

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
 Data File : VW028676.D
 Acq On : 21 Oct 2022 21:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

Quant Time: Oct 21 23:06:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 22:58:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	174922	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.847	117	163655	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	79758	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	97728	5.643	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.800%
7) Chloroethane-d5	1.564	69	80640	5.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.400%
11) 1,1-Dichloroethene-d2	2.105	63	181730	6.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	120.800%
20) 2-Butanone-d5	3.899	46	162382	49.818	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.640%
24) Chloroform-d	4.342	84	138113	5.376	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
26) 1,2-Dichloroethane-d4	5.030	65	66079	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.043	84	280876	3.945	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.066	67	87510	3.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.400%
41) Toluene-d8	7.310	98	245162	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.619	79	23753	4.382	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.088	63	127033	56.446	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.900%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	56222	5.331	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	11.615	152	74549	5.200	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	50258	5.915	ug/L	97
3) Chloromethane	1.240	50	87481	5.153	ug/L	98
5) Vinyl chloride	1.307	62	88234	5.382	ug/L	94
6) Bromomethane	1.519	94	43316	5.439	ug/L	98
8) Chloroethane	1.584	64	61397	5.566	ug/L	97
9) Trichlorofluoromethane	1.751	101	123109	6.135	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	71438	5.949	ug/L	97
12) 1,1-Dichloroethene	2.114	96	67015	5.934	ug/L	87
13) Acetone	2.185	43	100367	48.034	ug/L	97
14) Carbon disulfide	2.288	76	122213	4.517	ug/L	99
15) Methyl Acetate	2.436	43	20626	3.318	ug/L #	81
16) Methylene chloride	2.503	84	74269	4.565	ug/L	92
17) Methyl tert-butyl Ether	2.764	73	147989	4.794	ug/L	97
18) trans-1,2-Dichloroethene	2.754	96	60695	4.934	ug/L	92
19) 1,1-Dichloroethane	3.185	63	140552	4.894	ug/L	99
21) 2-Butanone	3.986	43	155100	42.002	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	71165	5.031	ug/L #	95
23) Bromochloromethane	4.243	128	27161	5.248	ug/L	93
25) Chloroform	4.368	83	134848	4.949	ug/L	99

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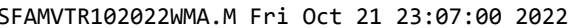
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 ClientSampleId :
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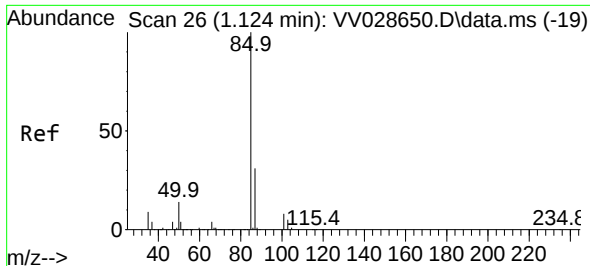
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	76128	4.466	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	100411	3.561	ug/L	98
30) Cyclohexane	4.670	56	109919	3.558	ug/L	97
31) Carbon tetrachloride	4.825	117	78378	3.764	ug/L	99
33) Benzene	5.095	78	287624	3.746	ug/L	100
34) Trichloroethene	5.911	95	67424	3.805	ug/L	92
35) Methylcyclohexane	6.127	83	104204	3.747	ug/L	96
37) 1,2-Dichloropropane	6.169	63	75717	3.685	ug/L	100
38) Bromodichloromethane	6.506	83	81786	4.144	ug/L	100
39) cis-1,3-Dichloropropene	7.024	75	86061	4.044	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	451479	45.371	ug/L	99
42) Toluene	7.384	91	291114	4.579	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	64619	4.296	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	46649	4.816	ug/L	98
47) Tetrachloroethene	7.969	164	45492	4.754	ug/L	97
48) 2-Hexanone	8.140	43	310661	49.841	ug/L	99
49) Dibromochloromethane	8.239	129	42998	4.790	ug/L	88
50) 1,2-Dibromoethane	8.345	107	40329	4.863	ug/L	97
51) Chlorobenzene	8.876	112	184257	4.957	ug/L	100
52) Ethylbenzene	9.005	91	321708	4.894	ug/L	97
53) m,p-Xylene	9.133	106	114729	4.777	ug/L	98
54) o-Xylene	9.535	106	116408	4.887	ug/L	96
55) Styrene	9.554	104	196496	4.839	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.236	83	57092	5.006	ug/L	96
59) Bromoform	9.725	173	18576	4.717	ug/L	96
60) Isopropylbenzene	9.924	105	321137	4.818	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	39853	4.611	ug/L	94
62) 1,3,5-Trimethylbenzene	10.532	105	88017	4.597	ug/L	98
63) 1,2,4-Trimethylbenzene	10.905	105	253676	4.920	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	132912	5.038	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	129597	4.864	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	121877	4.966	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	6755	4.458	ug/L	99
69) 1,3,5-Trichlorobenzene	12.635	180	95756	5.095	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	73276	4.949	ug/L	99
71) Naphthalene	13.493	128	109190	4.361	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	63226	4.887	ug/L	97

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

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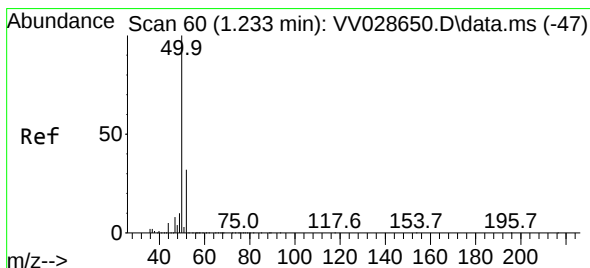
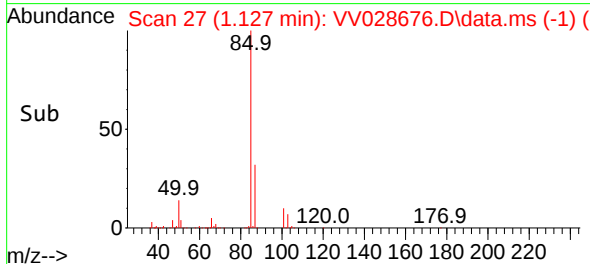
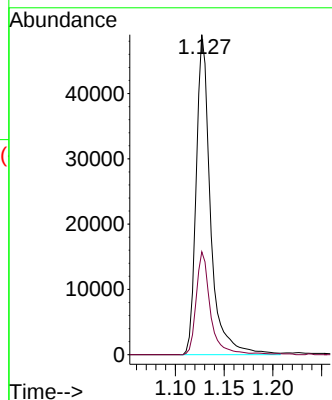
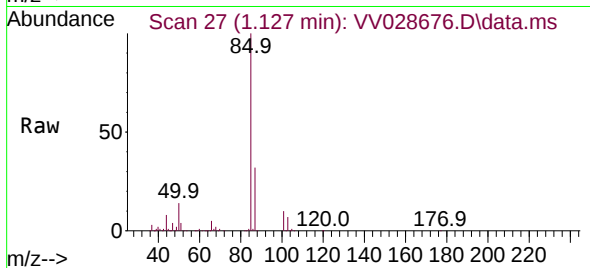




#2
 Dichlorodifluoromethane
 Concen: 5.915 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

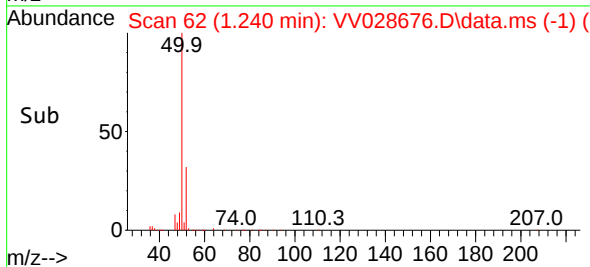
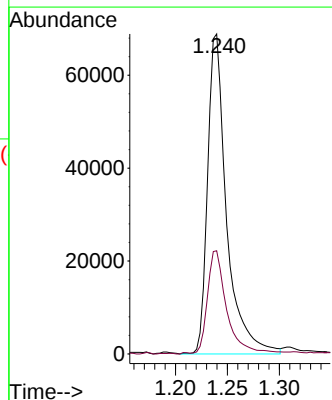
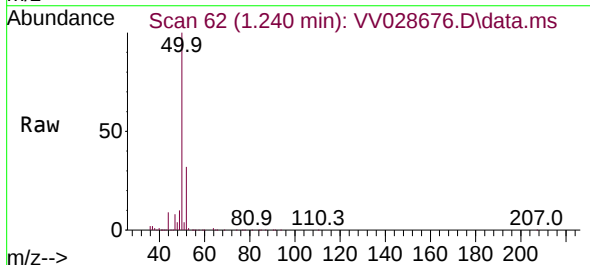
Instrument :
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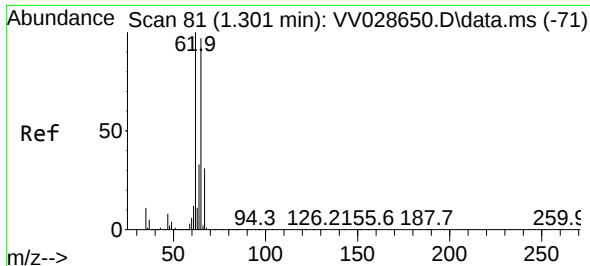
Tgt Ion: 85 Resp: 50258
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.6 40.0



#3
 Chloromethane
 Concen: 5.153 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.006 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

Tgt Ion: 50 Resp: 87481
 Ion Ratio Lower Upper
 50 100
 52 32.2 21.8 40.6

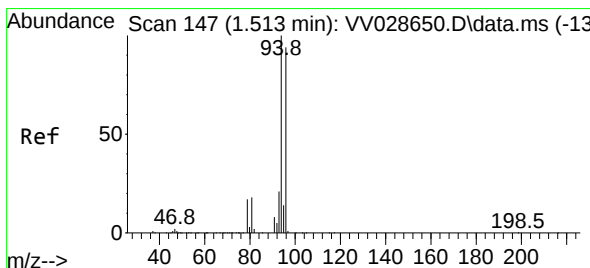
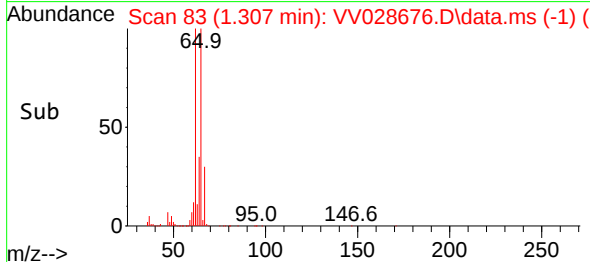
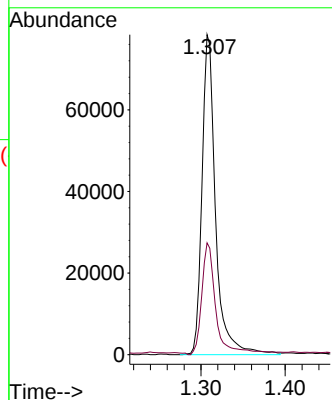
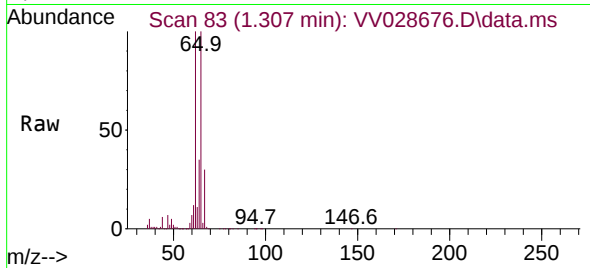




#5
 Vinyl chloride
 Concen: 5.382 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

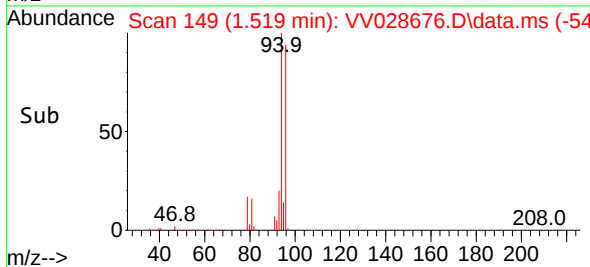
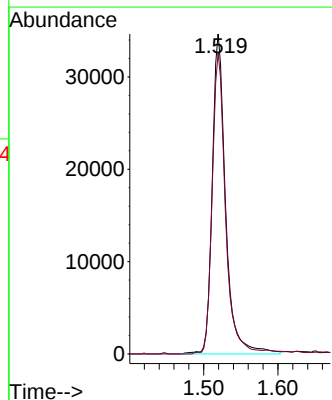
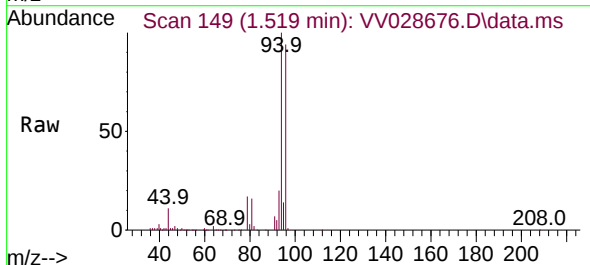
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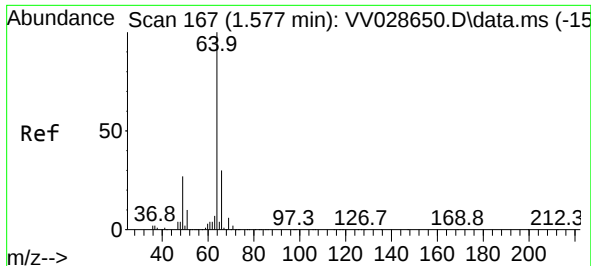
Tgt Ion: 62 Resp: 88234
 Ion Ratio Lower Upper
 62 100
 64 35.0 22.0 41.0



#6
 Bromomethane
 Concen: 5.439 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

Tgt Ion: 94 Resp: 43316
 Ion Ratio Lower Upper
 94 100
 96 94.1 64.3 119.3

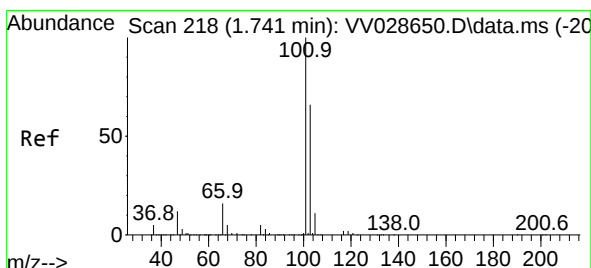
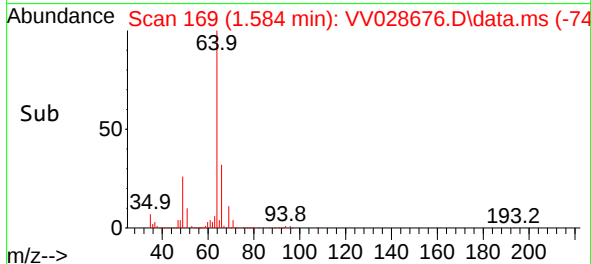
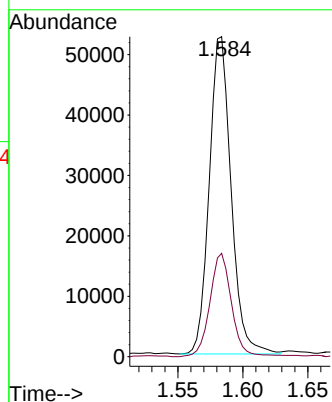
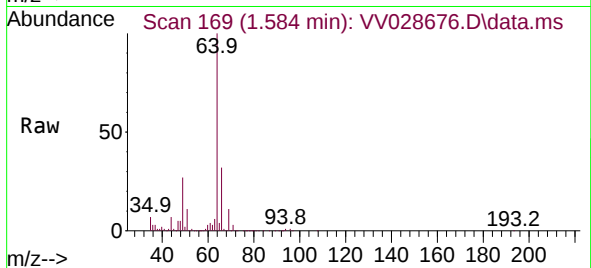




#8
Chloroethane
Concen: 5.566 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

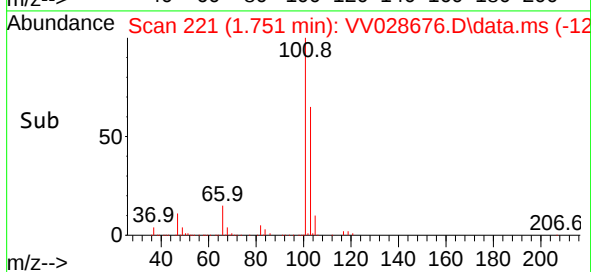
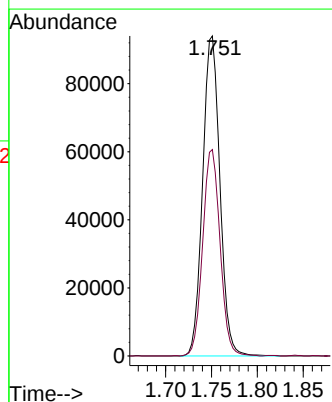
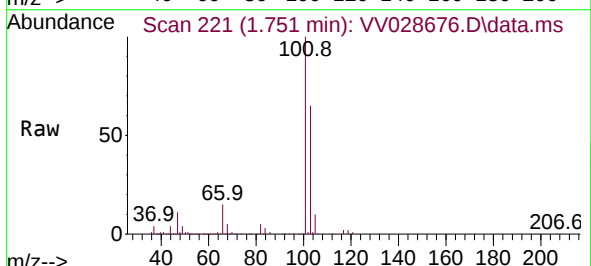
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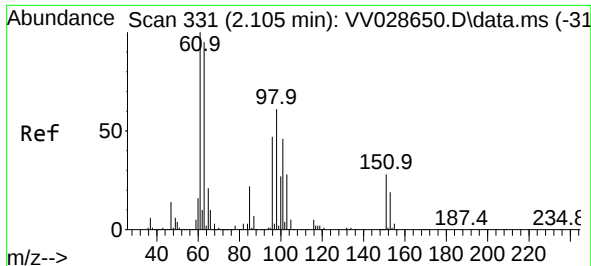
Tgt Ion: 64 Resp: 61397
Ion Ratio Lower Upper
64 100
66 32.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 6.135 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.010 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 101 Resp: 123109
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

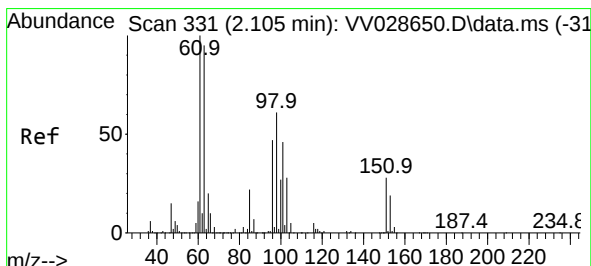
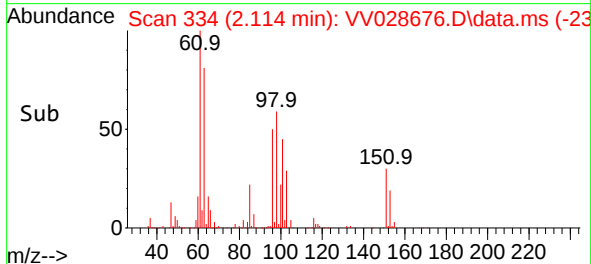
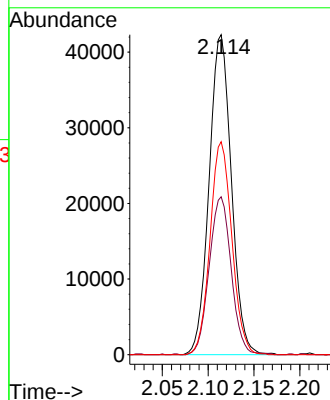
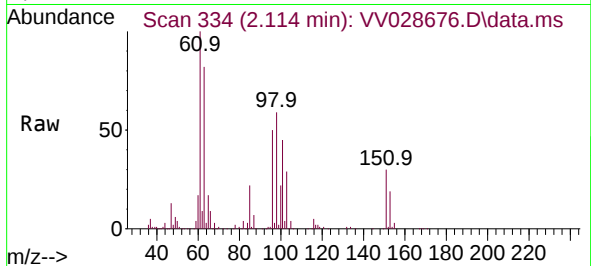




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.949 ug/L
 RT: 2.114 min Scan# 331
 Delta R.T. 0.010 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

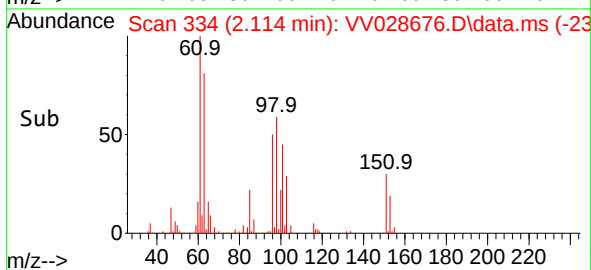
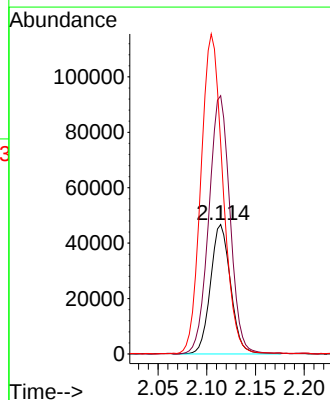
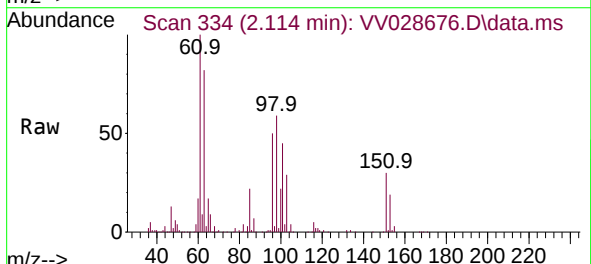
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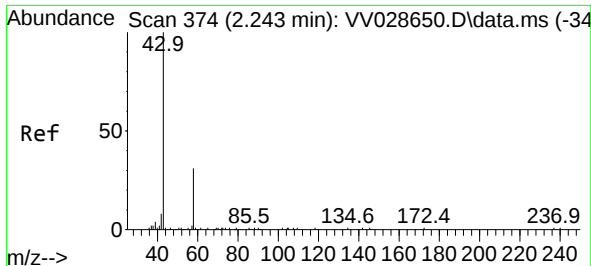
Tgt Ion:101 Resp: 71438
 Ion Ratio Lower Upper
 101 100
 85 48.8 37.0 55.6
 151 65.1 50.2 75.2



#12
 1,1-Dichloroethene
 Concen: 5.934 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.010 min
 Lab File: VV028676.D
 Acq: 21 Oct 2022 21:09

Tgt Ion: 96 Resp: 67015
 Ion Ratio Lower Upper
 96 100
 61 199.5 148.1 275.1
 63 162.6 133.3 247.7

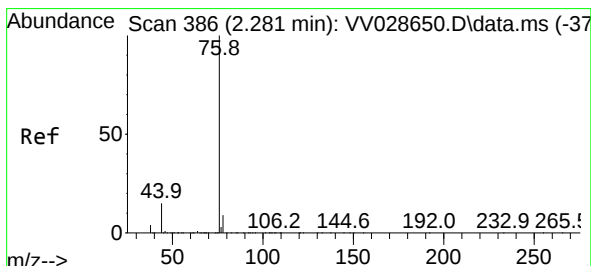
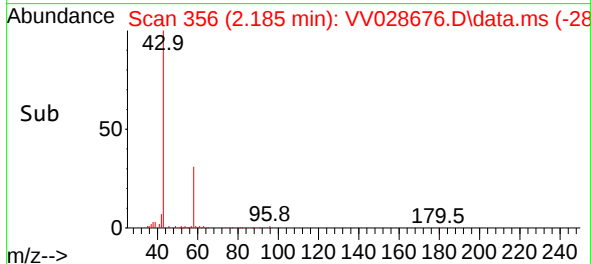
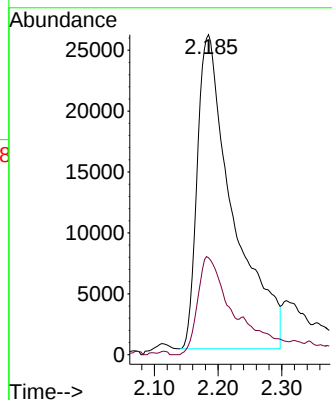
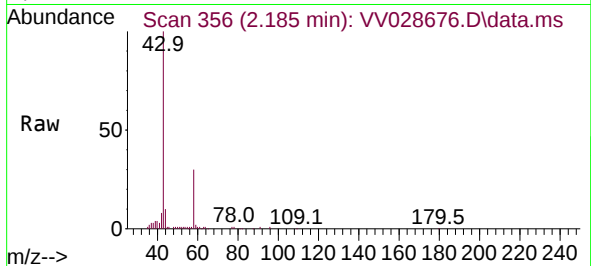




#13
Acetone
Concen: 48.034 ug/L
RT: 2.185 min Scan# 31
Delta R.T. -0.058 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

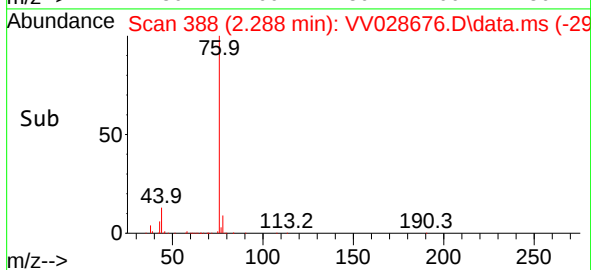
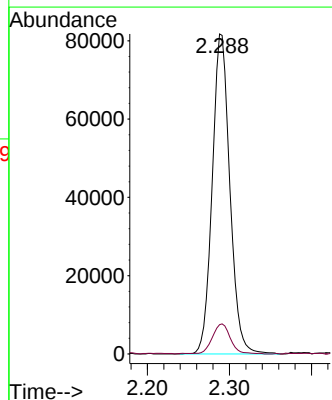
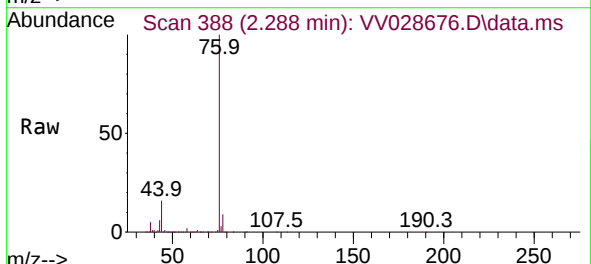
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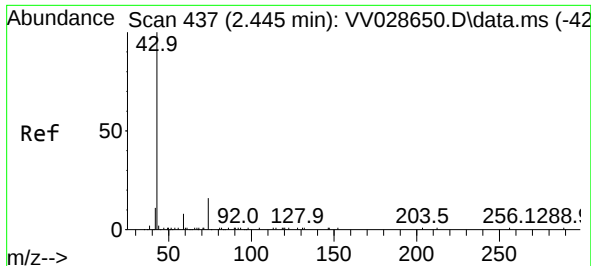
Tgt Ion: 43 Resp: 100367
Ion Ratio Lower Upper
43 100
58 23.8 0.0 50.2



#14
Carbon disulfide
Concen: 4.517 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.006 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 76 Resp: 122213
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

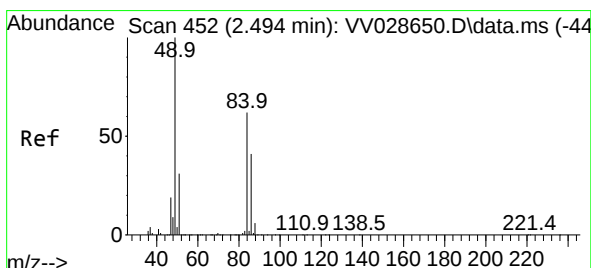
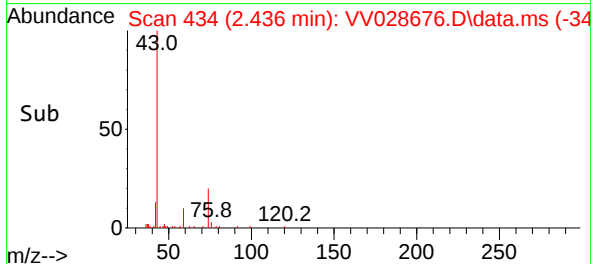
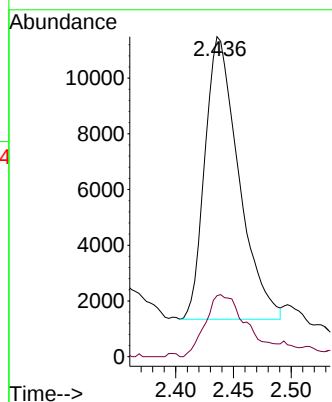
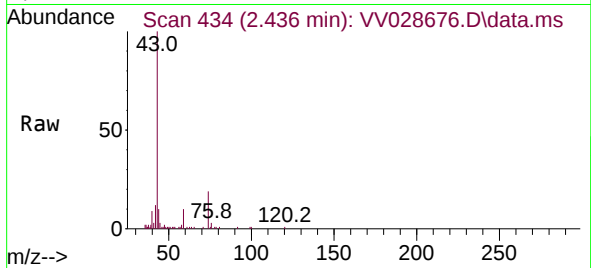




#15
Methyl Acetate
Concen: 3.318 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

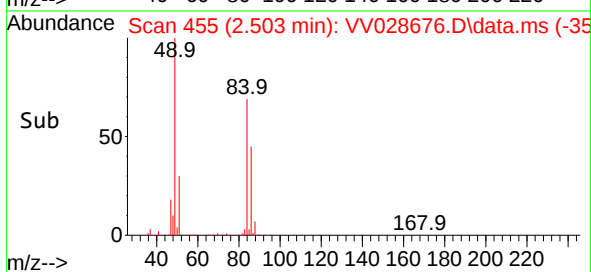
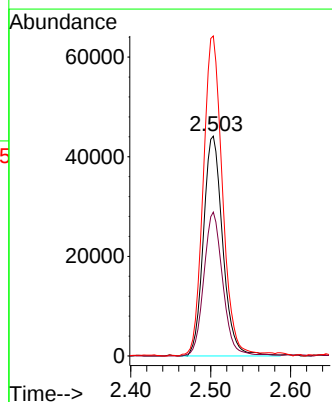
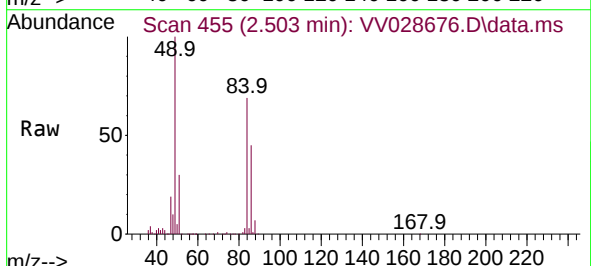
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

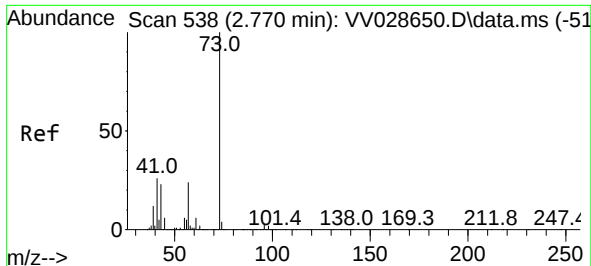
Tgt Ion: 43 Resp: 20626
Ion Ratio Lower Upper
43 100
74 26.9 14.9 22.3#



#16
Methylene chloride
Concen: 4.565 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.010 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 84 Resp: 74269
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.4
49 145.5 110.8 205.8

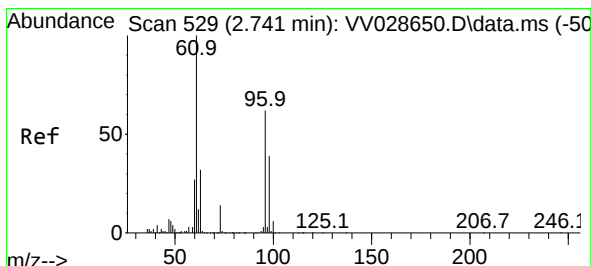
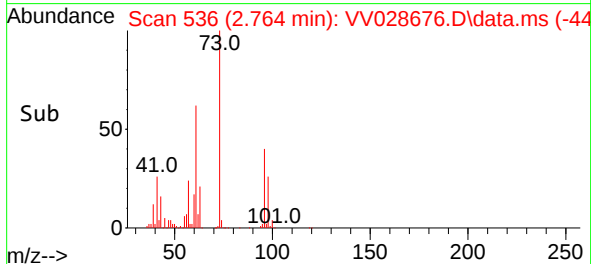
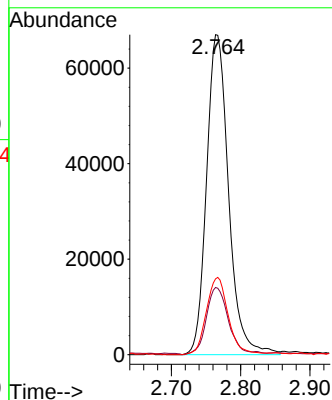
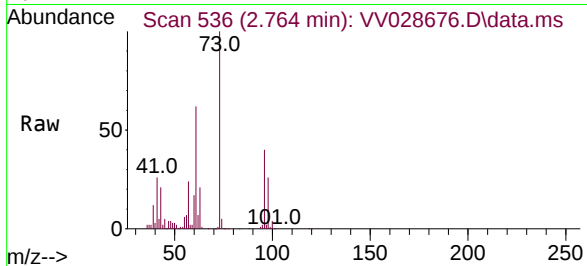




#17
Methyl tert-butyl Ether
Concen: 4.794 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

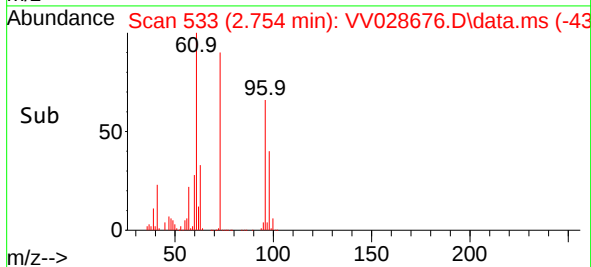
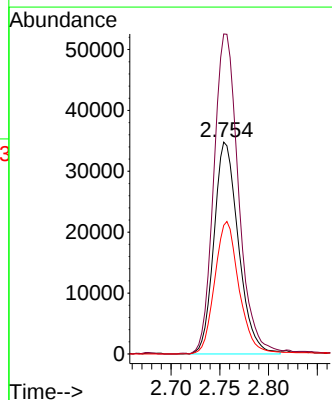
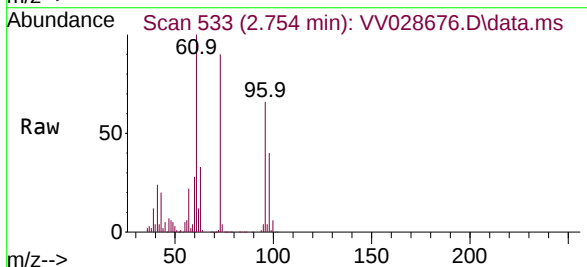
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

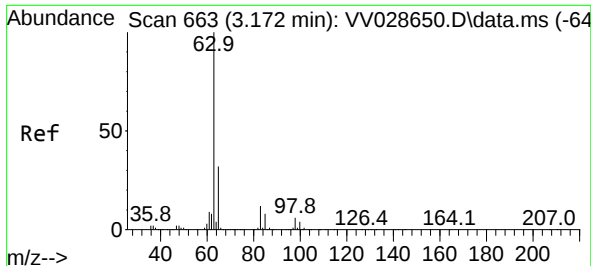
Tgt Ion: 73 Resp: 147989
Ion Ratio Lower Upper
73 100
43 20.8 18.0 27.0
57 23.9 20.0 30.0



#18
trans-1,2-Dichloroethene
Concen: 4.934 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.013 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 96 Resp: 60695
Ion Ratio Lower Upper
96 100
61 151.1 114.3 212.3
98 60.7 45.0 83.6





#19

1,1-Dichloroethane

Concen: 4.894 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.013 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

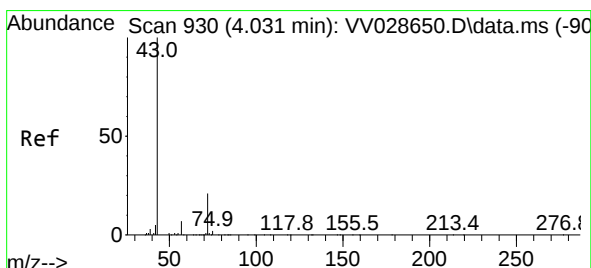
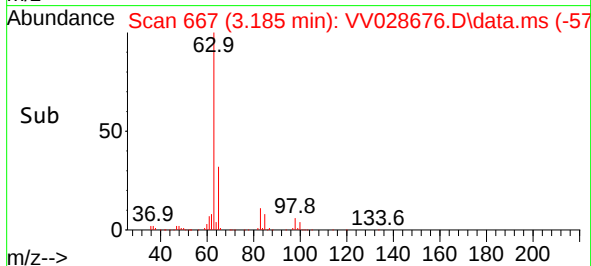
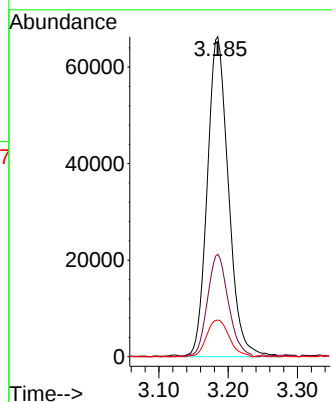
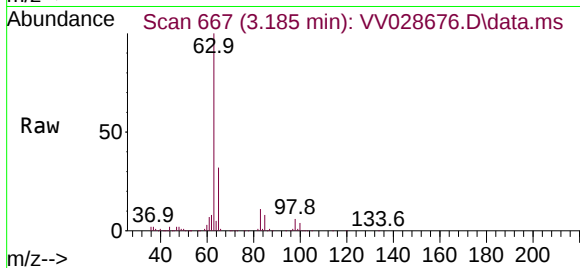
Tgt Ion: 63 Resp: 140552

Ion Ratio Lower Upper

63 100

65 32.7 23.1 42.9

83 11.5 7.9 14.7



#21

2-Butanone

Concen: 42.002 ug/L

RT: 3.986 min Scan# 916

Delta R.T. -0.045 min

Lab File: VV028676.D

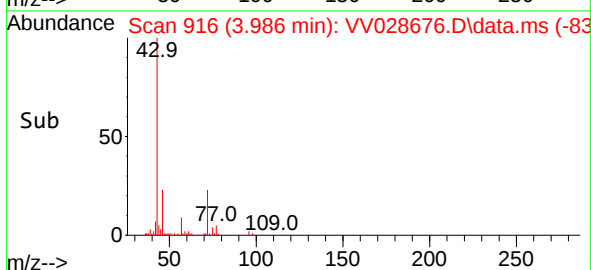
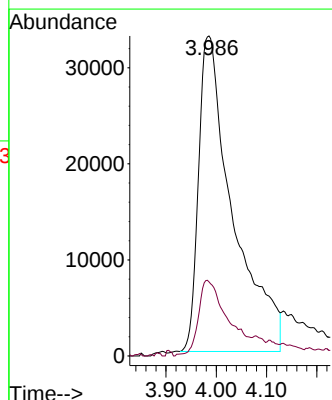
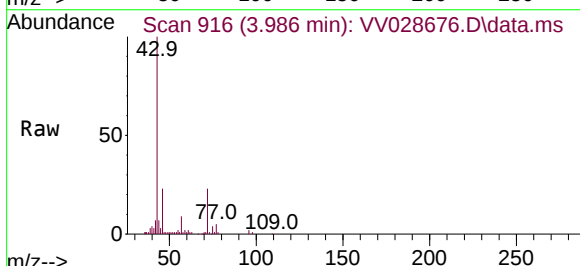
Acq: 21 Oct 2022 21:09

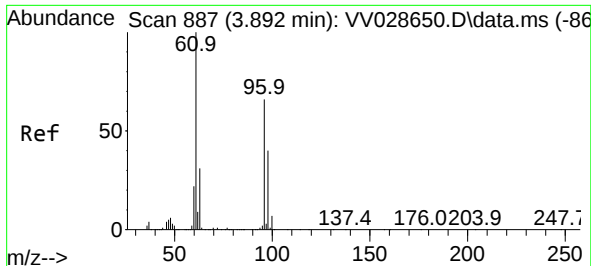
Tgt Ion: 43 Resp: 155100

Ion Ratio Lower Upper

43 100

72 20.6 10.2 30.4

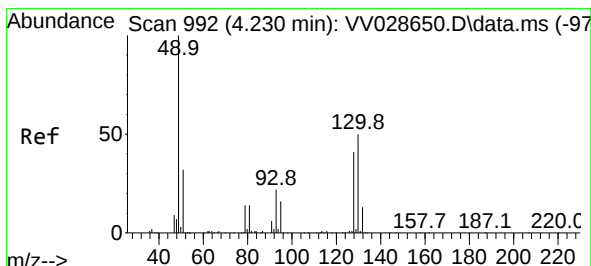
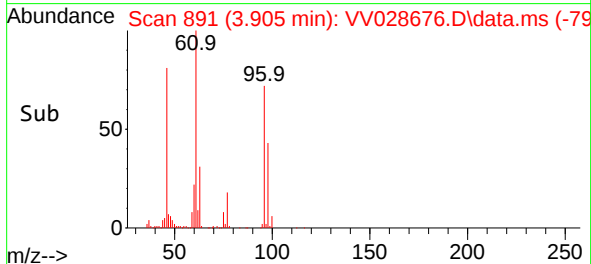
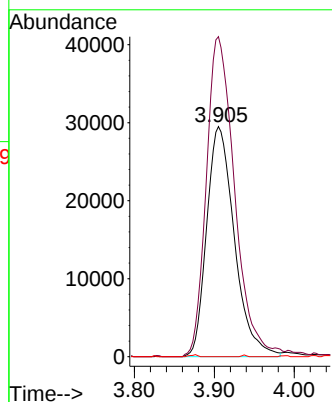
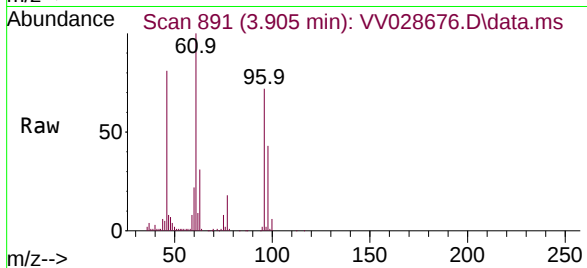




#22
cis-1,2-Dichloroethene
Concen: 5.031 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.013 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

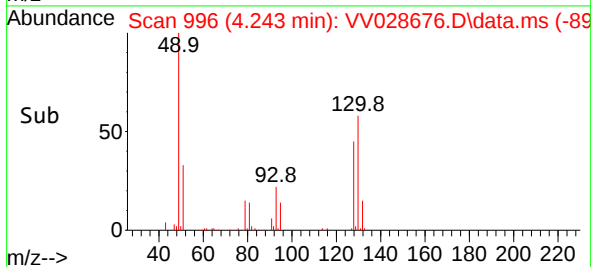
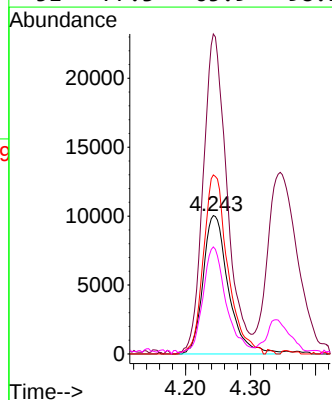
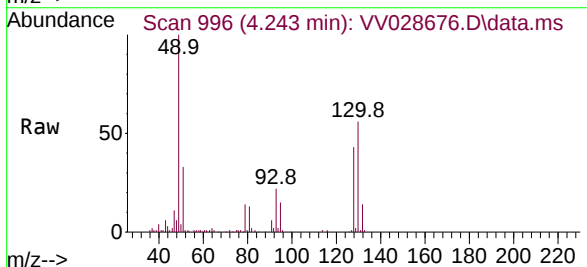
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

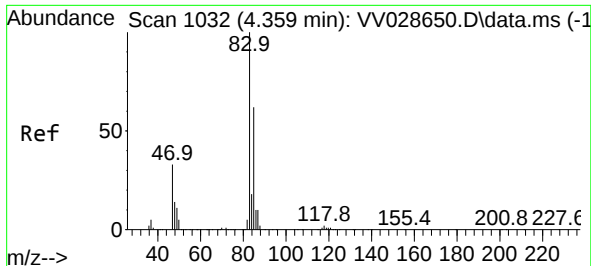
Tgt Ion: 96 Resp: 71165
Ion Ratio Lower Upper
96 100
61 139.1 101.4 188.2
68 0.0 0.5 0.9#



#23
Bromochloromethane
Concen: 5.248 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.013 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 128 Resp: 27161
Ion Ratio Lower Upper
128 100
49 231.2 171.1 317.7
130 129.3 86.4 160.4
51 77.3 65.9 98.9

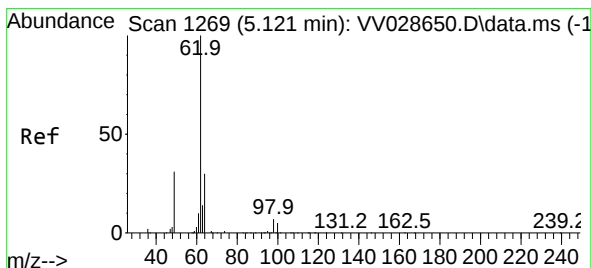
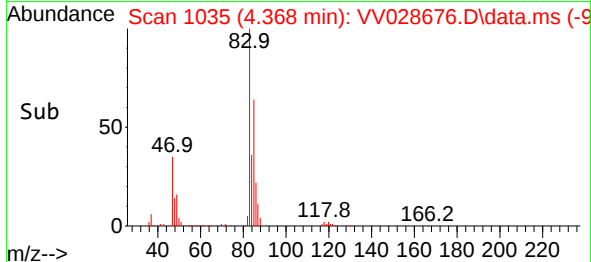
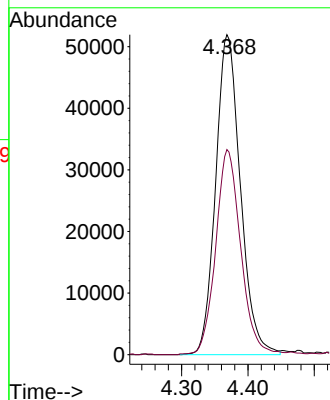
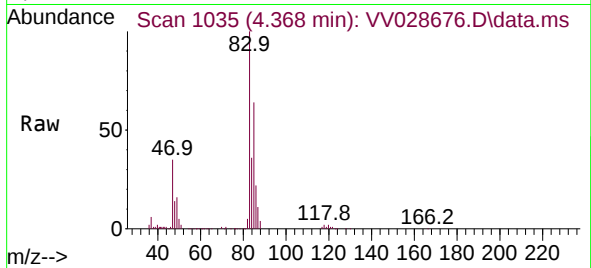




#25
Chloroform
Concen: 4.949 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.010 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

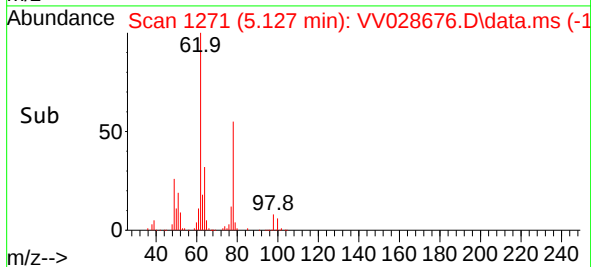
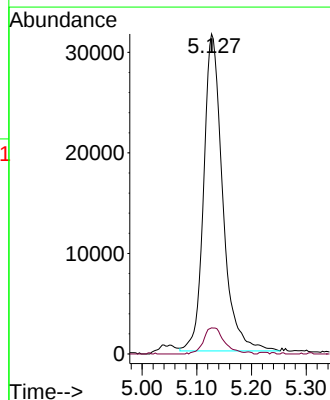
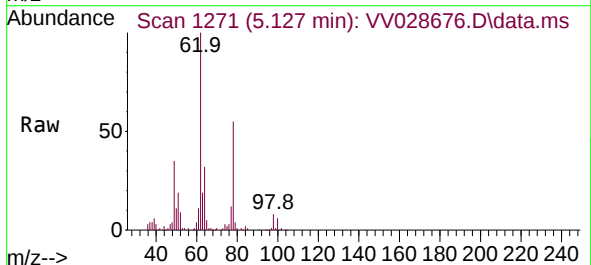
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

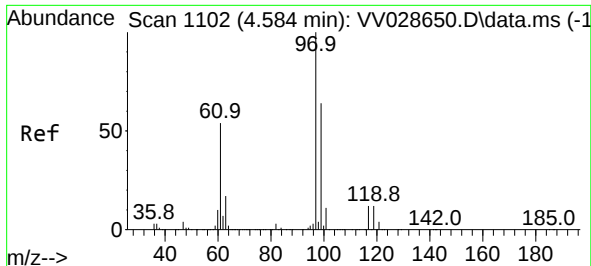
Tgt Ion: 83 Resp: 134848
Ion Ratio Lower Upper
83 100
85 64.1 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.466 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.006 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 62 Resp: 76128
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 3.561 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.019 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

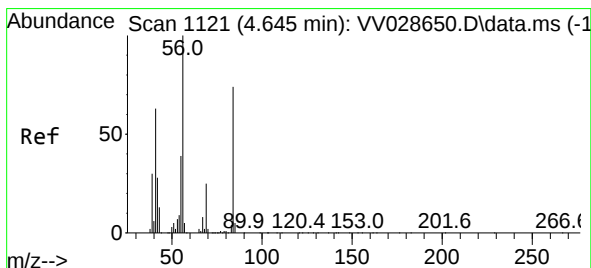
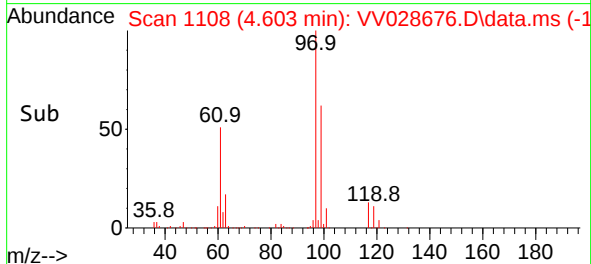
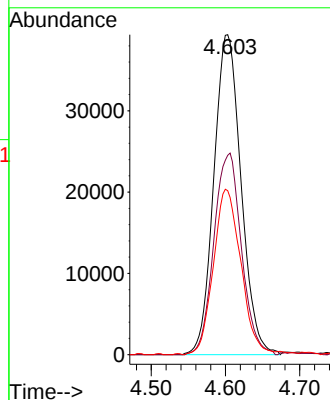
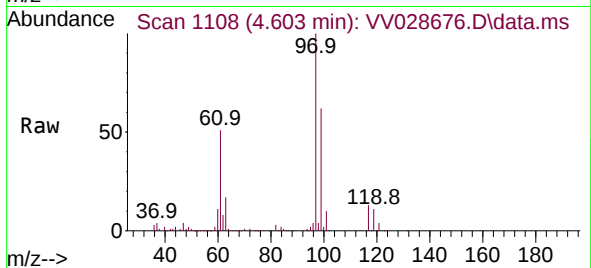
Tgt Ion: 97 Resp: 100411

Ion Ratio Lower Upper

97 100

99 63.6 50.5 75.7

61 52.1 43.1 64.7



#30

Cyclohexane

Concen: 3.558 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.026 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

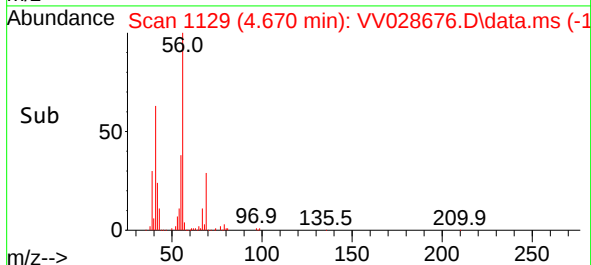
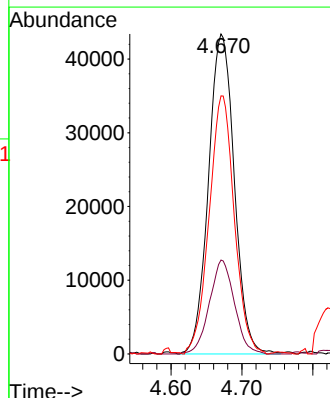
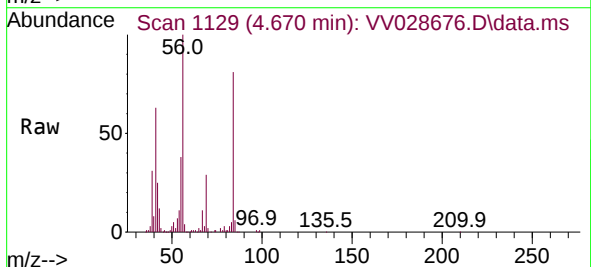
Tgt Ion: 56 Resp: 109919

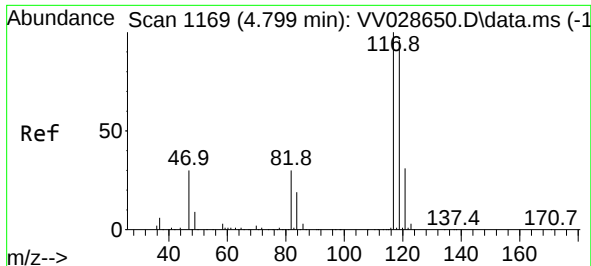
Ion Ratio Lower Upper

56 100

69 28.4 22.6 34.0

84 78.5 60.4 90.6

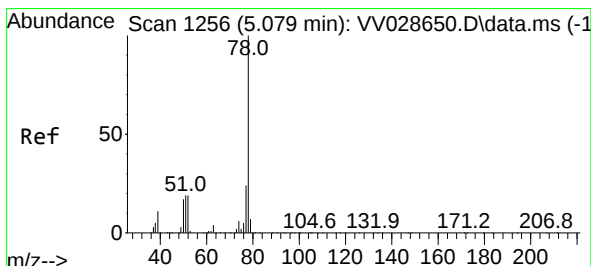
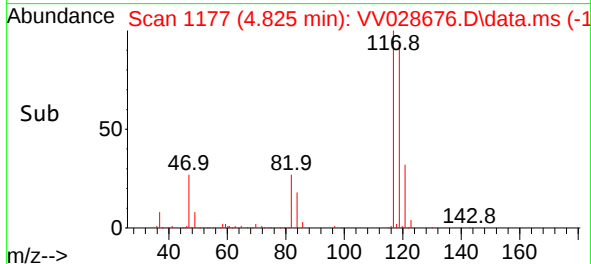
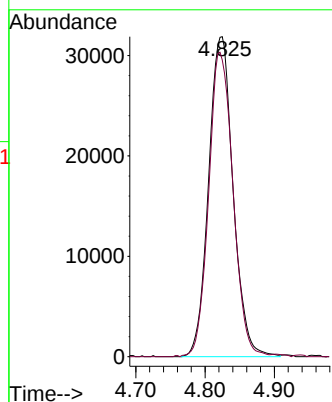
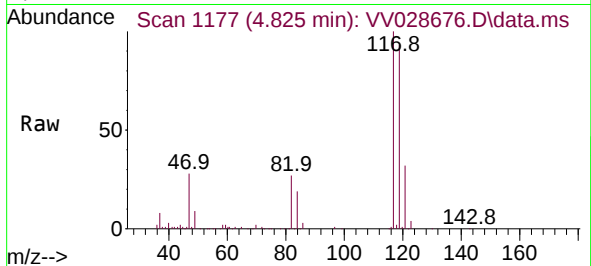




#31
Carbon tetrachloride
Concen: 3.764 ug/L
RT: 4.825 min Scan# 1169
Delta R.T. 0.026 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

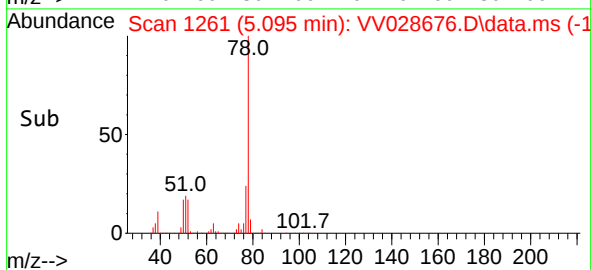
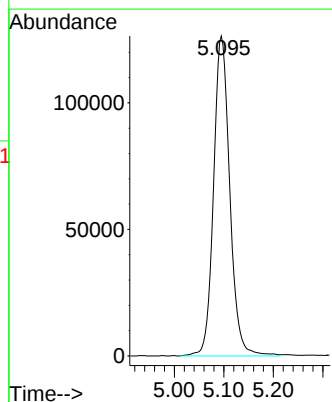
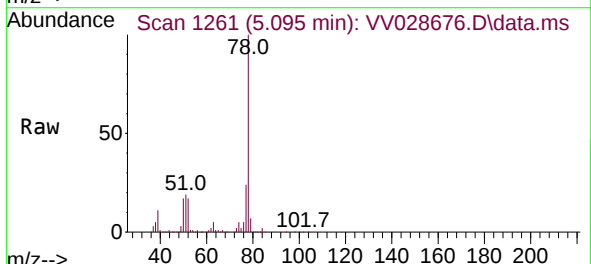
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

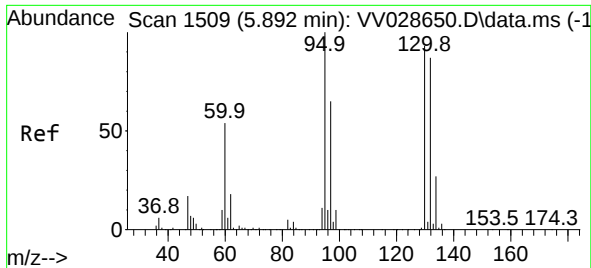
Tgt Ion:117 Resp: 78378
Ion Ratio Lower Upper
117 100
119 94.2 76.1 114.1



#33
Benzene
Concen: 3.746 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.016 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 78 Resp: 287624



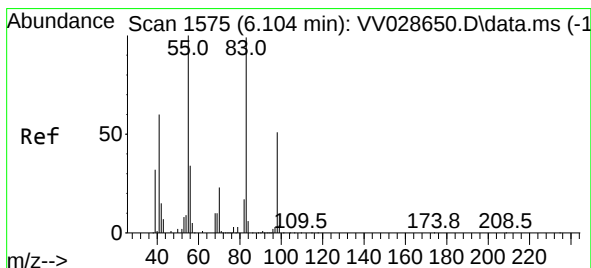
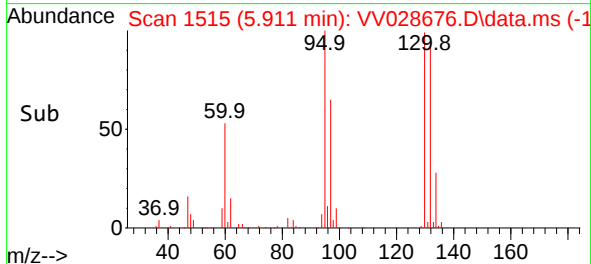
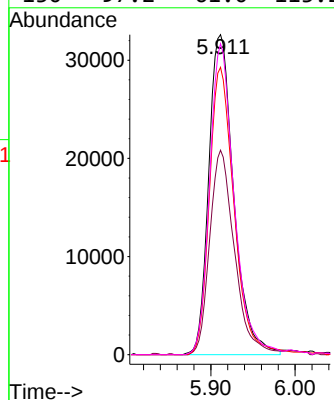
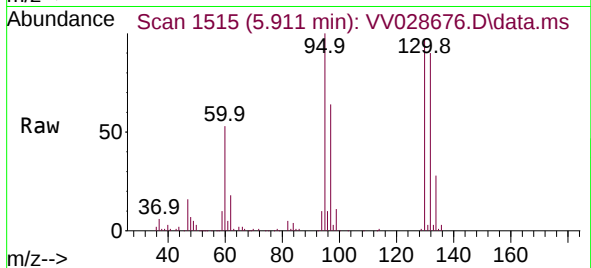


#34
Trichloroethene
Concen: 3.805 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.019 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

Tgt Ion: 95 Resp: 67424

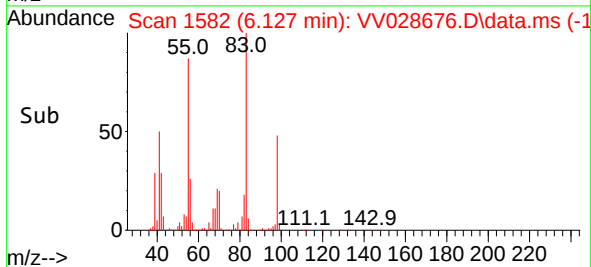
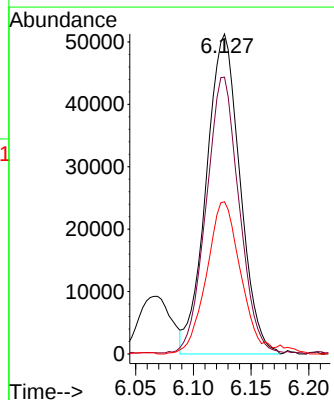
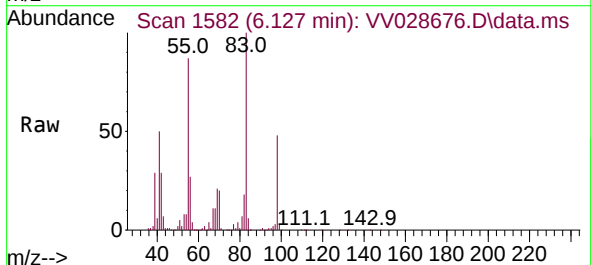
Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.5	80.9
132	89.8	56.5	104.9
130	97.2	61.0	113.2

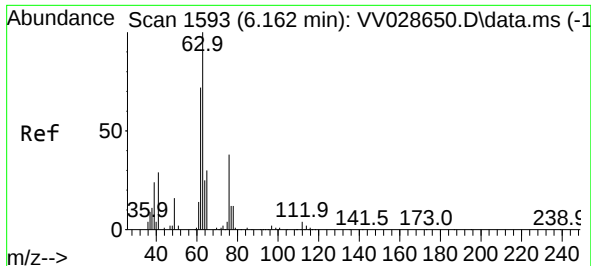


#35
Methylcyclohexane
Concen: 3.747 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.022 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 83 Resp: 104204

Ion	Ratio	Lower	Upper
83	100		
55	85.2	70.0	105.0
98	48.3	35.6	53.4





#37

1,2-Dichloropropane

Concen: 3.685 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

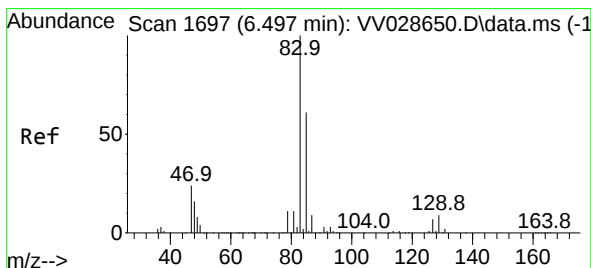
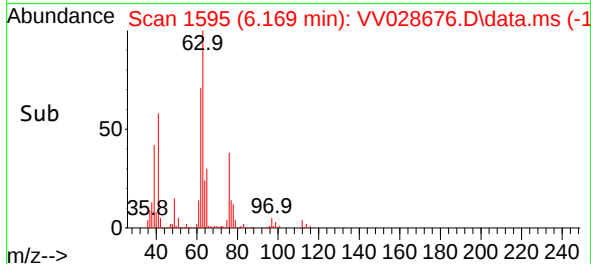
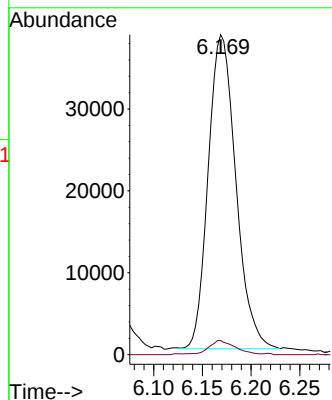
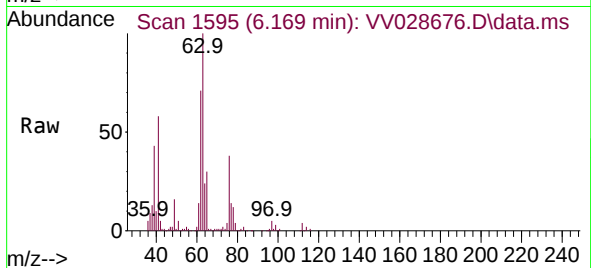
VSTD005332

Tgt Ion: 63 Resp: 75717

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 4.144 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.010 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

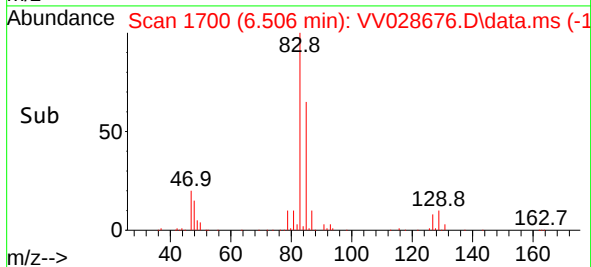
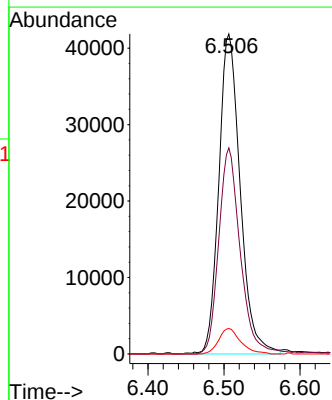
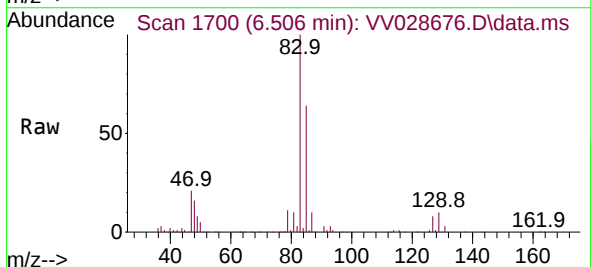
Tgt Ion: 83 Resp: 81786

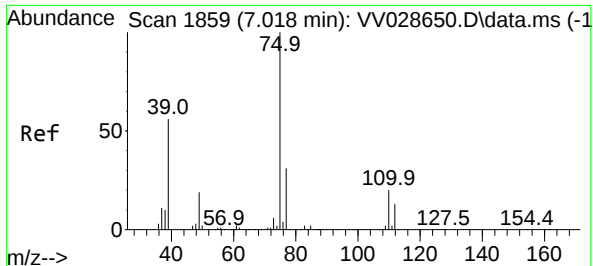
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 7.9 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.044 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.006 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

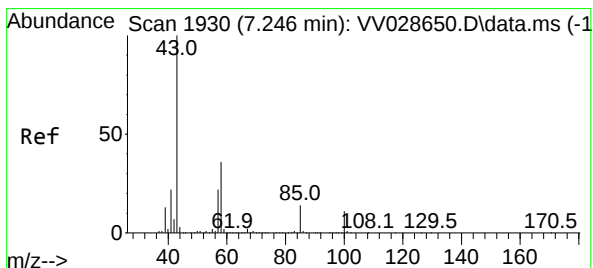
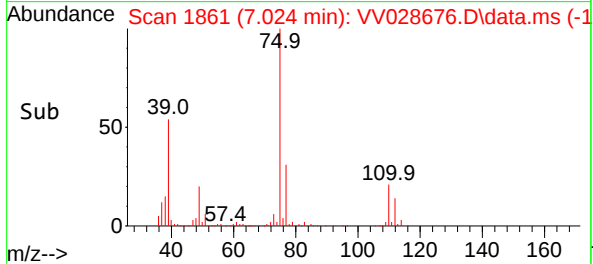
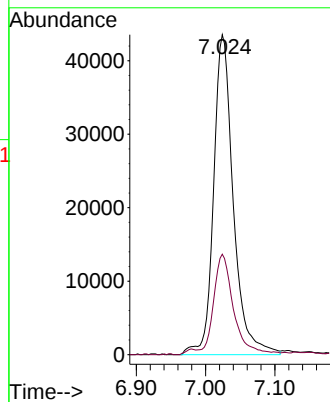
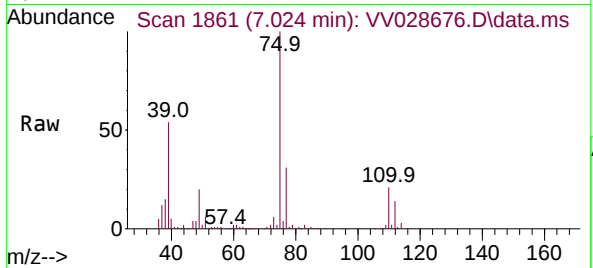
VSTD005332

Tgt Ion: 75 Resp: 86061

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 45.371 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.023 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

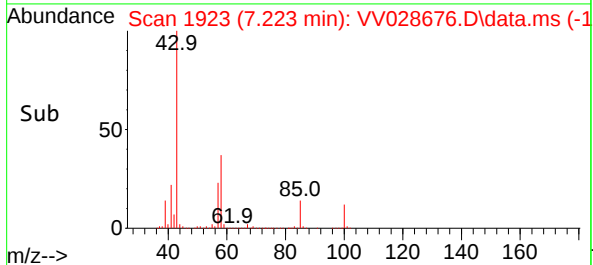
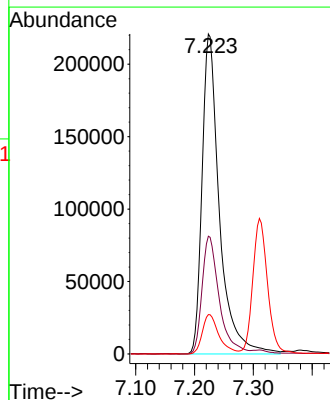
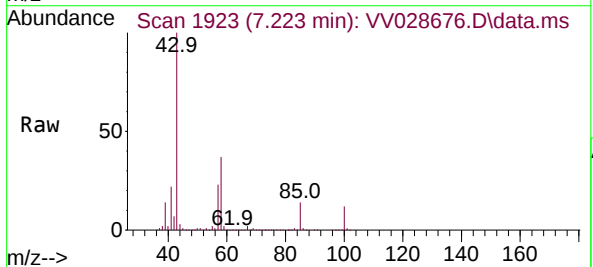
Tgt Ion: 43 Resp: 451479

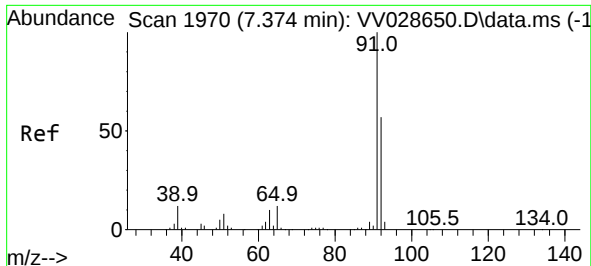
Ion Ratio Lower Upper

43 100

58 36.4 29.6 44.4

100 11.9 9.4 14.0





#42

Toluene

Concen: 4.579 ug/L

RT: 7.384 min Scan# 1970

Delta R.T. 0.010 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

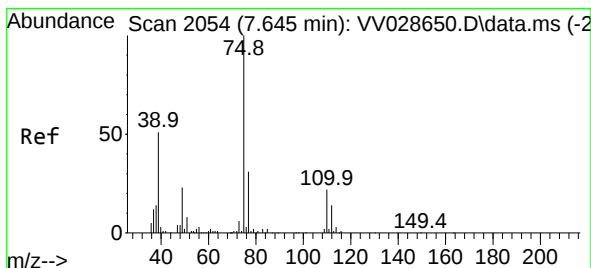
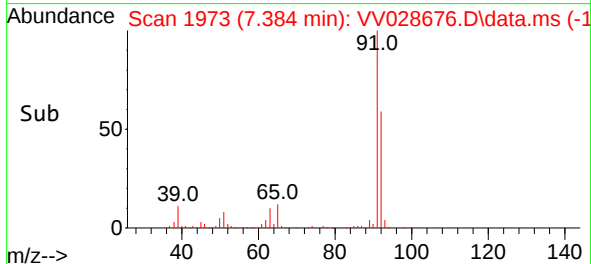
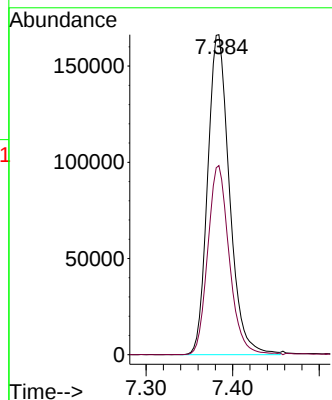
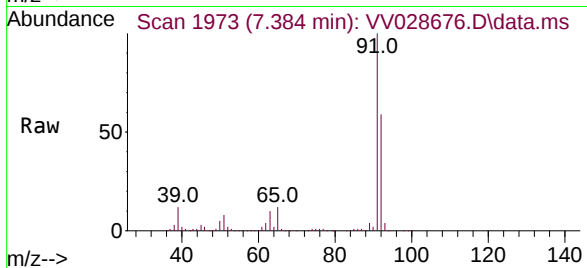
VSTD005332

Tgt Ion: 91 Resp: 291114

Ion Ratio Lower Upper

91 100

92 59.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.296 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV028676.D

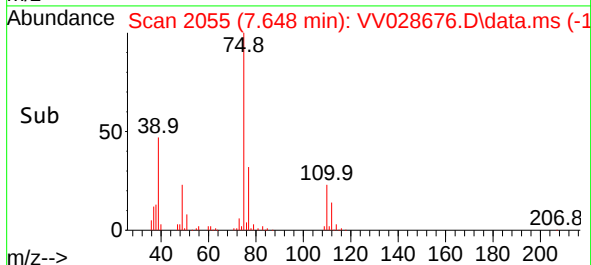
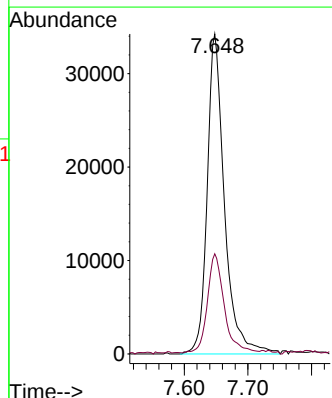
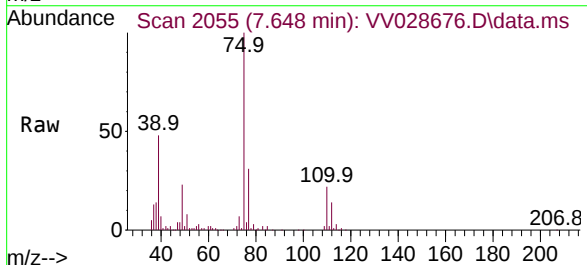
Acq: 21 Oct 2022 21:09

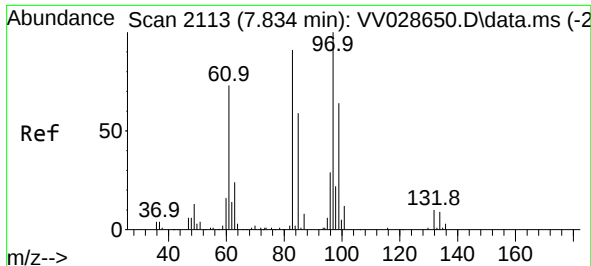
Tgt Ion: 75 Resp: 64619

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.816 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

Tgt Ion: 97 Resp: 46649

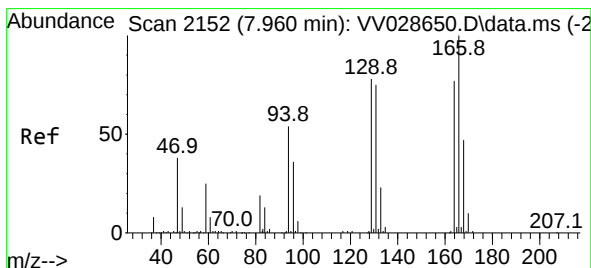
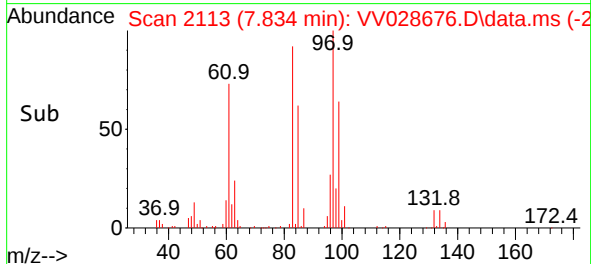
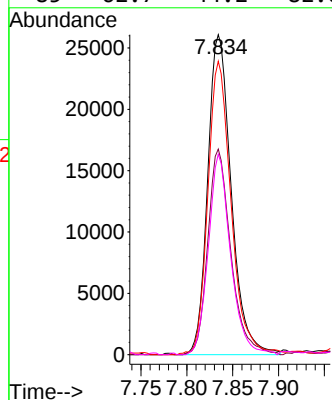
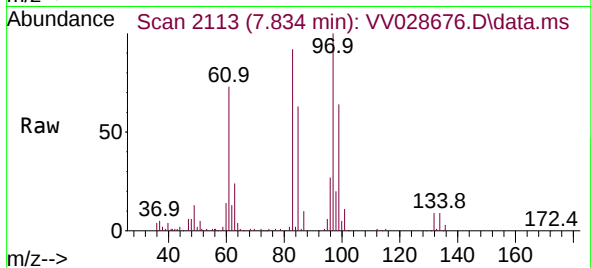
Ion Ratio Lower Upper

97 100

99 64.3 44.0 81.6

83 91.7 66.2 123.0

85 62.7 44.2 82.0



#47

Tetrachloroethene

Concen: 4.754 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.010 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Tgt Ion: 164 Resp: 45492

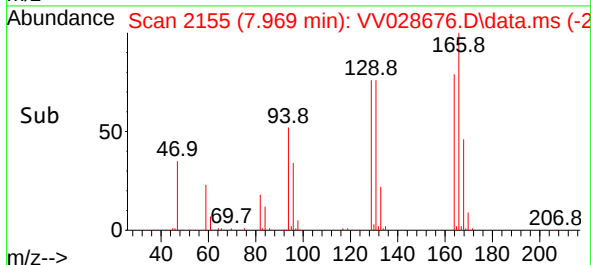
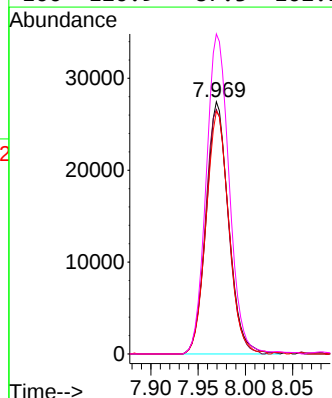
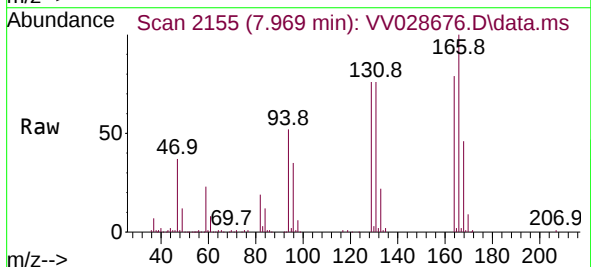
Ion Ratio Lower Upper

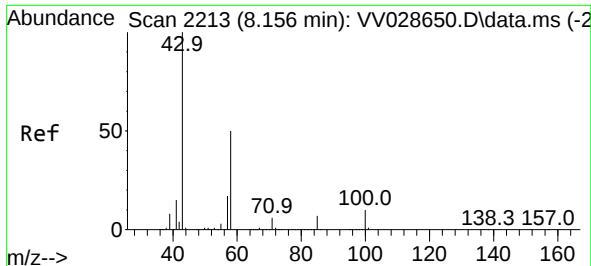
164 100

129 97.0 69.2 128.6

131 96.2 64.2 119.2

166 126.9 87.3 162.1

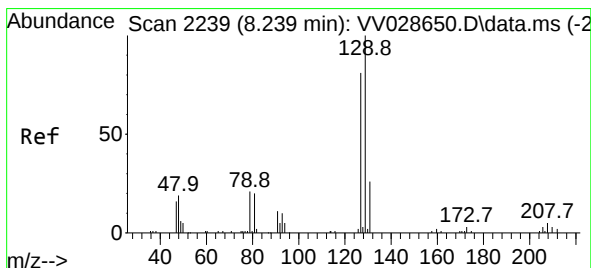
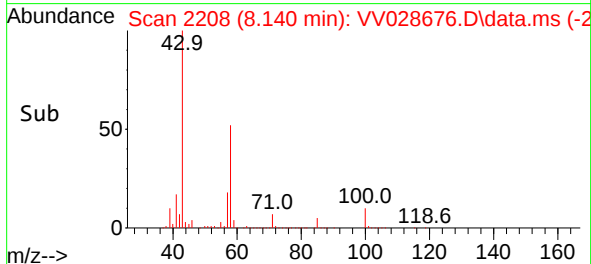
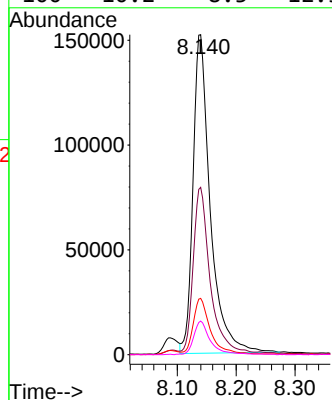
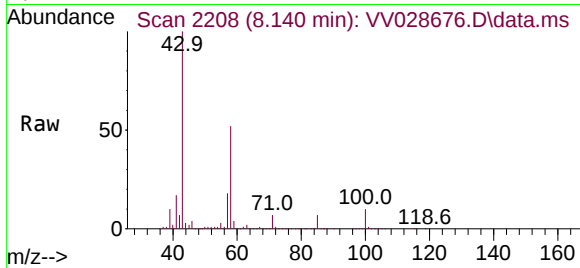




#48
2-Hexanone
Concen: 49.841 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.016 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

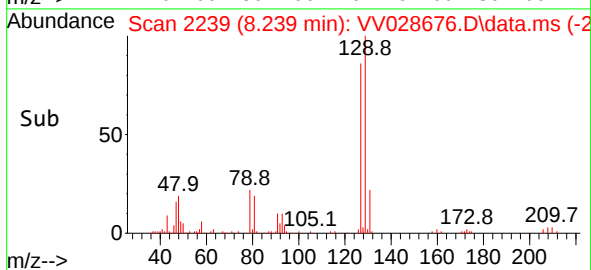
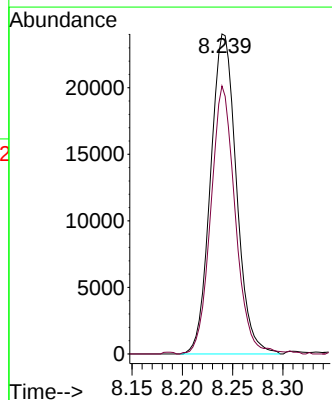
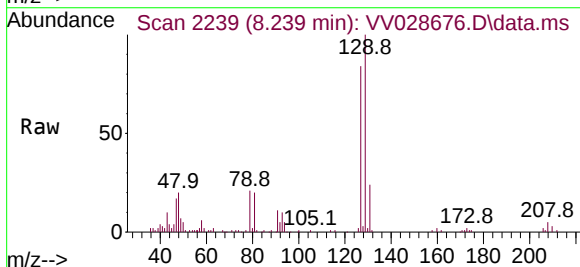
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

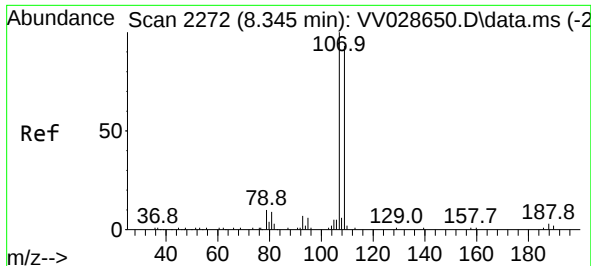
Tgt Ion: 43 Resp: 310661
Ion Ratio Lower Upper
43 100
58 50.2 40.6 60.8
57 17.1 13.8 20.8
100 10.2 8.3 12.5



#49
Dibromochloromethane
Concen: 4.790 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 129 Resp: 42998
Ion Ratio Lower Upper
129 100
127 83.7 51.6 95.8





#50

1,2-Dibromoethane

Concen: 4.863 ug/L

RT: 8.345 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

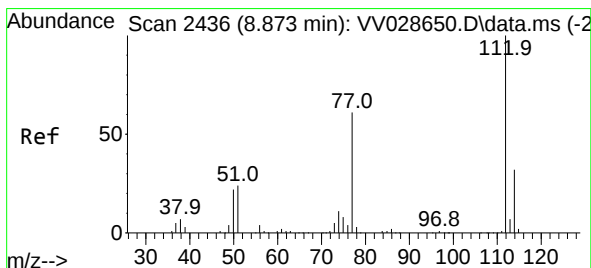
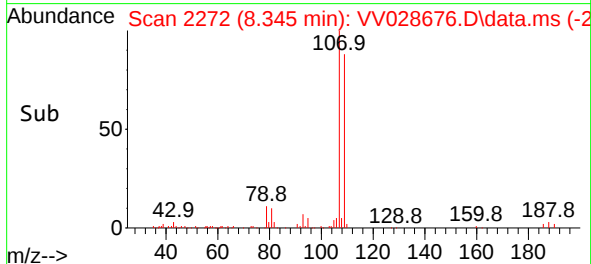
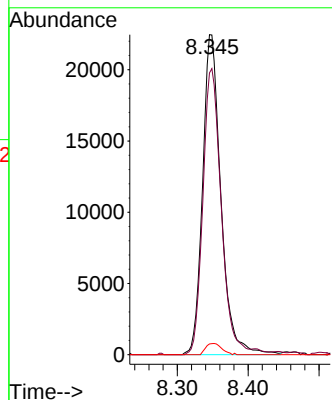
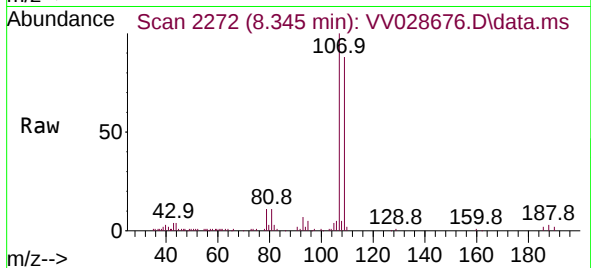
Tgt Ion:107 Resp: 40329

Ion Ratio Lower Upper

107 100

109 88.1 64.0 118.8

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 4.957 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

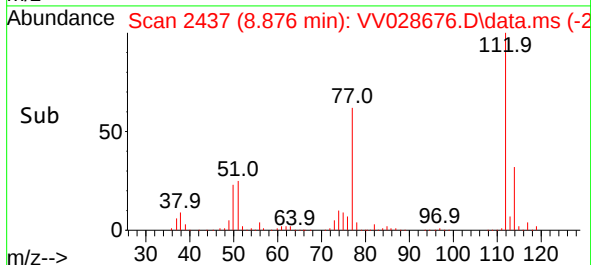
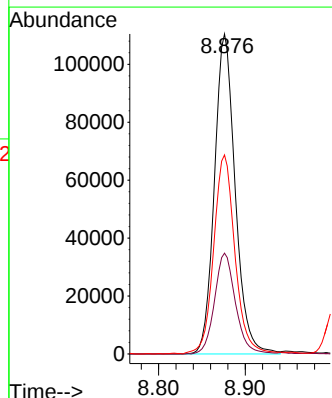
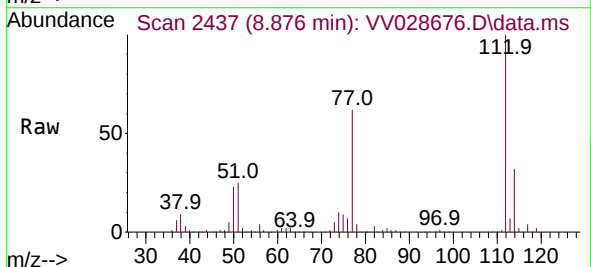
Tgt Ion:112 Resp: 184257

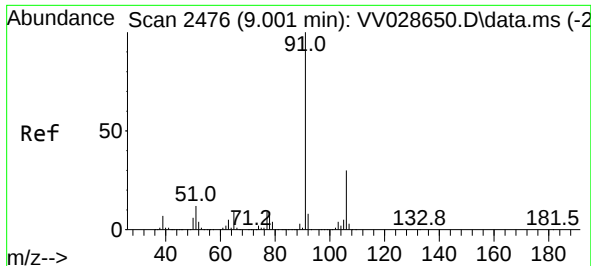
Ion Ratio Lower Upper

112 100

114 31.5 22.0 41.0

77 62.2 50.0 75.0





#52

Ethylbenzene

Concen: 4.894 ug/L

RT: 9.005 min Scan# 2476

Delta R.T. 0.003 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

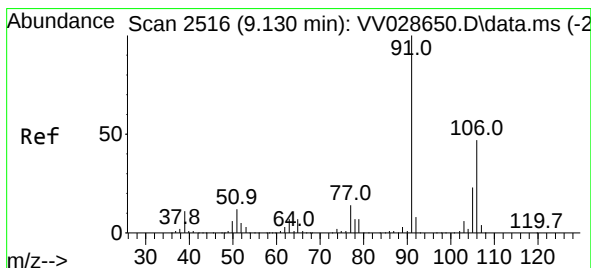
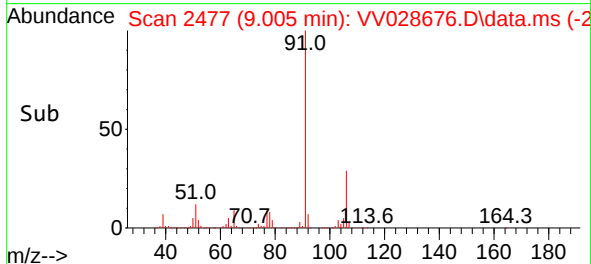
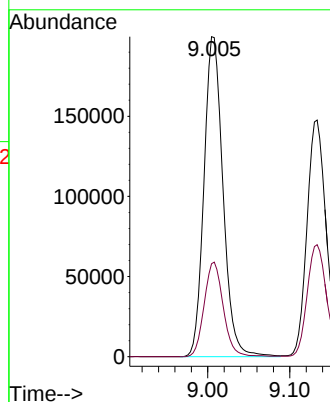
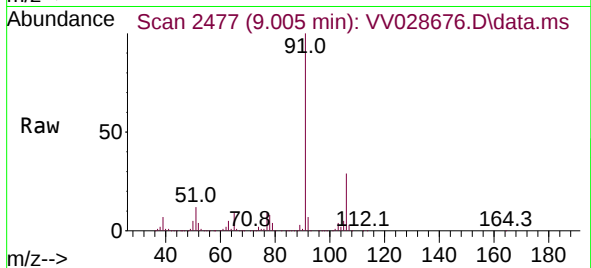
VSTD005332

Tgt Ion: 91 Resp: 321708

Ion Ratio Lower Upper

91 100

106 29.1 21.3 39.6



#53

m,p-Xylene

Concen: 4.777 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV028676.D

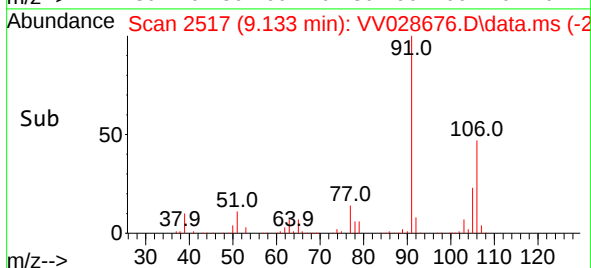
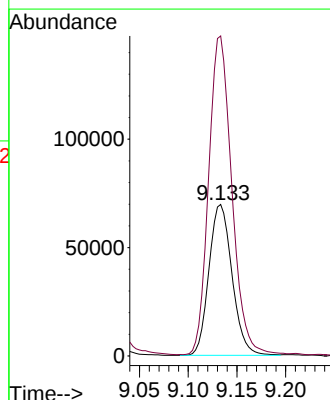
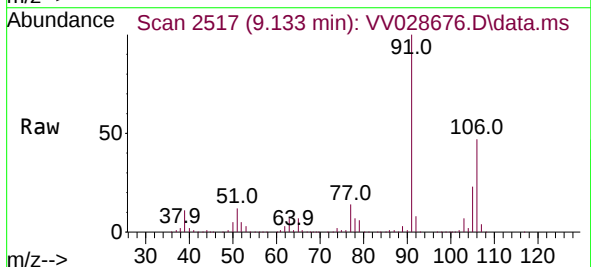
Acq: 21 Oct 2022 21:09

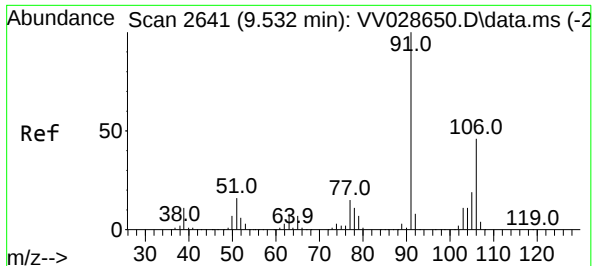
Tgt Ion: 106 Resp: 114729

Ion Ratio Lower Upper

106 100

91 211.2 145.5 270.1

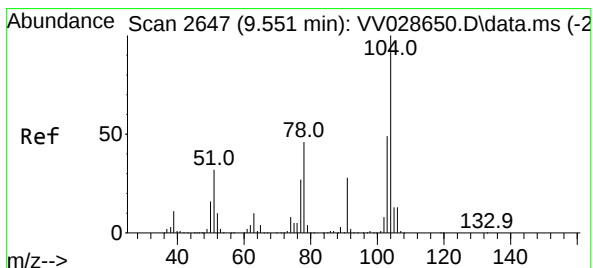
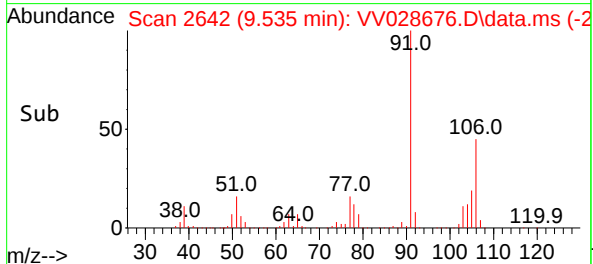
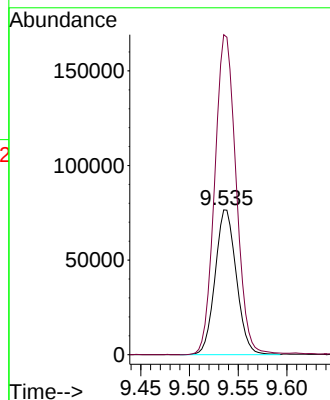
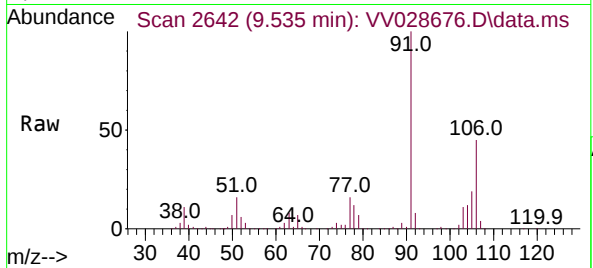




#54
o-Xylene
Concen: 4.887 ug/L
RT: 9.535 min Scan# 2641
Delta R.T. 0.003 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

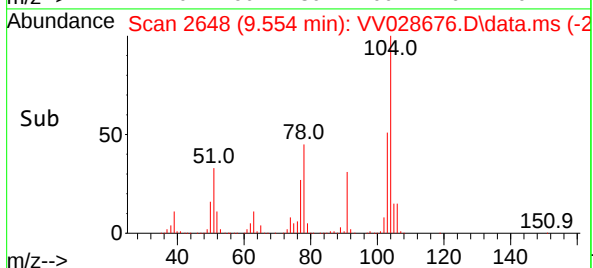
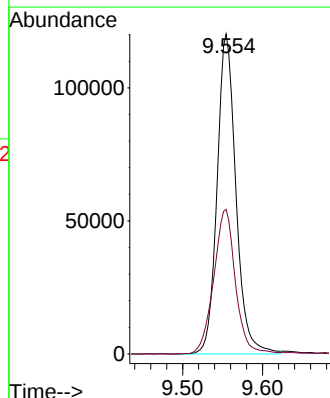
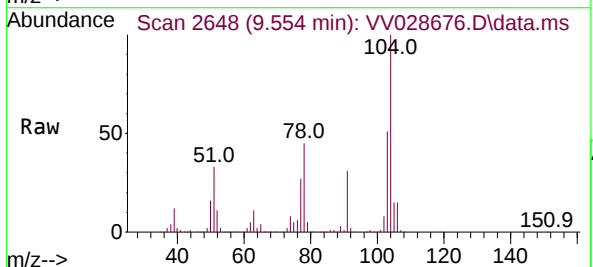
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

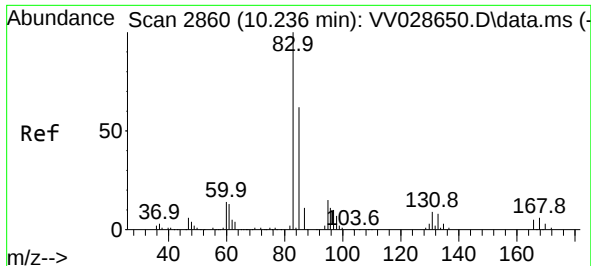
Tgt Ion:106 Resp: 116408
Ion Ratio Lower Upper
106 100
91 220.9 159.0 295.4



#55
Styrene
Concen: 4.839 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion:104 Resp: 196496
Ion Ratio Lower Upper
104 100
78 45.1 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.006 ug/L

RT: 10.236 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

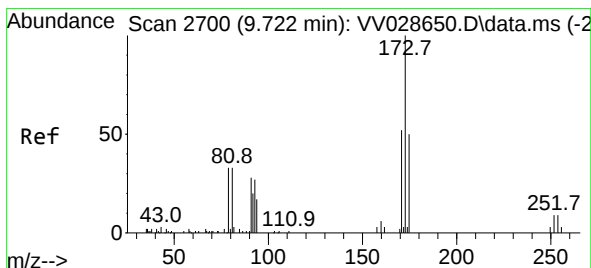
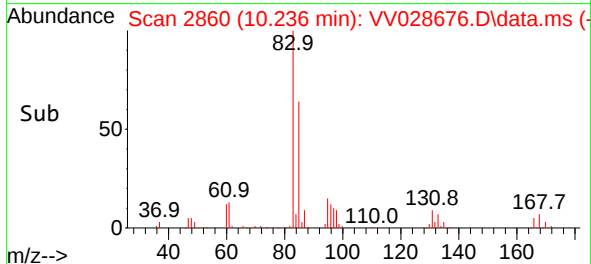
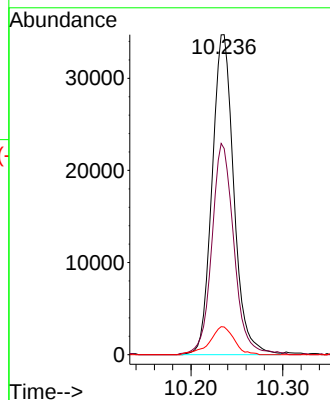
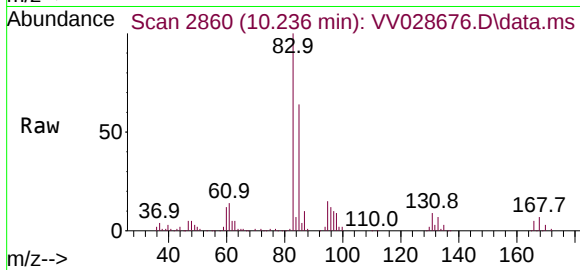
Tgt Ion: 83 Resp: 57092

Ion Ratio Lower Upper

83 100

85 64.4 43.0 80.0

131 8.6 6.5 9.7



#59

Bromoform

Concen: 4.717 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.003 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

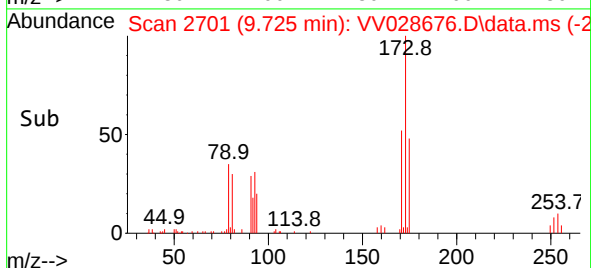
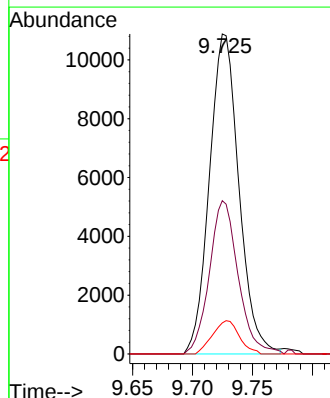
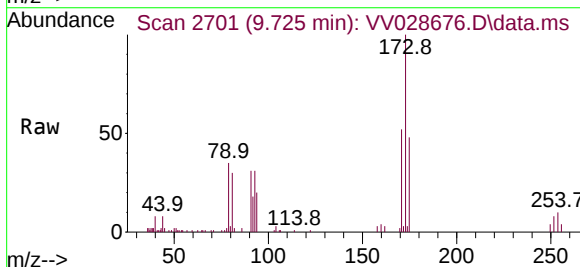
Tgt Ion: 173 Resp: 18576

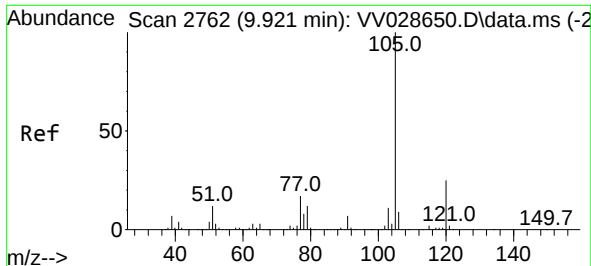
Ion Ratio Lower Upper

173 100

175 46.7 39.8 59.8

254 9.4 7.3 10.9

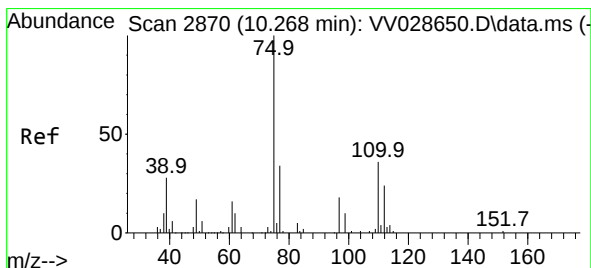
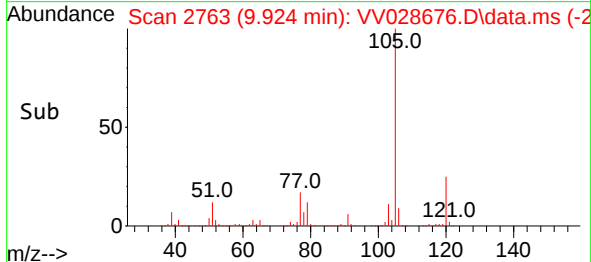
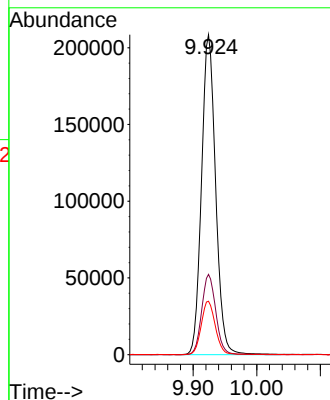
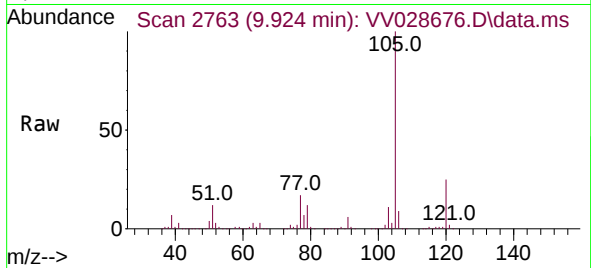




#60
Isopropylbenzene
Concen: 4.818 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

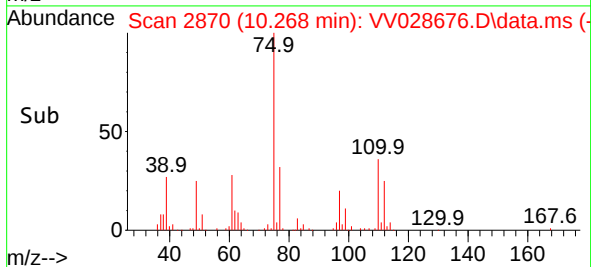
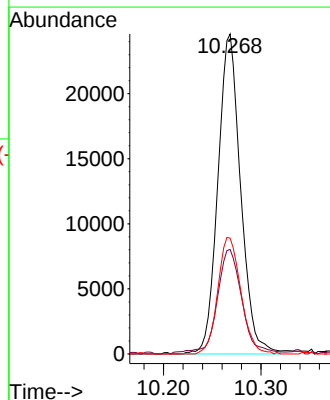
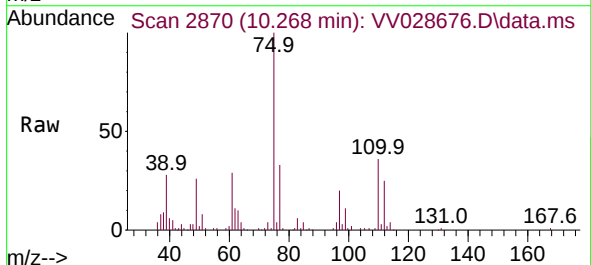
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

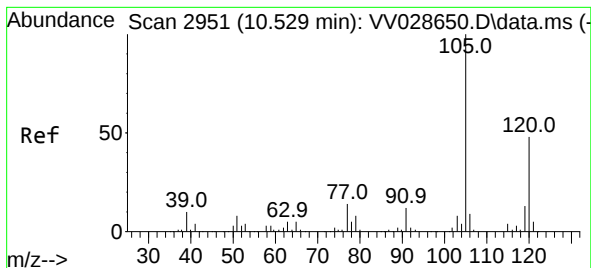
Tgt Ion:105 Resp: 321137
Ion Ratio Lower Upper
105 100
120 25.0 20.1 30.1
77 16.7 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 4.611 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. -0.000 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion: 75 Resp: 39853
Ion Ratio Lower Upper
75 100
77 35.7 25.2 37.8
110 37.0 27.9 41.9





#62

1,3,5-Trimethylbenzene

Concen: 4.597 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

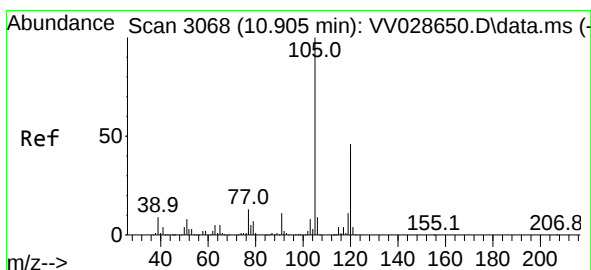
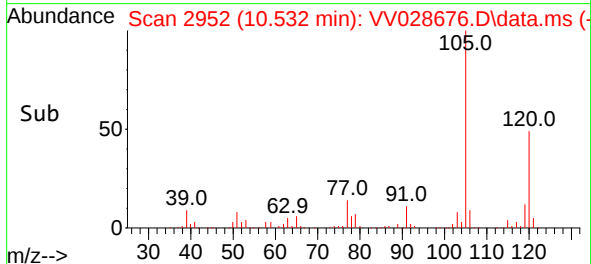
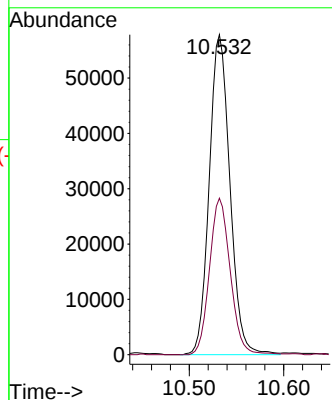
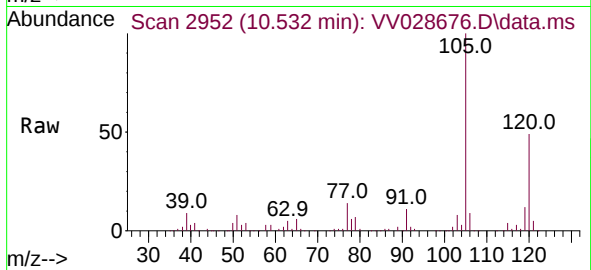
VSTD005332

Tgt Ion:105 Resp: 88017

Ion Ratio Lower Upper

105 100

120 49.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 4.920 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV028676.D

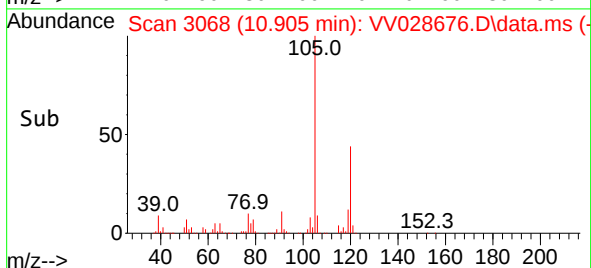
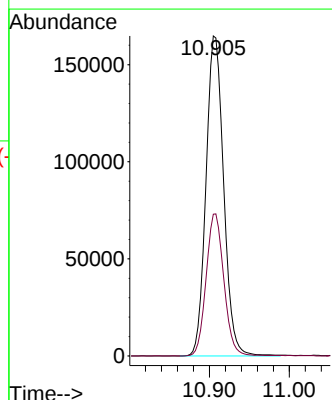
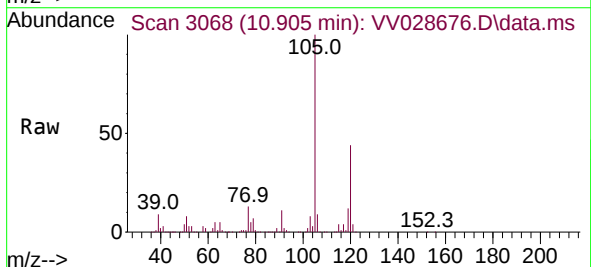
Acq: 21 Oct 2022 21:09

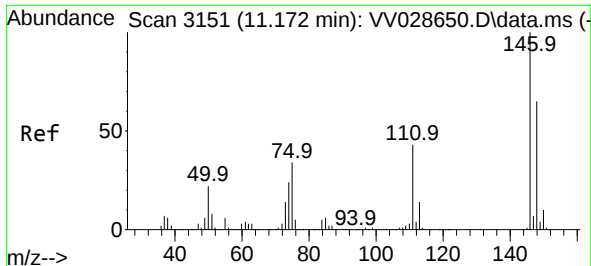
Tgt Ion:105 Resp: 253676

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.2

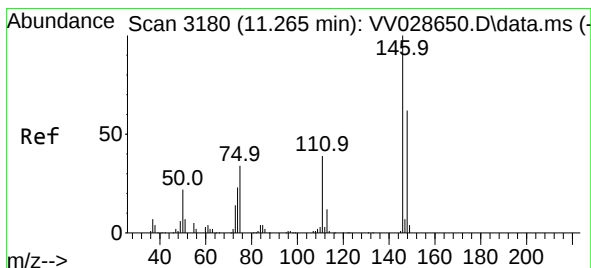
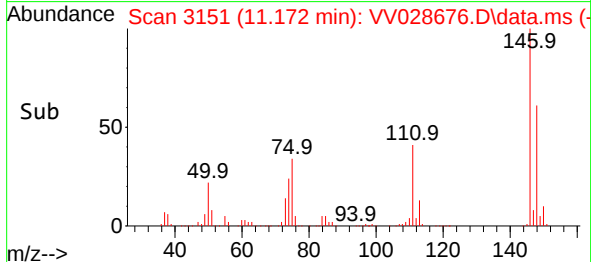
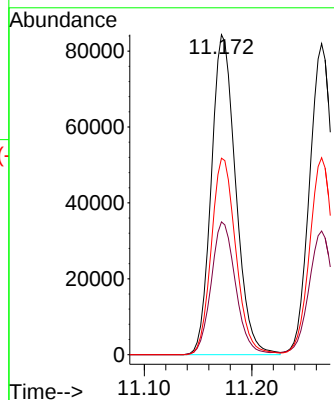
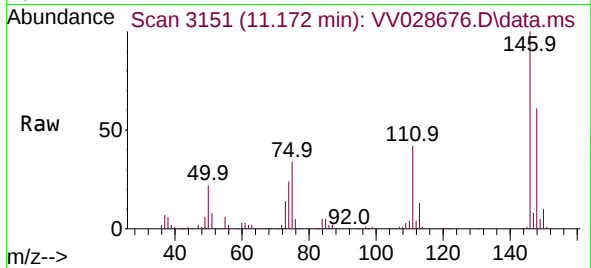




#64
1,3-Dichlorobenzene
Concen: 5.038 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

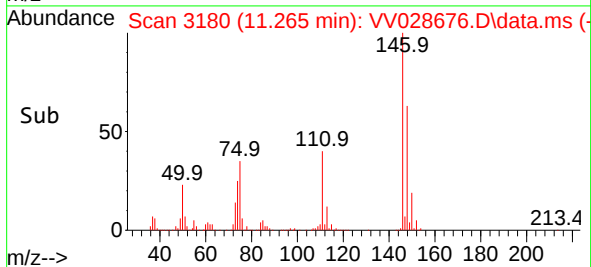
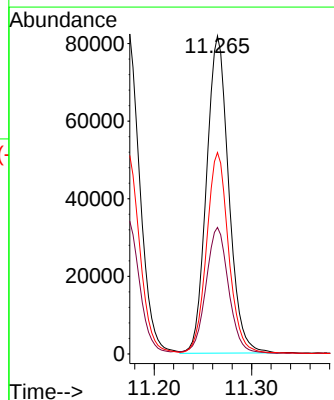
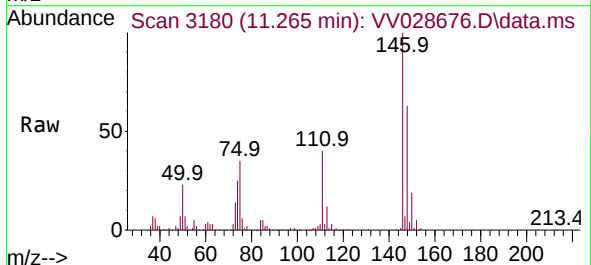
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

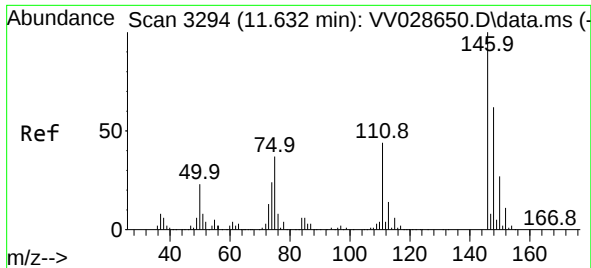
Tgt Ion:146 Resp: 132912
Ion Ratio Lower Upper
146 100
111 41.5 29.0 53.9
148 61.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.864 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VV028676.D
Acq: 21 Oct 2022 21:09

Tgt Ion:146 Resp: 129597
Ion Ratio Lower Upper
146 100
111 39.8 28.6 53.2
148 63.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 4.966 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

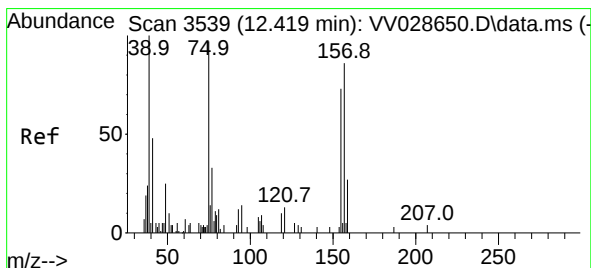
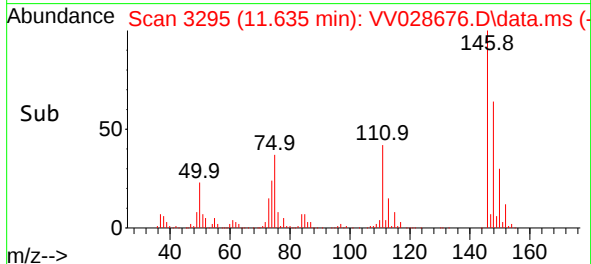
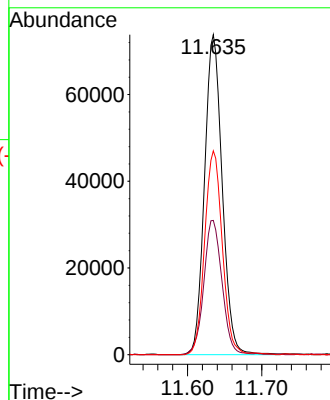
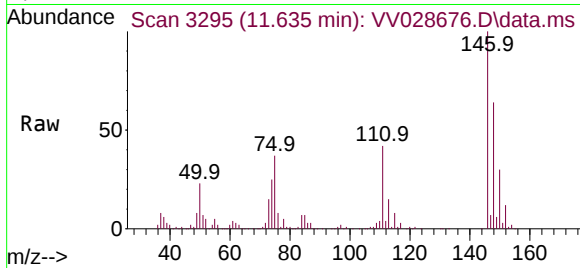
Tgt Ion:146 Resp: 121877

Ion Ratio Lower Upper

146 100

111 42.0 36.2 54.4

148 63.7 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.458 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

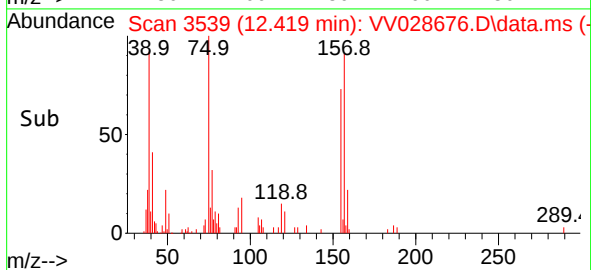
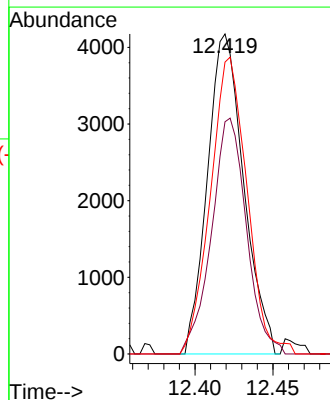
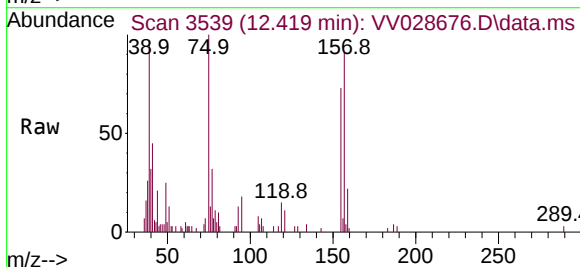
Tgt Ion: 75 Resp: 6755

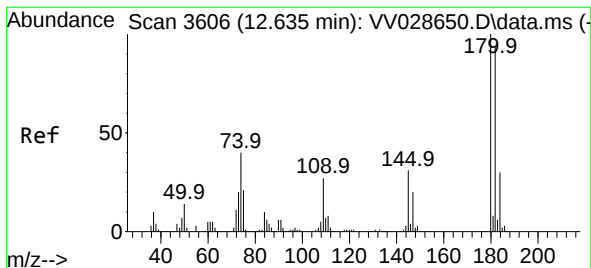
Ion Ratio Lower Upper

75 100

155 72.6 58.2 87.2

157 91.2 71.5 107.3





#69

1,3,5-Trichlorobenzene

Concen: 5.095 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

Tgt Ion:180 Resp: 95756

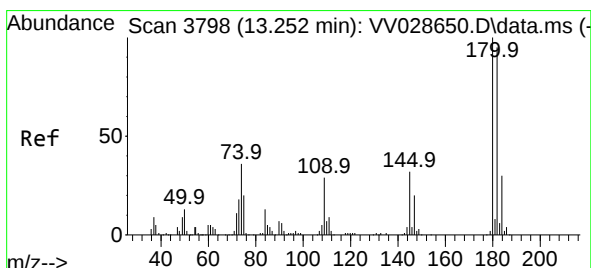
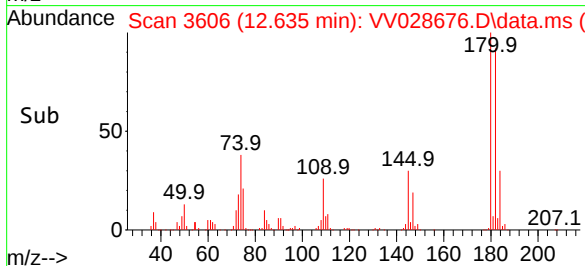
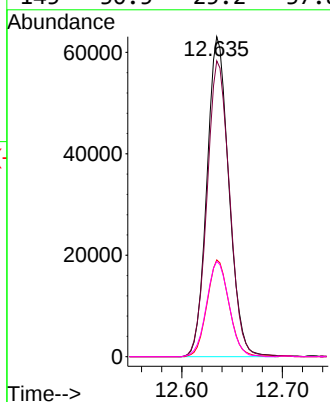
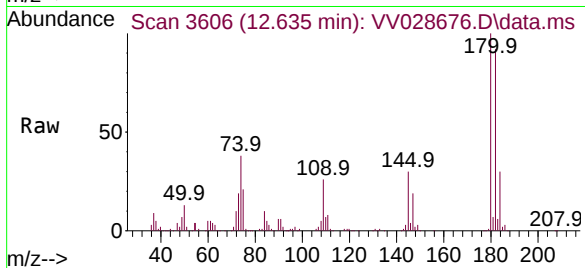
Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

184 30.3 24.3 36.5

145 30.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.949 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

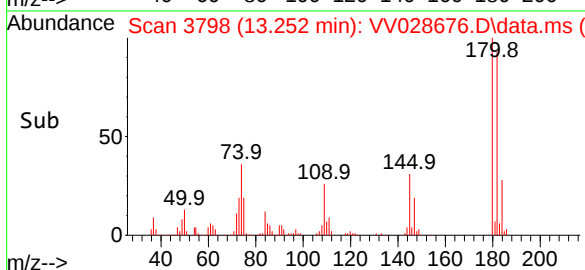
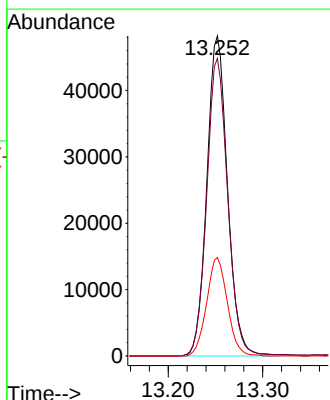
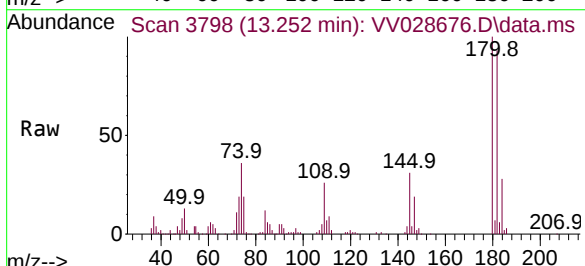
Tgt Ion:180 Resp: 73276

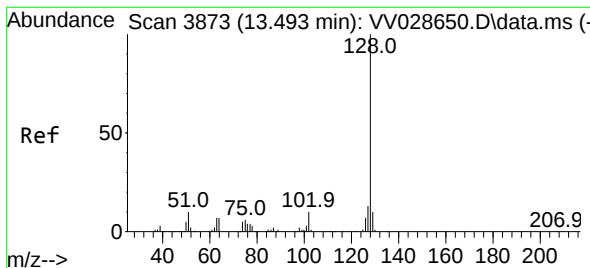
Ion Ratio Lower Upper

180 100

182 94.6 74.7 112.1

145 30.9 25.5 38.3





#71

Naphthalene

Concen: 4.361 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

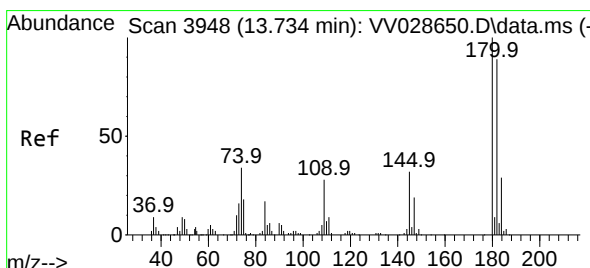
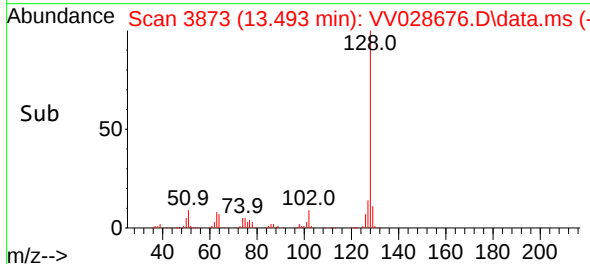
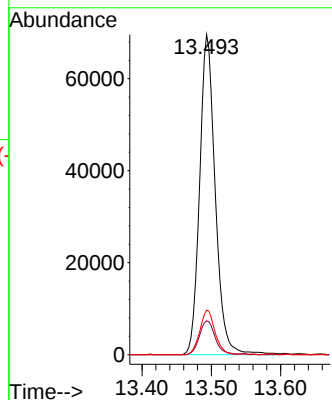
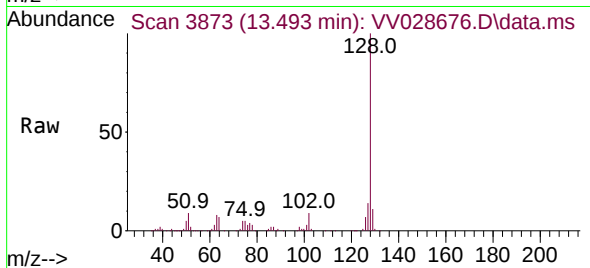
Tgt Ion:128 Resp: 109190

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.5 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.887 ug/L

RT: 13.734 min Scan# 3948

Delta R.T. -0.000 min

Lab File: VV028676.D

Acq: 21 Oct 2022 21:09

Tgt Ion:180 Resp: 63226

Ion Ratio Lower Upper

180 100

182 95.0 73.4 110.0

145 32.8 26.3 39.5

