

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091922\
 Data File : VW027931.D
 Acq On : 19 Sep 2022 16:55
 Operator : SY/MD
 Sample : VSTD00542
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005242

Quant Time: Sep 20 01:26:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 20 01:24:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	128445	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	131725	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	73478	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	49527	5.597	ug/L	0.00
7) Chloroethane-d5	1.561	69	42900	5.712	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.101	63	79099	4.511	ug/L	0.00
20) 2-Butanone-d5	3.883	46	82899	45.395	ug/L	0.00
24) Chloroform-d	4.339	84	84593	4.904	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	35330	3.985	ug/L	0.00
32) Benzene-d6	5.043	84	159993	4.382	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	48890	4.614	ug/L	0.00
41) Toluene-d8	7.310	98	144773	4.703	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	17164	4.689	ug/L	0.00
46) 2-Hexanone-d5	8.085	63	82030	57.002	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	39621	5.448	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	56515	4.733	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.124	85	47848	3.955	ug/L	100
3) Chloromethane	1.237	50	47596	4.249	ug/L	100
5) Vinyl chloride	1.304	62	50747	4.466	ug/L	100
6) Bromomethane	1.516	94	36371	5.551	ug/L	100
8) Chloroethane	1.581	64	34843	5.193	ug/L	100
9) Trichlorofluoromethane	1.748	101	80916	4.430	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	49470	5.307	ug/L	100
12) 1,1-Dichloroethene	2.111	96	45233	5.242	ug/L	100
13) Acetone	2.175	43	50793	37.701	ug/L	98
14) Carbon disulfide	2.288	76	89691	3.729	ug/L	100
15) Methyl Acetate	2.433	43	13062	3.764	ug/L	100
16) Methylene chloride	2.500	84	51924	4.633	ug/L	100
17) Methyl tert-butyl Ether	2.761	73	82232	4.228	ug/L	100
18) trans-1,2-Dichloroethene	2.754	96	42411	4.739	ug/L	100
19) 1,1-Dichloroethane	3.182	63	83135	4.932	ug/L	100
21) 2-Butanone	3.966	43	78633	41.519	ug/L	100
22) cis-1,2-Dichloroethene	3.902	96	48430	4.974	ug/L	100
23) Bromochloromethane	4.243	128	21583	5.185	ug/L	100
25) Chloroform	4.368	83	87648	4.774	ug/L	100
27) 1,2-Dichloroethane	5.127	62	43202	4.040	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	71614	3.826	ug/L	100
30) Cyclohexane	4.670	56	51976	3.444	ug/L	100
31) Carbon tetrachloride	4.822	117	64188	4.005	ug/L	100
33) Benzene	5.092	78	178526	4.311	ug/L	100
34) Trichloroethene	5.908	95	44830	4.386	ug/L	100
35) Methylcyclohexane	6.127	83	62843	4.054	ug/L	100
37) 1,2-Dichloropropane	6.166	63	48596	4.918	ug/L	100
38) Bromodichloromethane	6.503	83	59257	4.537	ug/L	100
39) cis-1,3-Dichloropropene	7.024	75	58770	4.585	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	203947	45.123	ug/L	100
42) Toluene	7.384	91	198870	4.890	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	51188	4.775	ug/L	100

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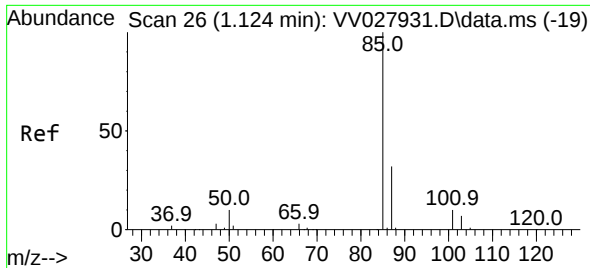
Quant Time: Sep 20 01:26:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091922WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	34437	5.196	ug/L	100
47) Tetrachloroethene	7.973	164	39568	4.660	ug/L	100
48) 2-Hexanone	8.137	43	146297	45.265	ug/L	100
49) Dibromochloromethane	8.243	129	42289	5.031	ug/L	100
50) 1,2-Dibromoethane	8.349	107	31566	5.238	ug/L	100
51) Chlorobenzene	8.879	112	129759	4.847	ug/L	100
52) Ethylbenzene	9.008	91	200132	4.706	ug/L	100
53) m,p-Xylene	9.137	106	80411	4.811	ug/L	100
54) o-Xylene	9.542	106	77629	4.855	ug/L	100
55) Styrene	9.558	104	138606	4.994	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	41902	5.510	ug/L	100
59) Bromoform	9.728	173	23553	5.270	ug/L	100
60) Isopropylbenzene	9.928	105	209778	4.723	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	27007	4.702	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	55513	4.454	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	159759	4.464	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	111324	4.848	ug/L	100
65) 1,4-Dichlorobenzene	11.268	146	111471	4.814	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	102626	4.903	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.423	75	5910	4.742	ug/L	100
69) 1,3,5-Trichlorobenzene	12.641	180	86798	4.902	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	69586	4.892	ug/L	100
71) Naphthalene	13.500	128	101223	4.481	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	63890	5.029	ug/L	100

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

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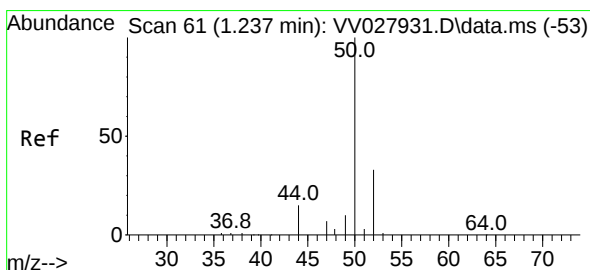
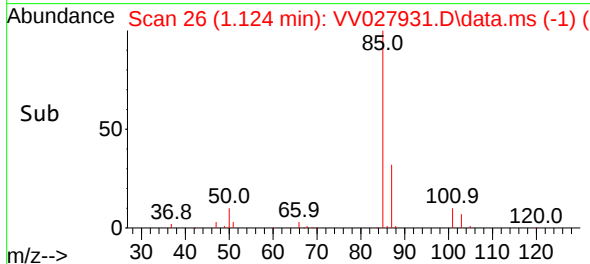
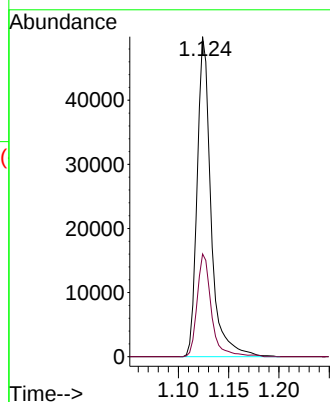
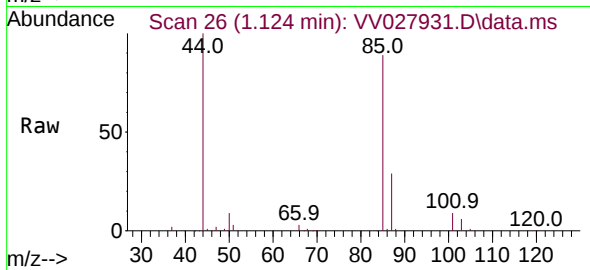




#2
 Dichlorodifluoromethane
 Concen: 3.955 ug/L
 RT: 1.124 min Scan# 26
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

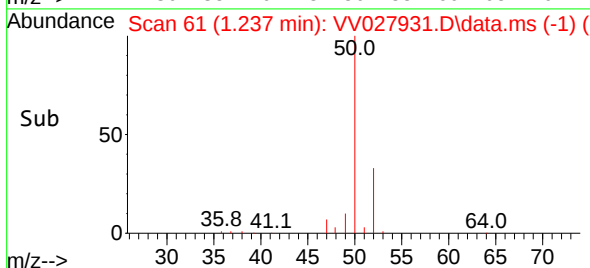
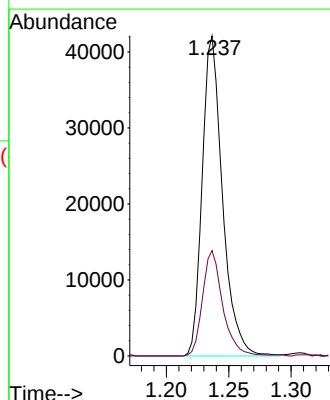
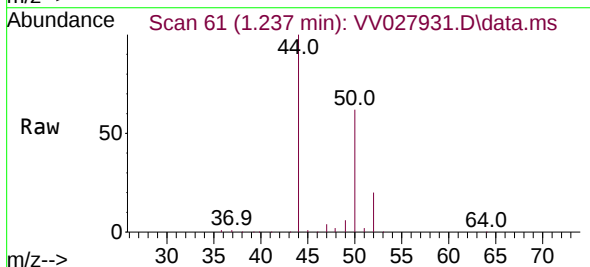
Instrument :
 MSVOA_V
 ClientSampleId :
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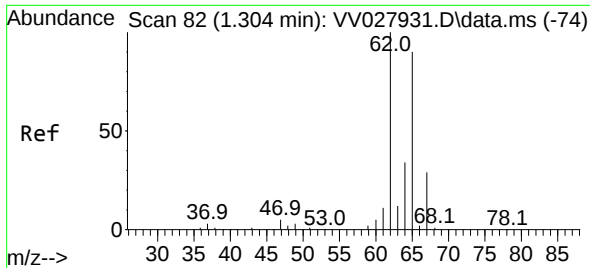
Tgt Ion: 85 Resp: 47848
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.5 39.7



#3
 Chloromethane
 Concen: 4.249 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

Tgt Ion: 50 Resp: 47596
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.8

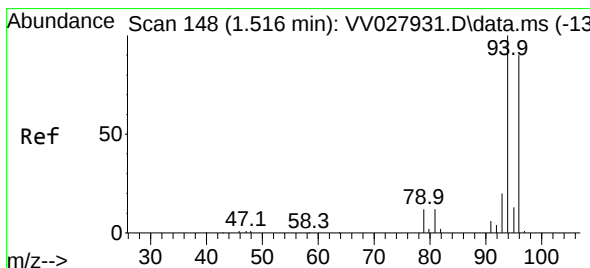
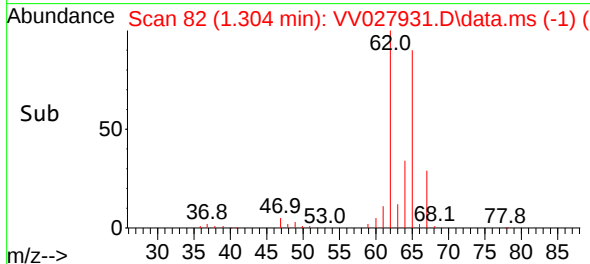
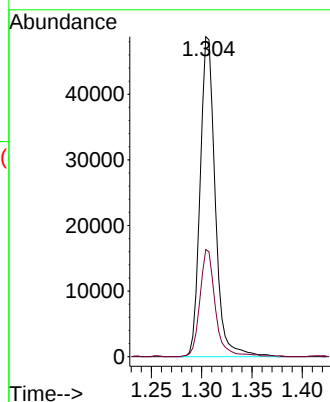
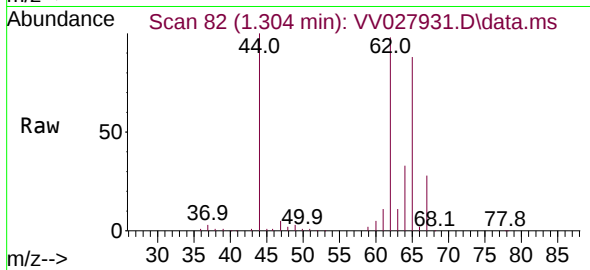




#5
 Vinyl chloride
 Concen: 4.466 ug/L
 RT: 1.304 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

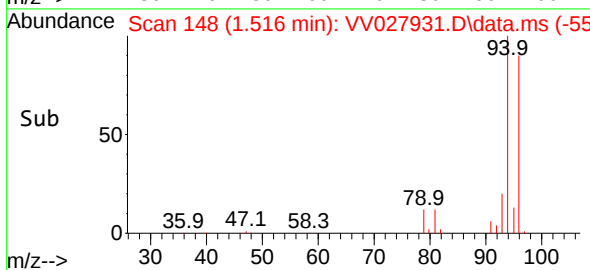
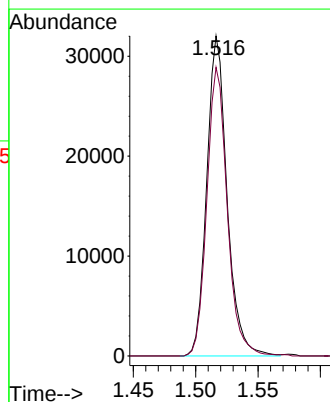
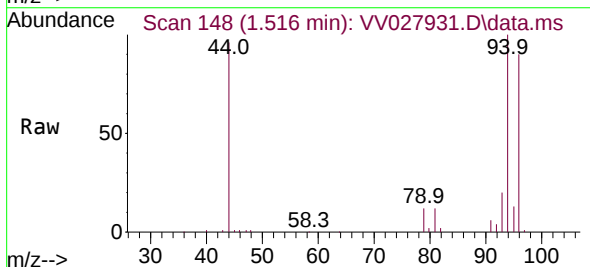
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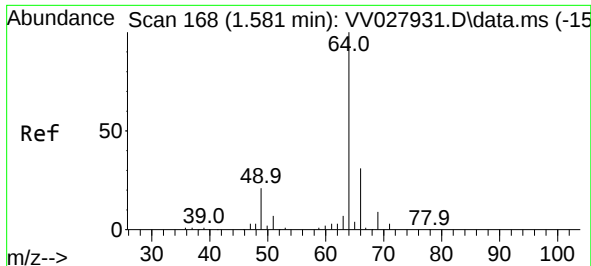
Tgt Ion: 62 Resp: 50747
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 5.551 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

Tgt Ion: 94 Resp: 36371
 Ion Ratio Lower Upper
 94 100
 96 90.2 63.1 117.3

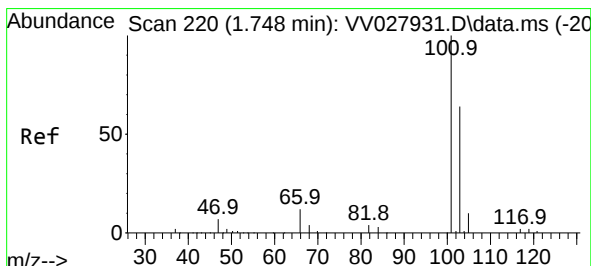
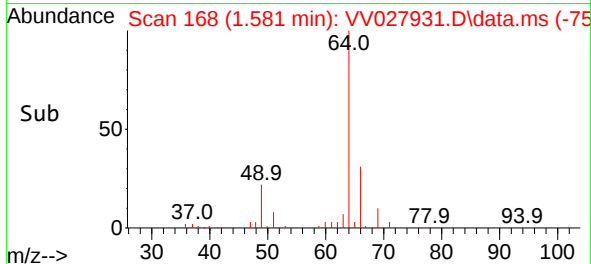
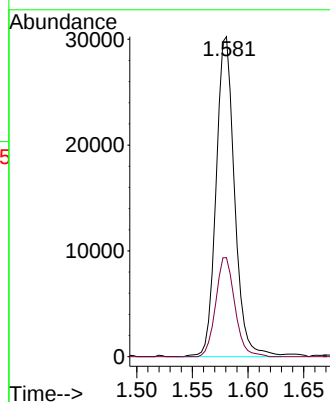
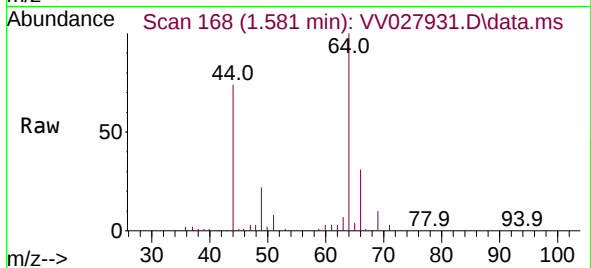




#8
Chloroethane
Concen: 5.193 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

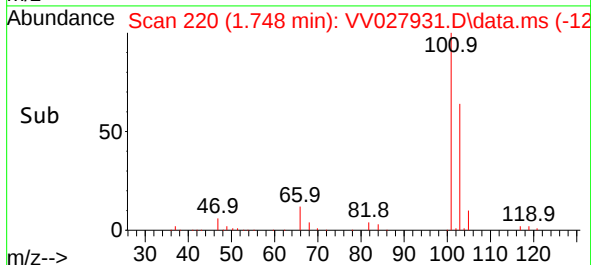
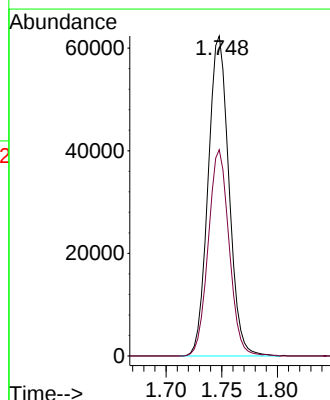
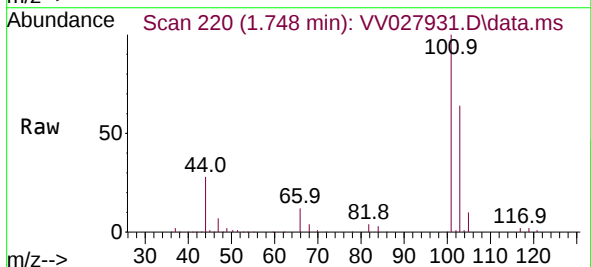
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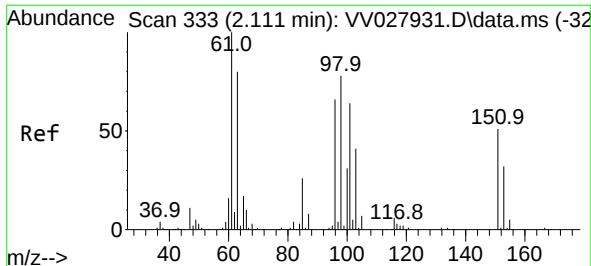
Tgt Ion: 64 Resp: 34843
Ion Ratio Lower Upper
64 100
66 30.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.430 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion:101 Resp: 80916
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

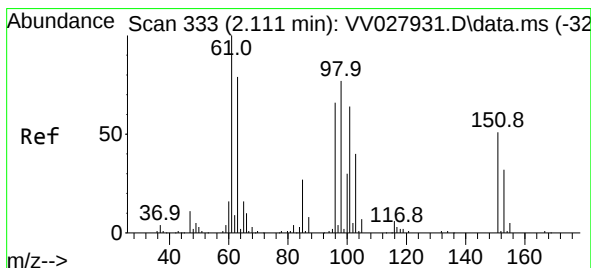
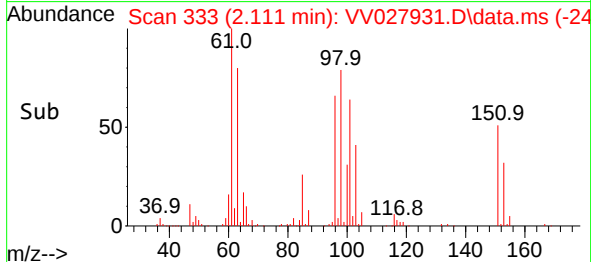
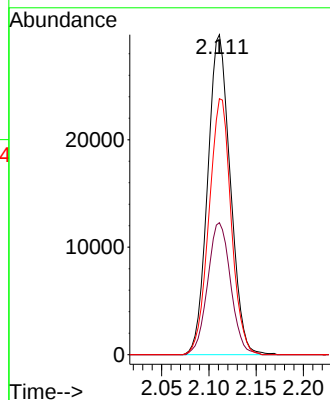
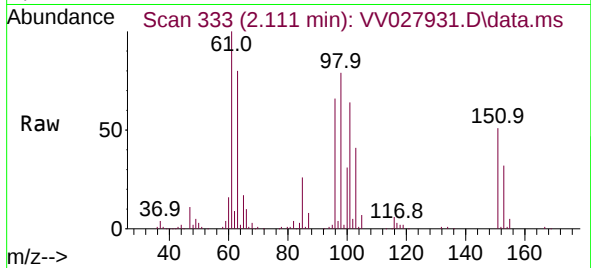




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.307 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

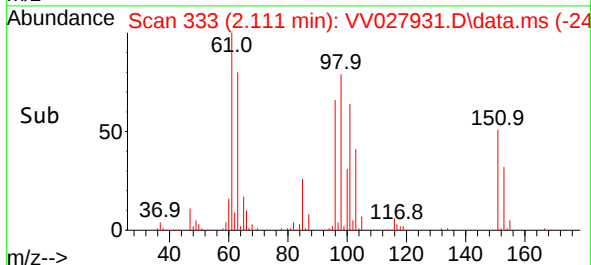
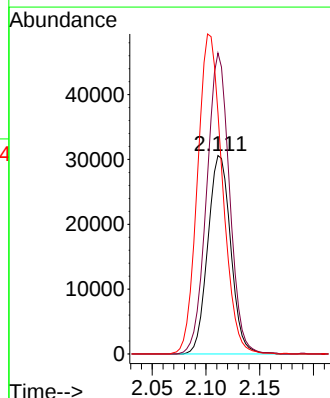
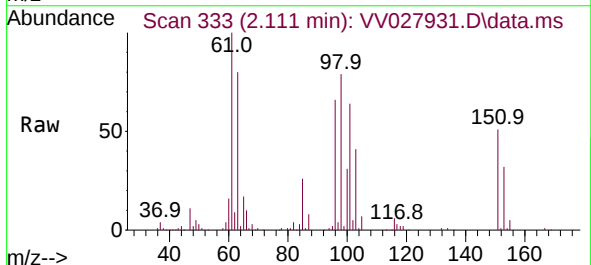
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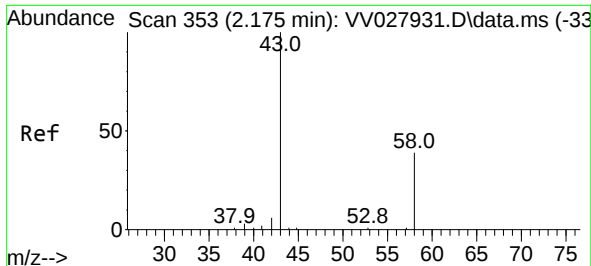
Tgt Ion:101 Resp: 49470
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.6 50.4
 151 78.6 62.9 94.3



#12
 1,1-Dichloroethene
 Concen: 5.242 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

Tgt Ion: 96 Resp: 45233
 Ion Ratio Lower Upper
 96 100
 61 151.7 106.2 197.2
 63 121.5 85.0 158.0





#13

Acetone

Concen: 37.701 ug/L

RT: 2.175 min Scan# 353

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

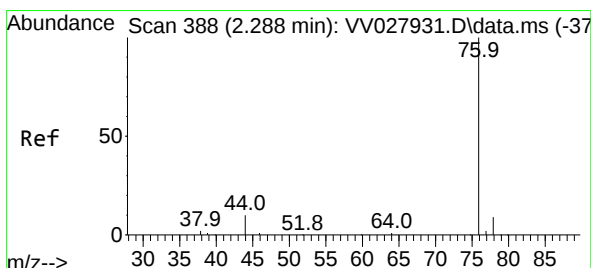
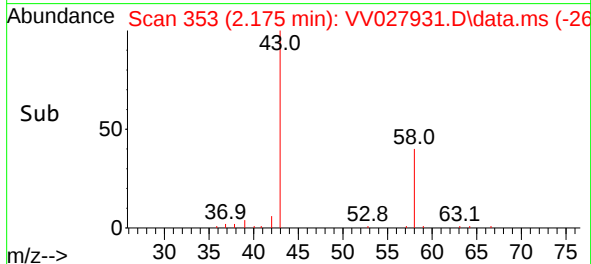
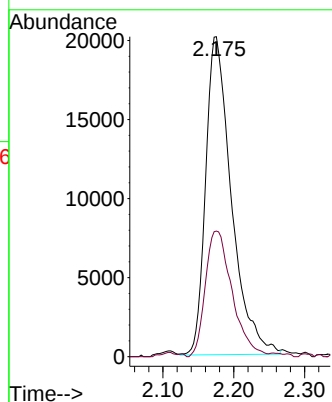
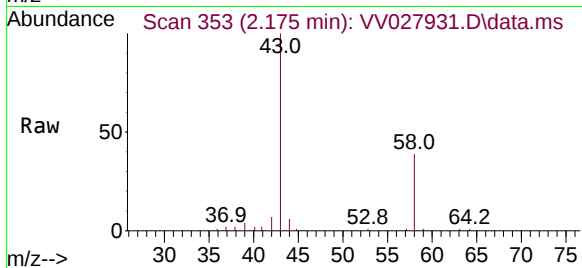
VSTD005242

Tgt Ion: 43 Resp: 50793

Ion Ratio Lower Upper

43 100

58 41.0 0.0 79.8



#14

Carbon disulfide

Concen: 3.729 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV027931.D

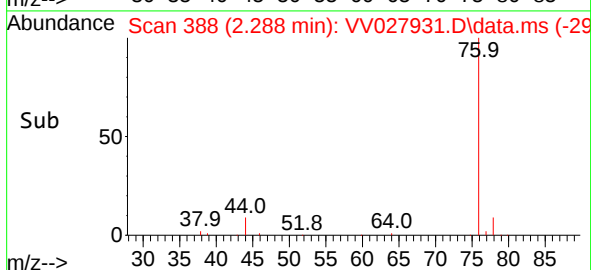
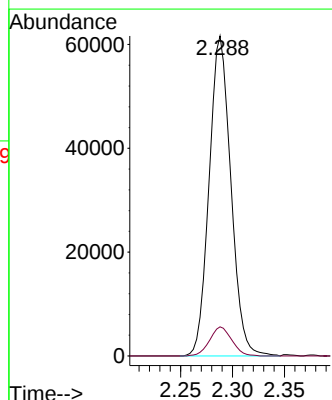
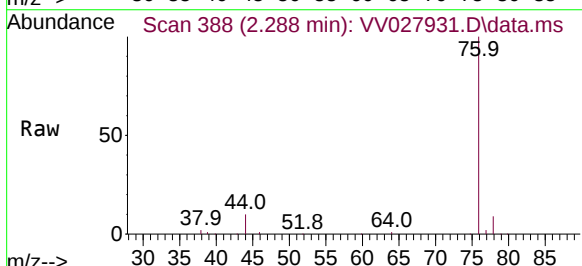
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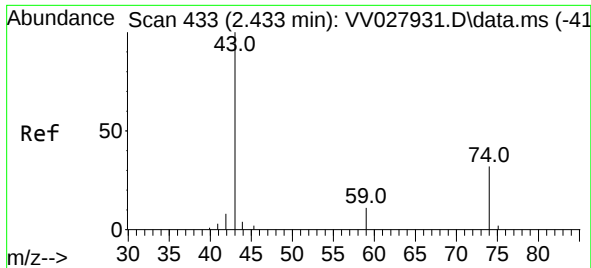
Tgt Ion: 76 Resp: 89691

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

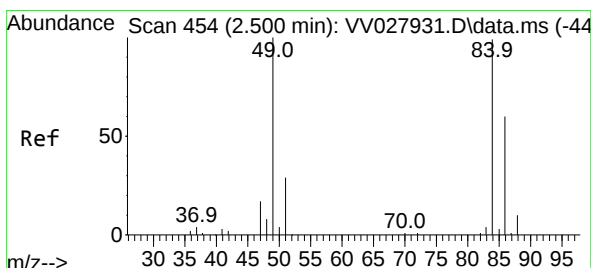
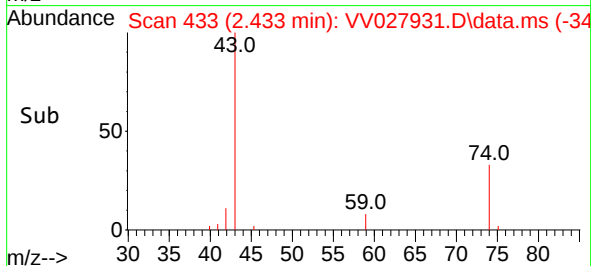
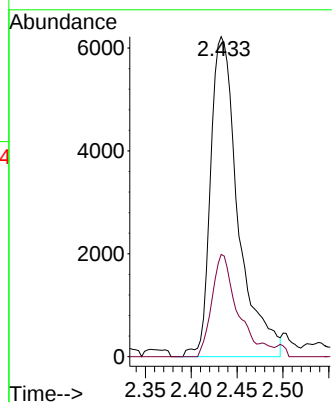
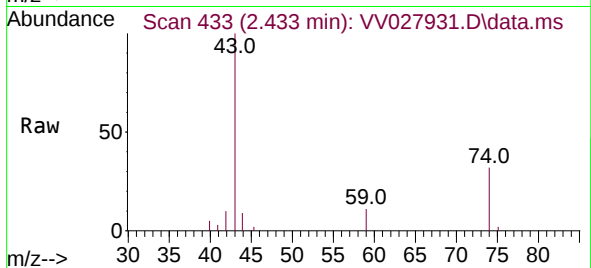




#15
Methyl Acetate
Concen: 3.764 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

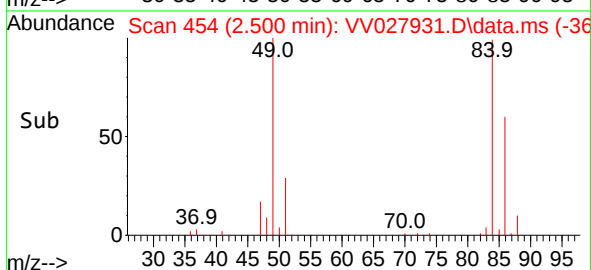
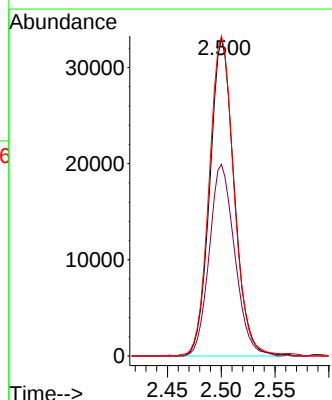
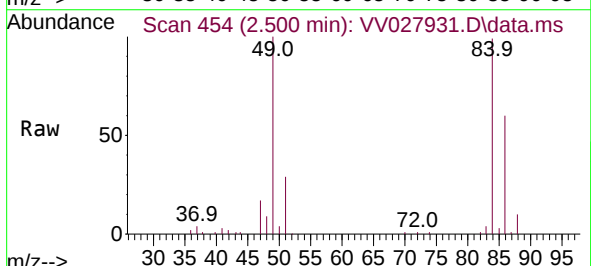
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

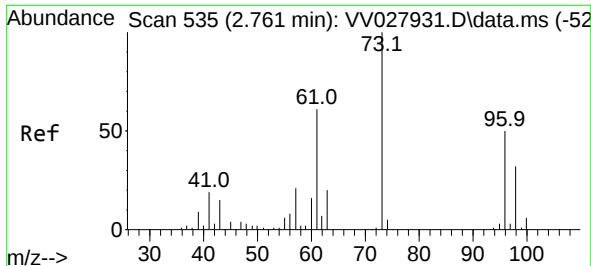
Tgt Ion: 43 Resp: 13062
Ion Ratio Lower Upper
43 100
74 30.3 24.2 36.4



#16
Methylene chloride
Concen: 4.633 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 84 Resp: 51924
Ion Ratio Lower Upper
84 100
86 60.5 42.4 78.6
49 101.0 70.7 131.3

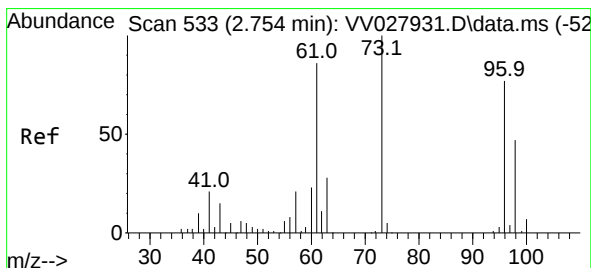
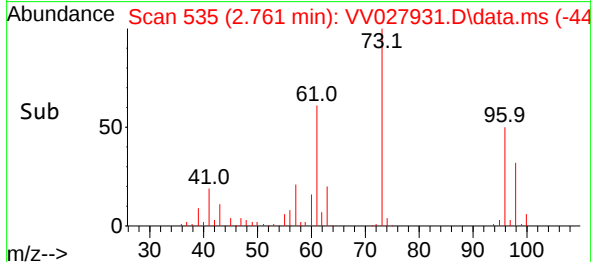
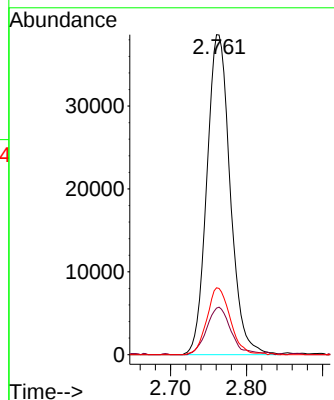
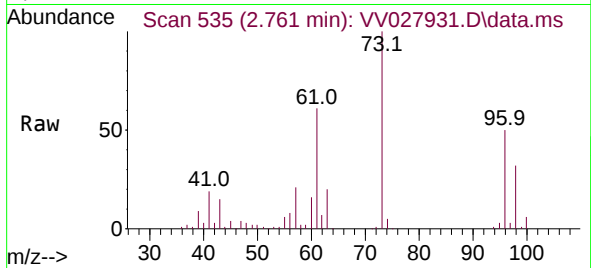




#17
Methyl tert-butyl Ether
Concen: 4.228 ug/L
RT: 2.761 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

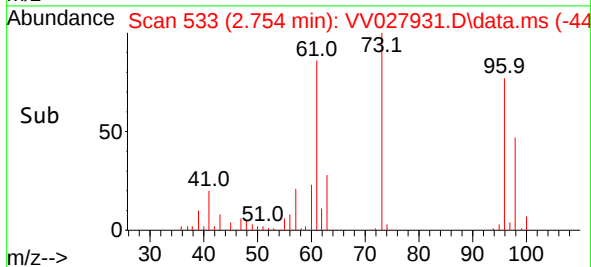
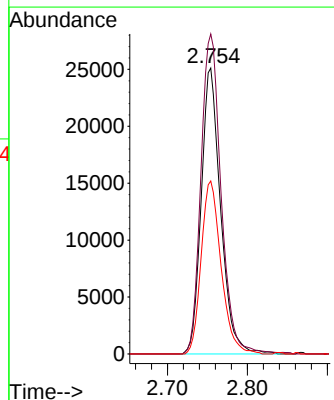
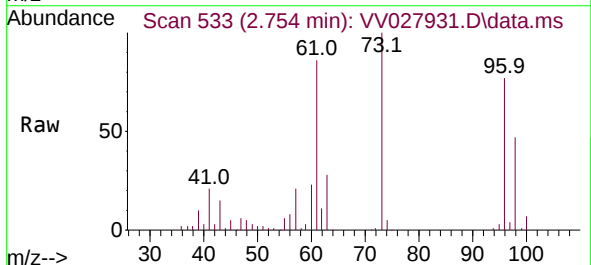
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

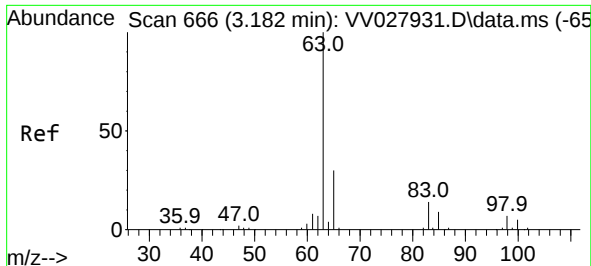
Tgt Ion: 73 Resp: 82232
Ion Ratio Lower Upper
73 100
43 15.5 12.4 18.6
57 20.8 16.6 25.0



#18
trans-1,2-Dichloroethene
Concen: 4.739 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 96 Resp: 42411
Ion Ratio Lower Upper
96 100
61 111.9 78.3 145.5
98 60.5 42.4 78.6





#19

1,1-Dichloroethane

Concen: 4.932 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

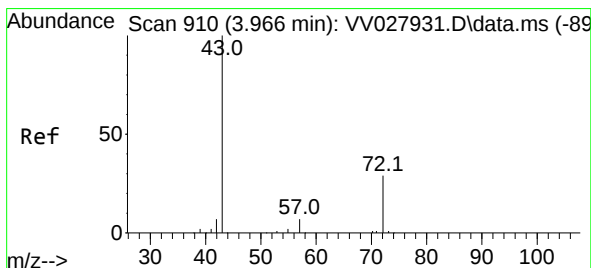
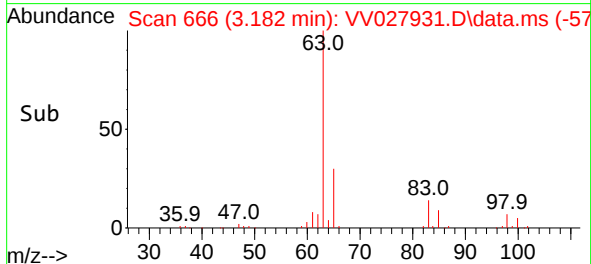
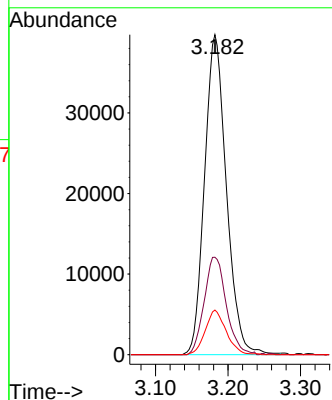
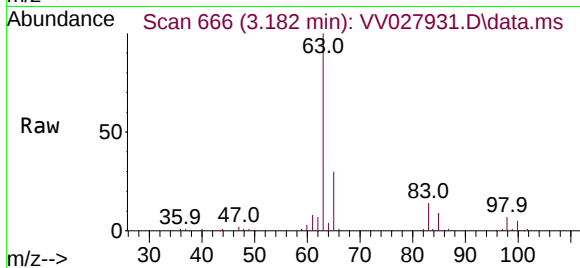
Tgt Ion: 63 Resp: 83135

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

83 13.9 9.7 18.1



#21

2-Butanone

Concen: 41.519 ug/L

RT: 3.966 min Scan# 910

Delta R.T. 0.000 min

Lab File: VV027931.D

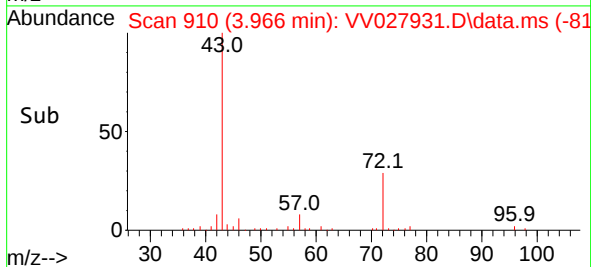
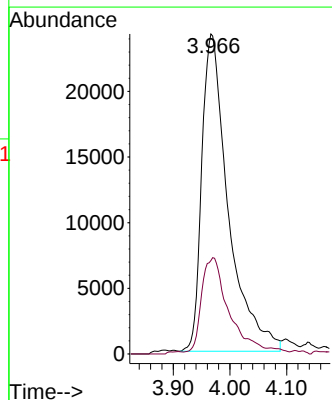
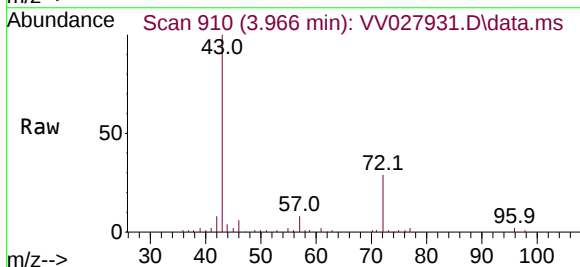
Acq: 19 Sep 2022 16:55

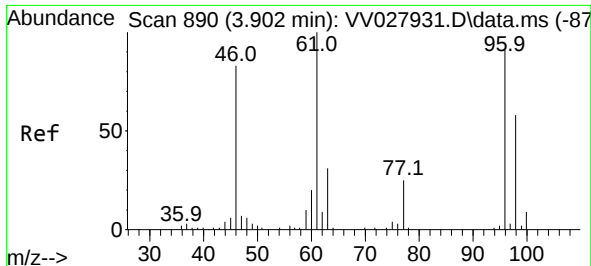
Tgt Ion: 43 Resp: 78633

Ion Ratio Lower Upper

43 100

72 29.9 14.9 44.9

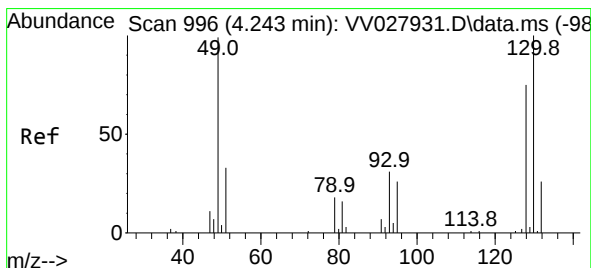
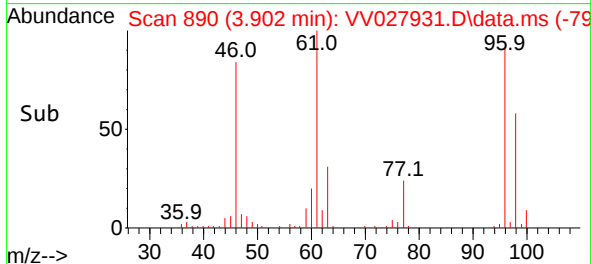
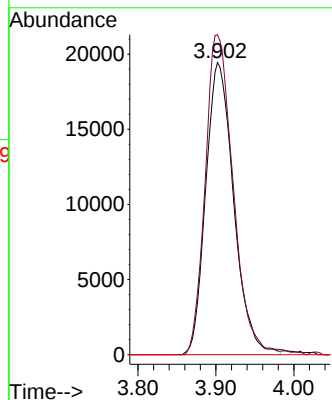
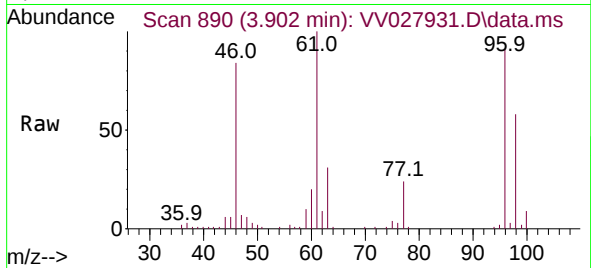




#22
 cis-1,2-Dichloroethene
 Concen: 4.974 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

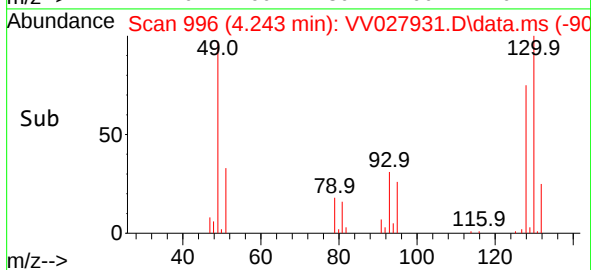
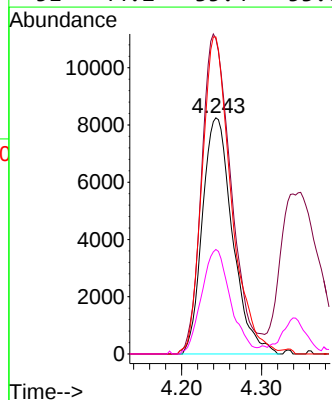
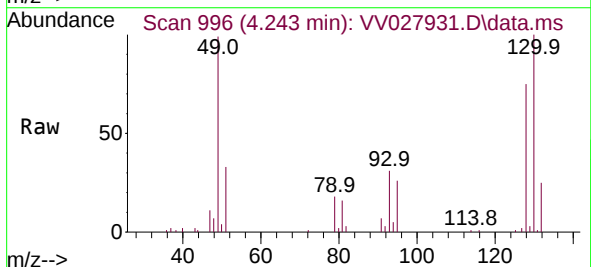
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005242

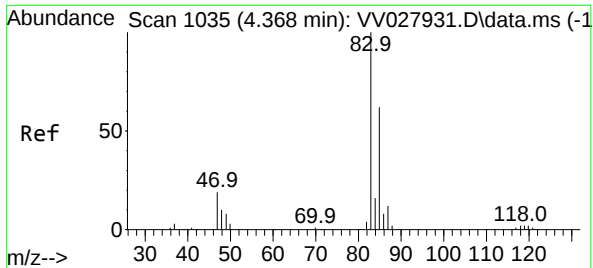
Tgt Ion: 96 Resp: 48430
 Ion Ratio Lower Upper
 96 100
 61 109.5 76.6 142.3
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.185 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VV027931.D
 Acq: 19 Sep 2022 16:55

Tgt Ion: 128 Resp: 21583
 Ion Ratio Lower Upper
 128 100
 49 133.5 93.4 173.6
 130 134.2 93.9 174.5
 51 44.2 35.4 53.0





#25

Chloroform

Concen: 4.774 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

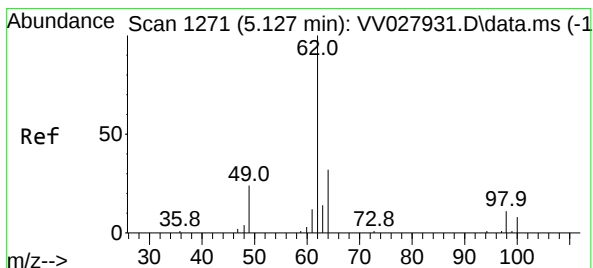
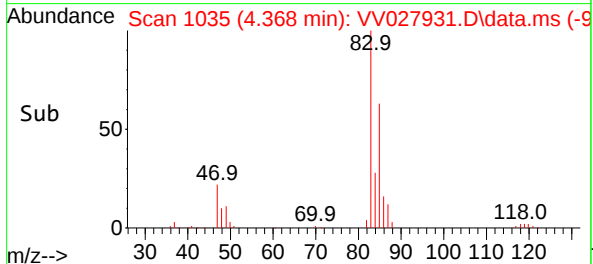
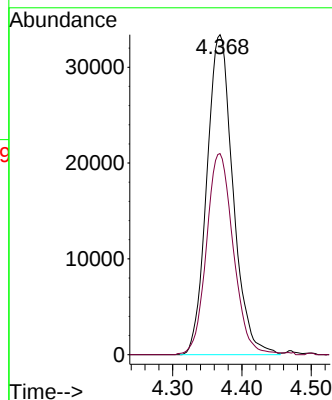
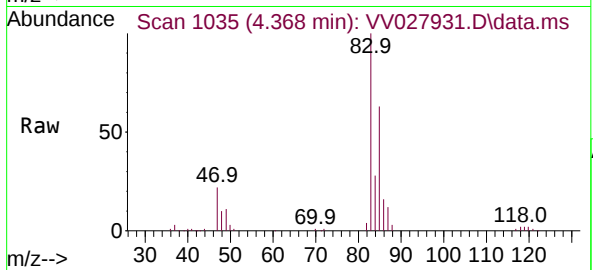
VSTD005242

Tgt Ion: 83 Resp: 87648

Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8



#27

1,2-Dichloroethane

Concen: 4.040 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV027931.D

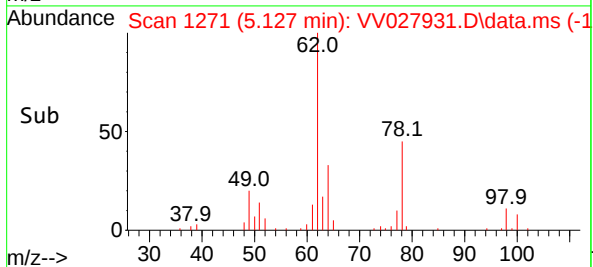
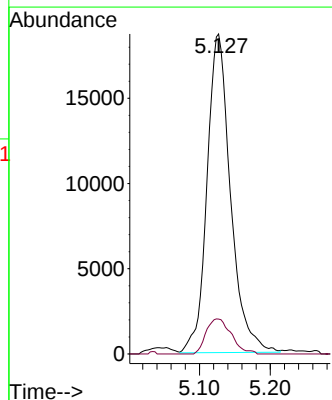
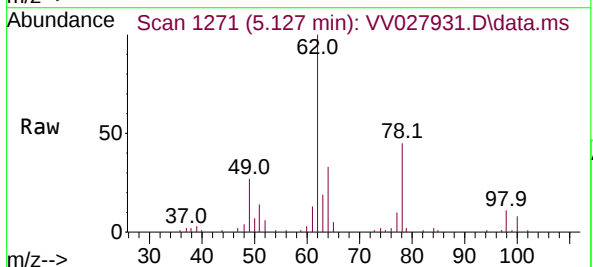
Acq: 19 Sep 2022 16:55

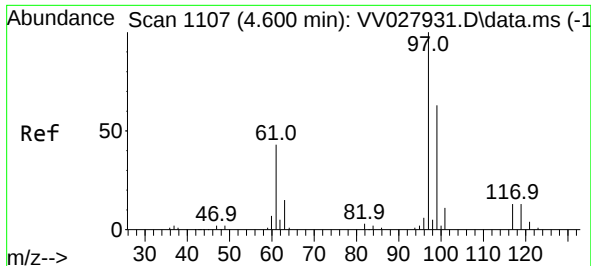
Tgt Ion: 62 Resp: 43202

Ion Ratio Lower Upper

62 100

98 10.9 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 3.826 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

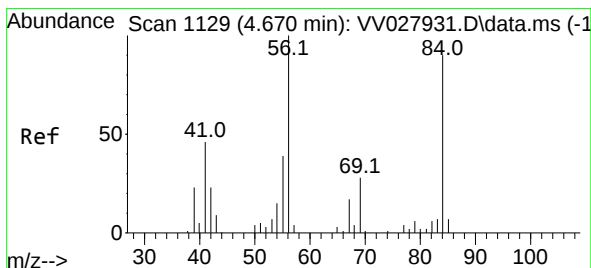
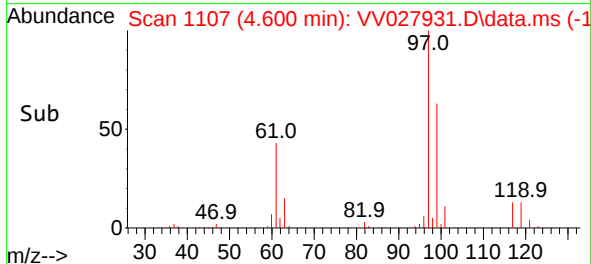
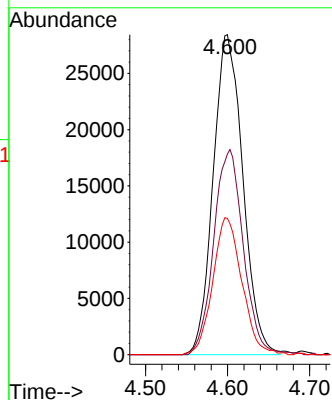
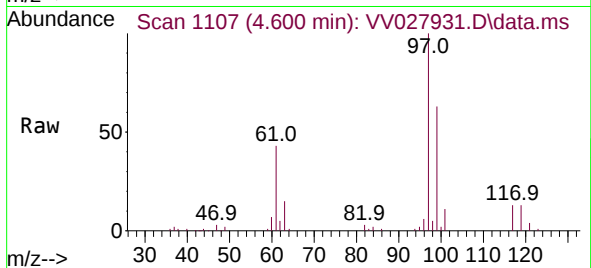
Tgt Ion: 97 Resp: 71614

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 42.0 33.6 50.4



#30

Cyclohexane

Concen: 3.444 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

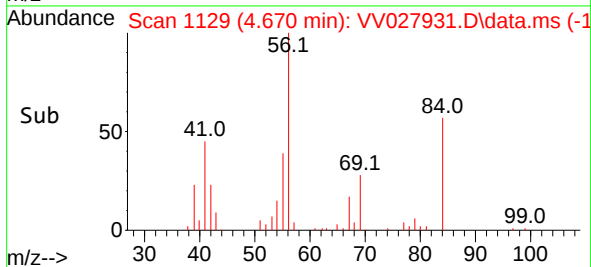
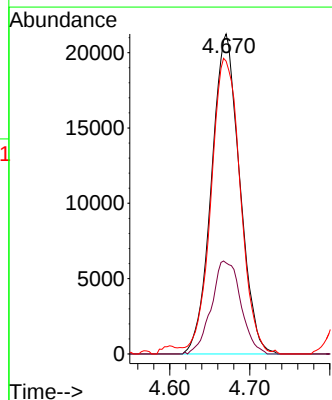
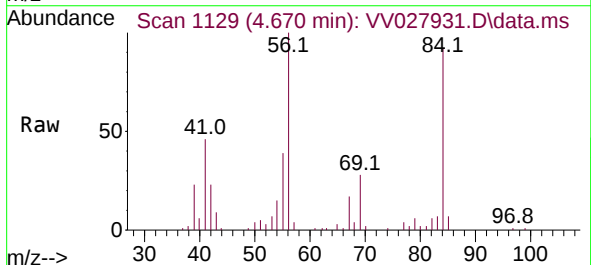
Tgt Ion: 56 Resp: 51976

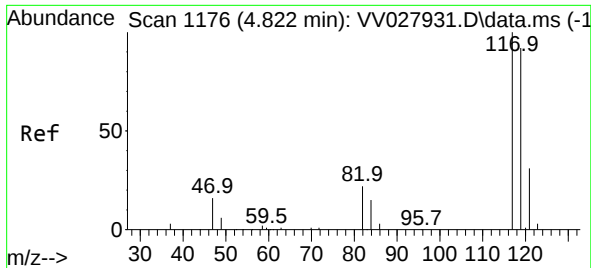
Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 96.1 76.9 115.3

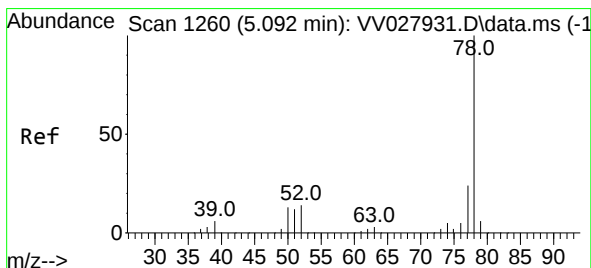
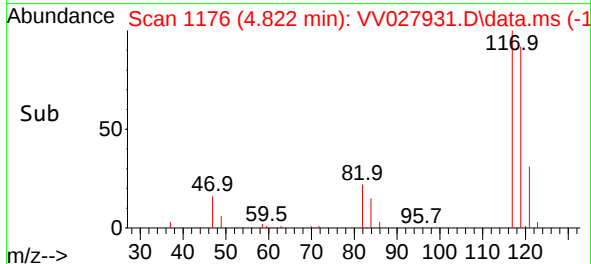
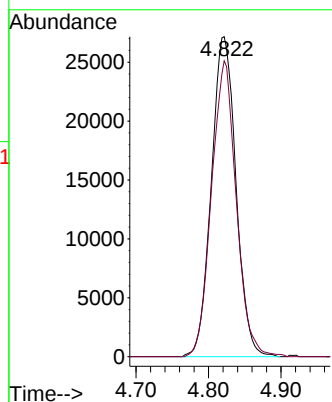
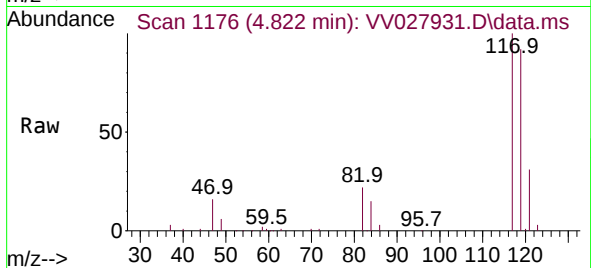




#31
Carbon tetrachloride
Concen: 4.005 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

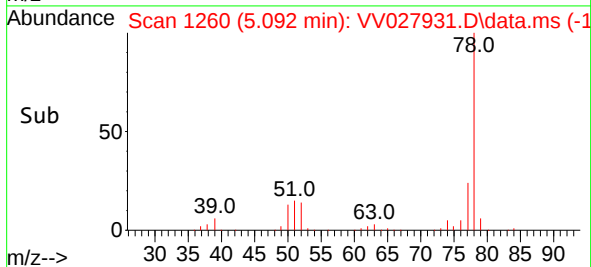
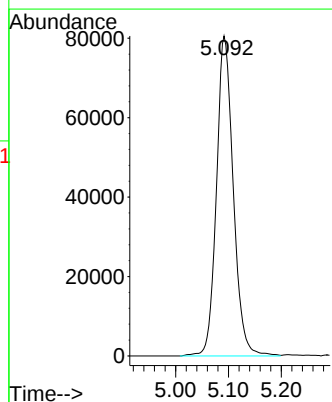
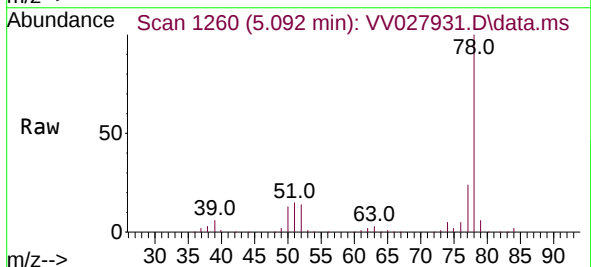
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

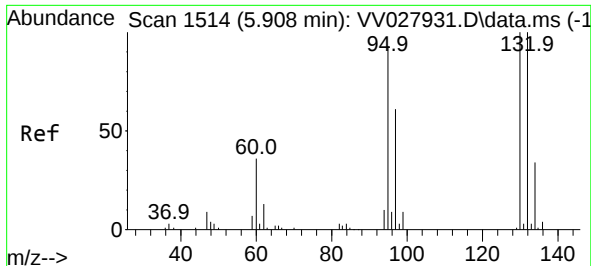
Tgt Ion:117 Resp: 64188
Ion Ratio Lower Upper
117 100
119 92.8 74.2 111.4



#33
Benzene
Concen: 4.311 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 78 Resp: 178526

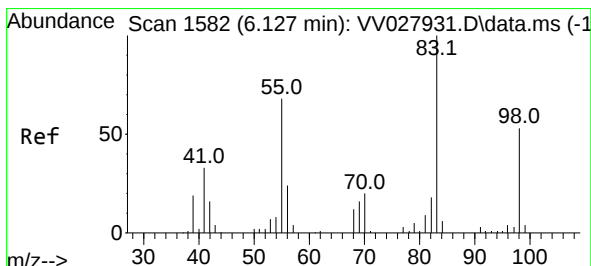
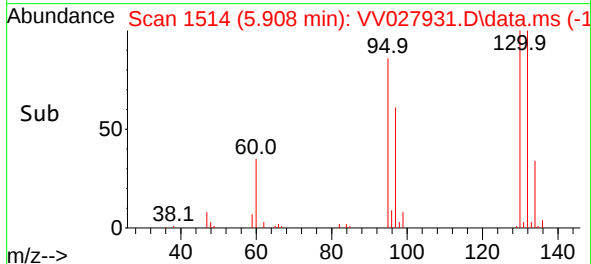
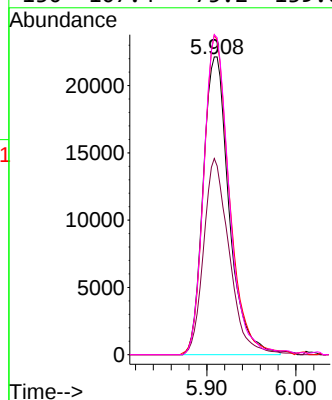
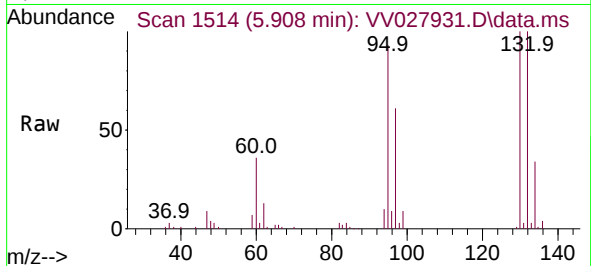




#34
Trichloroethene
Concen: 4.386 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

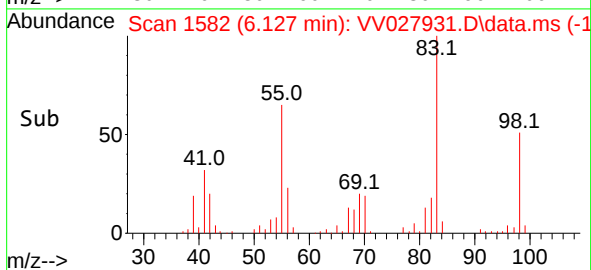
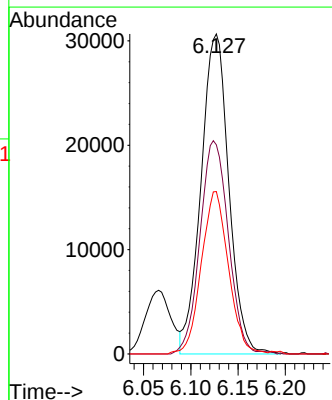
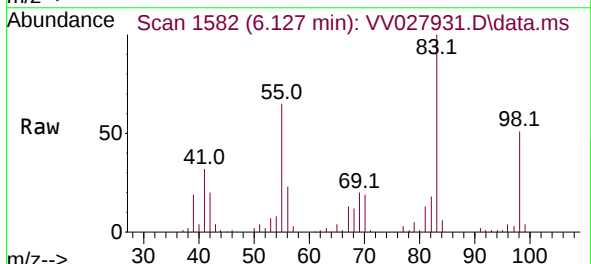
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

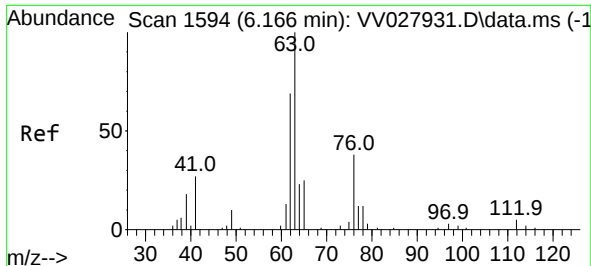
Tgt Ion: 95 Resp: 44830
Ion Ratio Lower Upper
95 100
97 65.9 46.1 85.7
132 107.4 75.2 139.6
130 107.4 75.2 139.6



#35
Methylcyclohexane
Concen: 4.054 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 83 Resp: 62843
Ion Ratio Lower Upper
83 100
55 68.1 54.5 81.7
98 49.5 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.918 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

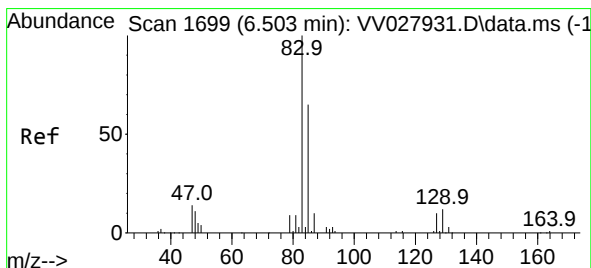
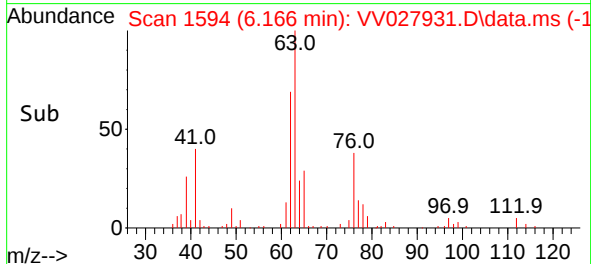
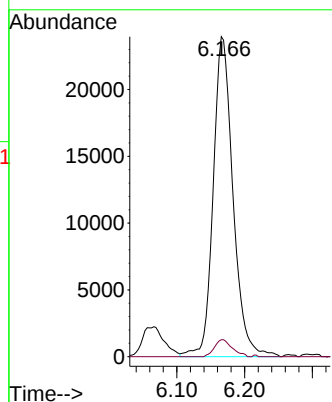
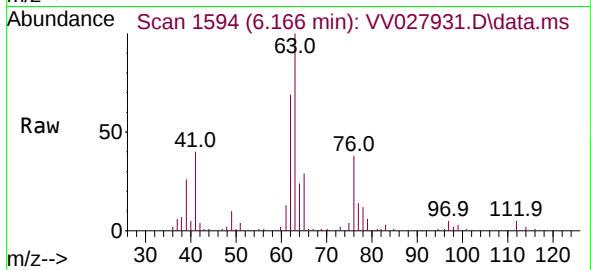
VSTD005242

Tgt Ion: 63 Resp: 48596

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 4.537 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

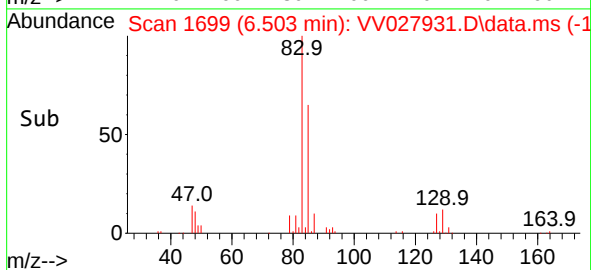
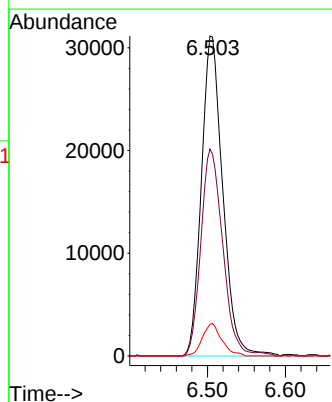
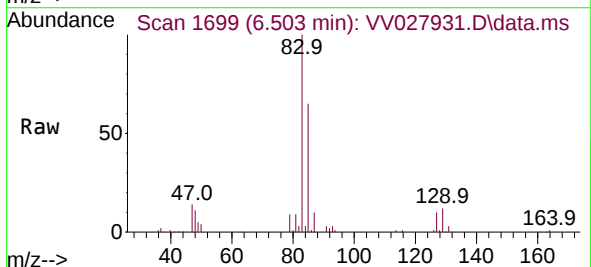
Tgt Ion: 83 Resp: 59257

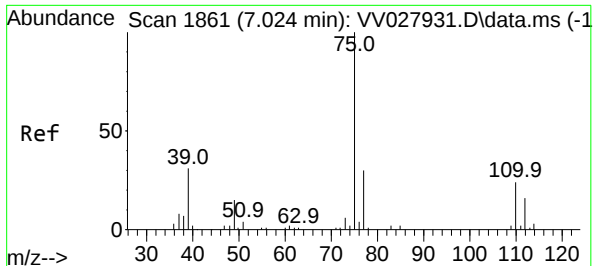
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 9.9 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 4.585 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

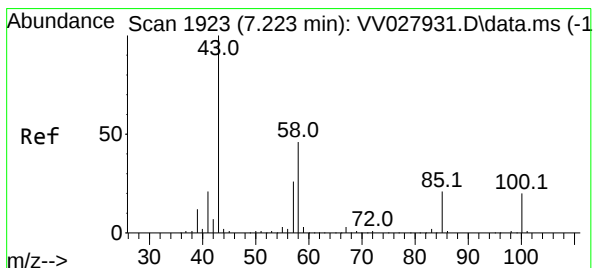
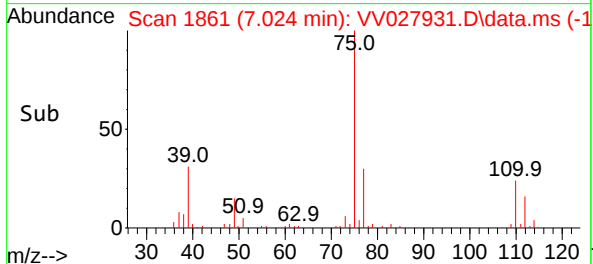
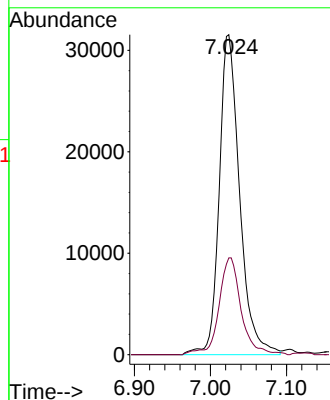
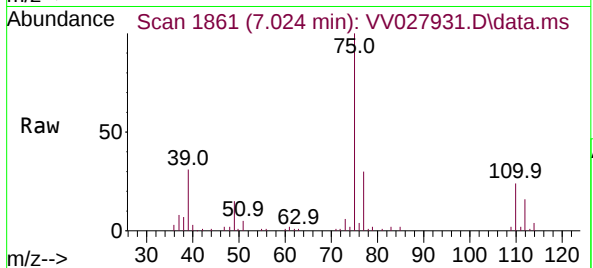
VSTD005242

Tgt Ion: 75 Resp: 58770

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 45.123 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

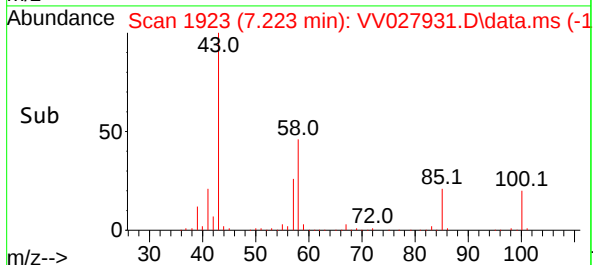
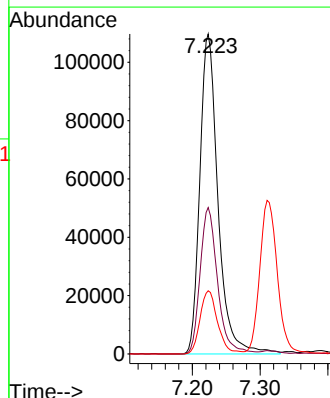
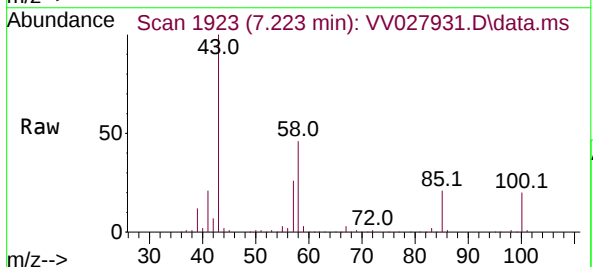
Tgt Ion: 43 Resp: 203947

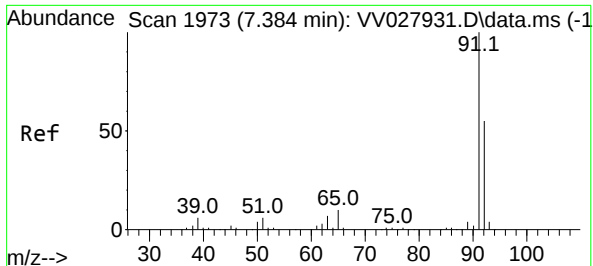
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 19.1 15.3 22.9





#42

Toluene

Concen: 4.890 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

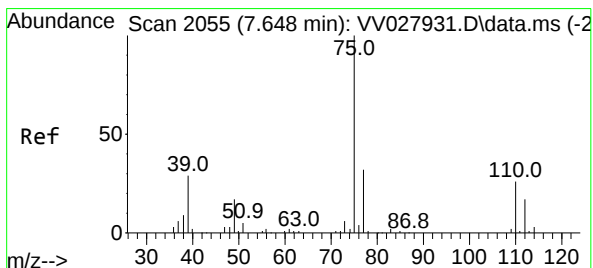
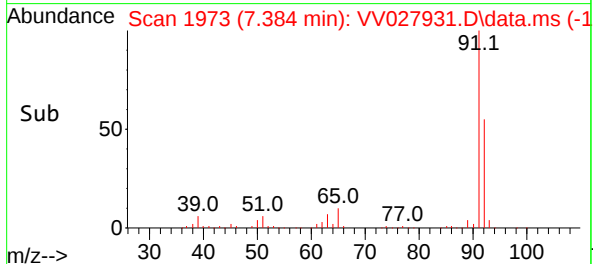
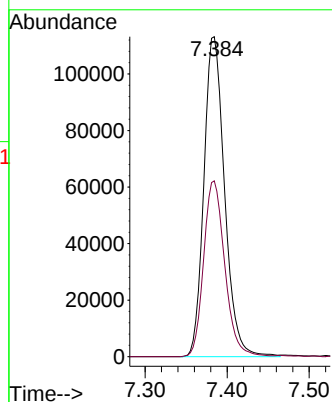
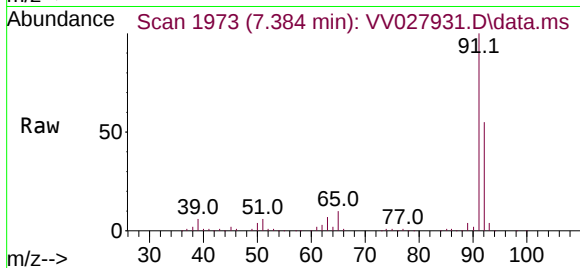
VSTD005242

Tgt Ion: 91 Resp: 198870

Ion Ratio Lower Upper

91 100

92 55.0 38.5 71.5



#44

trans-1,3-Dichloropropene

Concen: 4.775 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027931.D

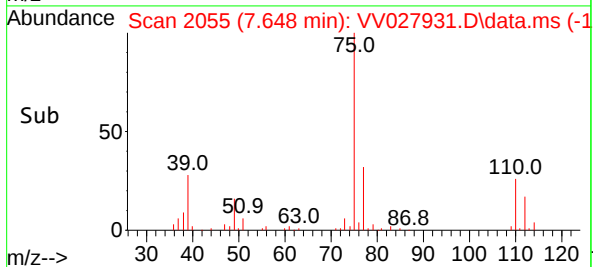
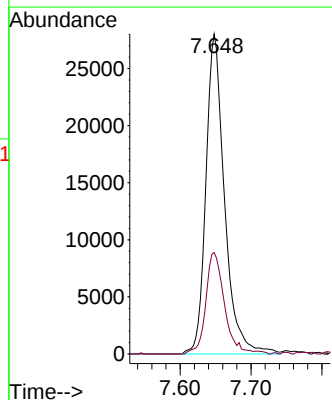
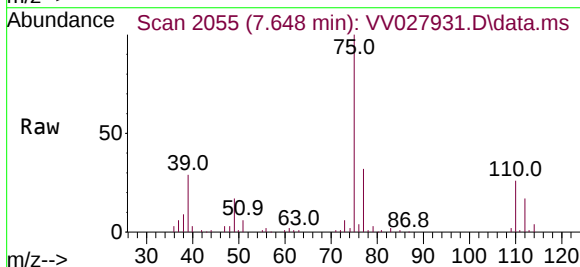
Acq: 19 Sep 2022 16:55

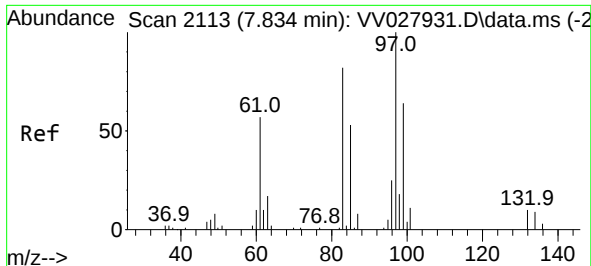
Tgt Ion: 75 Resp: 51188

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.196 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

Tgt Ion: 97 Resp: 34437

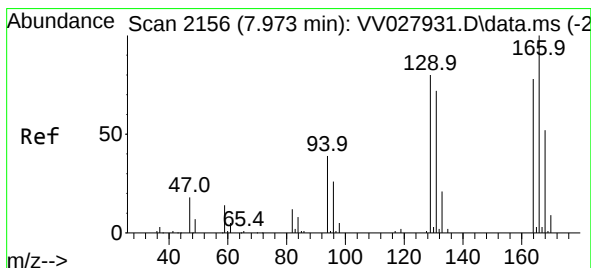
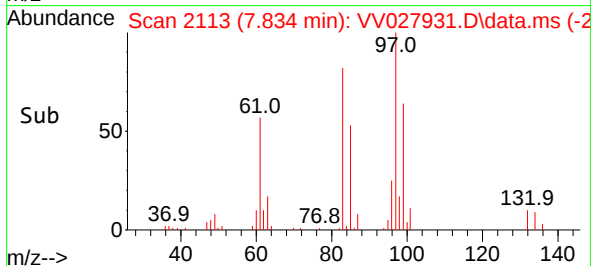
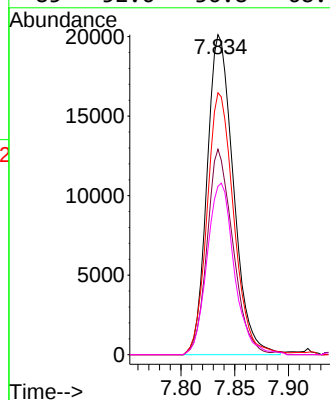
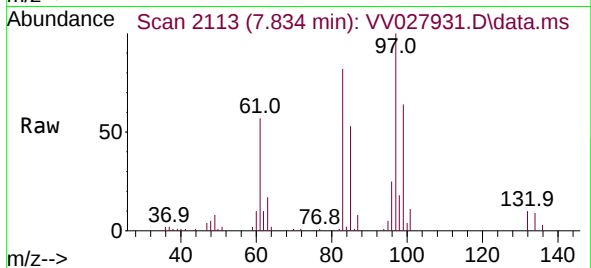
Ion Ratio Lower Upper

97 100

99 64.2 44.9 83.5

83 81.8 57.3 106.3

85 52.6 36.8 68.4



#47

Tetrachloroethene

Concen: 4.660 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Tgt Ion: 164 Resp: 39568

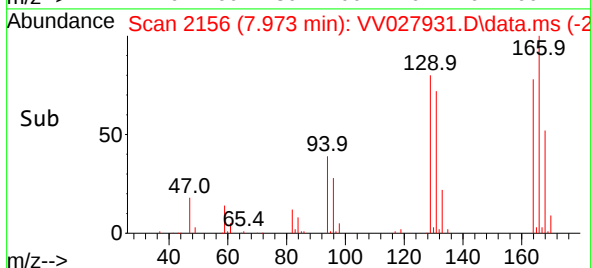
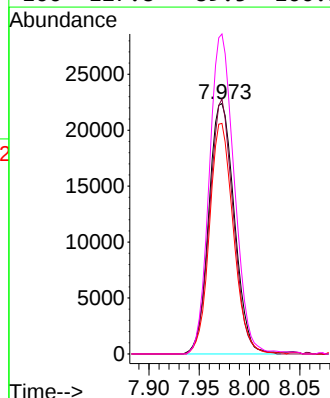
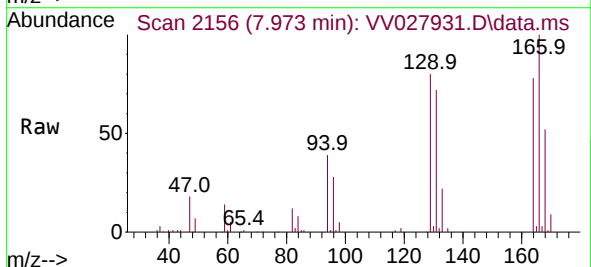
Ion Ratio Lower Upper

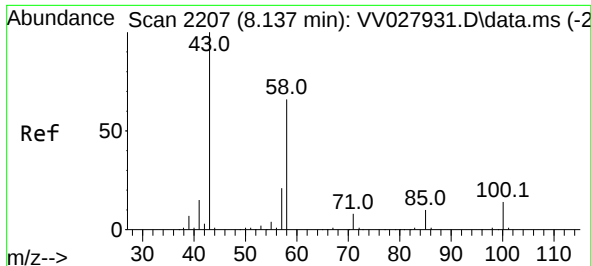
164 100

129 101.8 71.3 132.3

131 92.1 64.5 119.7

166 127.8 89.5 166.1

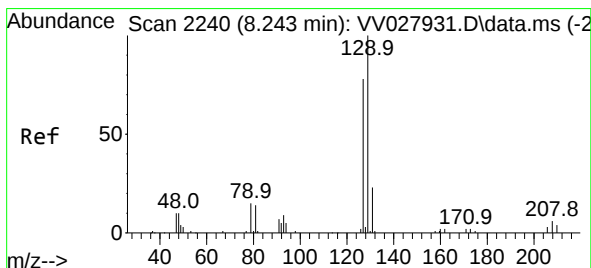
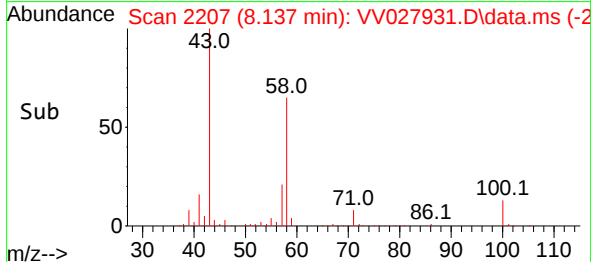
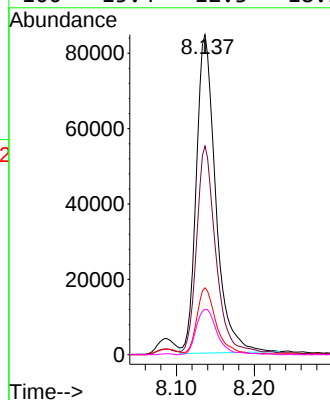
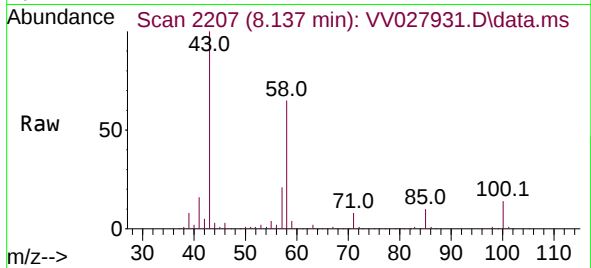




#48
2-Hexanone
Concen: 45.265 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

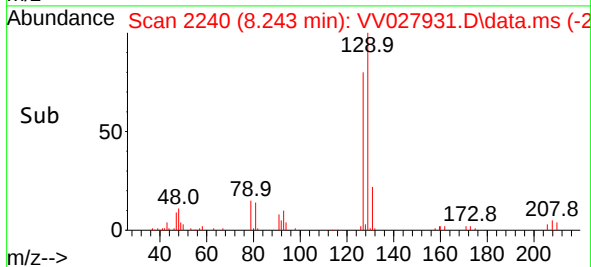
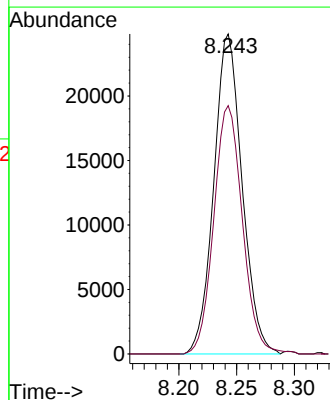
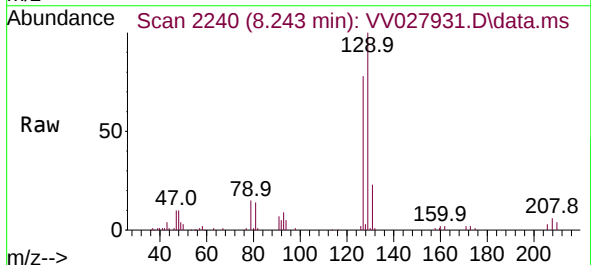
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

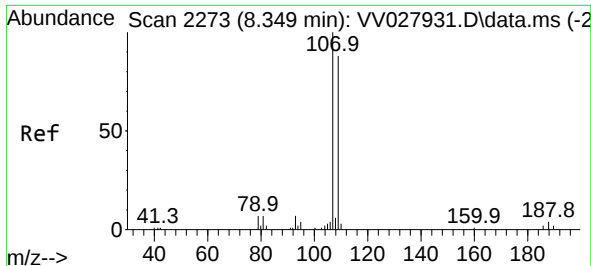
Tgt Ion:	43	Resp:	146297
Ion	Ratio	Lower	Upper
43	100		
58	63.3	50.6	76.0
57	20.3	16.2	24.4
100	15.4	12.3	18.5



#49
Dibromochloromethane
Concen: 5.031 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion:	129	Resp:	42289
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.3	100.9





#50

1,2-Dibromoethane

Concen: 5.238 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

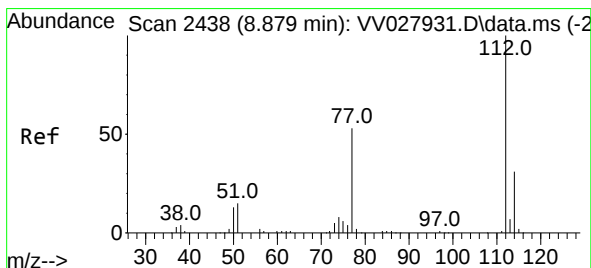
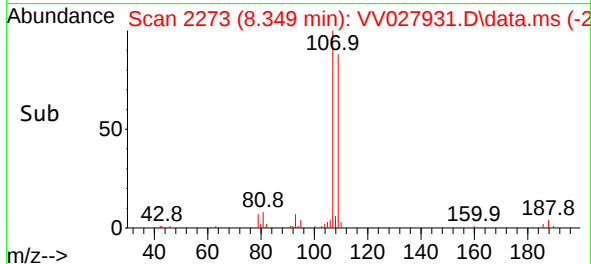
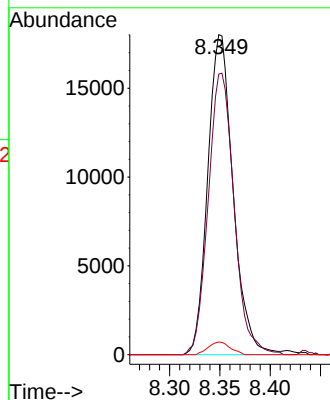
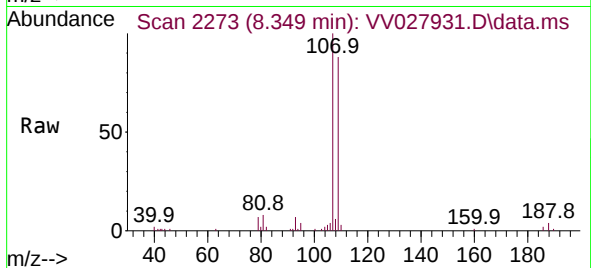
Tgt Ion:107 Resp: 31566

Ion Ratio Lower Upper

107 100

109 87.7 61.4 114.0

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 4.847 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

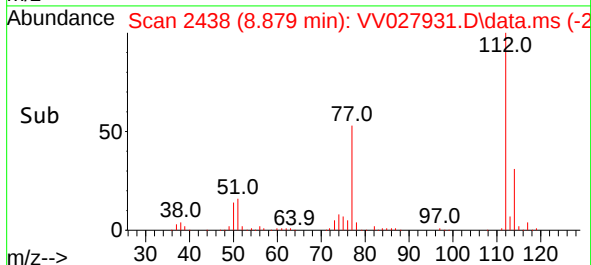
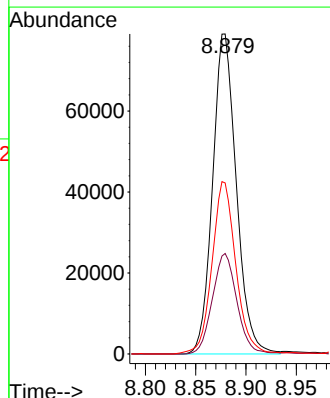
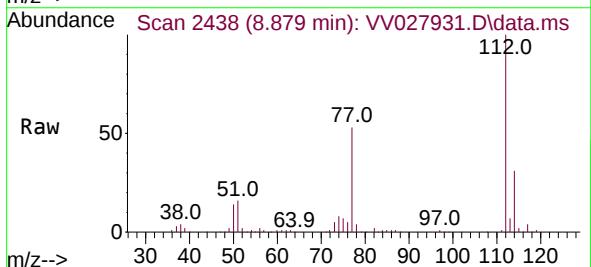
Tgt Ion:112 Resp: 129759

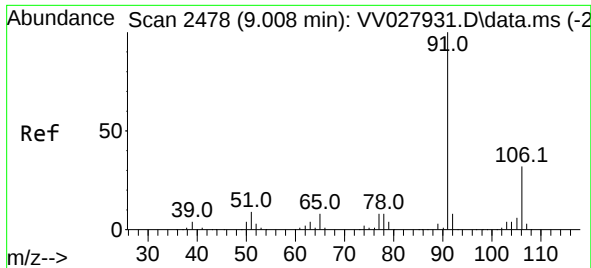
Ion Ratio Lower Upper

112 100

114 31.4 22.0 40.8

77 53.4 42.7 64.1

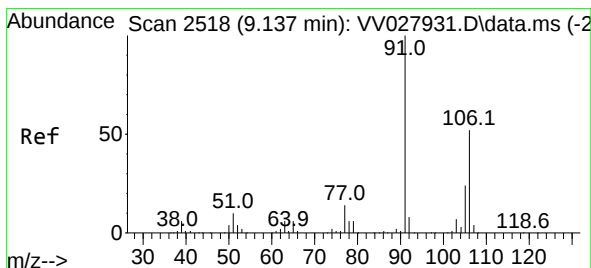
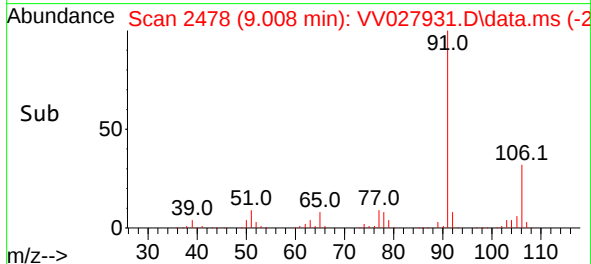
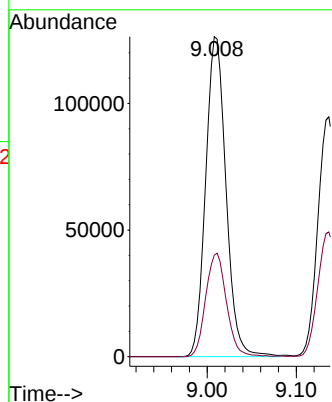
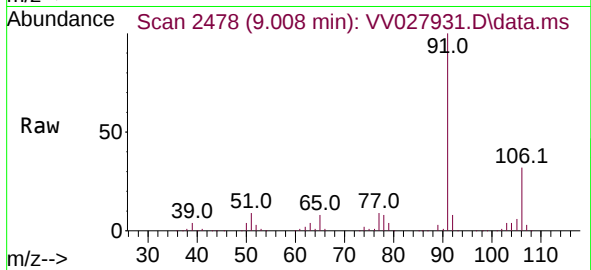




#52
Ethylbenzene
Concen: 4.706 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

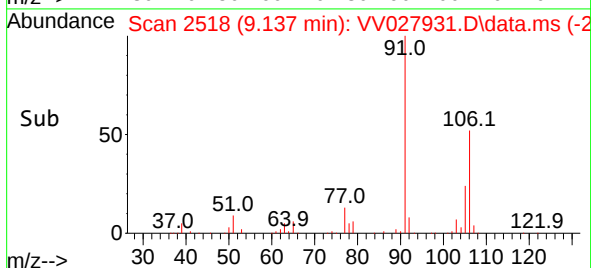
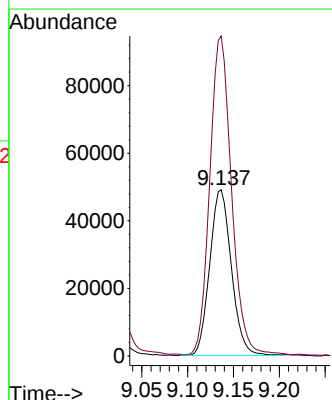
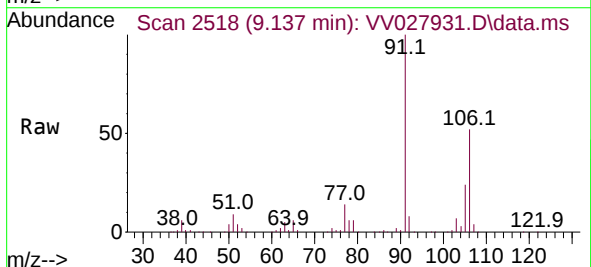
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

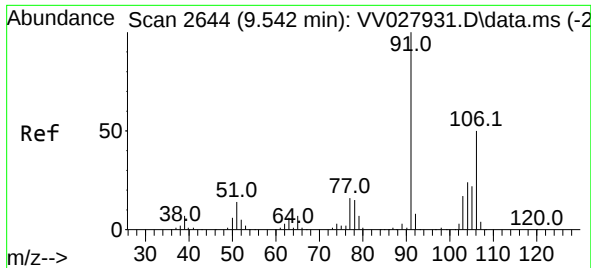
Tgt Ion: 91 Resp: 200132
Ion Ratio Lower Upper
91 100
106 31.7 22.2 41.2



#53
m,p-Xylene
Concen: 4.811 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 106 Resp: 80411
Ion Ratio Lower Upper
106 100
91 192.4 134.7 250.1

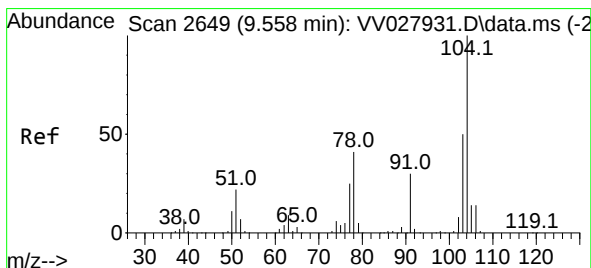
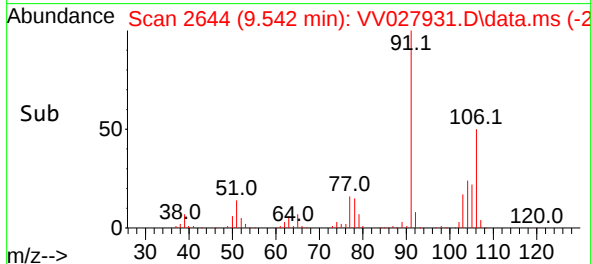
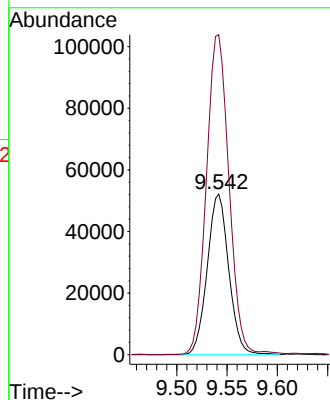
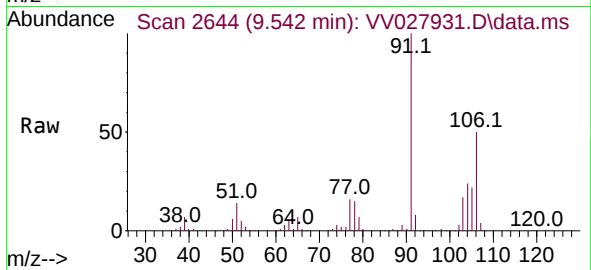




#54
o-Xylene
Concen: 4.855 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

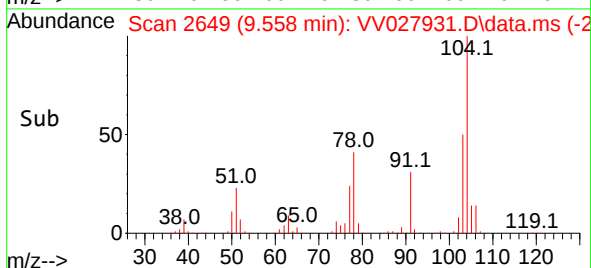
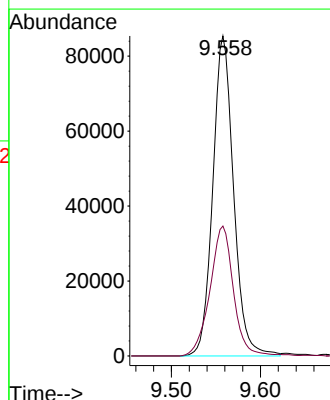
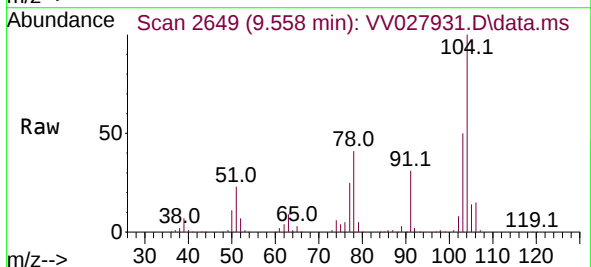
Instrument : MSVOA_V
ClientSampleId : VSTD005242

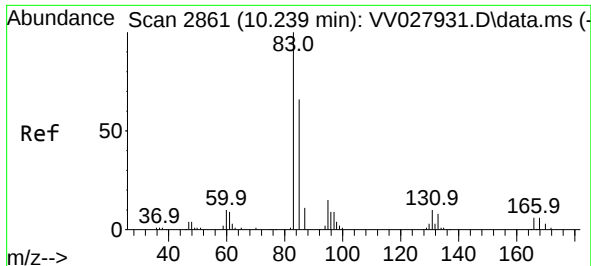
Tgt Ion:106 Resp: 77629
Ion Ratio Lower Upper
106 100
91 199.2 139.4 259.0



#55
Styrene
Concen: 4.994 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion:104 Resp: 138606
Ion Ratio Lower Upper
104 100
78 40.6 28.4 52.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.510 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

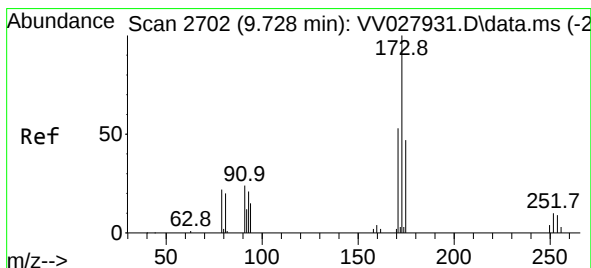
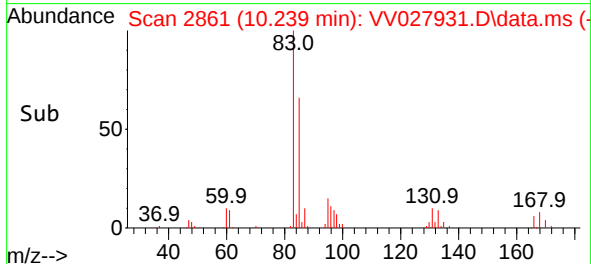
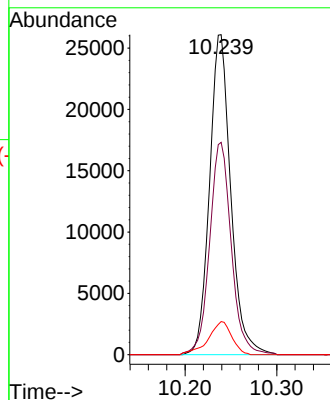
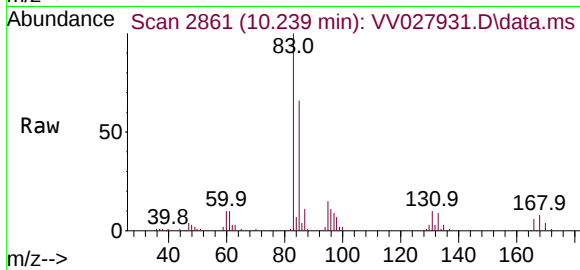
Tgt Ion: 83 Resp: 41902

Ion Ratio Lower Upper

83 100

85 66.4 46.5 86.3

131 10.4 8.3 12.5



#59

Bromoform

Concen: 5.270 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

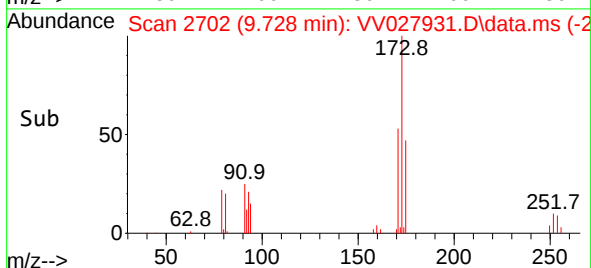
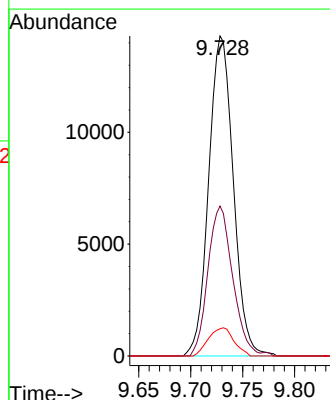
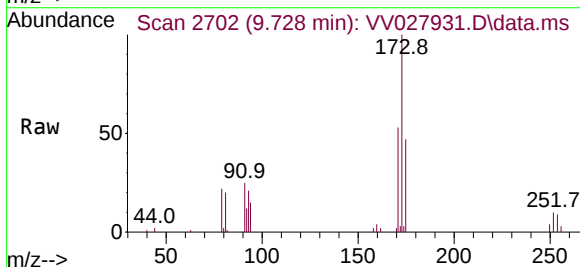
Tgt Ion: 173 Resp: 23553

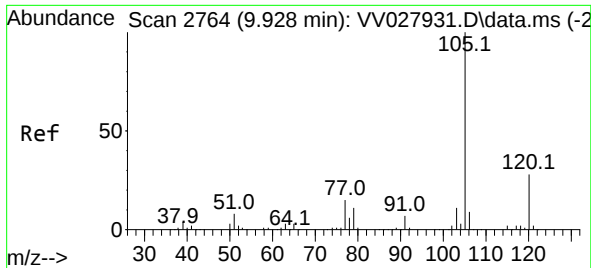
Ion Ratio Lower Upper

173 100

175 46.9 37.5 56.3

254 9.1 7.3 10.9

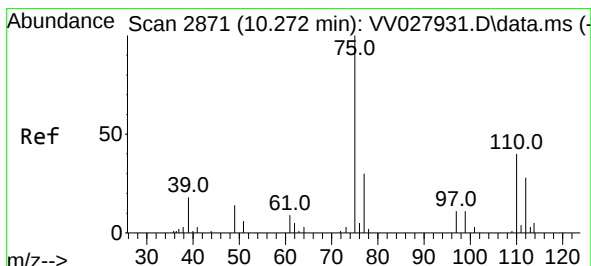
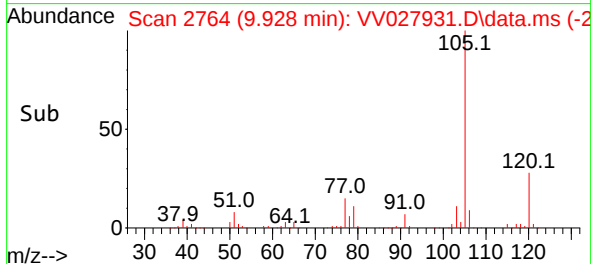
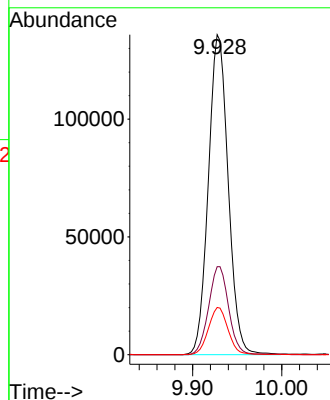
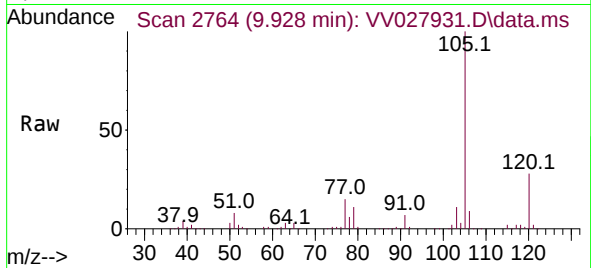




#60
Isopropylbenzene
Concen: 4.723 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

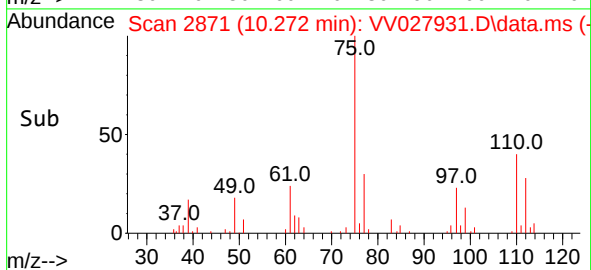
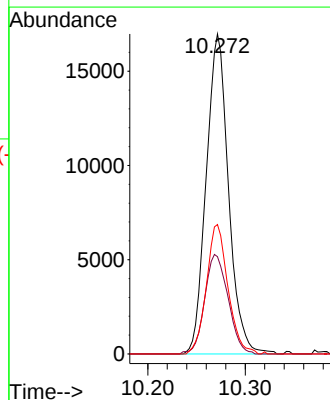
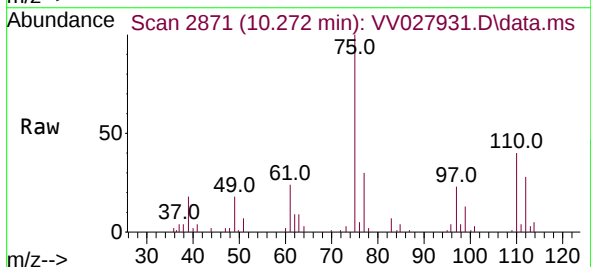
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

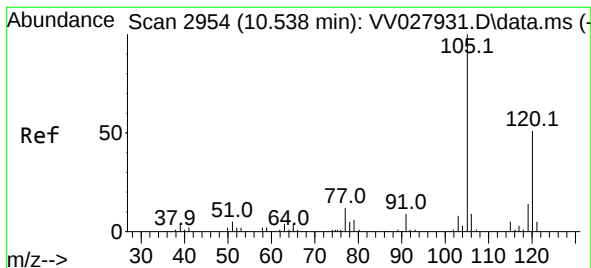
Tgt Ion:105 Resp: 209778
Ion Ratio Lower Upper
105 100
120 27.9 22.3 33.5
77 14.6 11.7 17.5



#61
1,2,3-Trichloropropane
Concen: 4.702 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 75 Resp: 27007
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 39.1 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 4.454 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

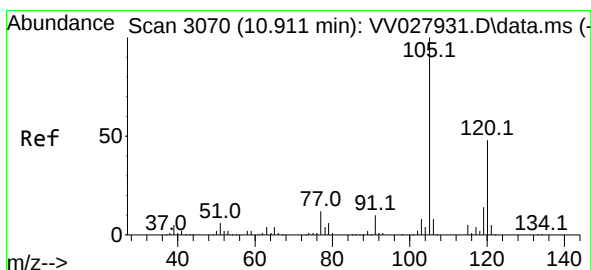
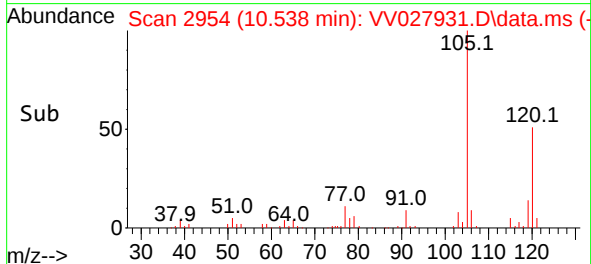
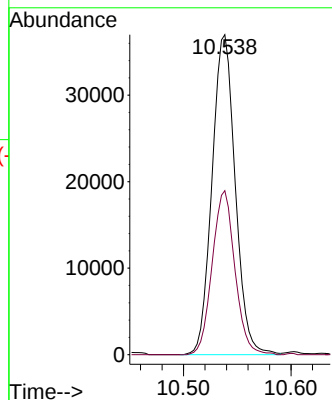
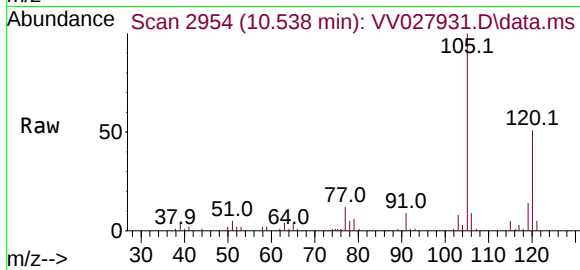
VSTD005242

Tgt Ion:105 Resp: 55513

Ion Ratio Lower Upper

105 100

120 50.2 40.2 60.2



#63

1,2,4-Trimethylbenzene

Concen: 4.464 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV027931.D

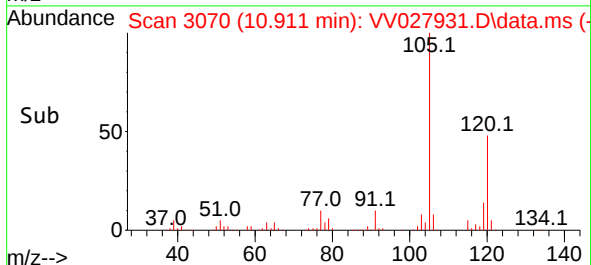
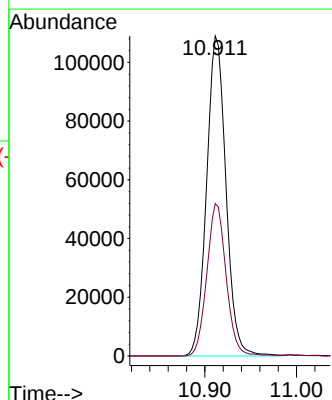
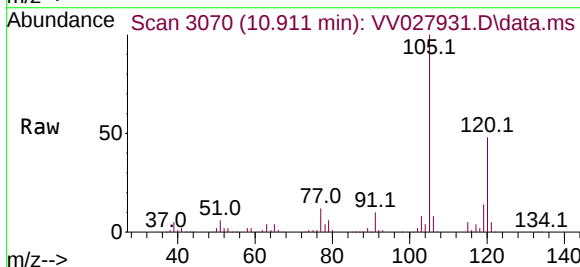
Acq: 19 Sep 2022 16:55

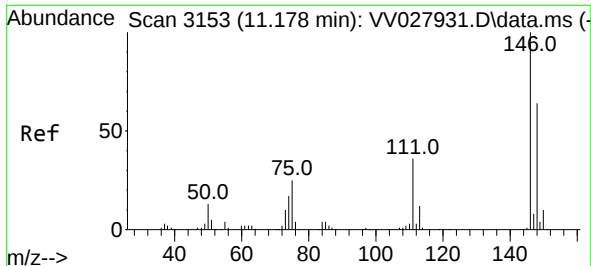
Tgt Ion:105 Resp: 159759

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

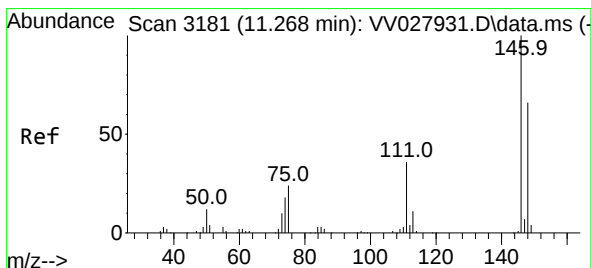
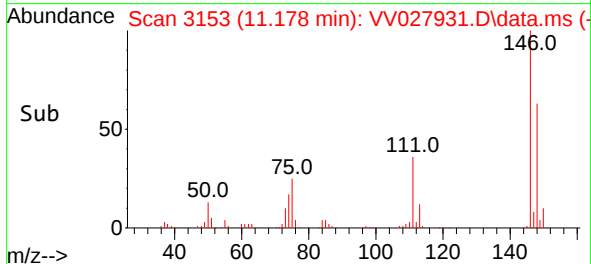
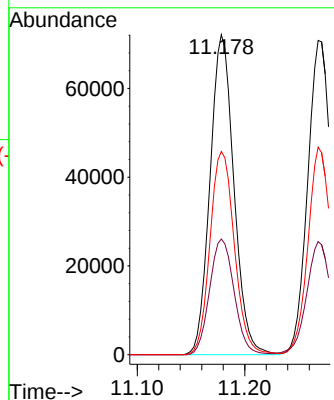
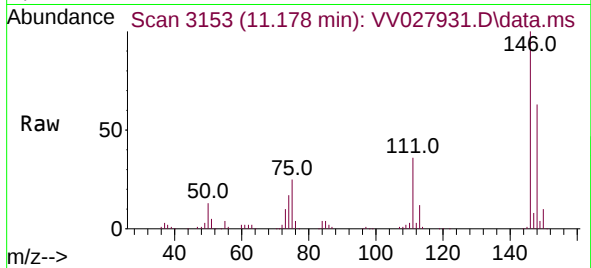




#64
1,3-Dichlorobenzene
Concen: 4.848 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

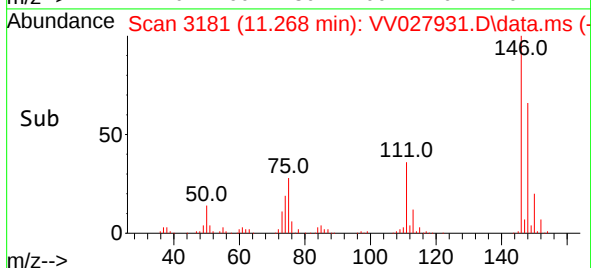
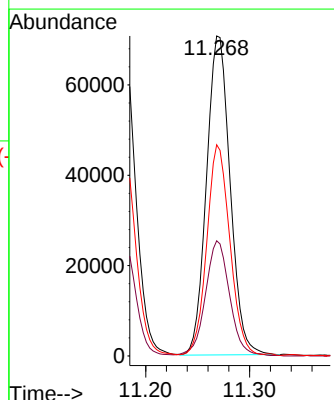
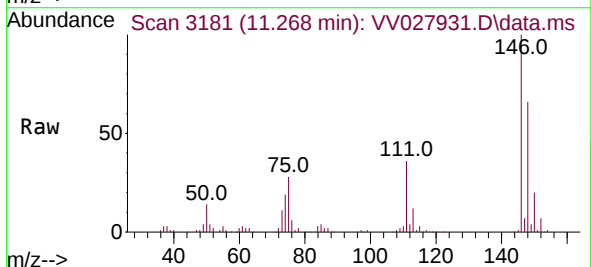
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

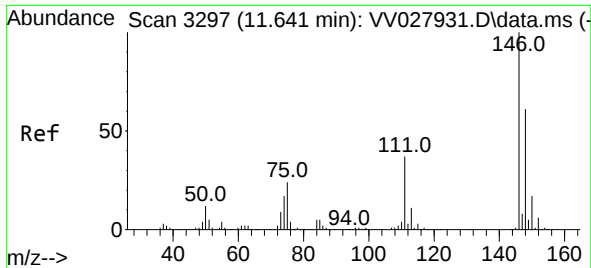
Tgt Ion:146 Resp: 111324
Ion Ratio Lower Upper
146 100
111 36.1 25.3 46.9
148 63.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 4.814 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion:146 Resp: 111471
Ion Ratio Lower Upper
146 100
111 36.0 25.2 46.8
148 66.0 46.2 85.8

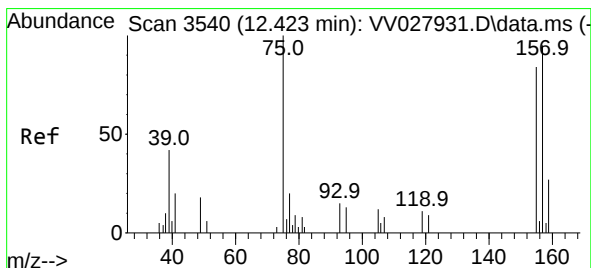
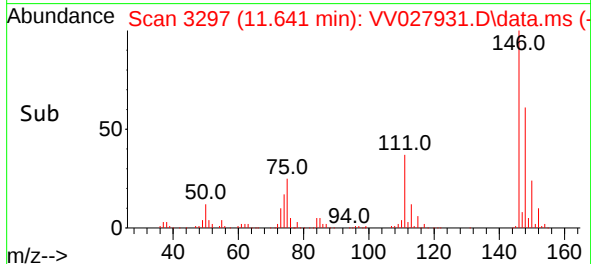
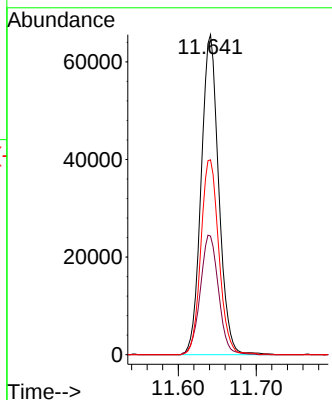
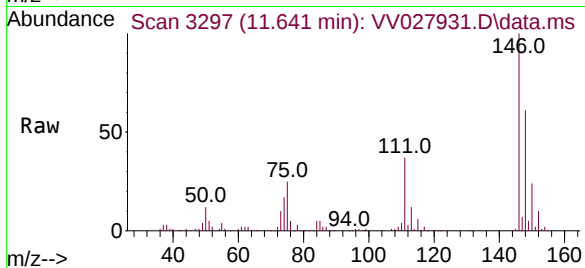




#67
1,2-Dichlorobenzene
Concen: 4.903 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

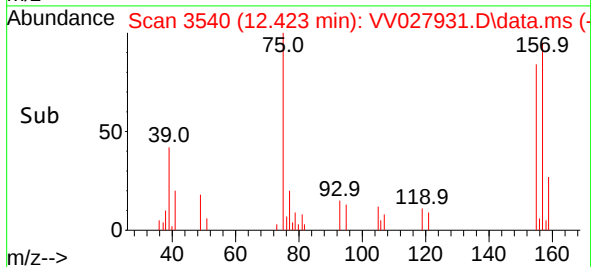
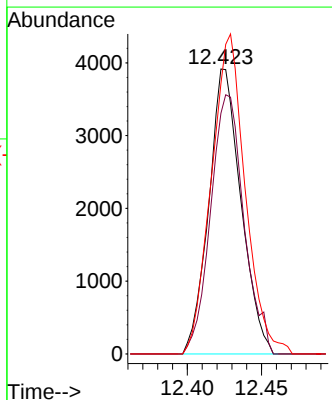
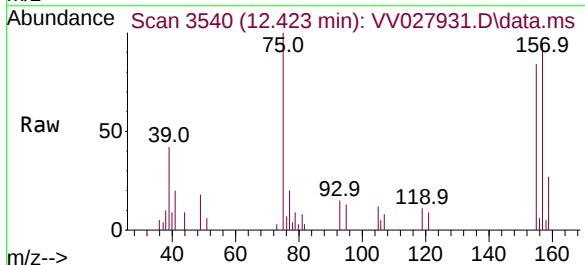
Instrument :
MSVOA_V
ClientSampleId :
VSTD005242

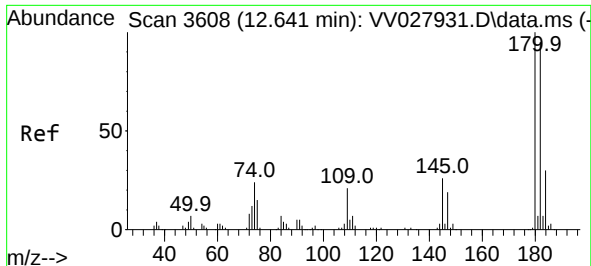
Tgt Ion:146 Resp: 102626
Ion Ratio Lower Upper
146 100
111 37.1 29.7 44.5
148 60.9 48.7 73.1



#68
1,2-Dibromo-3-chloropropane
Concen: 4.742 ug/L
RT: 12.423 min Scan# 3540
Delta R.T. 0.000 min
Lab File: VV027931.D
Acq: 19 Sep 2022 16:55

Tgt Ion: 75 Resp: 5910
Ion Ratio Lower Upper
75 100
155 84.5 67.6 101.4
157 94.9 75.9 113.9





#69

1,3,5-Trichlorobenzene

Concen: 4.902 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

Tgt Ion:180 Resp: 86798

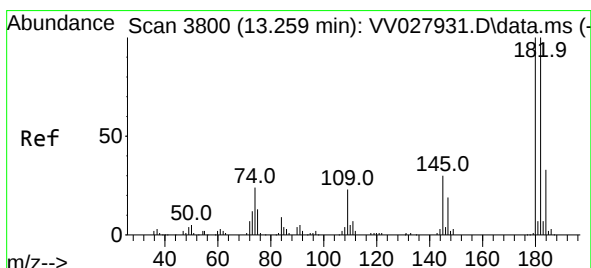
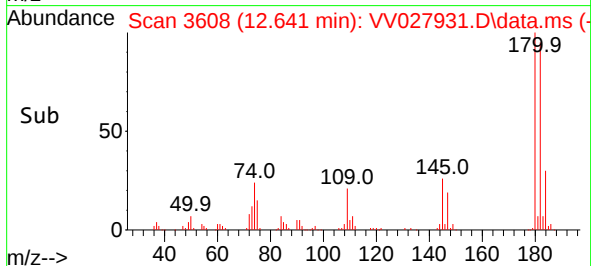
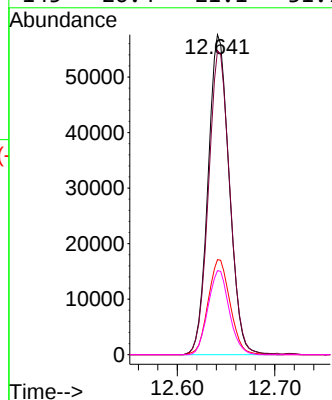
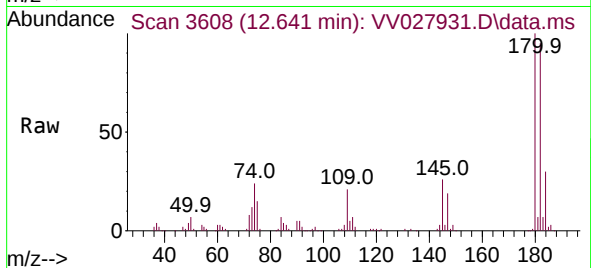
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 30.8 24.6 37.0

145 26.4 21.1 31.7



#70

1,2,4-trichlorobenzene

Concen: 4.892 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

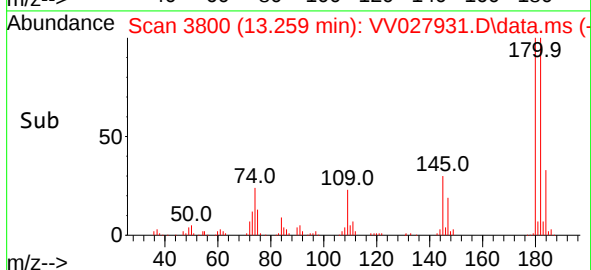
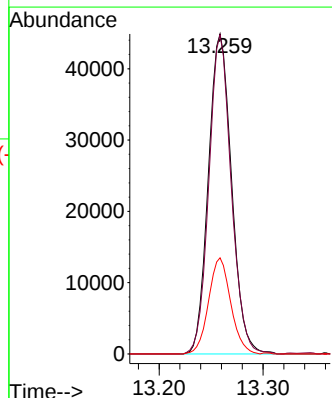
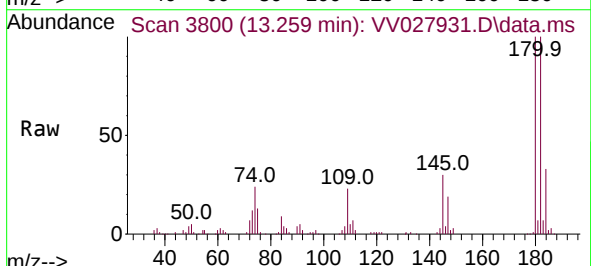
Tgt Ion:180 Resp: 69586

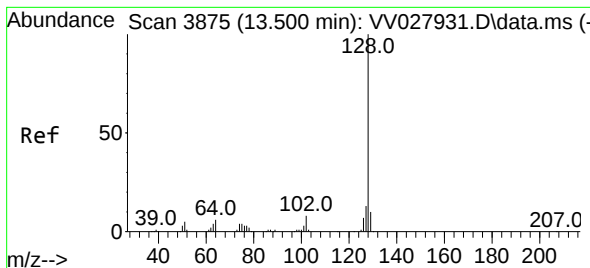
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 28.7 23.0 34.4





#71

Naphthalene

Concen: 4.481 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005242

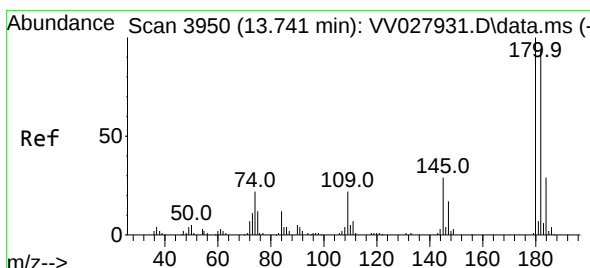
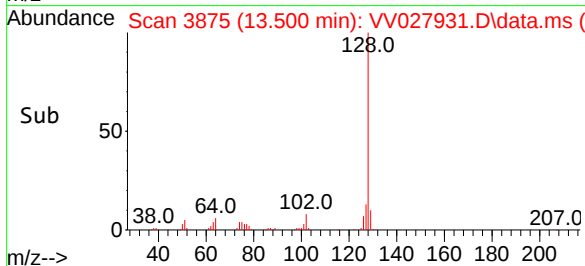
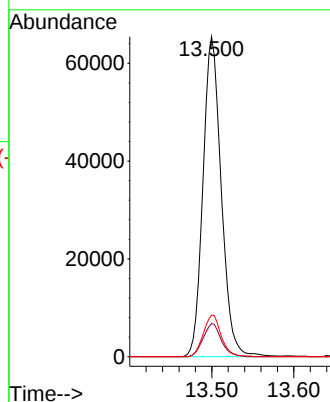
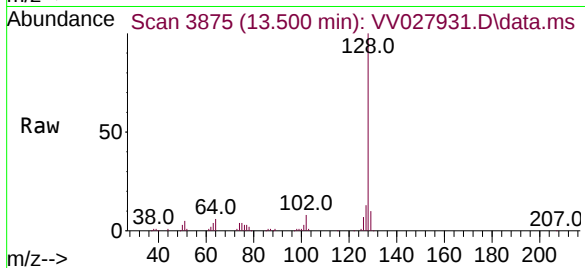
Tgt Ion:128 Resp: 101223

Ion Ratio Lower Upper

128 100

129 10.2 8.2 12.2

127 12.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 5.029 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027931.D

Acq: 19 Sep 2022 16:55

Tgt Ion:180 Resp: 63890

Ion Ratio Lower Upper

180 100

182 92.7 74.2 111.2

145 29.9 23.9 35.9

