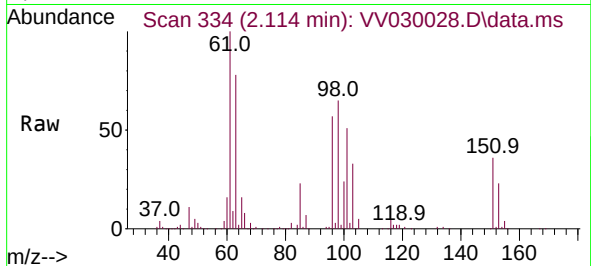




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.662 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

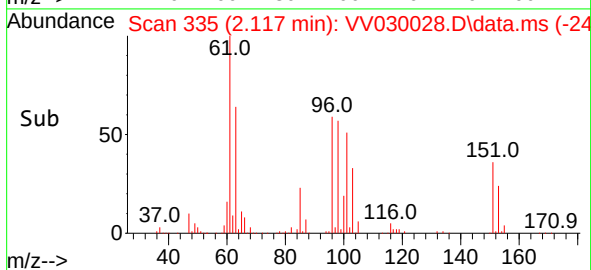
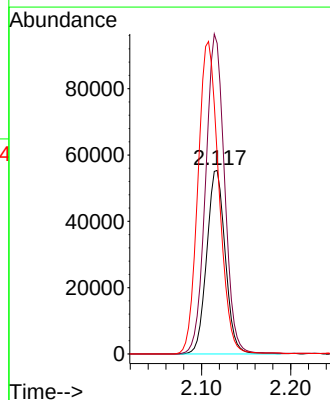
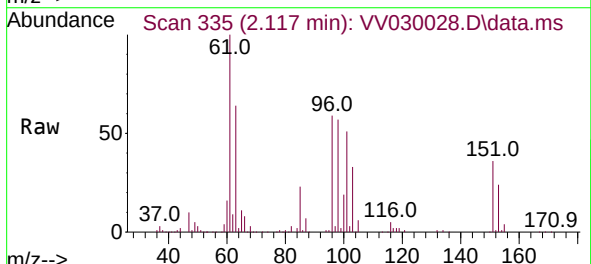
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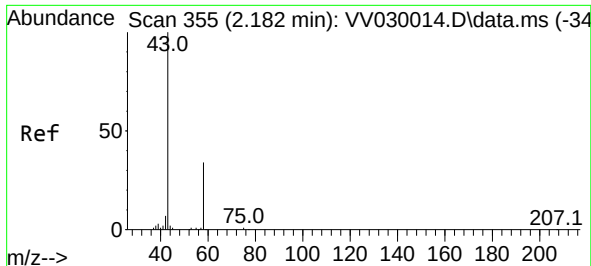
Tgt Ion:101 Resp: 81062
Ion Ratio Lower Upper
101 100
85 45.0 32.9 49.3
151 70.0 60.9 91.3



#12
1,1-Dichloroethene
Concen: 3.988 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 96 Resp: 79880
Ion Ratio Lower Upper
96 100
61 169.2 106.1 197.1
63 108.5 76.4 141.8

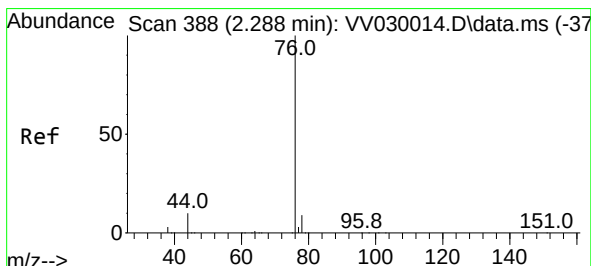
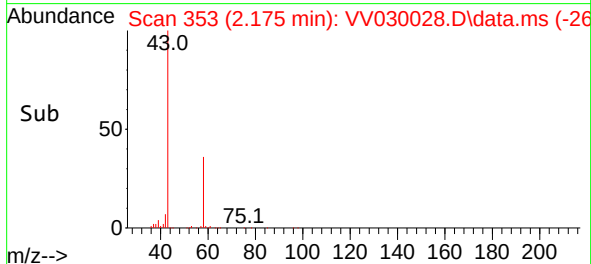
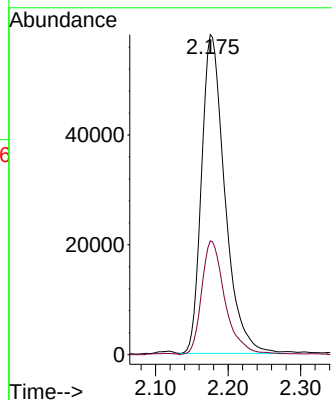
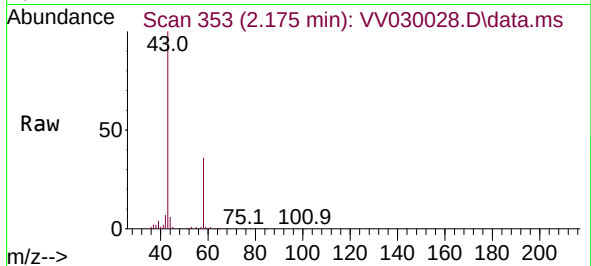




#13
Acetone
Concen: 57.583 ug/L
RT: 2.175 min Scan# 31
Delta R.T. -0.007 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

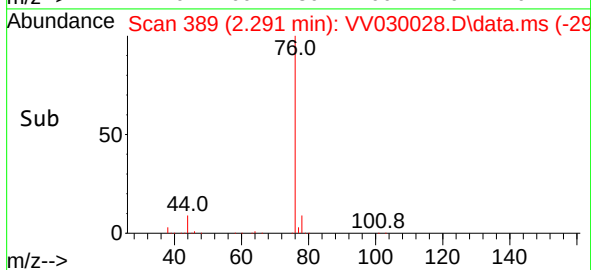
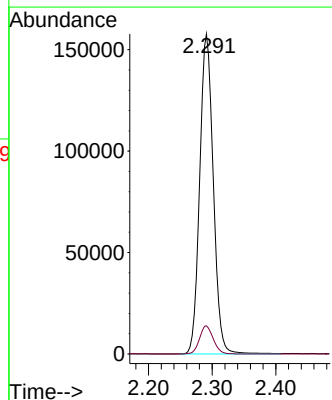
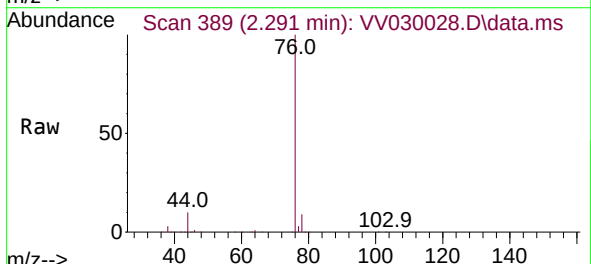
Instrument :
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VSTD005282

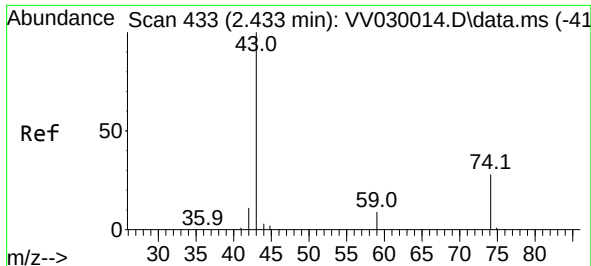
Tgt Ion: 43 Resp: 129619
Ion Ratio Lower Upper
43 100
58 35.9 0.0 68.8



#14
Carbon disulfide
Concen: 4.060 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 76 Resp: 234129
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

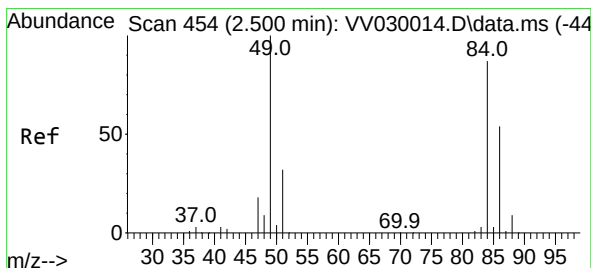
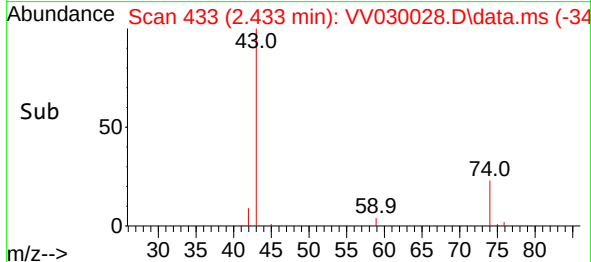
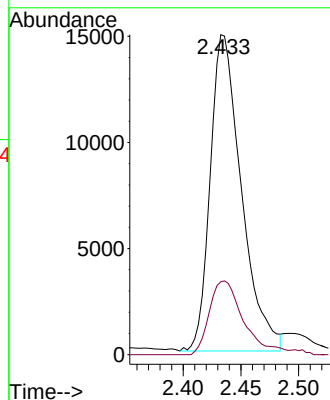
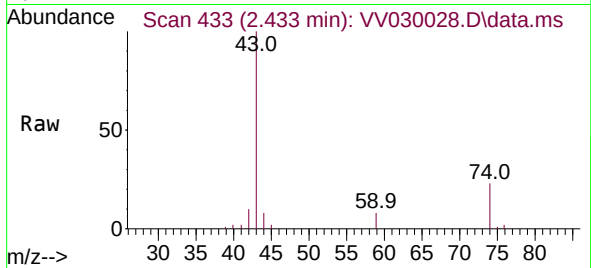




#15
Methyl Acetate
Concen: 4.774 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

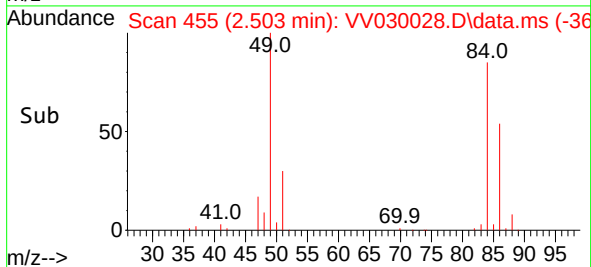
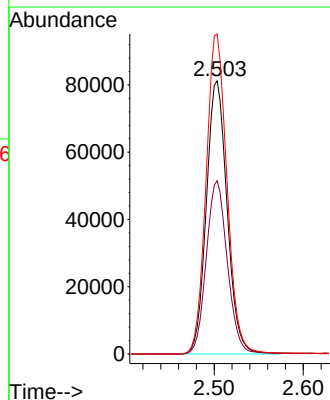
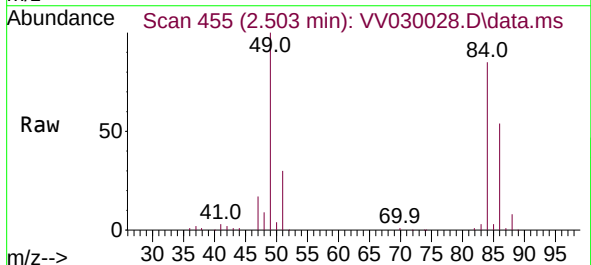
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

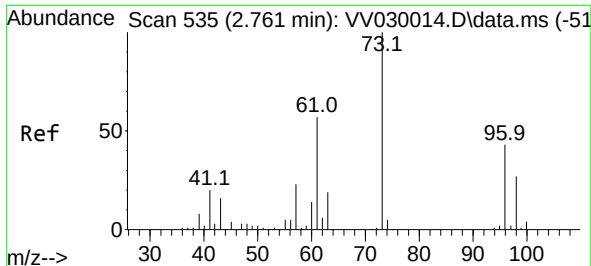
Tgt Ion: 43 Resp: 27986
Ion Ratio Lower Upper
43 100
74 25.7 23.4 35.0



#16
Methylene chloride
Concen: 5.283 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 84 Resp: 131453
Ion Ratio Lower Upper
84 100
86 63.4 45.0 83.6
49 117.2 71.5 132.7

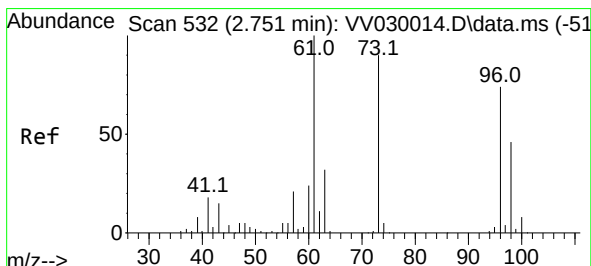
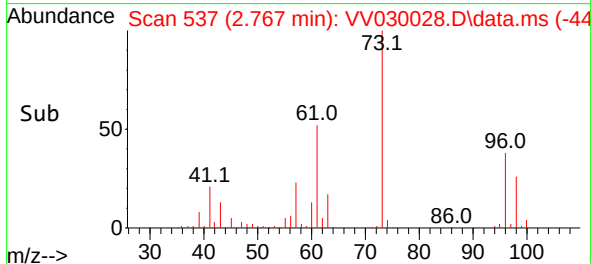
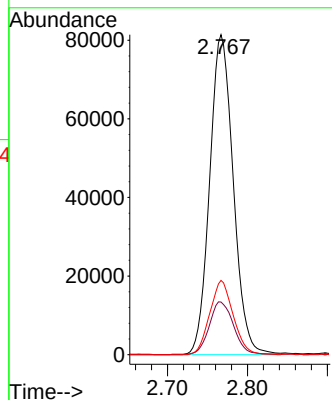
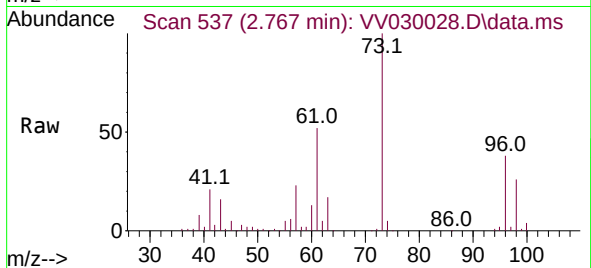




#17
Methyl tert-butyl Ether
Concen: 4.818 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

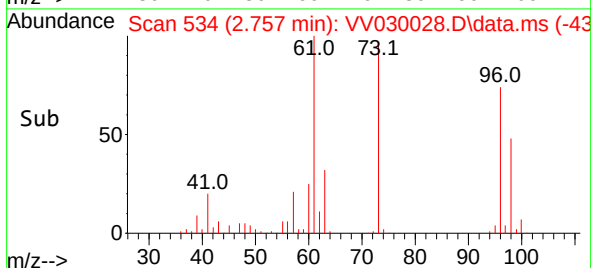
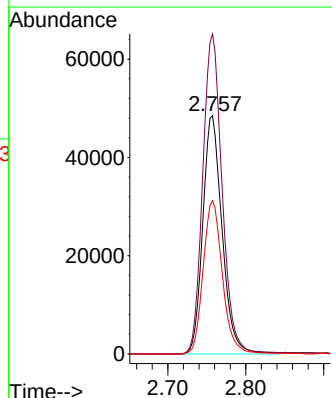
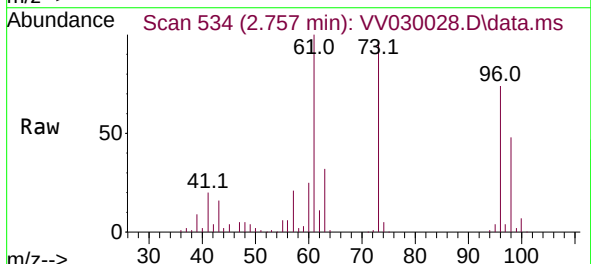
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

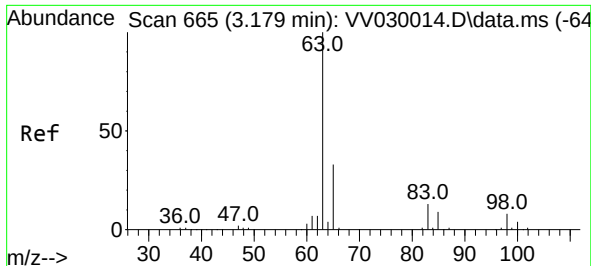
Tgt Ion: 73 Resp: 166886
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 23.0 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.486 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 96 Resp: 83536
Ion Ratio Lower Upper
96 100
61 134.3 86.1 159.9
98 64.3 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.220 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005282

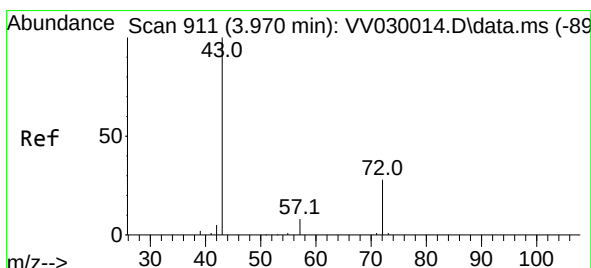
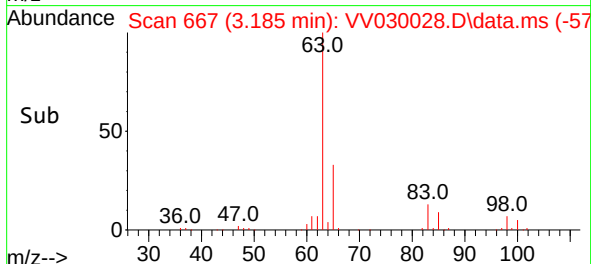
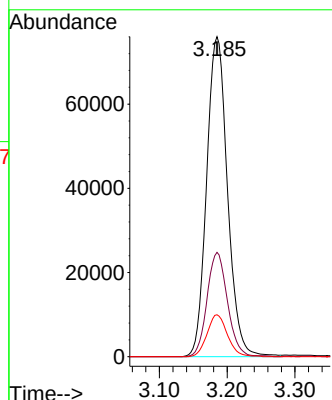
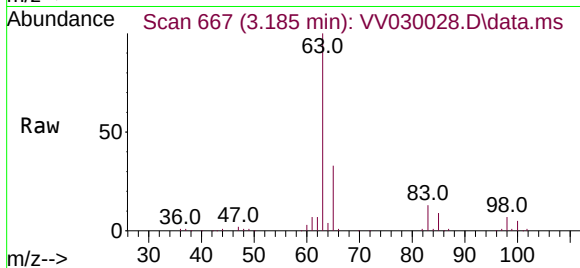
Tgt Ion: 63 Resp: 162605

Ion Ratio Lower Upper

63 100

65 32.6 22.4 41.6

83 13.1 10.2 19.0



#21

2-Butanone

Concen: 54.152 ug/L

RT: 3.969 min Scan# 911

Delta R.T. -0.000 min

Lab File: VV030028.D

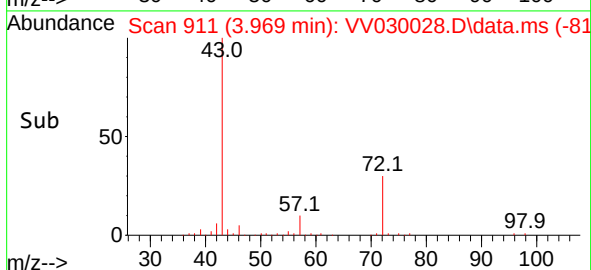
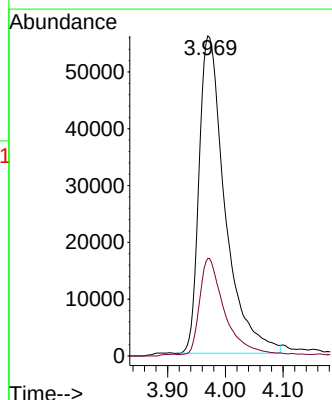
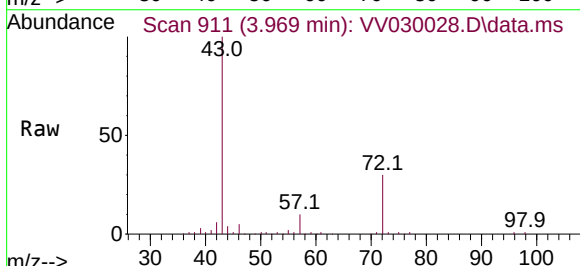
Acq: 02 Feb 2023 17:01

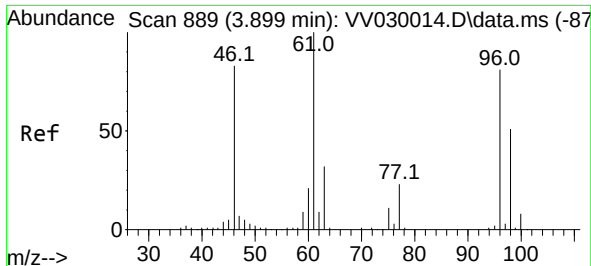
Tgt Ion: 43 Resp: 174628

Ion Ratio Lower Upper

43 100

72 29.3 13.9 41.6

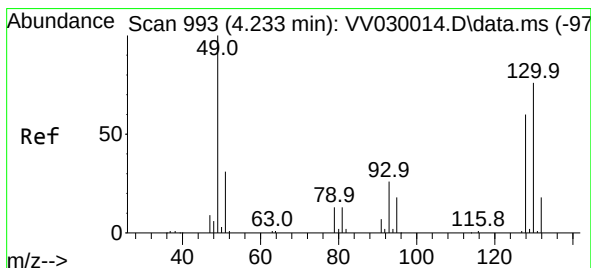
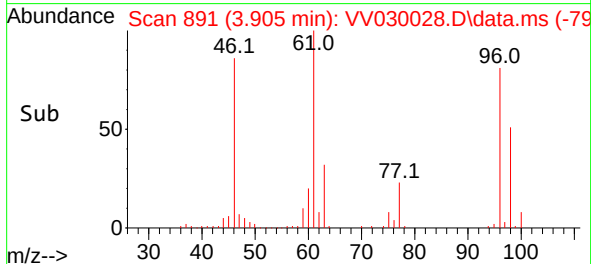
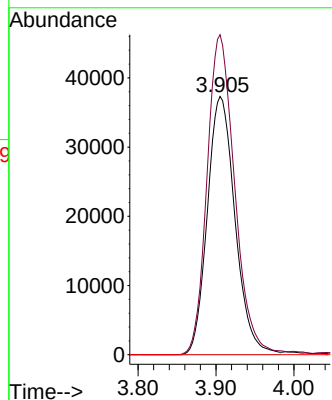
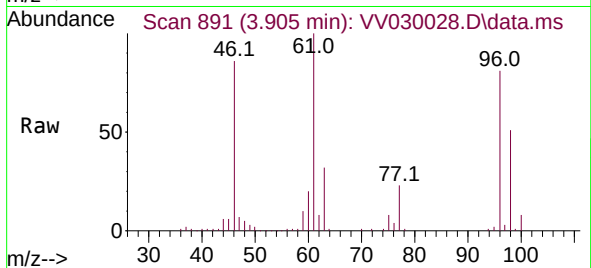




#22
 cis-1,2-Dichloroethene
 Concen: 4.643 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

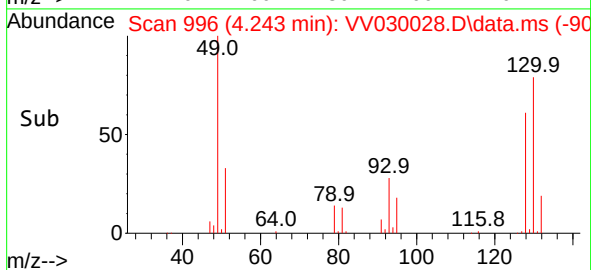
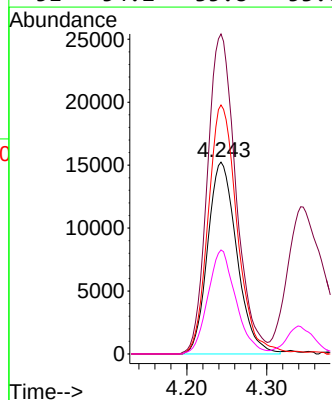
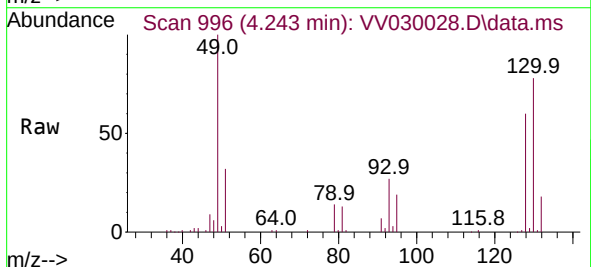
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

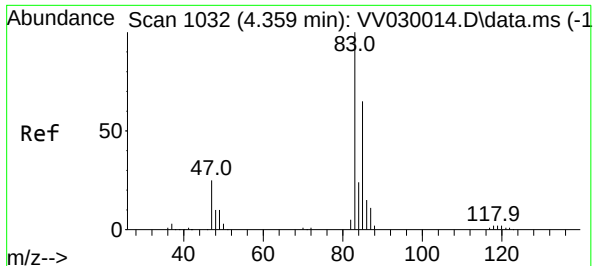
Tgt Ion: 96 Resp: 92128
 Ion Ratio Lower Upper
 96 100
 61 123.9 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.704 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. 0.010 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion: 128 Resp: 38541
 Ion Ratio Lower Upper
 128 100
 49 166.8 91.2 169.4
 130 129.7 87.0 161.6
 51 54.2 35.8 53.6#





#25

Chloroform

Concen: 4.612 ug/L

RT: 4.371 min Scan# 1032

Delta R.T. 0.013 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

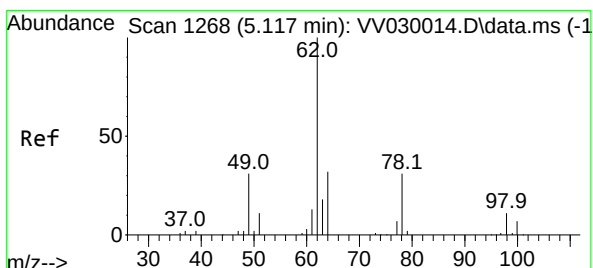
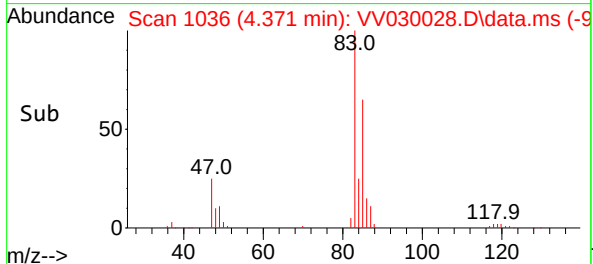
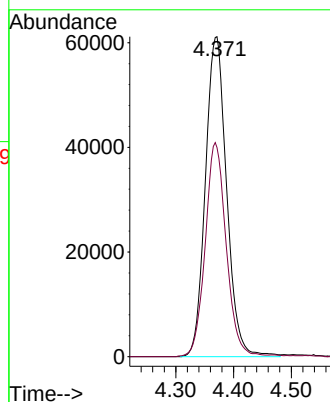
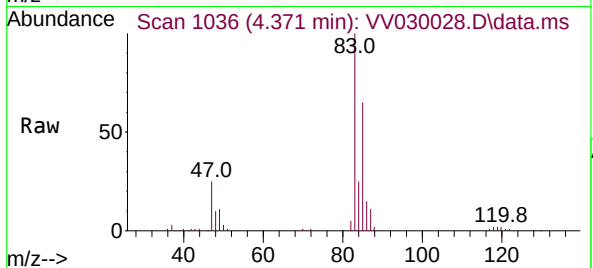
VSTD005282

Tgt Ion: 83 Resp: 156155

Ion Ratio Lower Upper

83 100

85 65.3 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.973 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VV030028.D

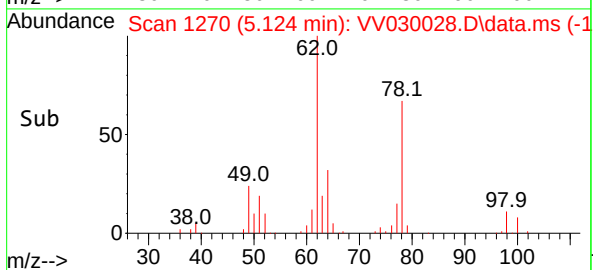
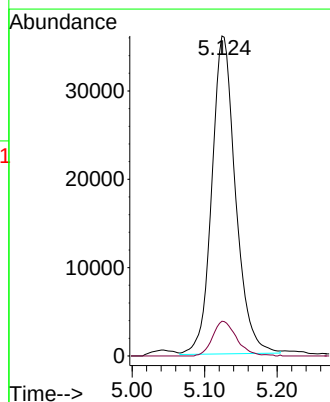
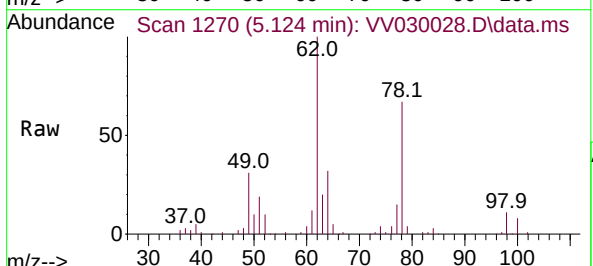
Acq: 02 Feb 2023 17:01

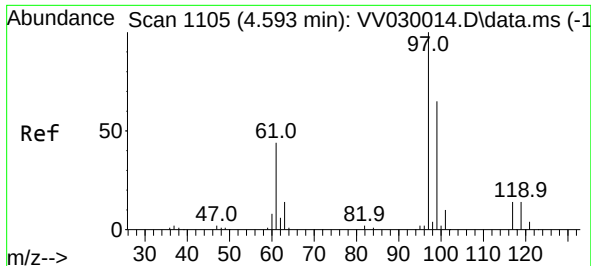
Tgt Ion: 62 Resp: 81811

Ion Ratio Lower Upper

62 100

98 10.8 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.566 ug/L

RT: 4.603 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005282

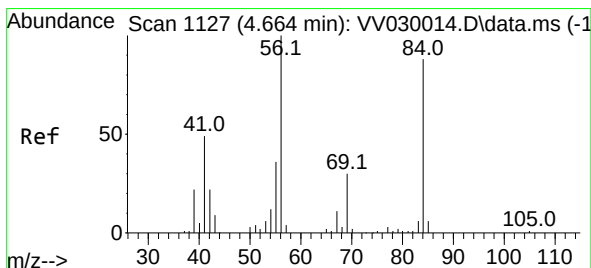
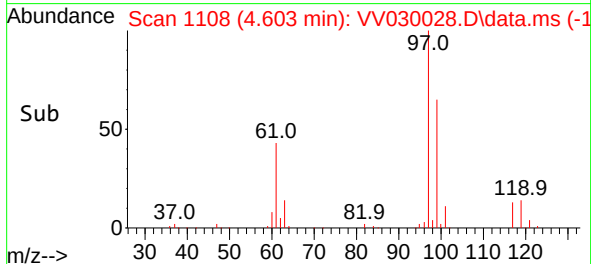
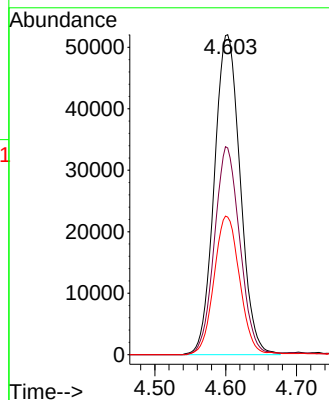
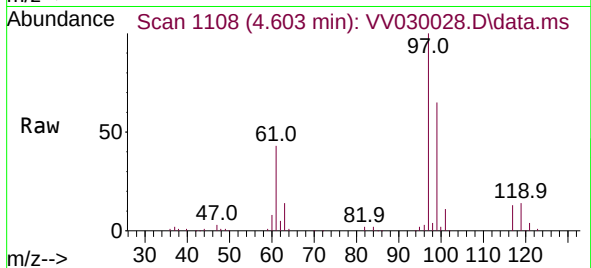
Tgt Ion: 97 Resp: 132088

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 42.7 31.6 47.4



#30

Cyclohexane

Concen: 4.722 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

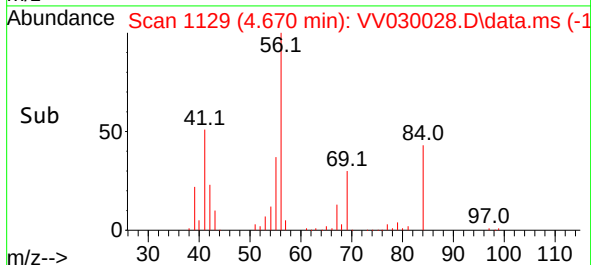
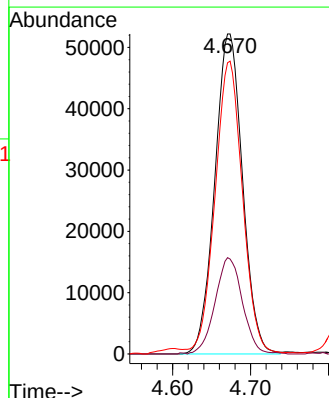
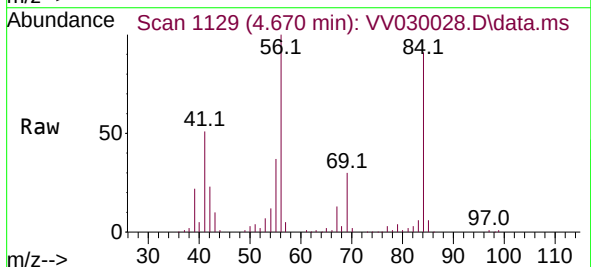
Tgt Ion: 56 Resp: 129320

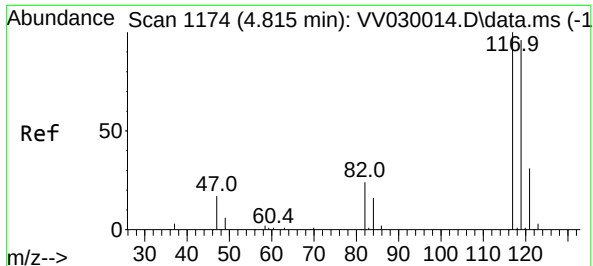
Ion Ratio Lower Upper

56 100

69 29.6 26.7 40.1

84 91.0 73.8 110.8

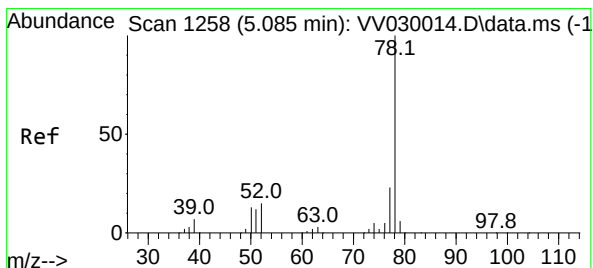
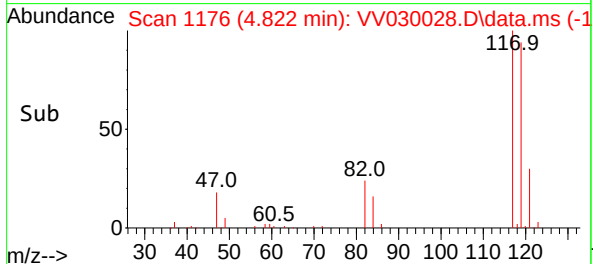
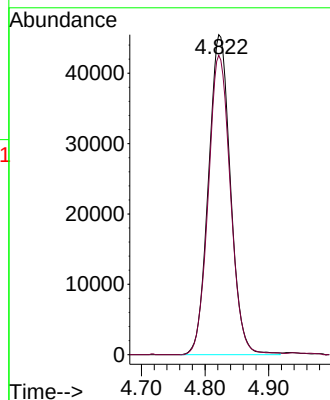
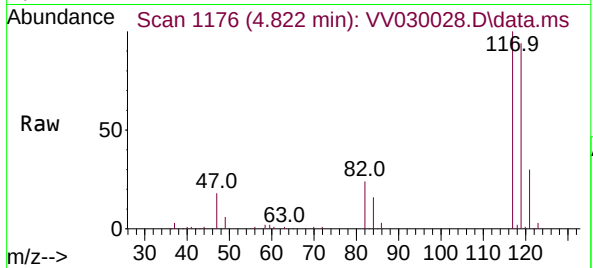




#31
Carbon tetrachloride
Concen: 4.330 ug/L
RT: 4.822 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

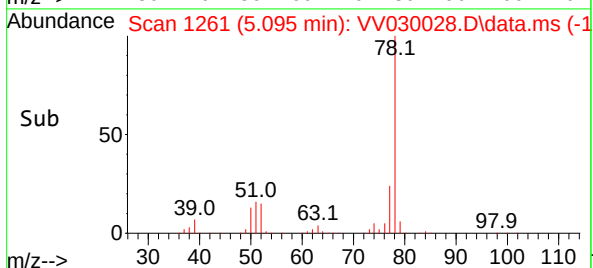
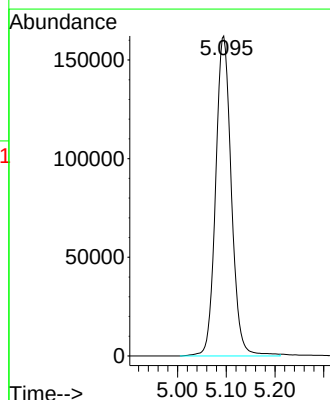
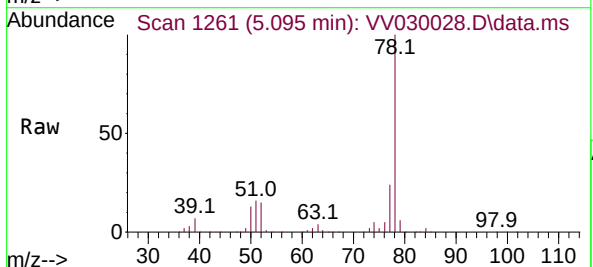
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

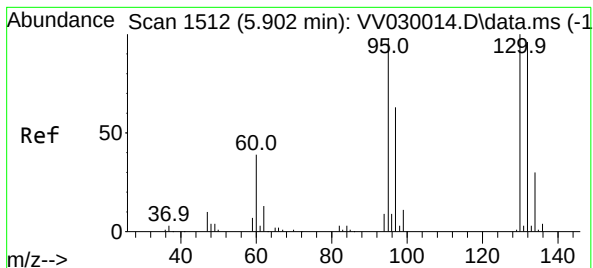
Tgt Ion:117 Resp: 108989
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8



#33
Benzene
Concen: 4.929 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.010 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 78 Resp: 363044





#34

Trichloroethene

Concen: 4.677 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005282

Tgt Ion: 95 Resp: 87306

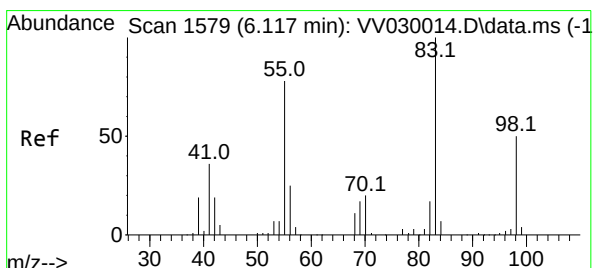
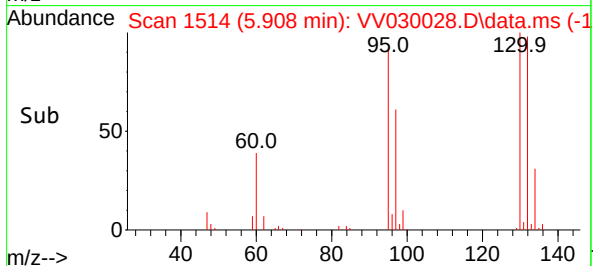
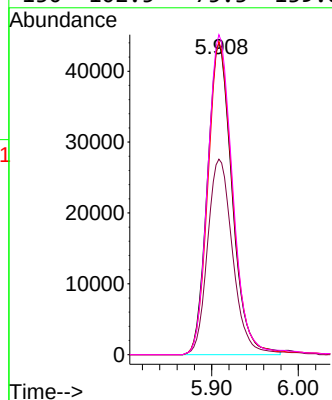
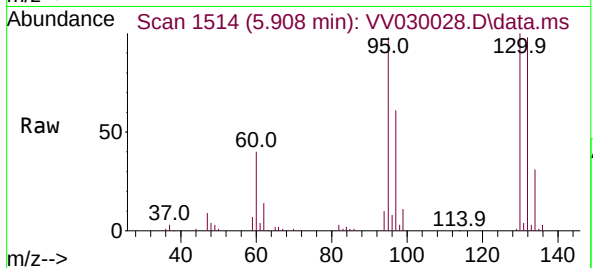
Ion Ratio Lower Upper

95 100

97 62.6 44.9 83.3

132 100.3 71.8 133.4

130 102.5 75.3 139.8



#35

Methylcyclohexane

Concen: 4.391 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

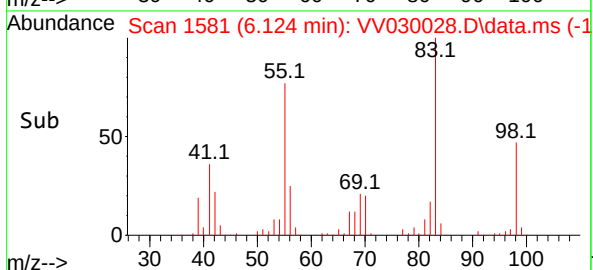
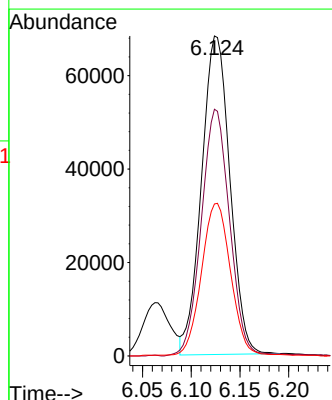
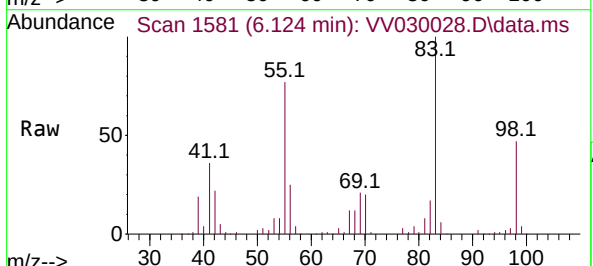
Tgt Ion: 83 Resp: 138383

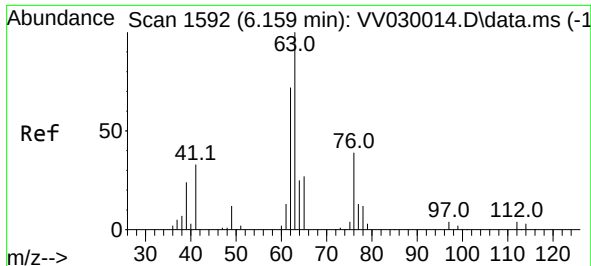
Ion Ratio Lower Upper

83 100

55 77.5 57.3 85.9

98 48.9 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.493 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

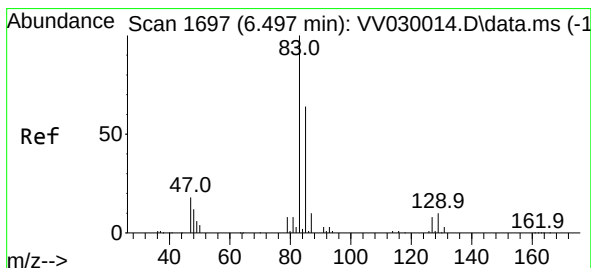
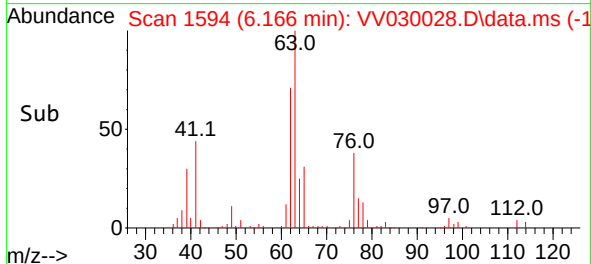
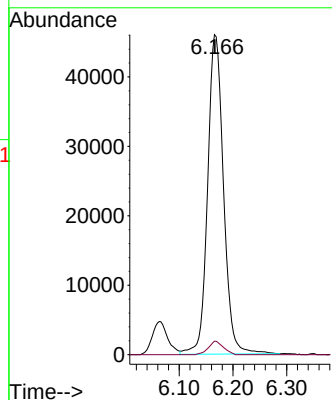
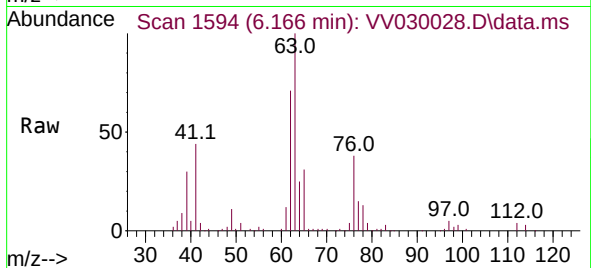
VSTD005282

Tgt Ion: 63 Resp: 94743

Ion Ratio Lower Upper

63 100

112 4.0 3.9 5.9



#38

Bromodichloromethane

Concen: 4.860 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

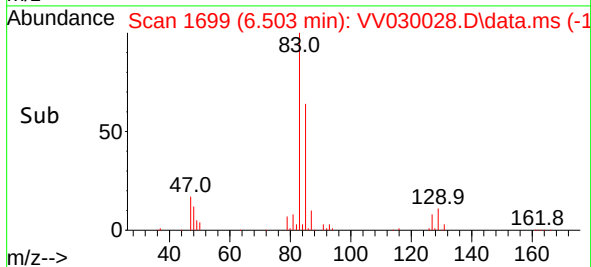
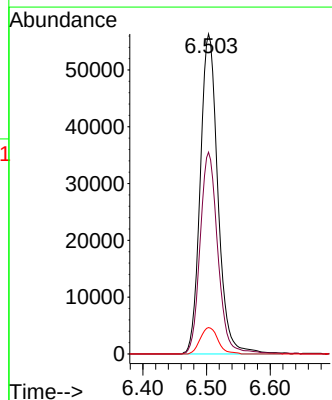
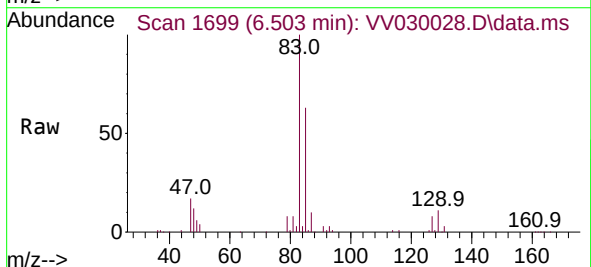
Tgt Ion: 83 Resp: 108408

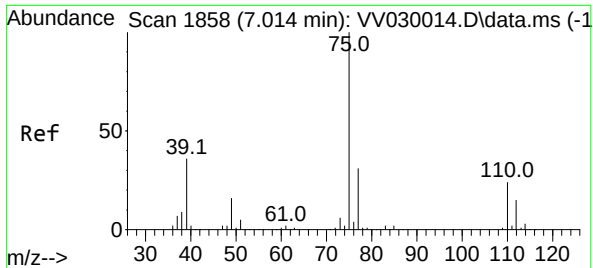
Ion Ratio Lower Upper

83 100

85 63.0 43.2 80.2

127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 7.021 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

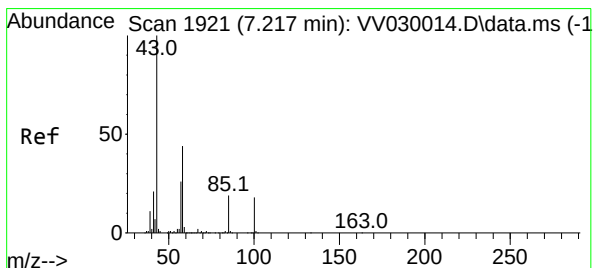
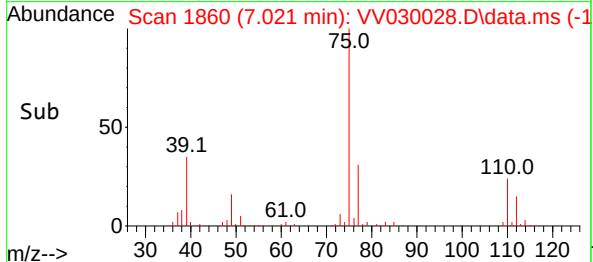
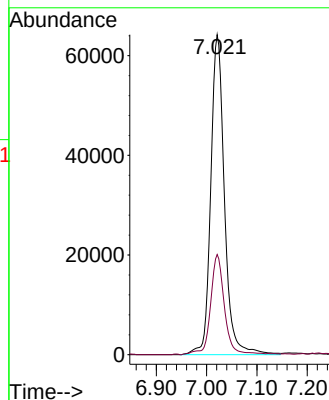
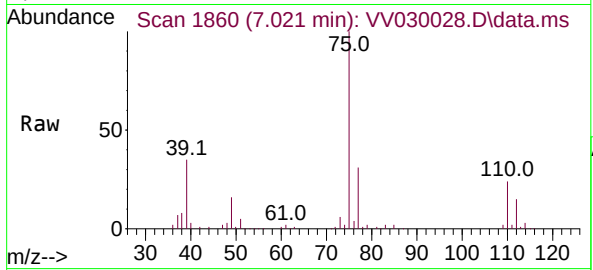
VSTD005282

Tgt Ion: 75 Resp: 121599

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 59.021 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

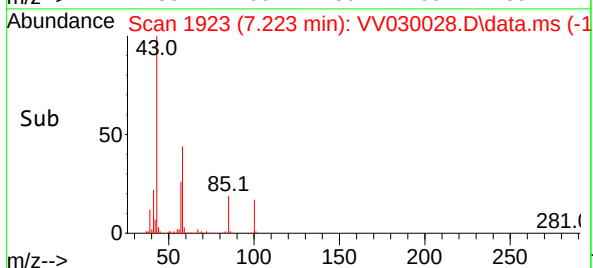
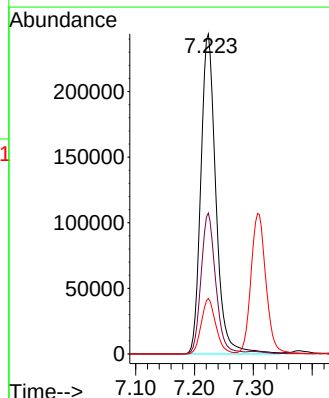
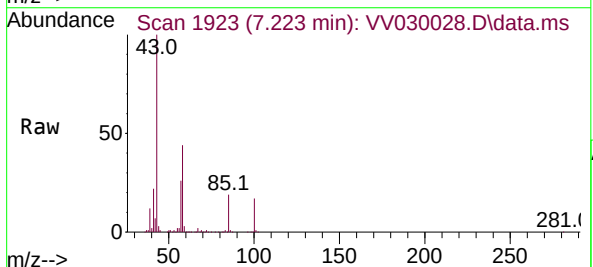
Tgt Ion: 43 Resp: 434437

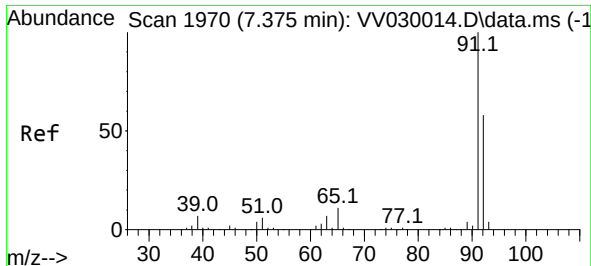
Ion Ratio Lower Upper

43 100

58 42.8 36.7 55.1

100 16.7 15.6 23.4





#42

Toluene

Concen: 4.822 ug/L

RT: 7.381 min Scan# 1970

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

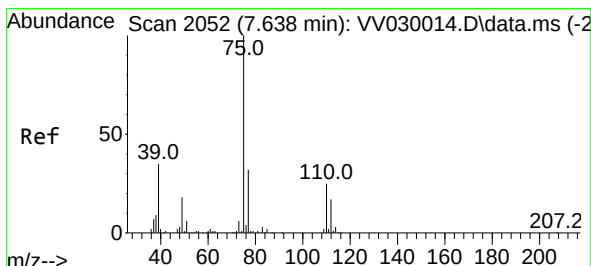
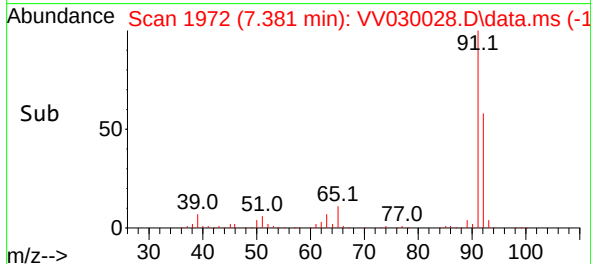
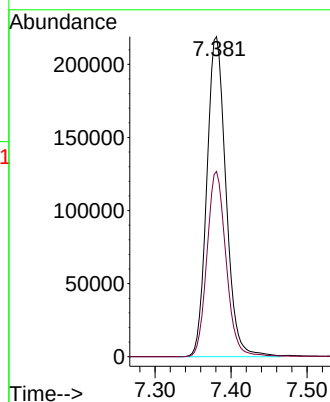
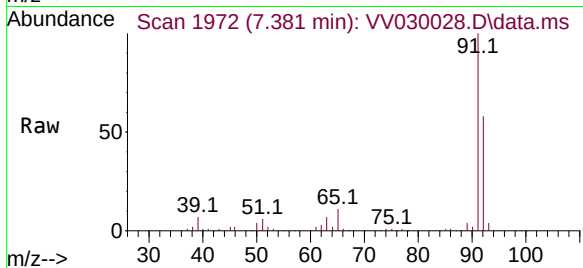
VSTD005282

Tgt Ion: 91 Resp: 383018

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.340 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VV030028.D

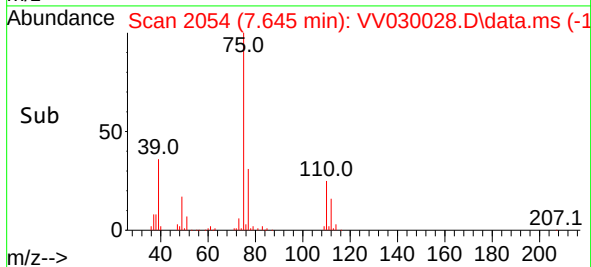
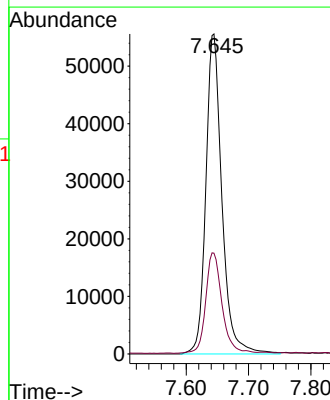
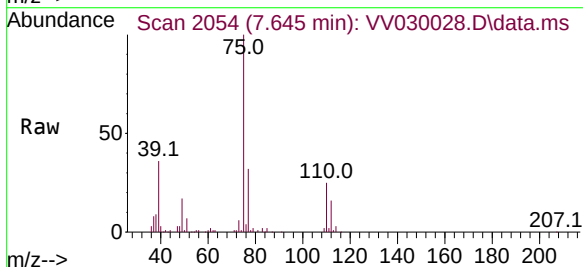
Acq: 02 Feb 2023 17:01

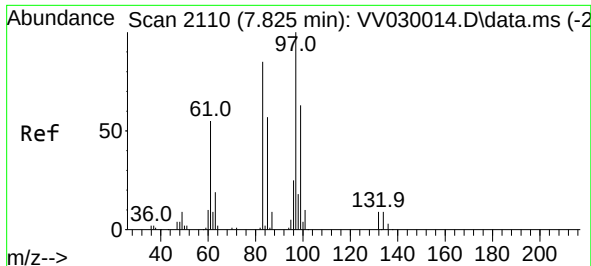
Tgt Ion: 75 Resp: 99530

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7

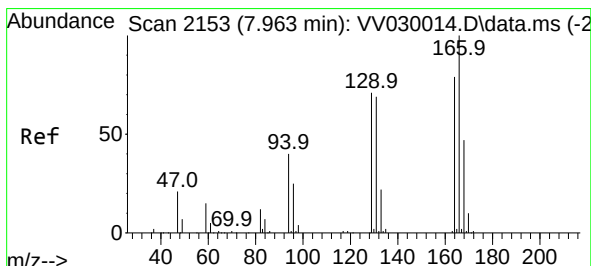
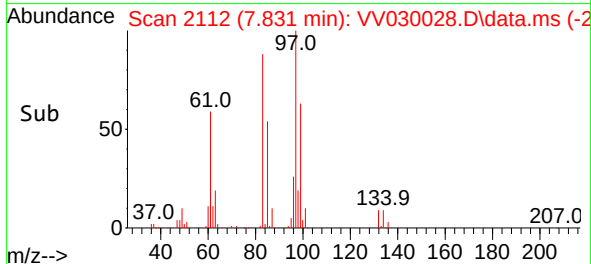
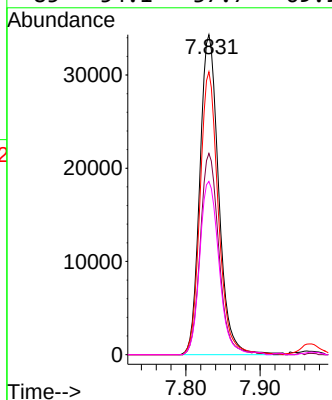
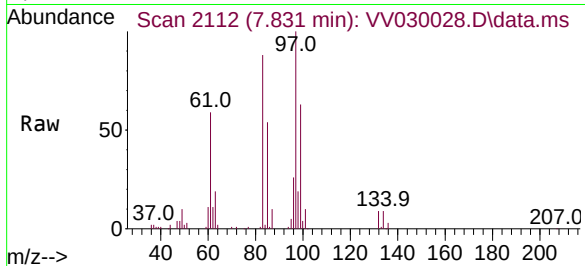




#45
 1,1,2-Trichloroethane
 Concen: 4.872 ug/L
 RT: 7.831 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

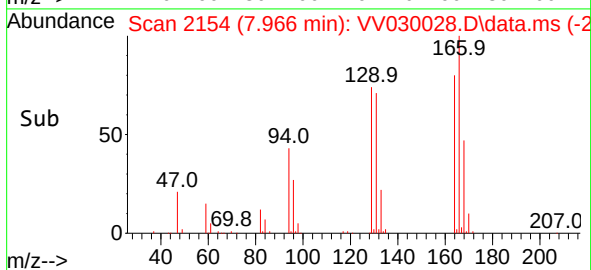
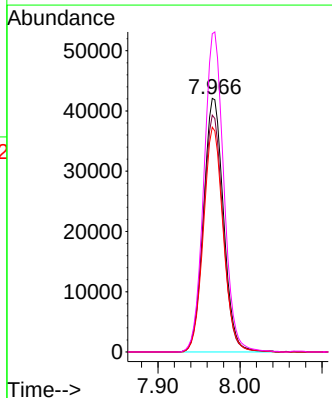
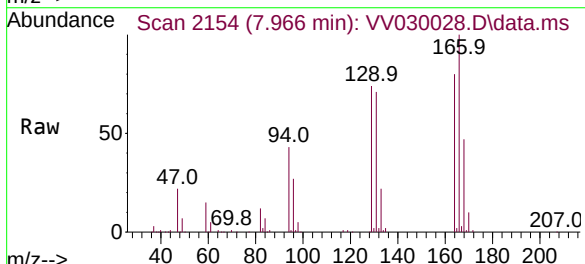
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

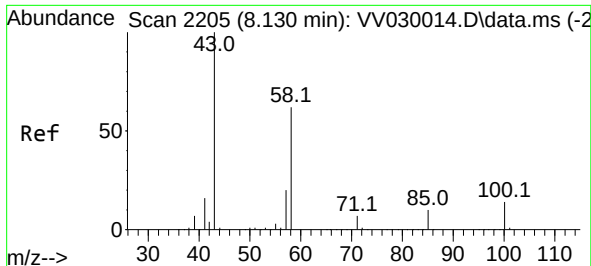
Tgt Ion:	97	Resp:	60541
Ion	Ratio	Lower	Upper
97	100		
99	62.9	41.9	77.7
83	88.4	58.7	109.1
85	54.1	37.7	69.9



#47
 Tetrachloroethene
 Concen: 4.535 ug/L
 RT: 7.966 min Scan# 2154
 Delta R.T. 0.003 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion:	164	Resp:	71263
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.5	119.7
131	88.7	62.9	116.7
166	125.5	90.7	168.5



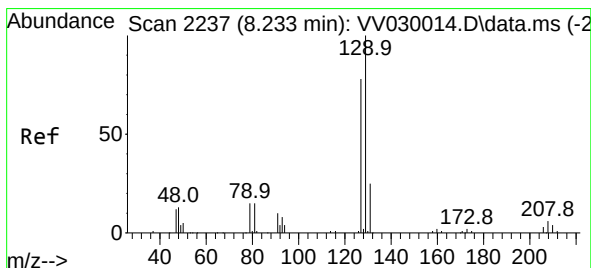
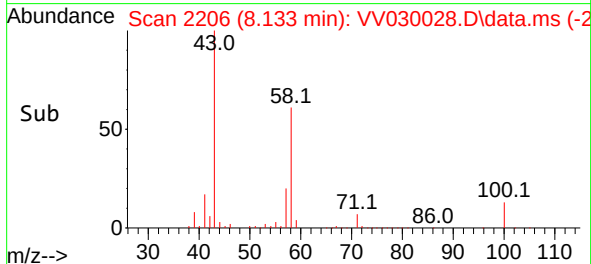
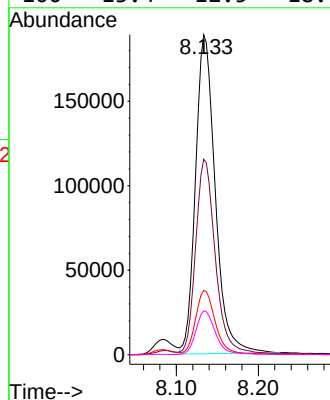
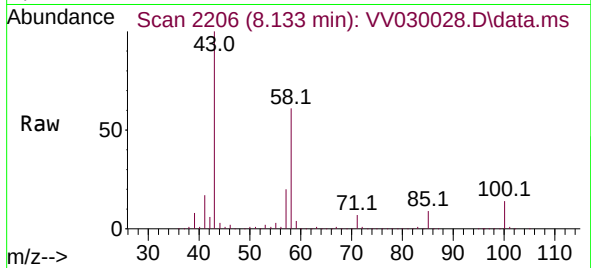


#48
2-Hexanone
Concen: 60.046 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

Tgt Ion: 43 Resp: 315912

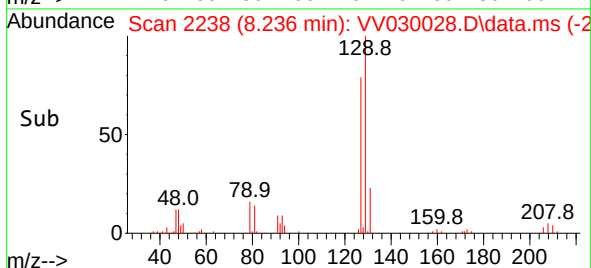
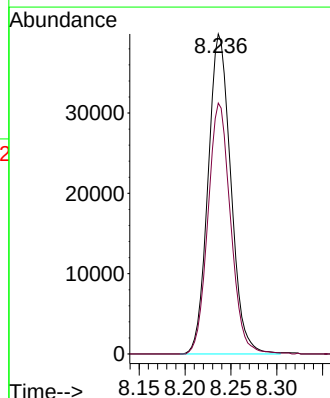
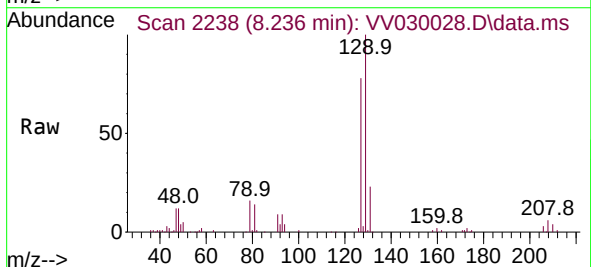
Ion	Ratio	Lower	Upper
43	100		
58	60.6	51.4	77.2
57	20.3	17.0	25.6
100	13.4	12.5	18.7

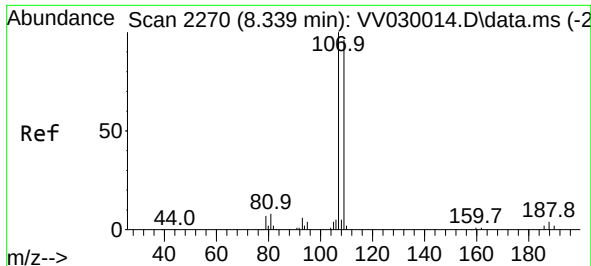


#49
Dibromochloromethane
Concen: 4.717 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 129 Resp: 68794

Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.048 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005282

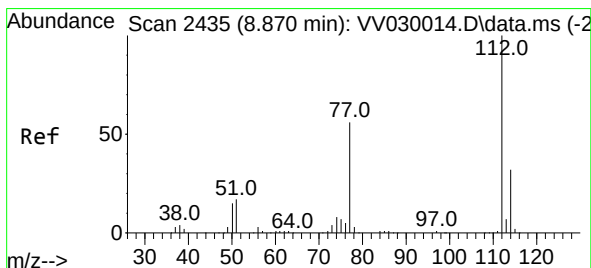
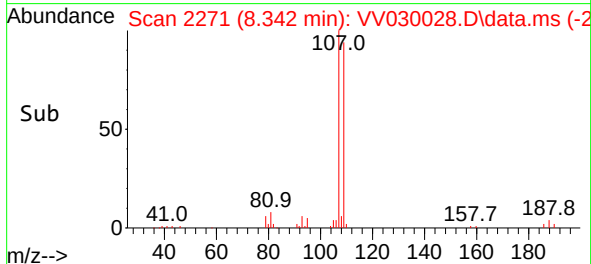
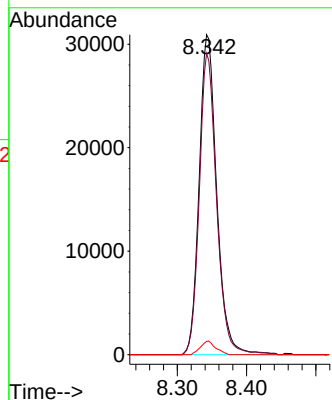
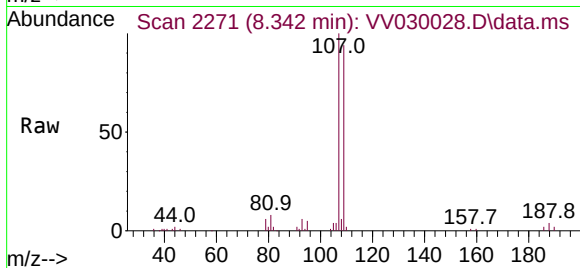
Tgt Ion:107 Resp: 54459

Ion Ratio Lower Upper

107 100

109 94.2 66.1 122.7

188 4.2 2.9 4.3



#51

Chlorobenzene

Concen: 4.766 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

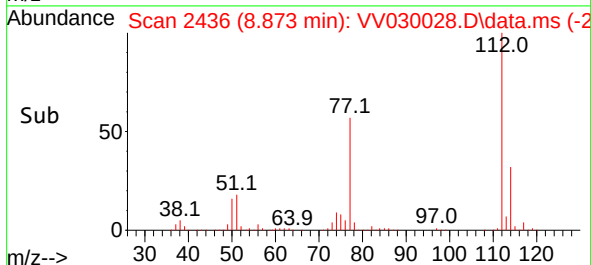
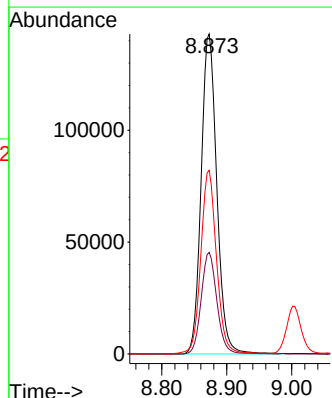
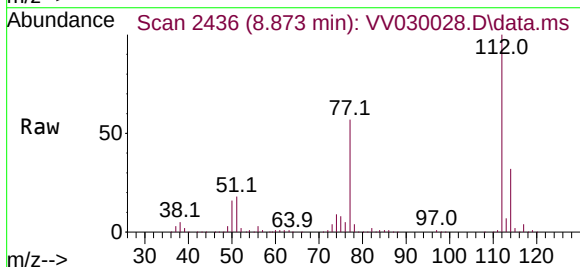
Tgt Ion:112 Resp: 240407

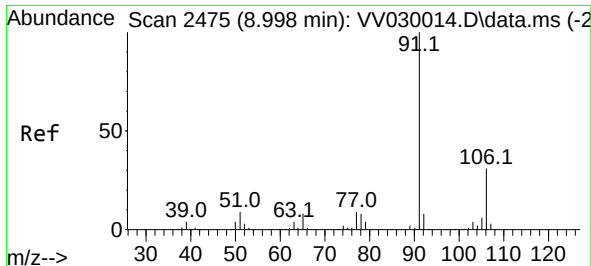
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.9

77 57.4 46.1 69.1





#52

Ethylbenzene

Concen: 4.668 ug/L

RT: 9.005 min Scan# 2475

Delta R.T. 0.006 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

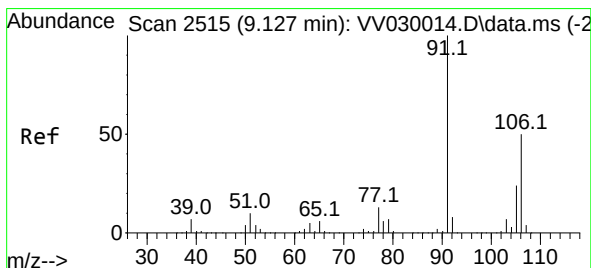
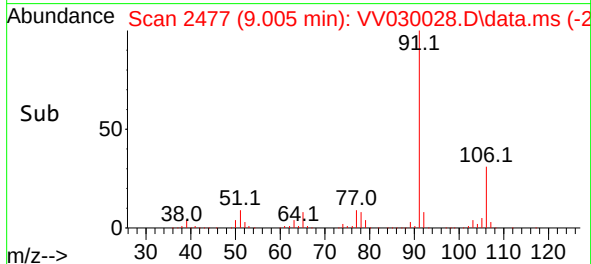
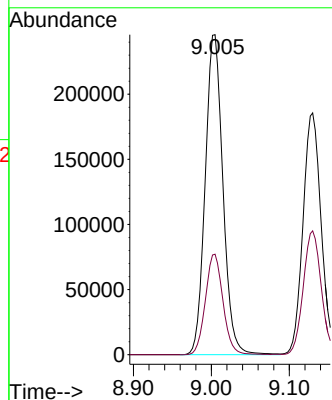
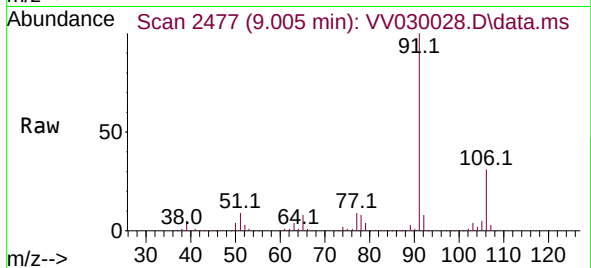
VSTD005282

Tgt Ion: 91 Resp: 388067

Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7



#53

m,p-Xylene

Concen: 4.679 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV030028.D

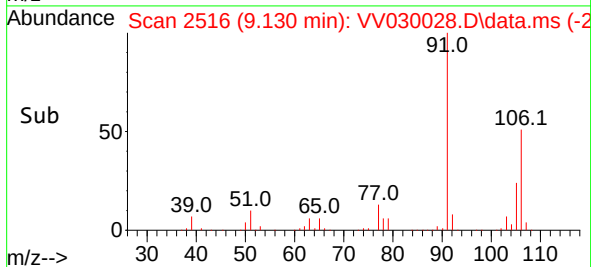
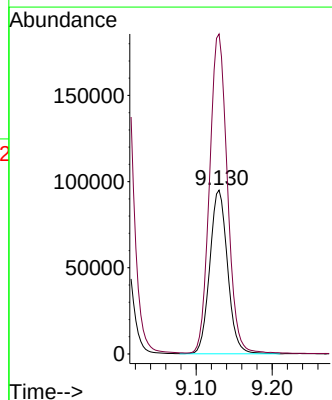
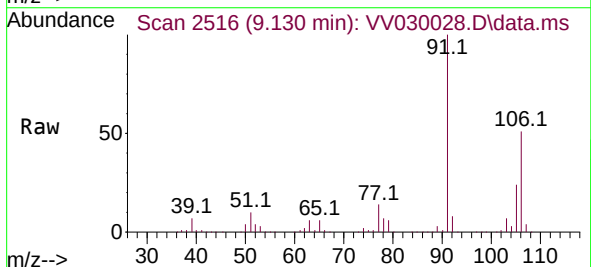
Acq: 02 Feb 2023 17:01

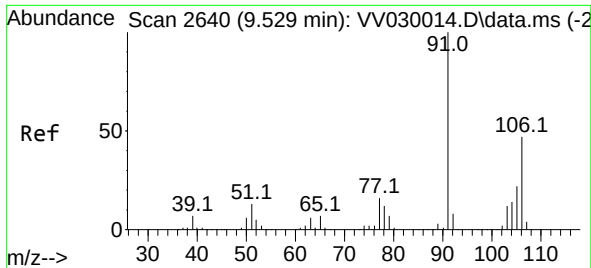
Tgt Ion: 106 Resp: 153986

Ion Ratio Lower Upper

106 100

91 195.2 138.7 257.7

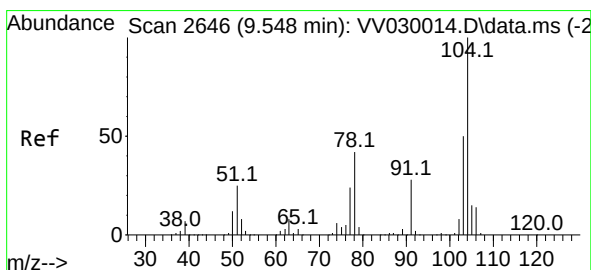
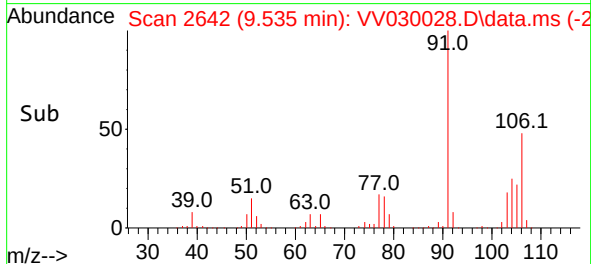
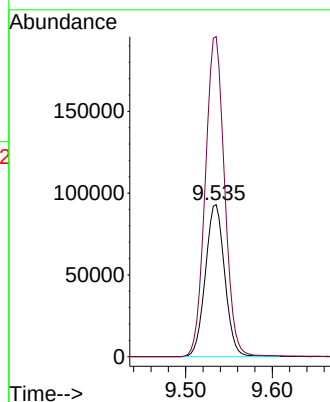
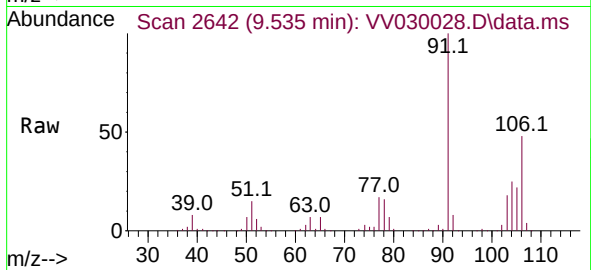




#54
o-Xylene
Concen: 4.617 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.006 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

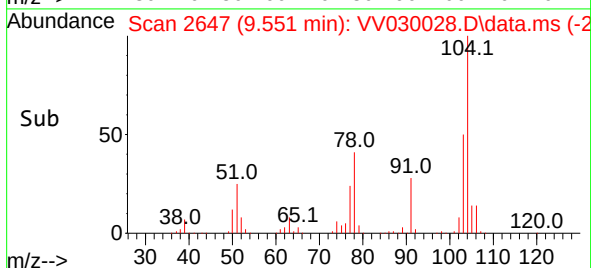
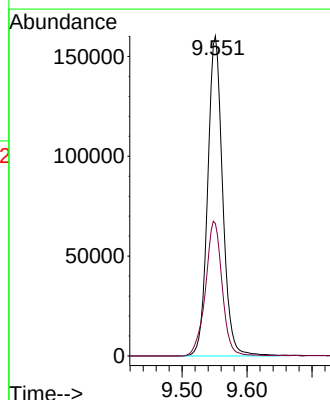
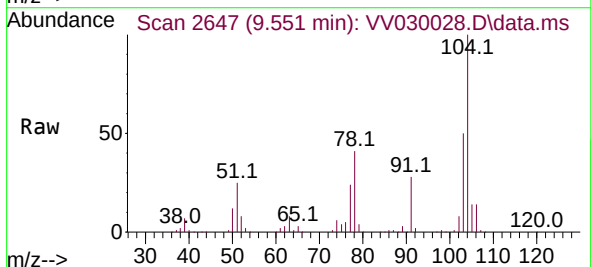
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

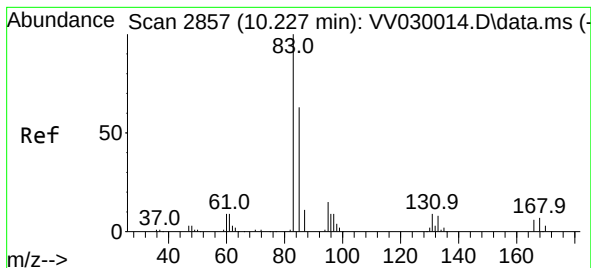
Tgt Ion:106 Resp: 144196
Ion Ratio Lower Upper
106 100
91 210.5 147.7 274.3



#55
Styrene
Concen: 4.782 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion:104 Resp: 256881
Ion Ratio Lower Upper
104 100
78 41.4 28.6 53.2

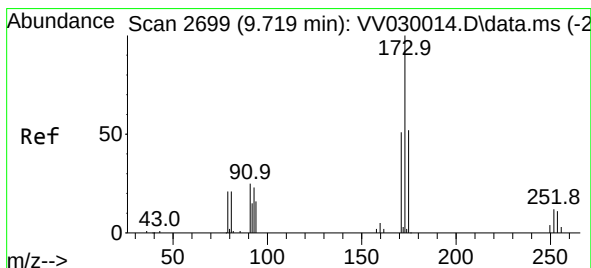
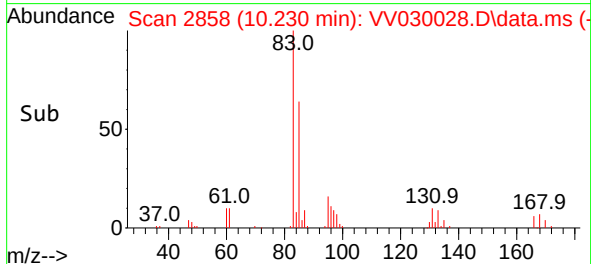
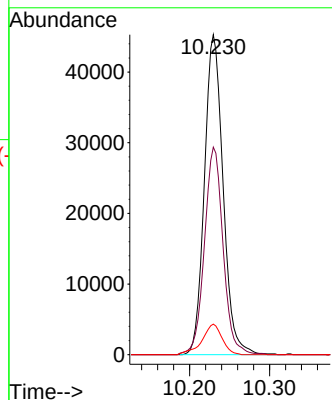
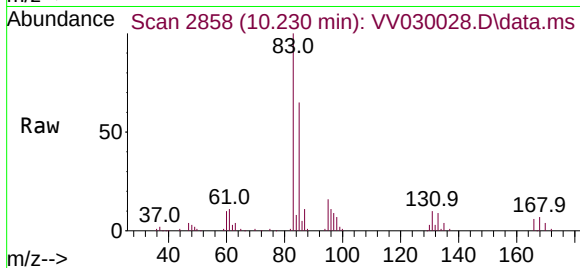




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.335 ug/L
 RT: 10.230 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

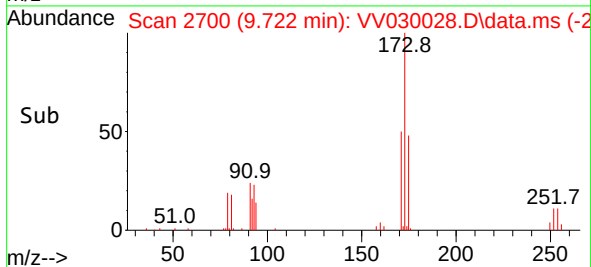
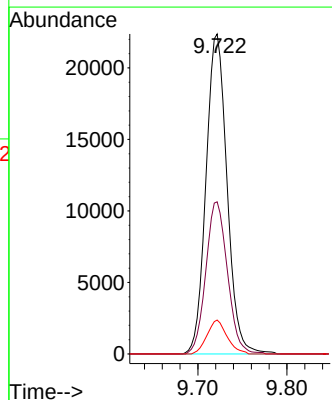
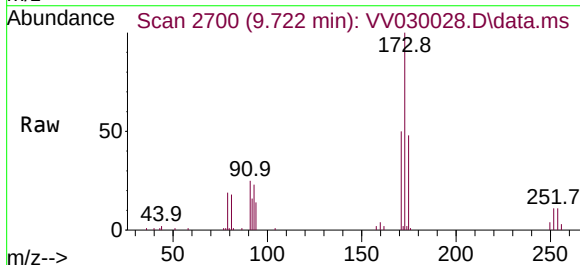
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

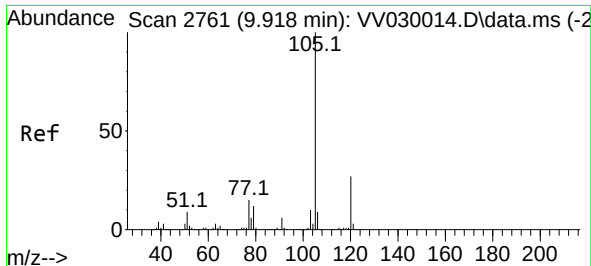
Tgt Ion: 83 Resp: 73645
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.0 85.4
 131 9.6 8.4 12.6



#59
 Bromoform
 Concen: 4.525 ug/L
 RT: 9.722 min Scan# 2700
 Delta R.T. 0.003 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion: 173 Resp: 36647
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.6 57.8
 254 10.1 7.9 11.9

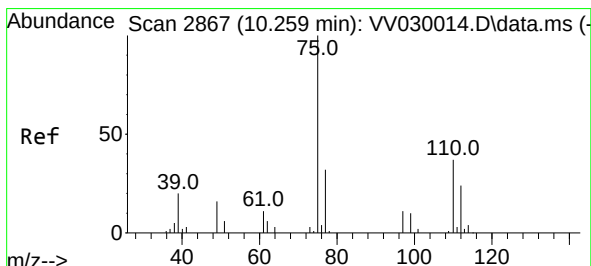
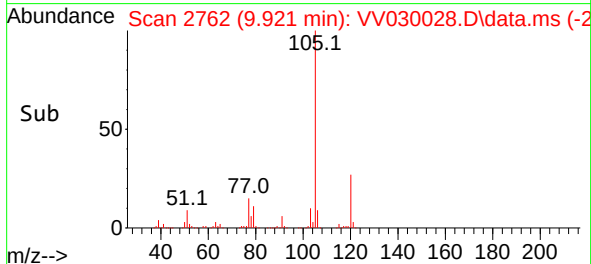
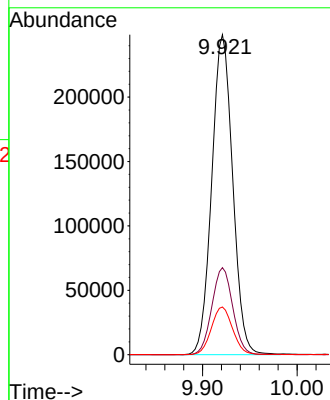
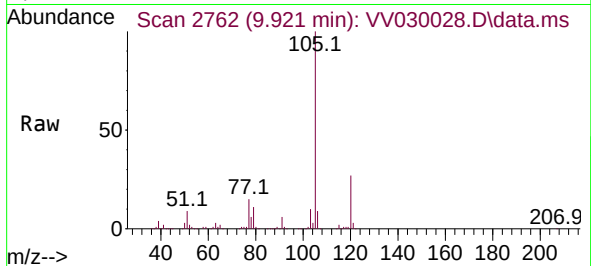




#60
Isopropylbenzene
Concen: 4.781 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

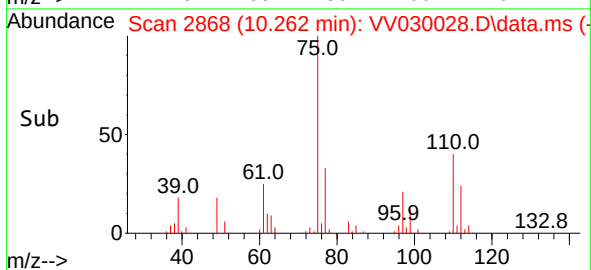
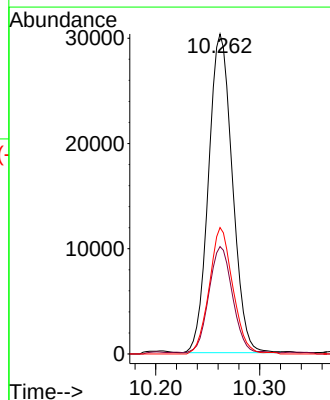
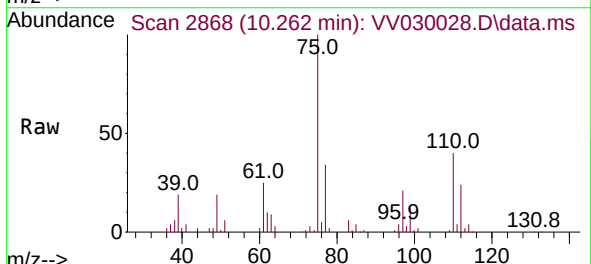
Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

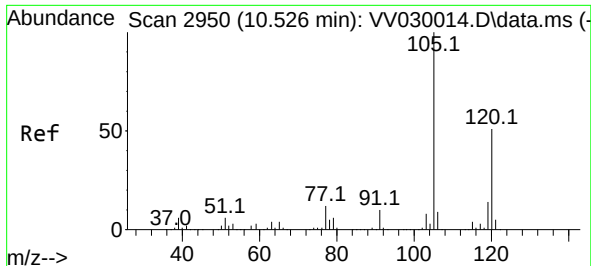
Tgt Ion:105 Resp: 382153
Ion Ratio Lower Upper
105 100
120 27.2 21.2 31.8
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.211 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.003 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion: 75 Resp: 48243
Ion Ratio Lower Upper
75 100
77 32.9 26.5 39.7
110 39.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.564 ug/L

RT: 10.529 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

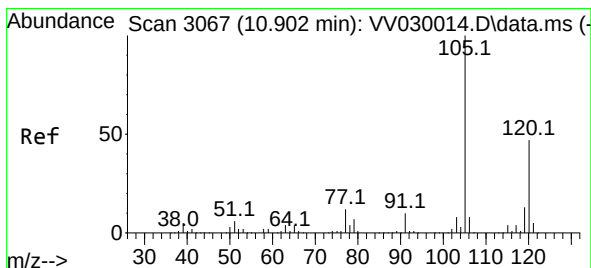
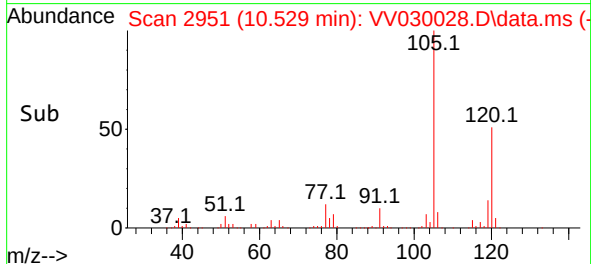
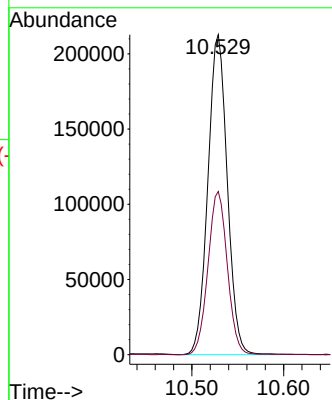
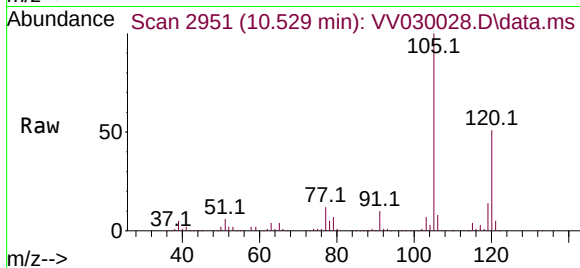
VSTD005282

Tgt Ion:105 Resp: 312590

Ion Ratio Lower Upper

105 100

120 51.0 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.673 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV030028.D

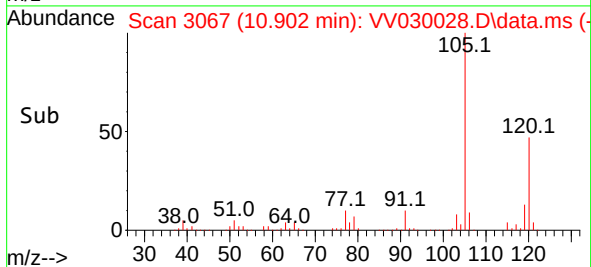
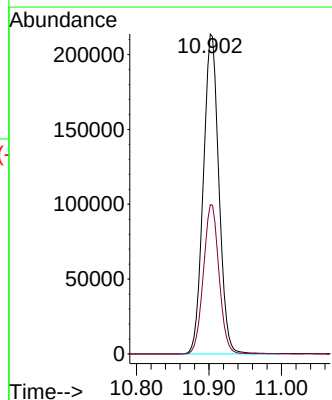
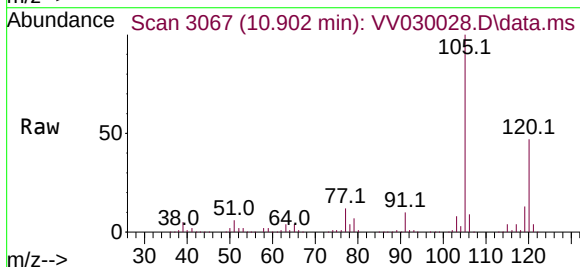
Acq: 02 Feb 2023 17:01

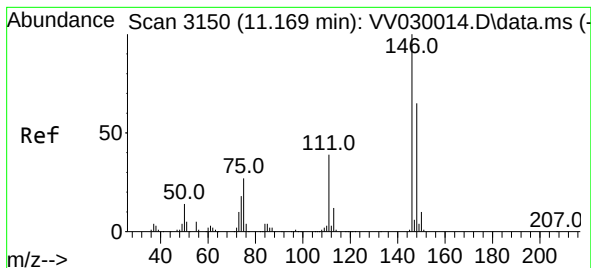
Tgt Ion:105 Resp: 319153

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 4.771 ug/L

RT: 11.169 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005282

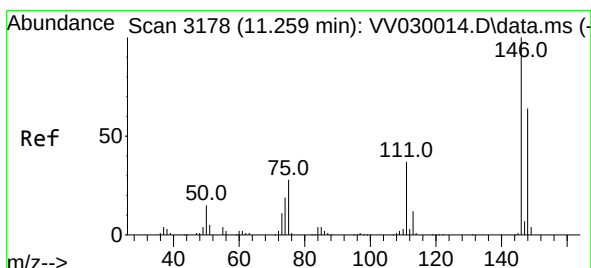
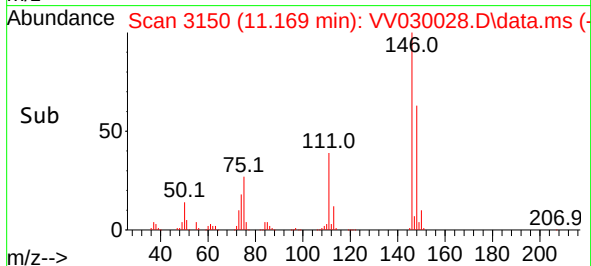
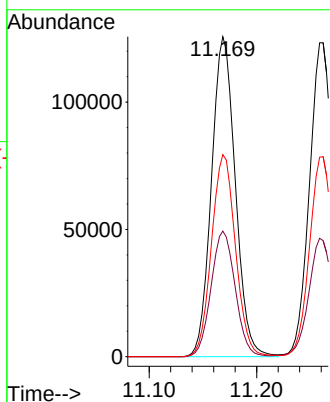
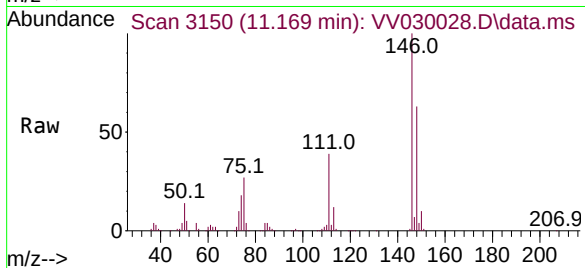
Tgt Ion:146 Resp: 193637

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.6

148 63.2 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 4.793 ug/L

RT: 11.262 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VV030028.D

Acq: 02 Feb 2023 17:01

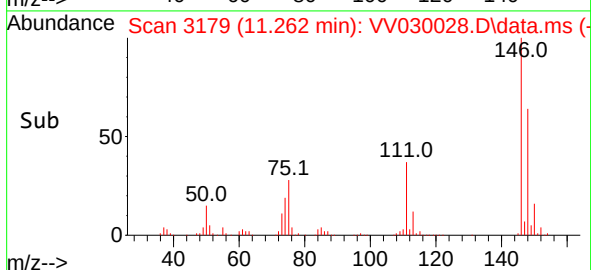
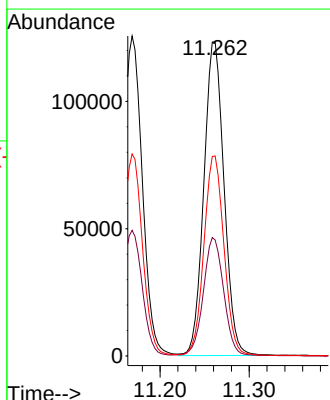
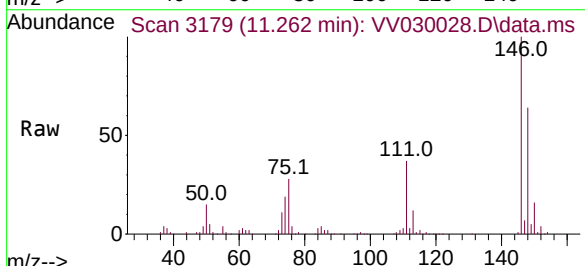
Tgt Ion:146 Resp: 193925

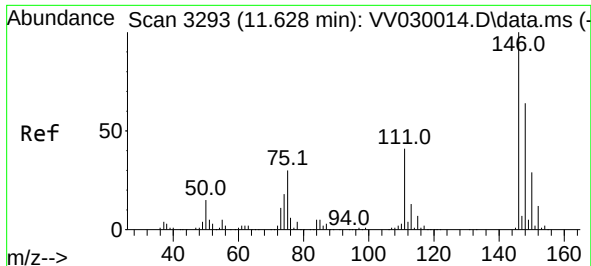
Ion Ratio Lower Upper

146 100

111 36.9 26.5 49.1

148 63.7 45.8 85.2

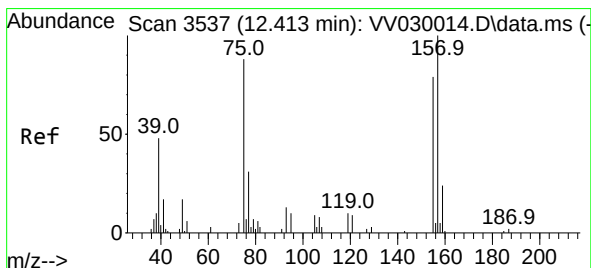
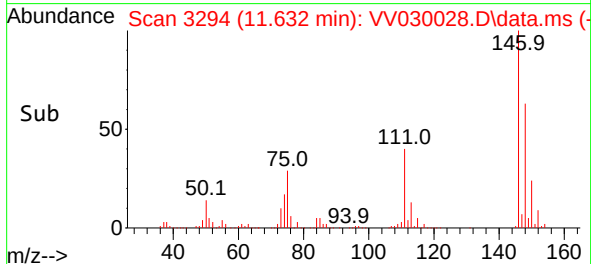
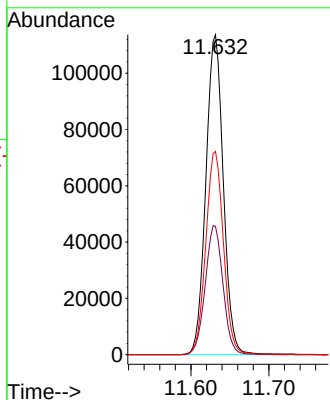
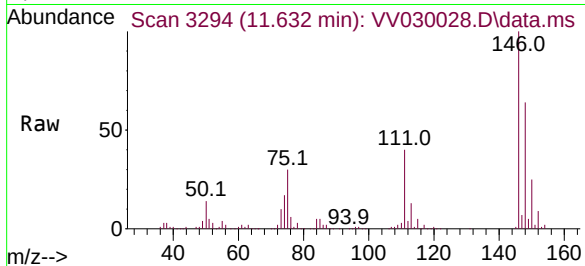




#67
 1,2-Dichlorobenzene
 Concen: 4.856 ug/L
 RT: 11.632 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

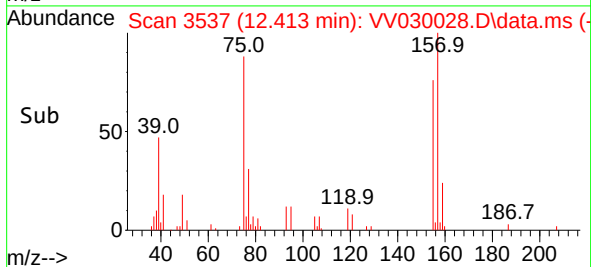
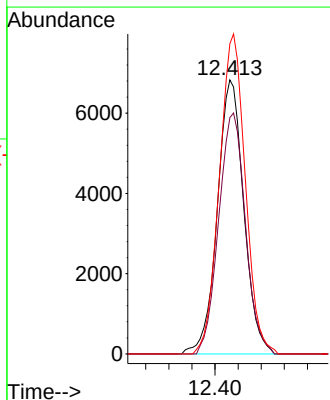
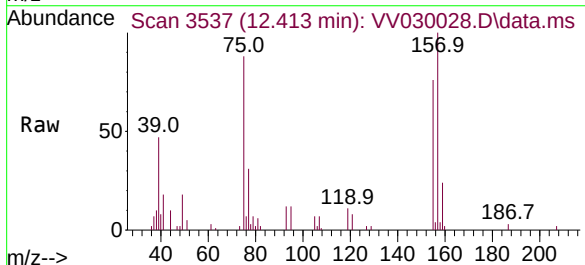
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

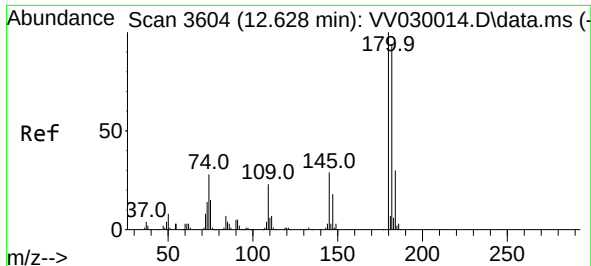
Tgt Ion:146 Resp: 177167
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.8 47.8
 148 63.5 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.950 ug/L
 RT: 12.413 min Scan# 3537
 Delta R.T. -0.000 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion: 75 Resp: 10837
 Ion Ratio Lower Upper
 75 100
 155 86.2 75.5 113.3
 157 113.2 99.2 148.8

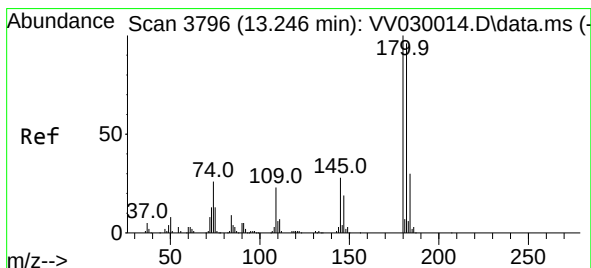
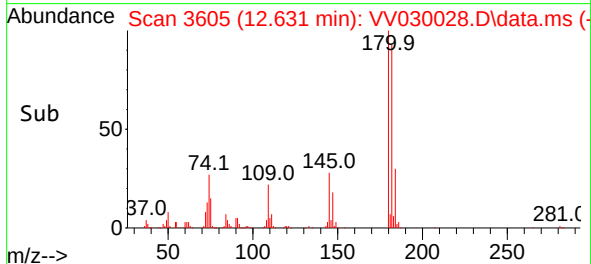
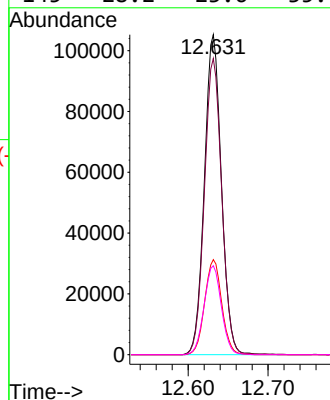
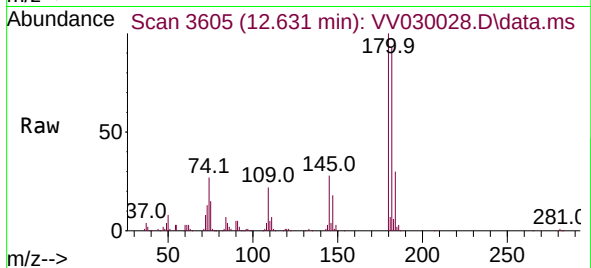




#69
 1,3,5-Trichlorobenzene
 Concen: 4.776 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. 0.003 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

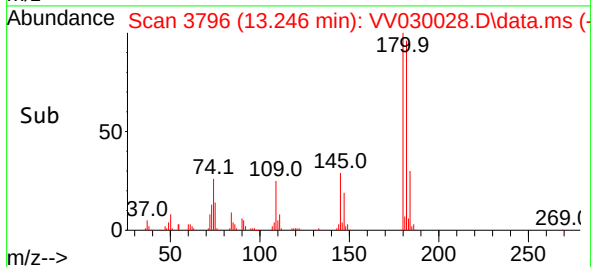
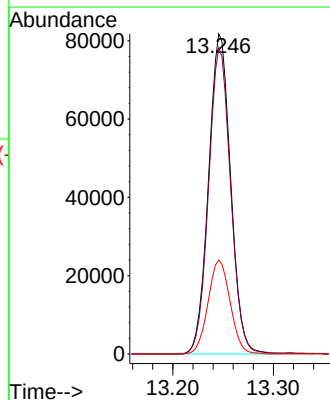
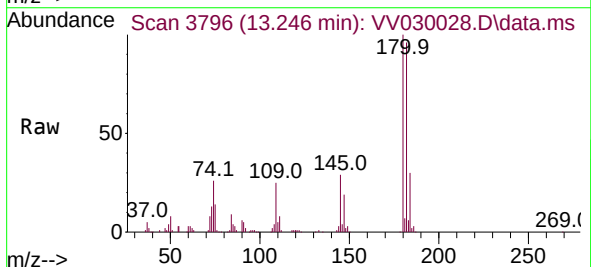
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005282

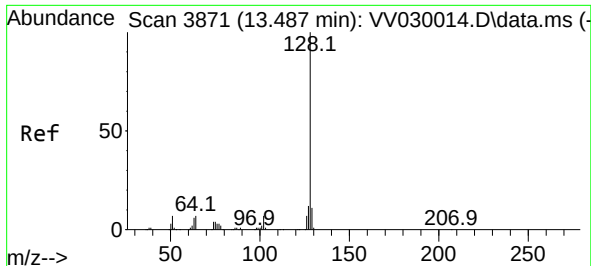
Tgt Ion:180 Resp: 156022
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.4 113.2
 184 29.9 23.9 35.9
 145 28.2 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 4.880 ug/L
 RT: 13.246 min Scan# 3796
 Delta R.T. -0.000 min
 Lab File: VV030028.D
 Acq: 02 Feb 2023 17:01

Tgt Ion:180 Resp: 124570
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 29.3 23.7 35.5

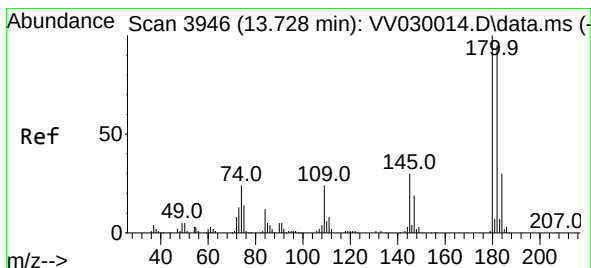
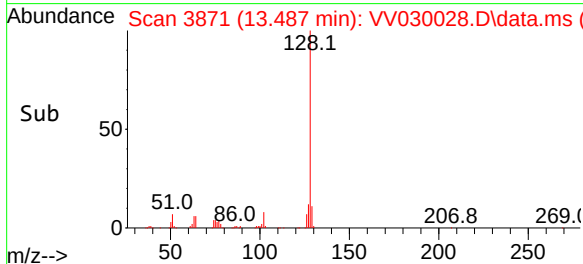
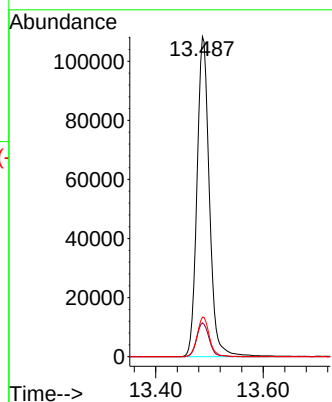
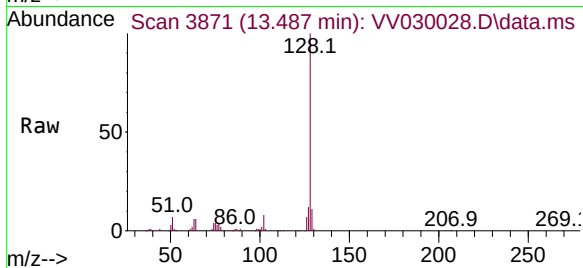




#71
Naphthalene
Concen: 5.241 ug/L
RT: 13.487 min Scan# 3871
Delta R.T. -0.000 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005282

Tgt Ion:128 Resp: 173342
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 12.2 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.074 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VV030028.D
Acq: 02 Feb 2023 17:01

Tgt Ion:180 Resp: 107506
Ion Ratio Lower Upper
180 100
182 95.5 75.5 113.3
145 30.8 25.0 37.6

