

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092122\
 Data File : VW028030.D
 Acq On : 21 Sep 2022 21:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

Quant Time: Sep 22 03:26:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 03:03:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	361846	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	346933	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	186445	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	112256	35.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.680%
7) Chloroethane-d5	1.558	69	102528	40.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.102	63	230817	41.016	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.040%
21) 2-Butanone-d5	3.876	46	222950	118.029	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.030%
24) Chloroform-d	4.339	84	255836	47.970	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.940%
26) 1,2-Dichloroethane-d4	5.024	65	162292	46.956	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
32) Benzene-d6	5.044	84	469112	46.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.820%
36) 1,2-Dichloropropane-d6	6.063	67	146410	47.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.840%
41) Toluene-d8	7.310	98	422414	46.130	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.260%
43) trans-1,3-Dichloroprop...	7.619	79	71379	46.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.460%
47) 2-Hexanone-d5	8.085	63	175747	116.182	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.180%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	226902	49.925	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.840%
66) 1,2-Dichlorobenzene-d4	11.622	152	171565	47.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	124367	45.448	ug/L	98
3) Chloromethane	1.237	50	146456	45.819	ug/L	100
5) Vinyl chloride	1.304	62	155219	47.760	ug/L	100
6) Bromomethane	1.516	94	105744	49.841	ug/L	99
8) Chloroethane	1.577	64	103083	50.083	ug/L	96
9) Trichlorofluoromethane	1.745	101	236811	49.465	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	127759	48.644	ug/L	100
12) 1,1-Dichloroethene	2.108	96	127020	48.382	ug/L	86
13) Acetone	2.169	43	167700	99.619	ug/L	98
14) Carbon disulfide	2.285	76	333641	48.026	ug/L	100
15) Methyl Acetate	2.426	43	162682	55.945	ug/L	98
16) Methylene chloride	2.497	84	145748	47.349	ug/L	99
17) trans-1,2-Dichloroethene	2.751	96	125840	50.363	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	417108	53.178	ug/L	99
19) 1,1-Dichloroethane	3.182	63	261484	54.172	ug/L	99
22) 2-Butanone	3.963	43	230151	114.848	ug/L	99
23) Bromochloromethane	4.240	128	75796	50.396	ug/L	97
25) Chloroform	4.368	83	269391	52.276	ug/L	100
27) 1,2-Dichloroethane	5.124	62	208527	52.176	ug/L	99

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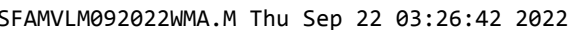
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 ClientSampleId :
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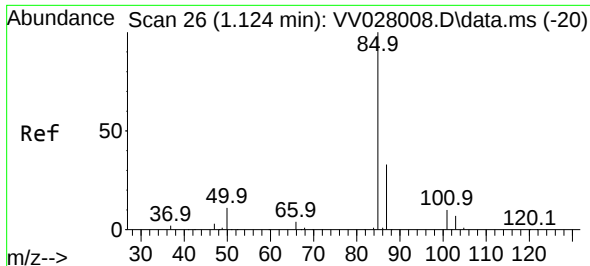
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 03:03:58 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.667	56	202775	53.541	ug/L	100
30) 1,1,1-Trichloroethane	4.600	97	235429	55.125	ug/L	99
31) Carbon tetrachloride	4.818	117	196544	51.820	ug/L	99
33) Benzene	5.092	78	571792	55.243	ug/L	100
34) Trichloroethene	5.908	95	132500	51.659	ug/L	99
35) Methylcyclohexane	6.124	83	200438	48.418	ug/L	97
37) 1,2-Dichloropropane	6.169	63	145406	53.553	ug/L	98
38) Bromodichloromethane	6.503	83	191222	50.438	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	210725	51.251	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	471050	121.640	ug/L	100
42) Toluene	7.381	91	596354	54.370	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	206879	50.437	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	147181	53.733	ug/L	97
46) Tetrachloroethene	7.969	164	105533	49.454	ug/L	99
48) 2-Hexanone	8.137	43	380210	121.019	ug/L	99
49) Dibromochloromethane	8.243	129	158179	52.311	ug/L	96
50) 1,2-Dibromoethane	8.349	107	152090	54.143	ug/L	98
51) Chlorobenzene	8.879	112	373960	51.072	ug/L	99
52) Ethylbenzene	9.008	91	613585	51.818	ug/L	98
53) m,p-Xylene	9.137	106	241146	53.115	ug/L	99
54) o-Xylene	9.542	106	231390	52.822	ug/L	97
55) Styrene	9.558	104	411580	52.949	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.236	83	231697	50.432	ug/L	99
59) Bromoform	9.728	173	116475	53.985	ug/L	98
60) Isopropylbenzene	9.928	105	594180	53.885	ug/L	98
61) 1,2,3-Trichloropropane	10.268	75	192168	54.908	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	512008	54.298	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	516635	54.939	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	288214	51.282	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	296428	51.480	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	301221	52.745	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	58310	54.219	ug/L	98
69) 1,3,5-Trichlorobenzene	12.641	180	210680	47.804	ug/L	97
70) 1,2,4-trichlorobenzene	13.259	180	185681	47.014	ug/L	99
71) Naphthalene	13.500	128	654731	51.637	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	202645	49.679	ug/L	100

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

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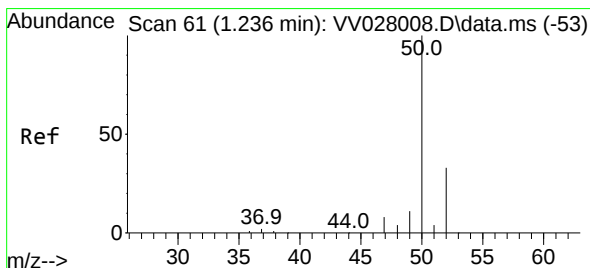
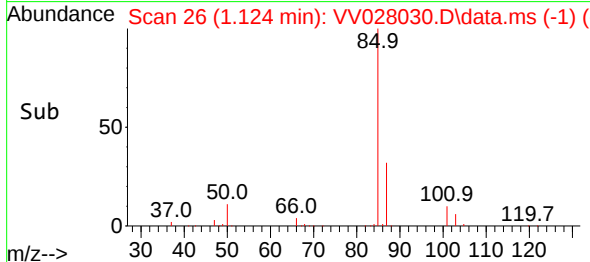
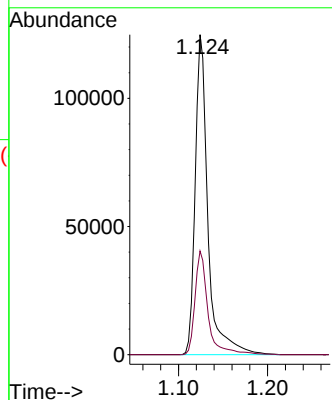
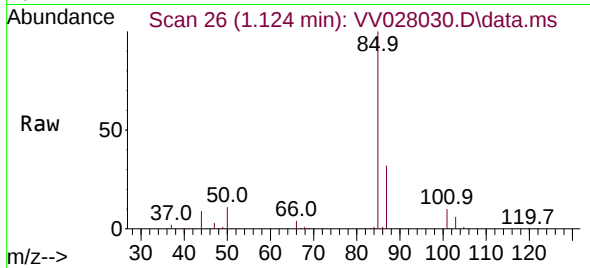




#2
Dichlorodifluoromethane
Concen: 45.448 ug/L
RT: 1.124 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

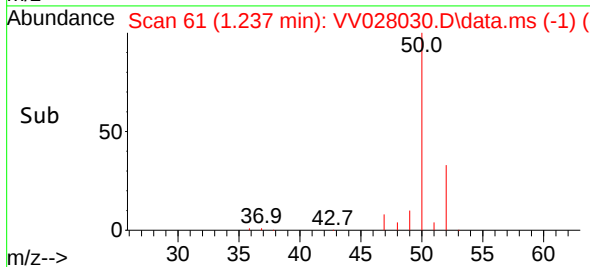
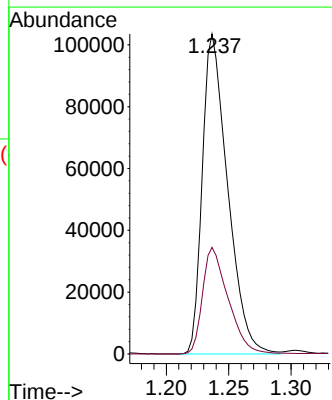
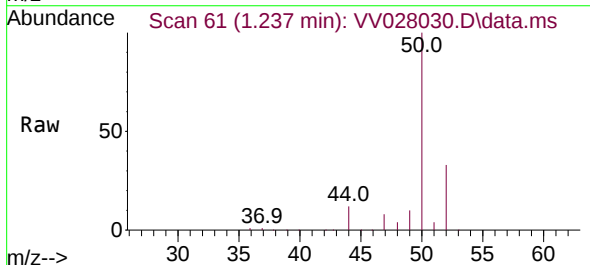
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

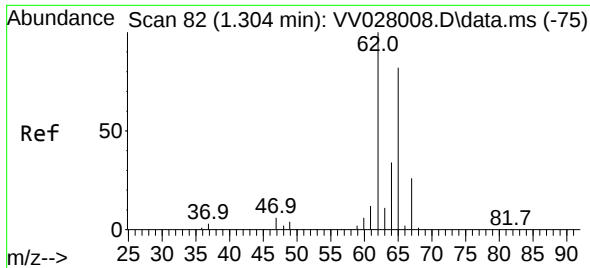
Tgt Ion: 85 Resp: 124367
Ion Ratio Lower Upper
85 100
87 33.3 25.8 38.8



#3
Chloromethane
Concen: 45.819 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 50 Resp: 146456
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.0

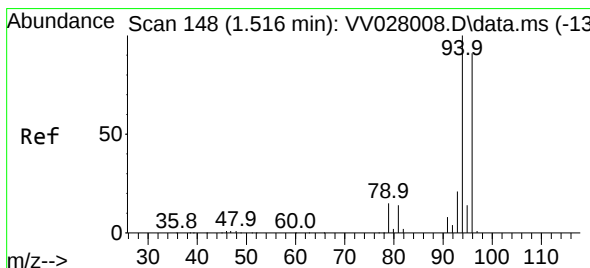
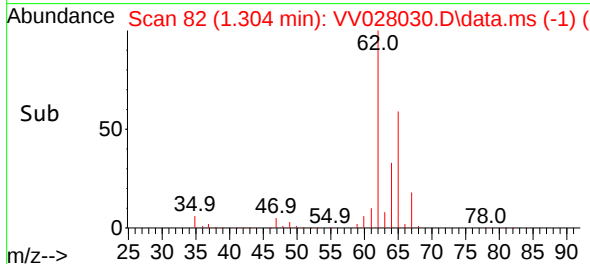
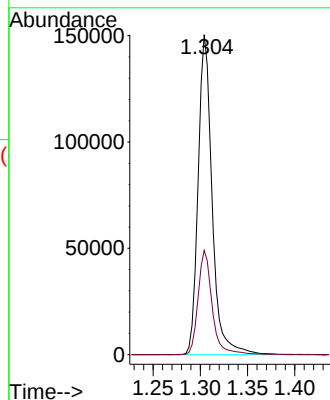
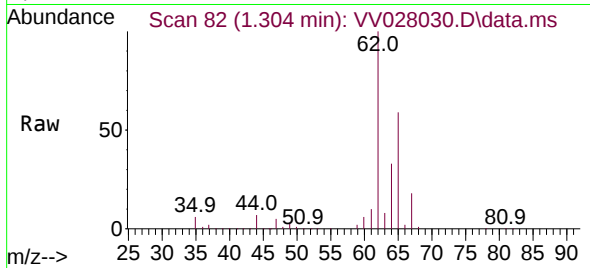




#5
 Vinyl chloride
 Concen: 47.760 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028030.D
 Acq: 21 Sep 2022 21:18

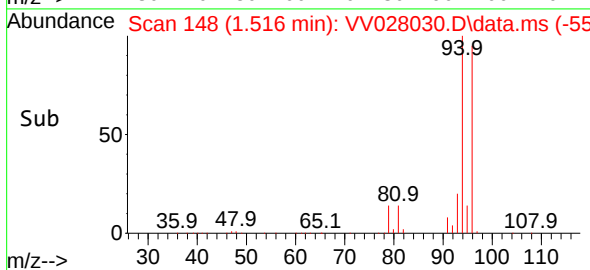
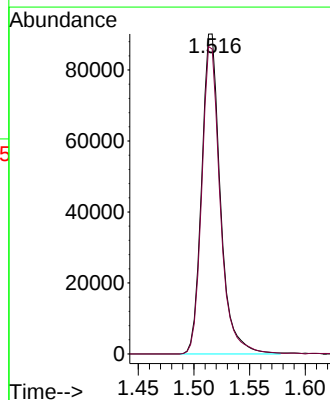
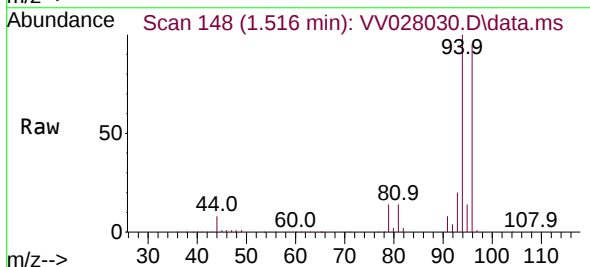
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 ClientSampleId :
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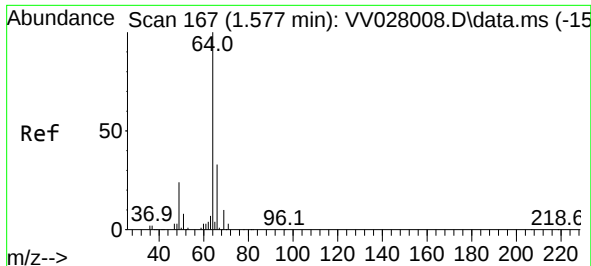
Tgt Ion: 62 Resp: 155219
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.3



#6
 Bromomethane
 Concen: 49.841 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VV028030.D
 Acq: 21 Sep 2022 21:18

Tgt Ion: 94 Resp: 105744
 Ion Ratio Lower Upper
 94 100
 96 95.3 66.4 123.2

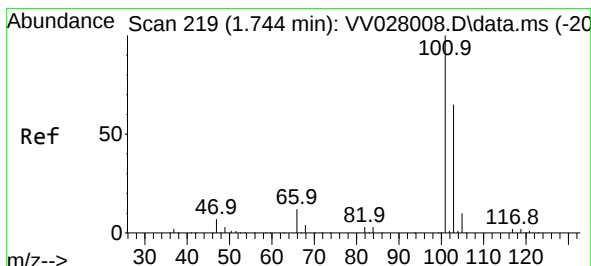
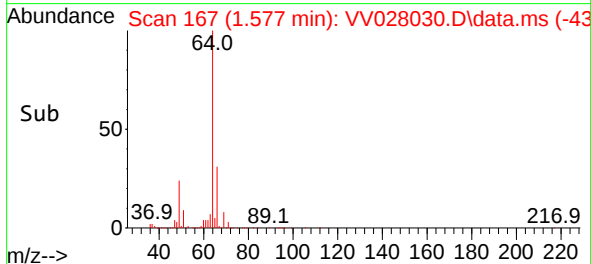
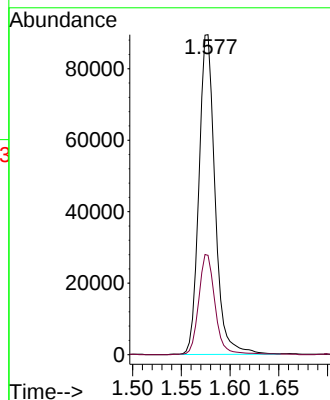
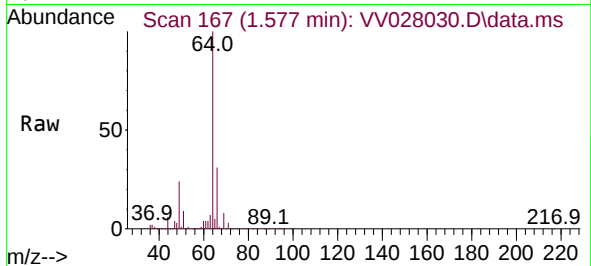




#8
Chloroethane
Concen: 50.083 ug/L
RT: 1.577 min Scan# 167
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

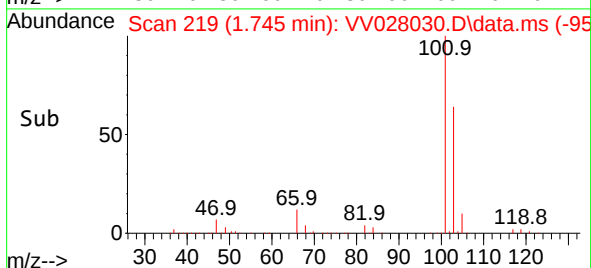
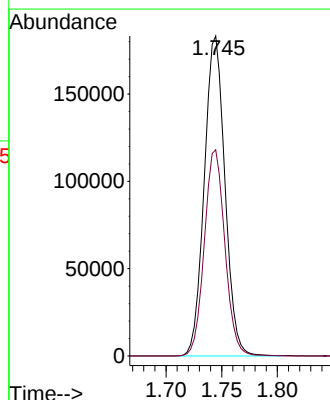
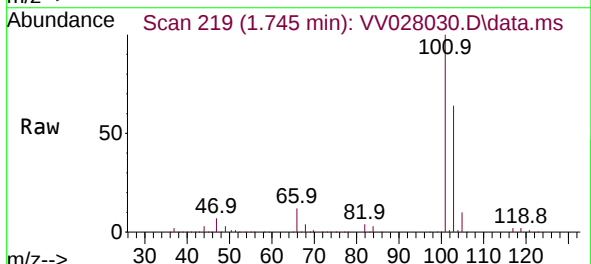
Instrument :
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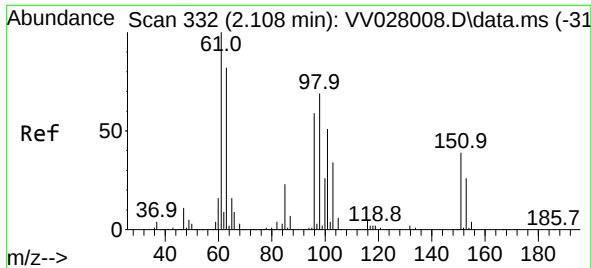
Tgt Ion: 64 Resp: 103083
Ion Ratio Lower Upper
64 100
66 31.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 49.465 ug/L
RT: 1.745 min Scan# 219
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion:101 Resp: 236811
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

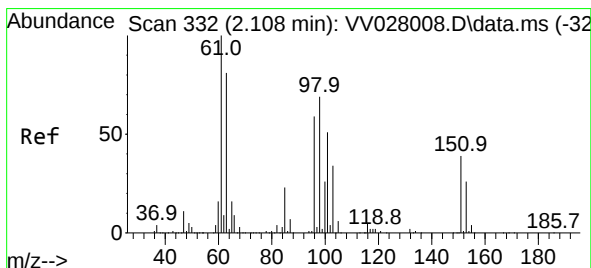
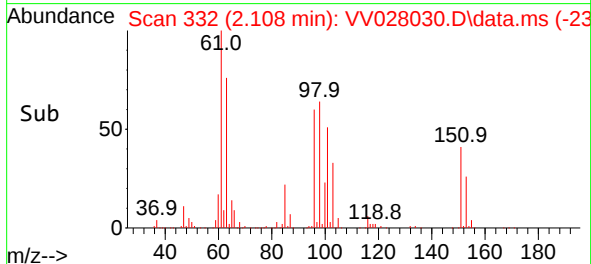
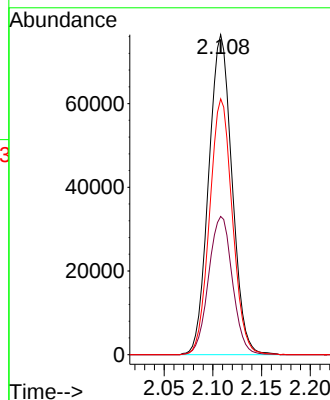
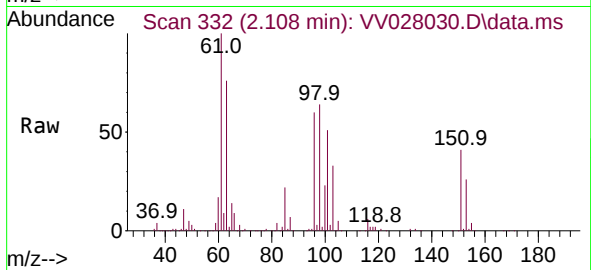




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.644 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. 0.000 min
 Lab File: VV028030.D
 Acq: 21 Sep 2022 21:18

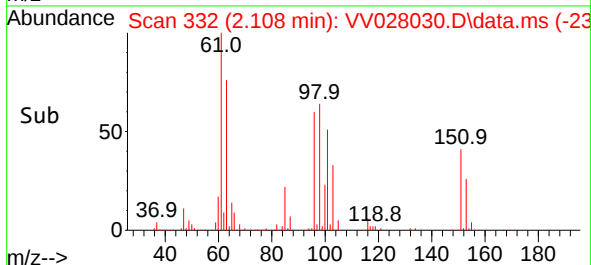
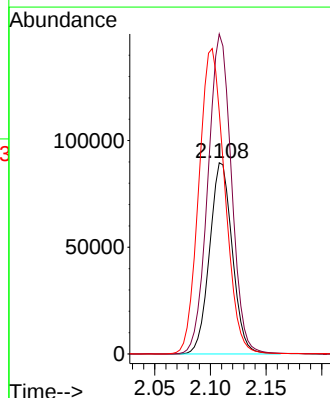
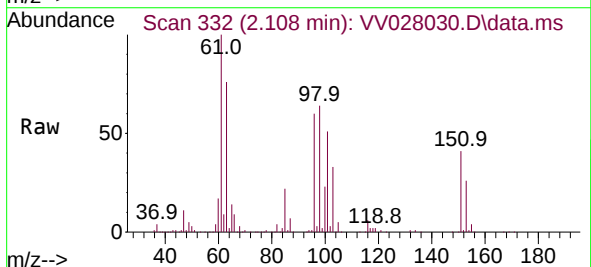
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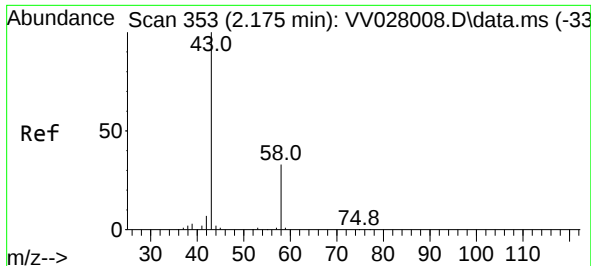
Tgt Ion:101 Resp: 127759
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.6 53.4
 151 77.9 62.2 93.4



#12
 1,1-Dichloroethene
 Concen: 48.382 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. 0.000 min
 Lab File: VV028030.D
 Acq: 21 Sep 2022 21:18

Tgt Ion: 96 Resp: 127020
 Ion Ratio Lower Upper
 96 100
 61 167.4 123.7 229.7
 63 126.7 108.6 201.6





#13

Acetone

Concen: 99.619 ug/L

RT: 2.169 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

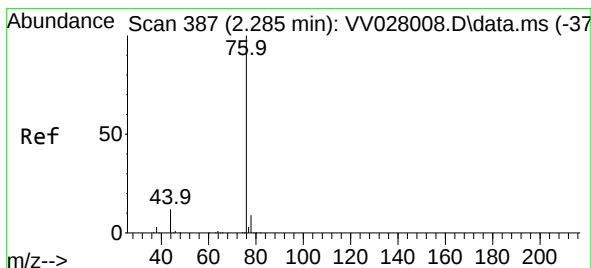
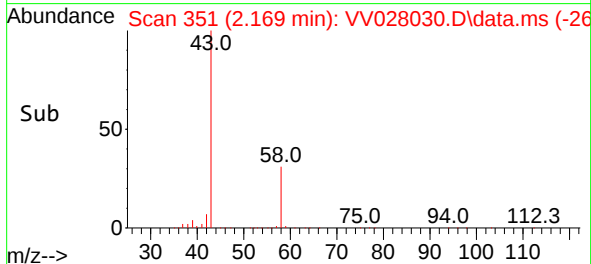
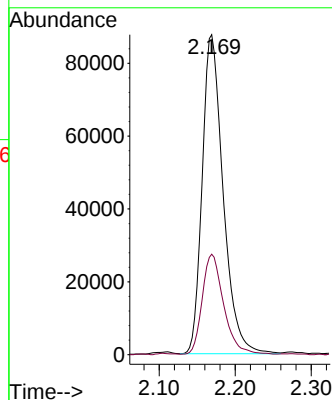
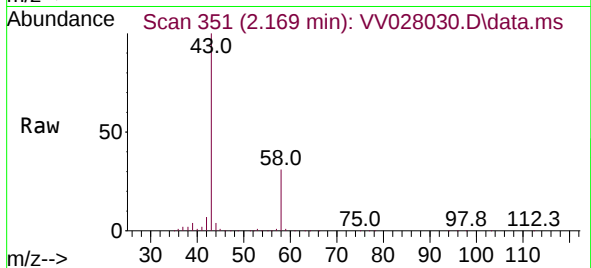
VSTD050346

Tgt Ion: 43 Resp: 167700

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.2



#14

Carbon disulfide

Concen: 48.026 ug/L

RT: 2.285 min Scan# 387

Delta R.T. 0.000 min

Lab File: VV028030.D

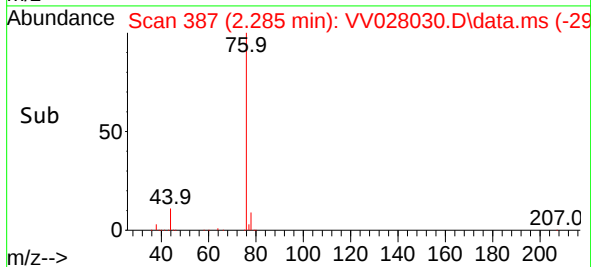
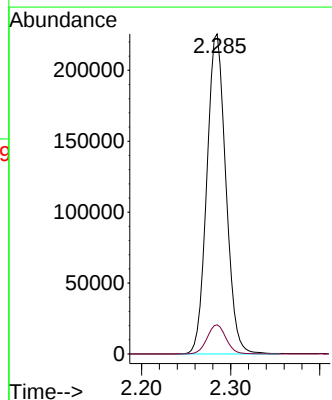
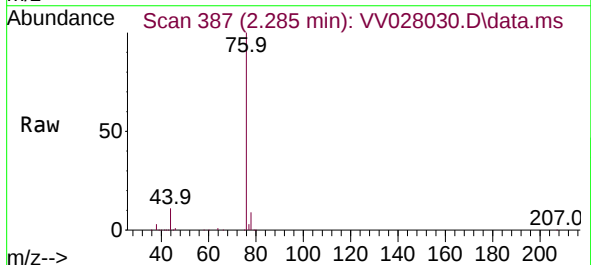
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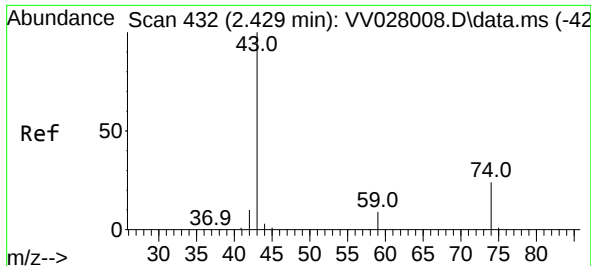
Tgt Ion: 76 Resp: 333641

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

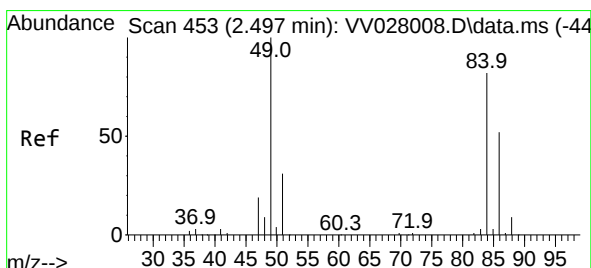
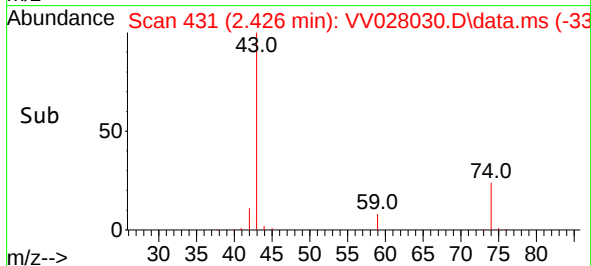
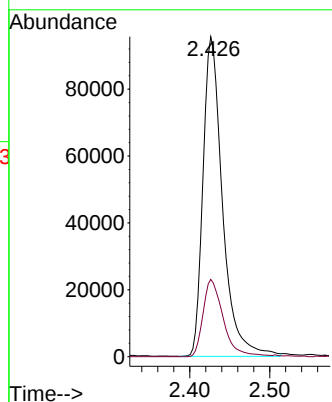
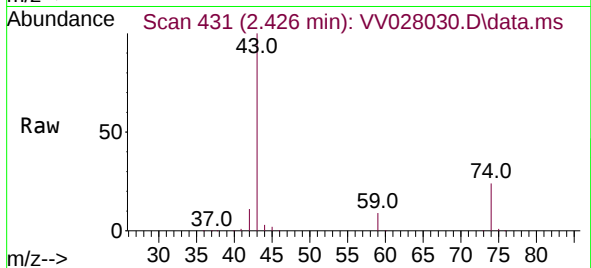




#15
Methyl Acetate
Concen: 55.945 ug/L
RT: 2.426 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

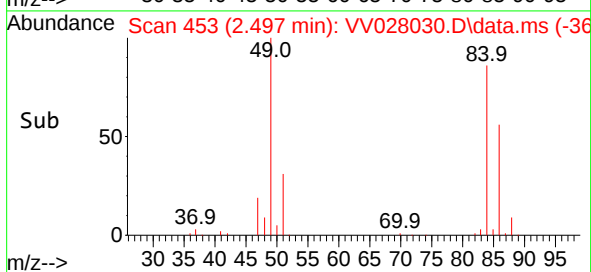
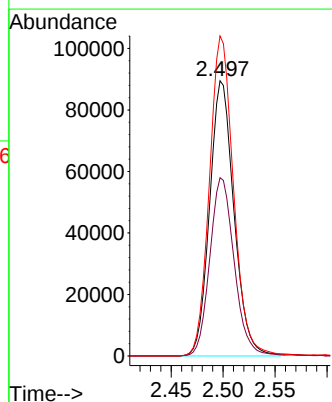
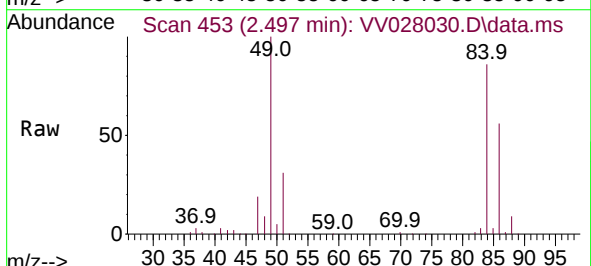
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

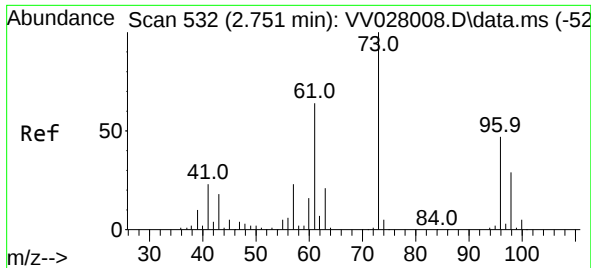
Tgt Ion: 43 Resp: 162682
Ion Ratio Lower Upper
43 100
74 25.0 20.9 31.3



#16
Methylene chloride
Concen: 47.349 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 84 Resp: 145748
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 116.2 80.8 150.0

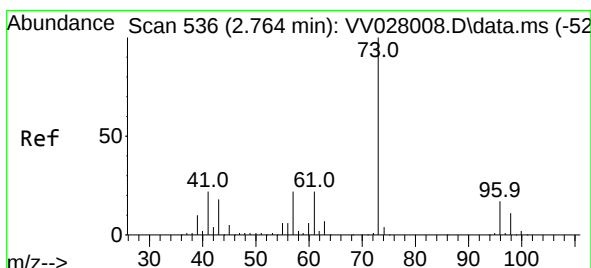
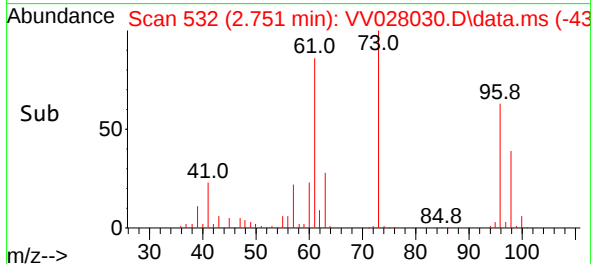
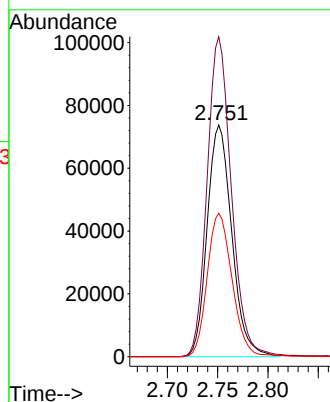
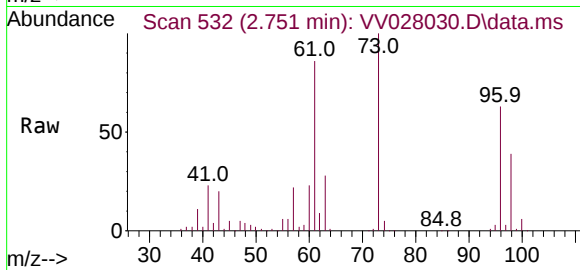




#17
trans-1,2-Dichloroethene
Concen: 50.363 ug/L
RT: 2.751 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

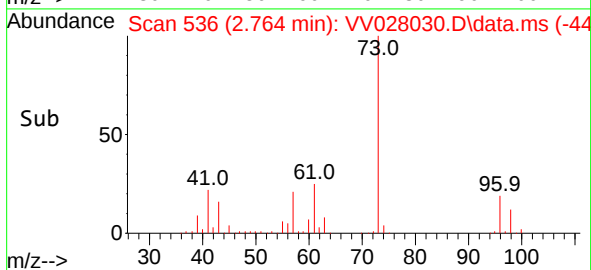
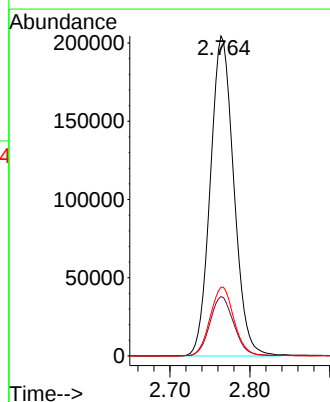
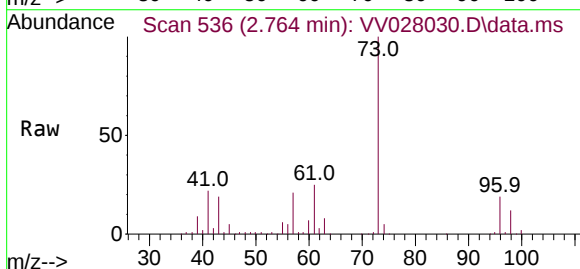
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

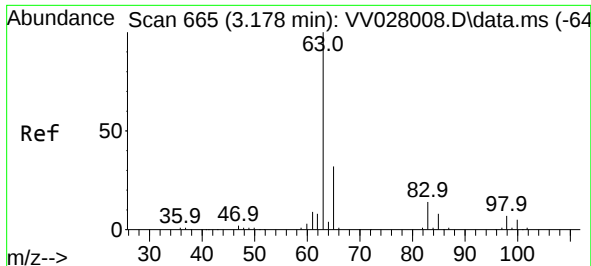
Tgt Ion: 96 Resp: 125840
Ion Ratio Lower Upper
96 100
61 138.1 92.3 171.5
98 61.9 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 53.178 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 73 Resp: 417108
Ion Ratio Lower Upper
73 100
43 18.8 14.5 21.7
57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 54.172 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

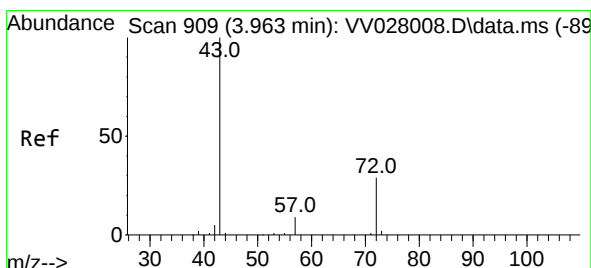
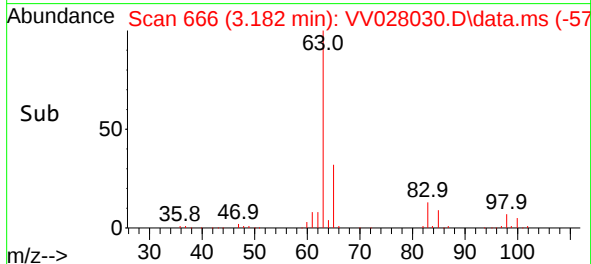
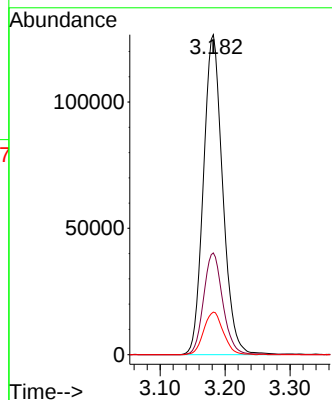
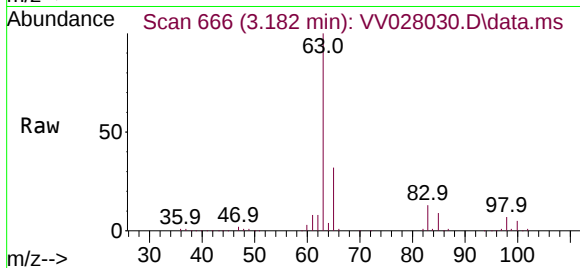
Tgt Ion: 63 Resp: 261484

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

83 13.3 9.6 17.8



#22

2-Butanone

Concen: 114.848 ug/L

RT: 3.963 min Scan# 909

Delta R.T. 0.000 min

Lab File: VV028030.D

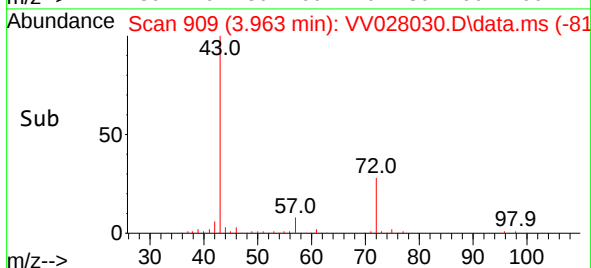
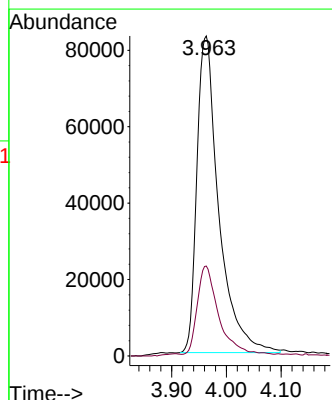
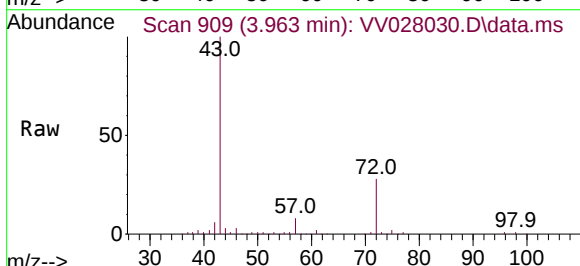
Acq: 21 Sep 2022 21:18

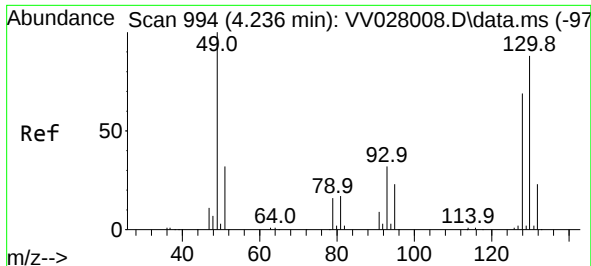
Tgt Ion: 43 Resp: 230151

Ion Ratio Lower Upper

43 100

72 26.6 13.5 40.4

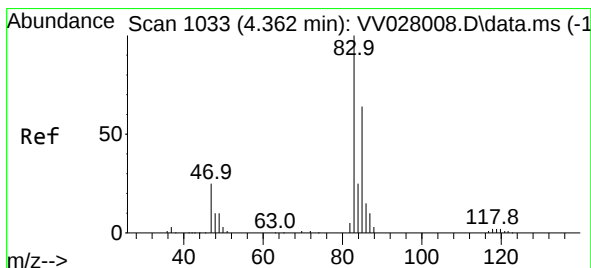
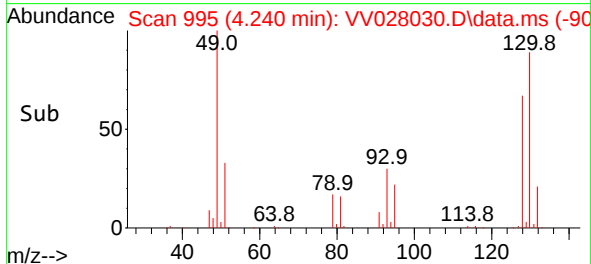
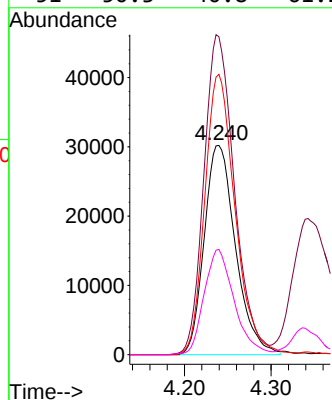
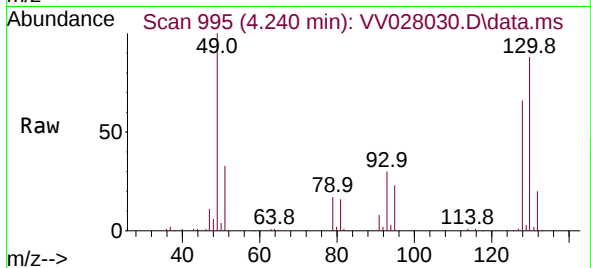




#23
Bromochloromethane
Concen: 50.396 ug/L
RT: 4.240 min Scan# 994
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

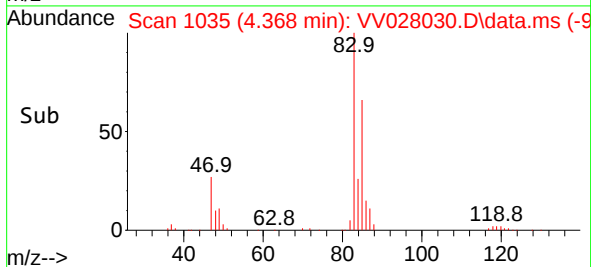
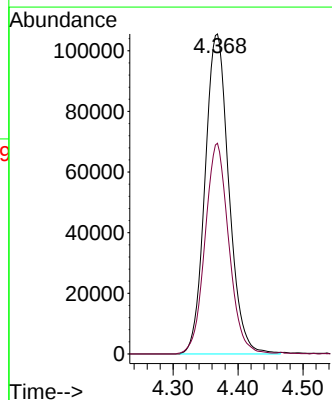
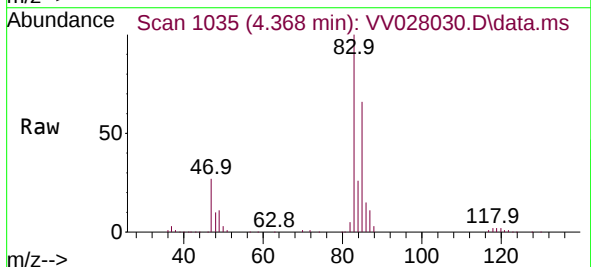
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

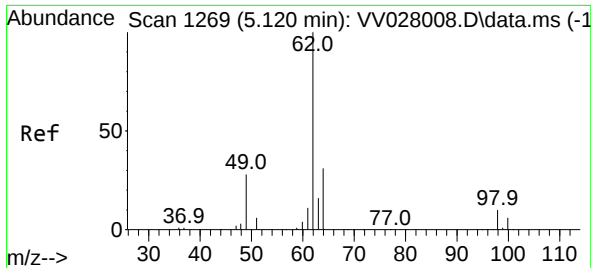
Tgt Ion:128 Resp: 75796
Ion Ratio Lower Upper
128 100
49 151.9 107.0 198.6
130 133.9 88.3 164.1
51 50.3 40.8 61.2



#25
Chloroform
Concen: 52.276 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.007 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 83 Resp: 269391
Ion Ratio Lower Upper
83 100
85 65.9 46.3 85.9





#27

1,2-Dichloroethane

Concen: 52.176 ug/L

RT: 5.124 min Scan# 1127

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

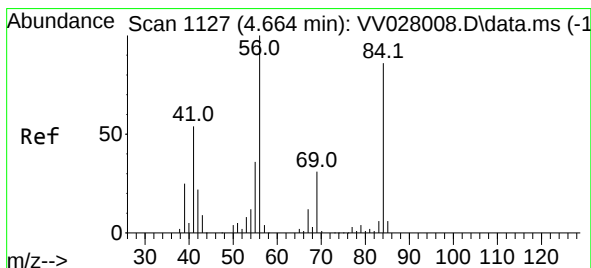
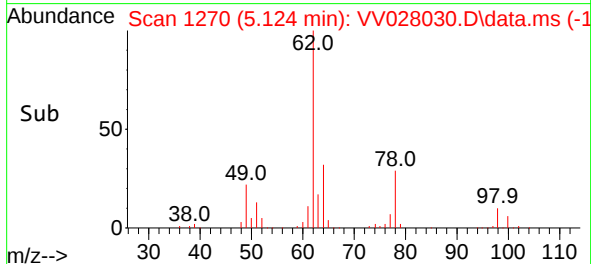
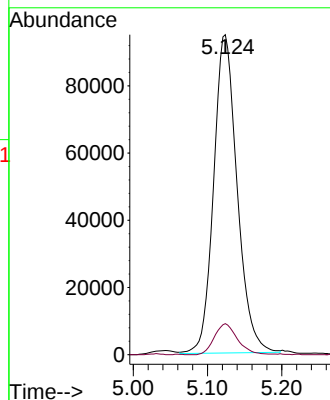
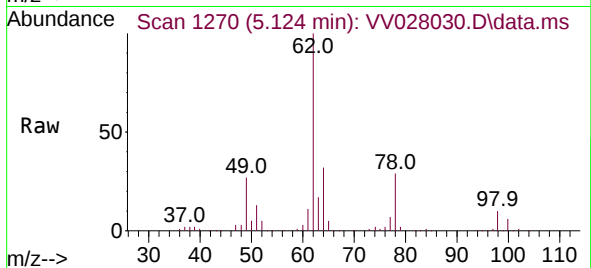
VSTD050346

Tgt Ion: 62 Resp: 208527

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4



#29

Cyclohexane

Concen: 53.541 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

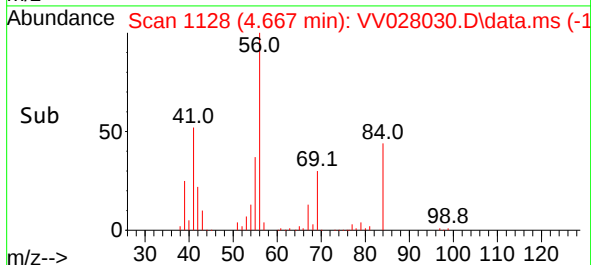
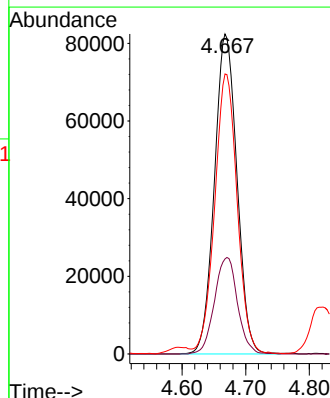
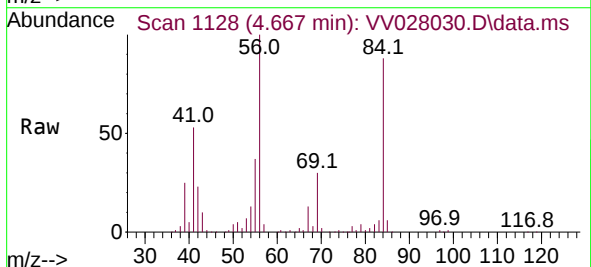
Tgt Ion: 56 Resp: 202775

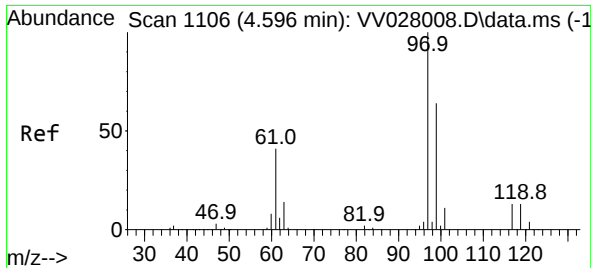
Ion Ratio Lower Upper

56 100

69 30.8 24.6 36.8

84 86.6 69.0 103.6





#30

1,1,1-Trichloroethane

Concen: 55.125 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

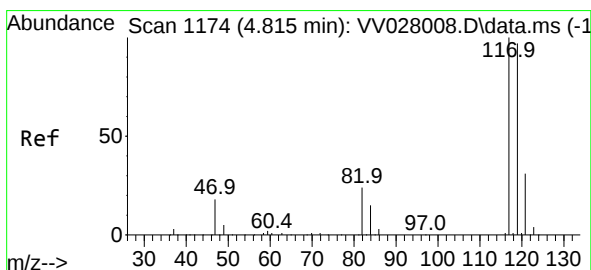
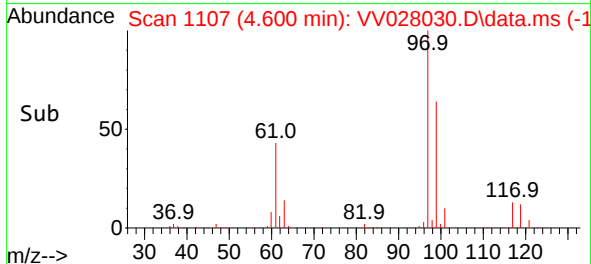
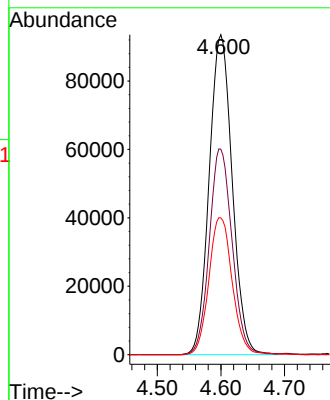
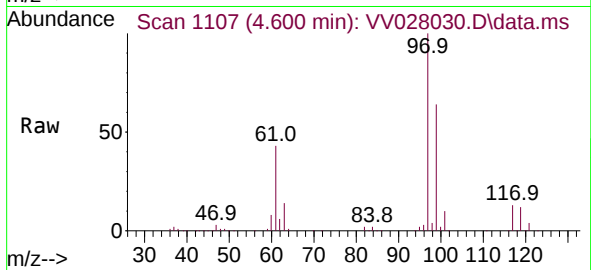
Tgt Ion: 97 Resp: 235429

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

61 43.1 35.2 52.8



#31

Carbon tetrachloride

Concen: 51.820 ug/L

RT: 4.818 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VV028030.D

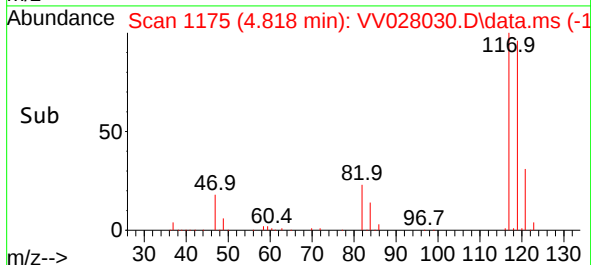
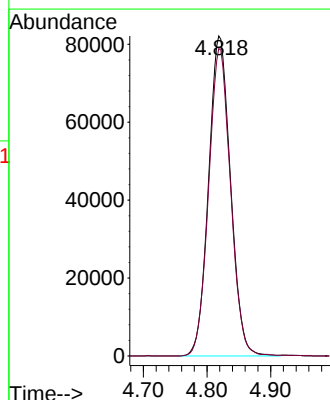
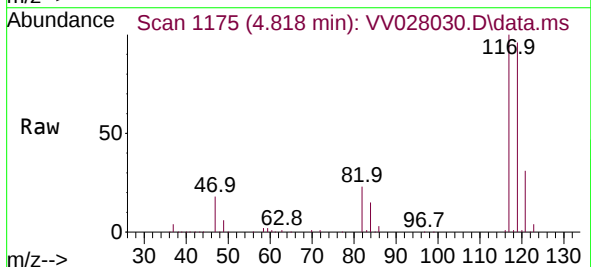
Acq: 21 Sep 2022 21:18

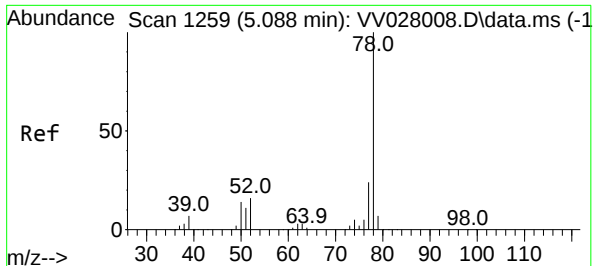
Tgt Ion: 117 Resp: 196544

Ion Ratio Lower Upper

117 100

119 95.8 75.6 113.4

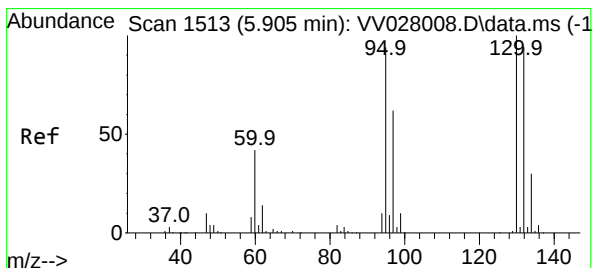
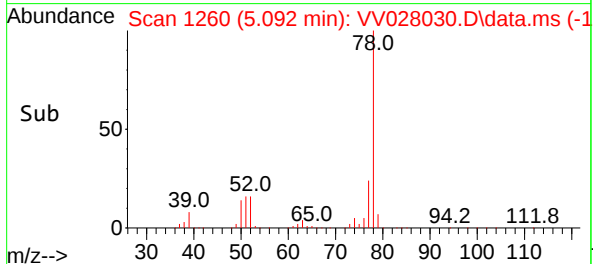
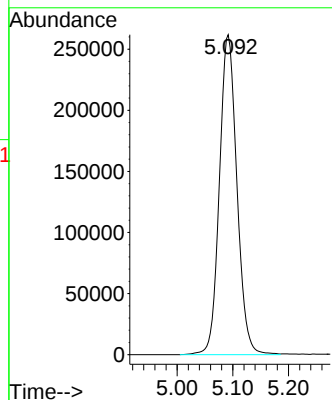
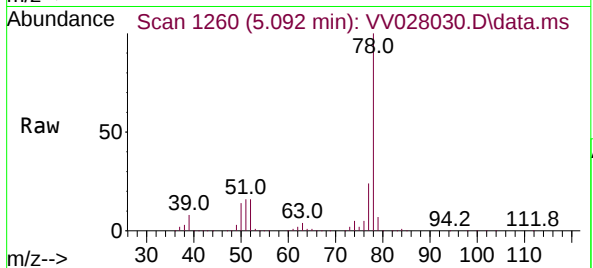




#33
Benzene
Concen: 55.243 ug/L
RT: 5.092 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

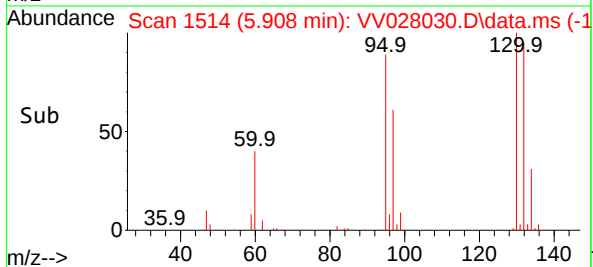
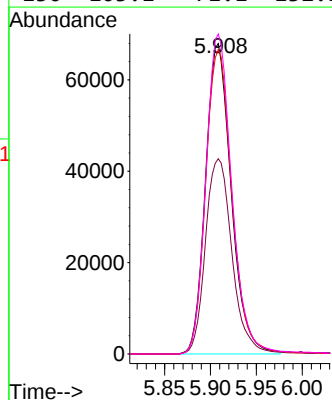
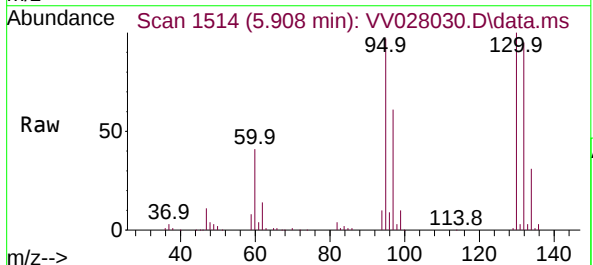
Tgt Ion: 78 Resp: 571792

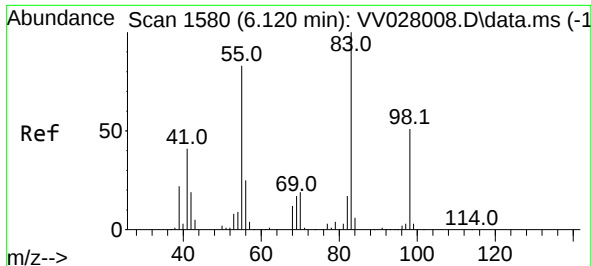


#34
Trichloroethene
Concen: 51.659 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 95 Resp: 132500

Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.4	84.2
132	98.1	69.2	128.6
130	103.1	71.1	132.1

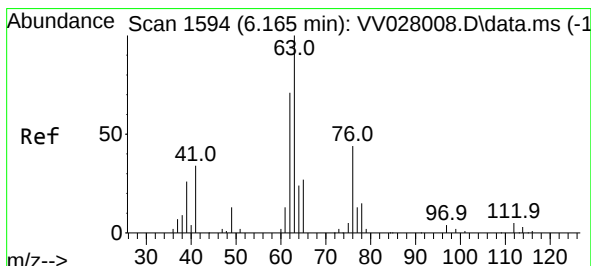
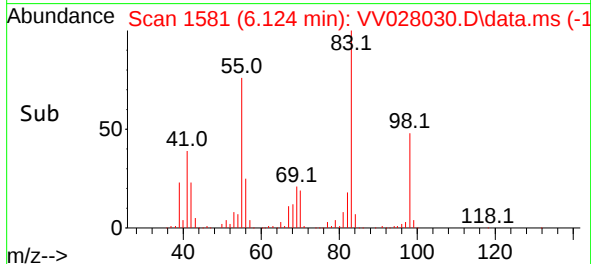
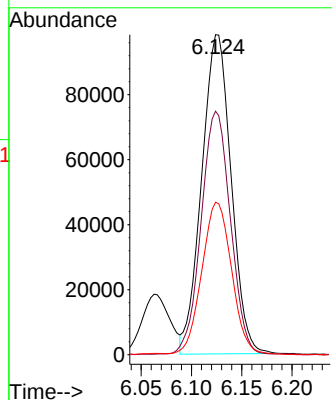
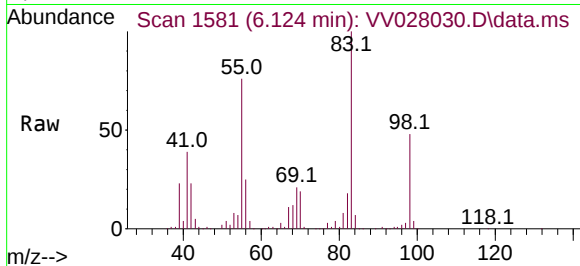




#35
Methylcyclohexane
Concen: 48.418 ug/L
RT: 6.124 min Scan# 1580
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

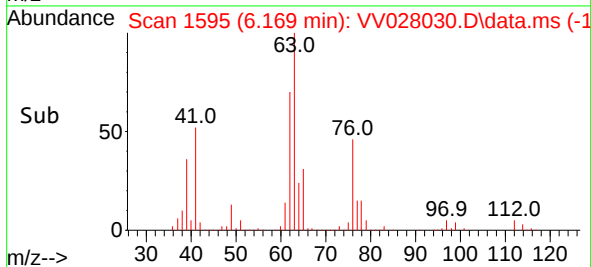
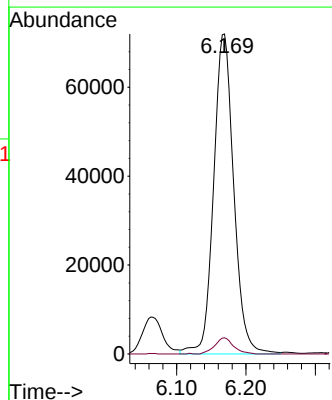
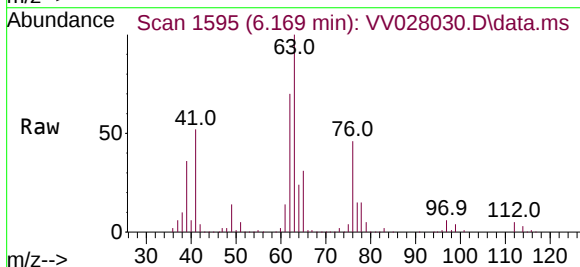
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

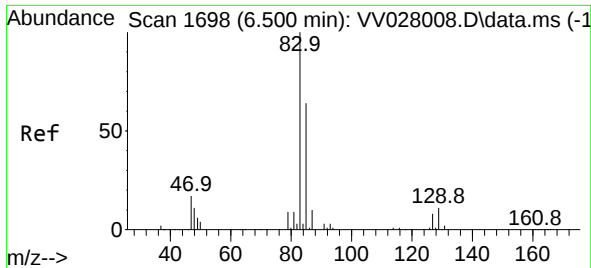
Tgt Ion: 83 Resp: 200438
Ion Ratio Lower Upper
83 100
55 75.6 63.0 94.4
98 48.5 39.5 59.3



#37
1,2-Dichloropropane
Concen: 53.553 ug/L
RT: 6.169 min Scan# 1595
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 63 Resp: 145406
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.0

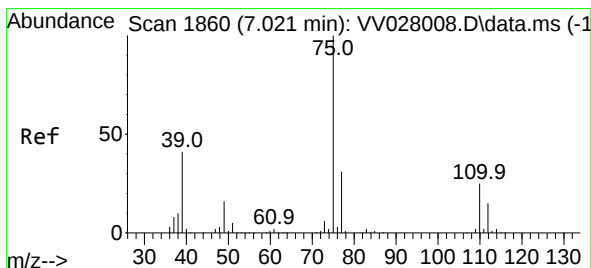
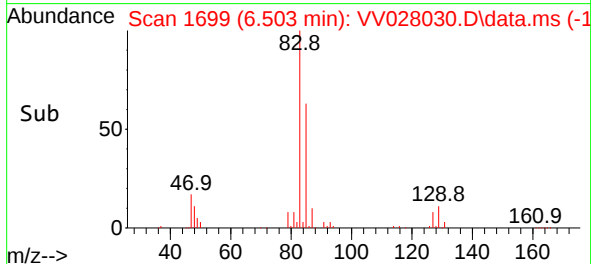
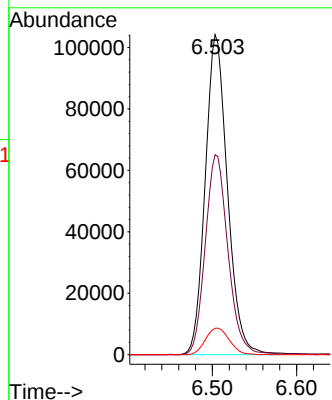
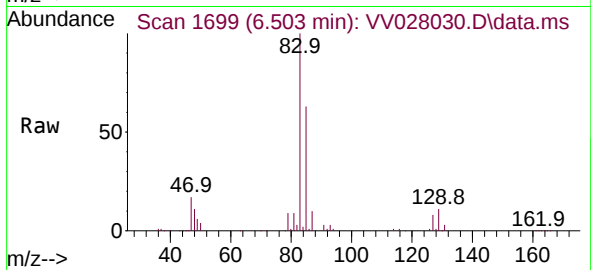




#38
Bromodichloromethane
Concen: 50.438 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

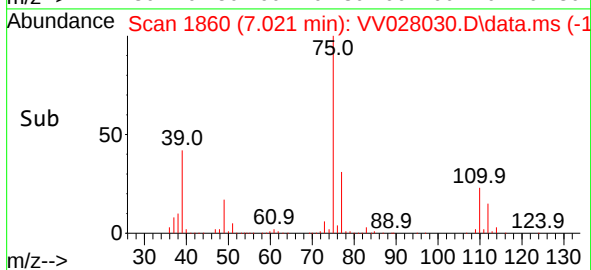
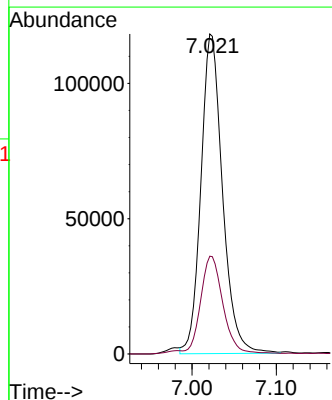
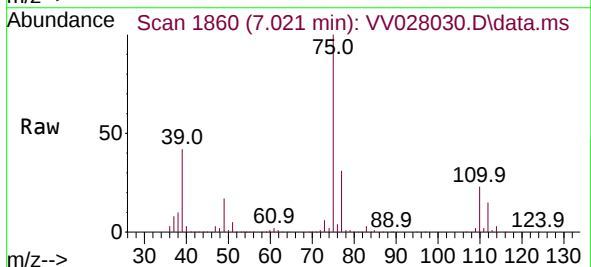
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

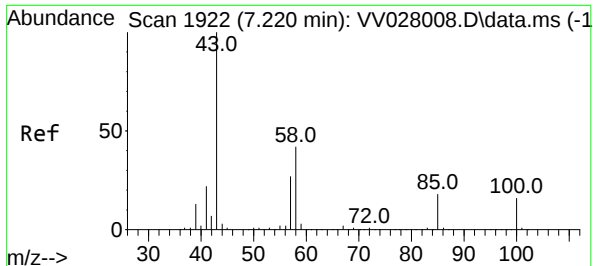
Tgt Ion: 83 Resp: 191222
Ion Ratio Lower Upper
83 100
85 62.5 44.2 82.0
127 8.2 6.8 10.2



#39
cis-1,3-Dichloropropene
Concen: 51.251 ug/L
RT: 7.021 min Scan# 1860
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 75 Resp: 210725
Ion Ratio Lower Upper
75 100
77 30.5 22.6 42.0





#40

4-Methyl-2-pentanone

Concen: 121.640 ug/L

RT: 7.223 min Scan# 1922

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

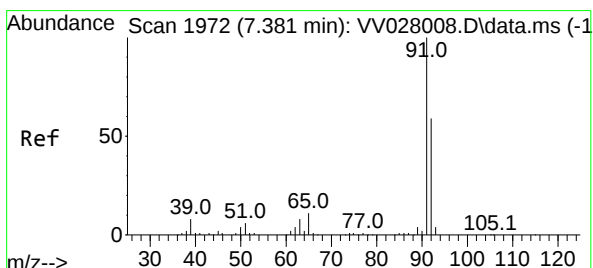
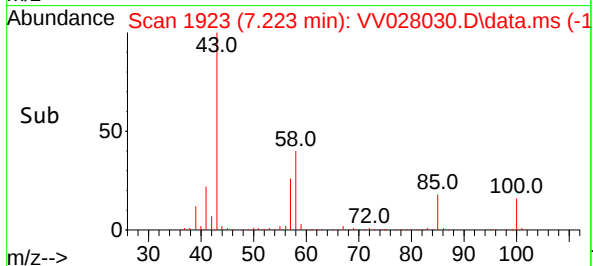
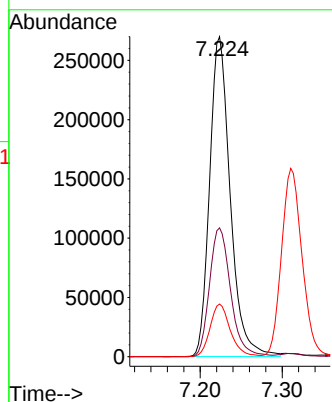
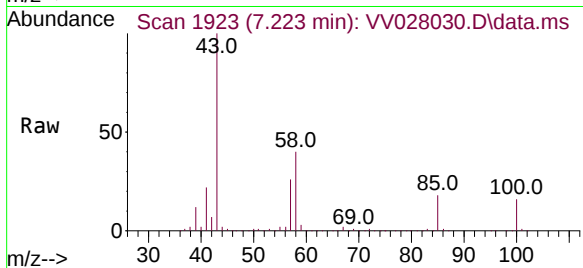
Tgt Ion: 43 Resp: 471050

Ion Ratio Lower Upper

43 100

58 41.4 33.0 49.4

100 16.3 13.3 19.9



#42

Toluene

Concen: 54.370 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028030.D

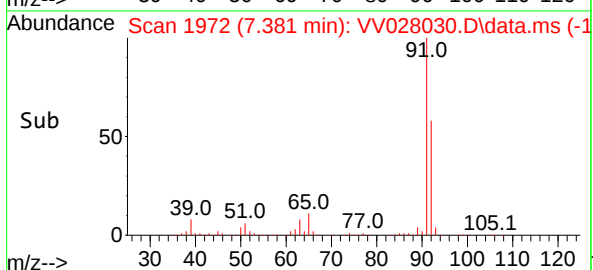
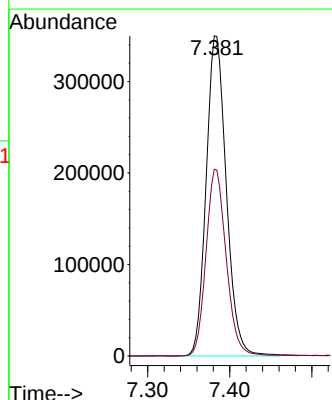
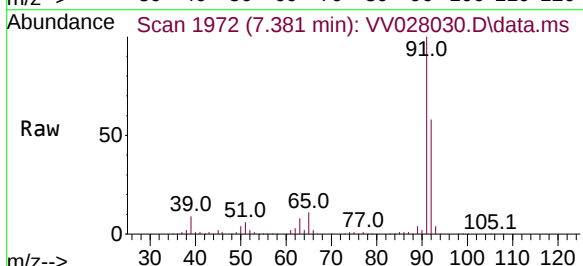
Acq: 21 Sep 2022 21:18

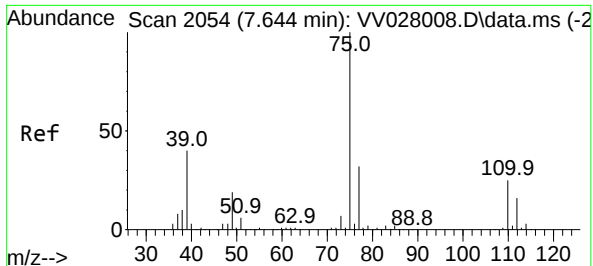
Tgt Ion: 91 Resp: 596354

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.4

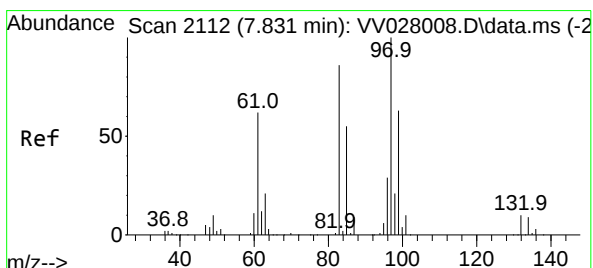
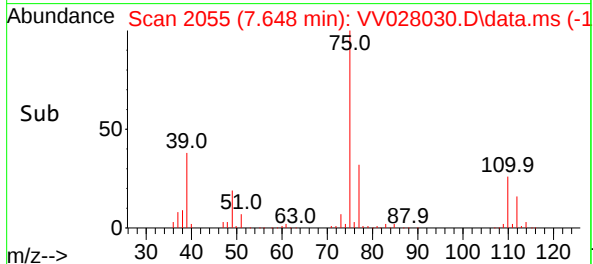
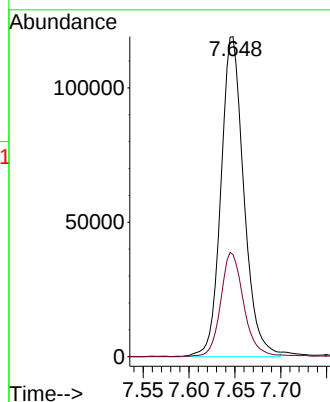
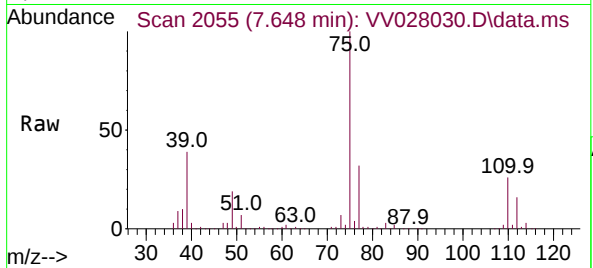




#44
trans-1,3-Dichloropropene
Concen: 50.437 ug/L
RT: 7.648 min Scan# 2054
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

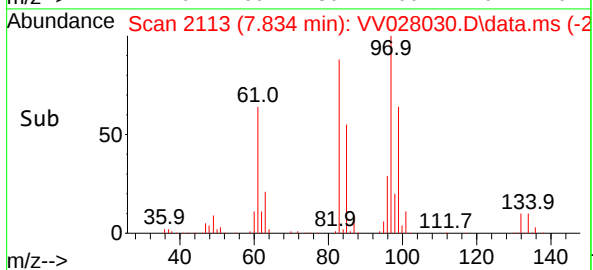
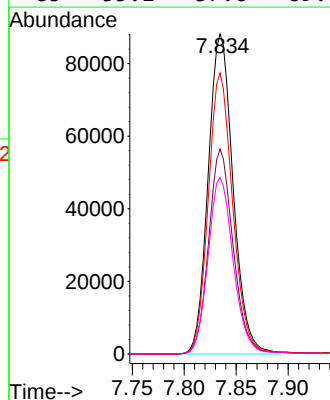
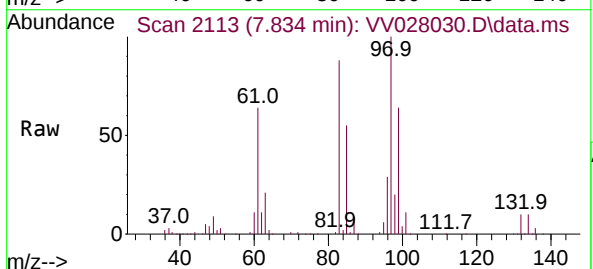
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

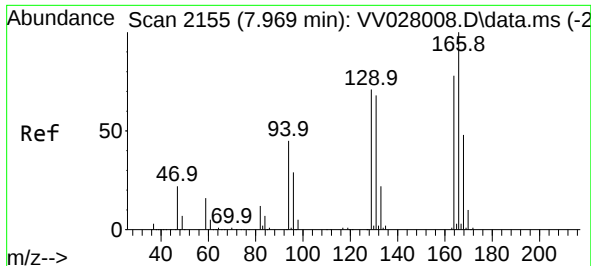
Tgt Ion: 75 Resp: 206879
Ion Ratio Lower Upper
75 100
77 31.9 21.4 39.8



#45
1,1,2-Trichloroethane
Concen: 53.733 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 97 Resp: 147181
Ion Ratio Lower Upper
97 100
99 64.0 43.8 81.3
83 87.8 58.7 109.1
85 55.1 37.6 69.8

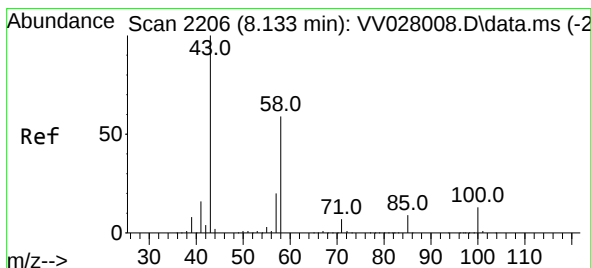
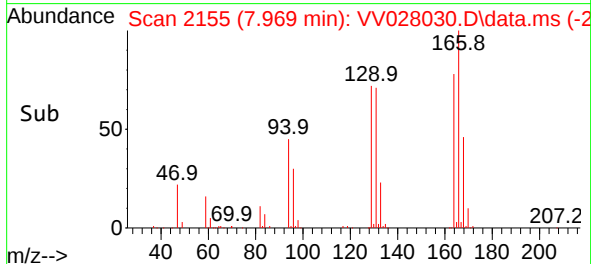
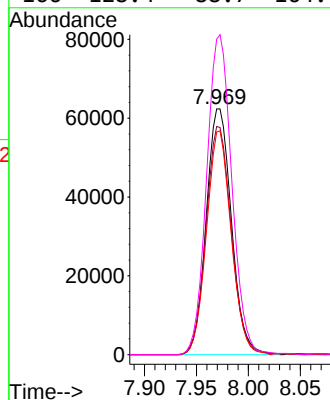
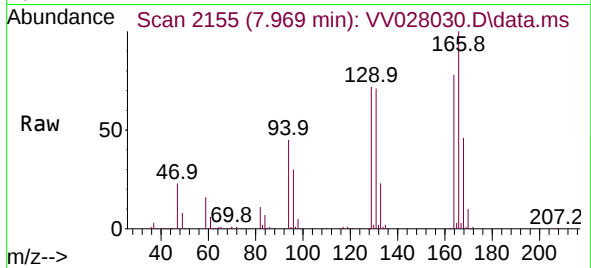




#46
Tetrachloroethene
Concen: 49.454 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

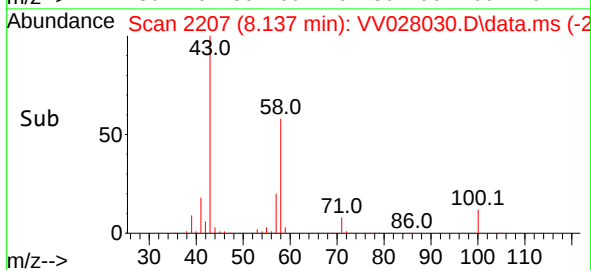
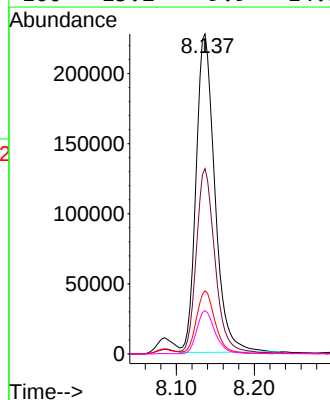
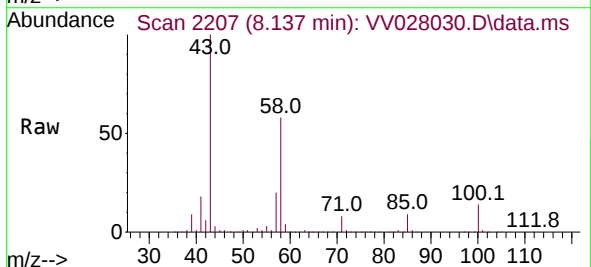
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

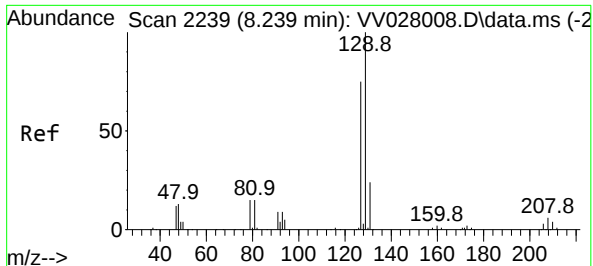
Tgt Ion:	164	Resp:	105533
Ion	Ratio	Lower	Upper
164	100		
129	92.8	64.3	119.3
131	90.6	62.6	116.2
166	128.4	88.7	164.7



#48
2-Hexanone
Concen: 121.019 ug/L
RT: 8.137 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion:	43	Resp:	380210
Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.6	68.4
57	19.5	15.0	22.6
100	13.2	9.9	14.9





#49

Dibromochloromethane

Concen: 52.311 ug/L

RT: 8.243 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

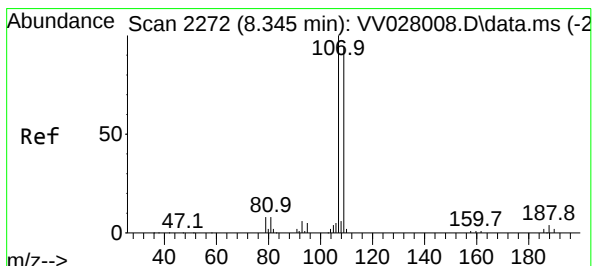
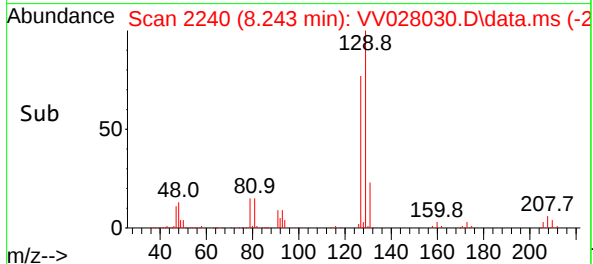
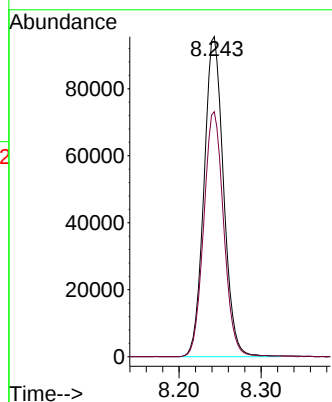
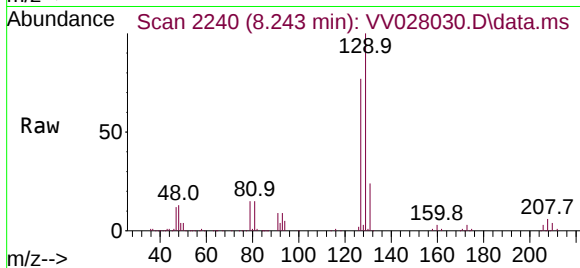
VSTD050346

Tgt Ion:129 Resp: 158179

Ion Ratio Lower Upper

129 100

127 76.6 56.3 104.5



#50

1,2-Dibromoethane

Concen: 54.143 ug/L

RT: 8.349 min Scan# 2273

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

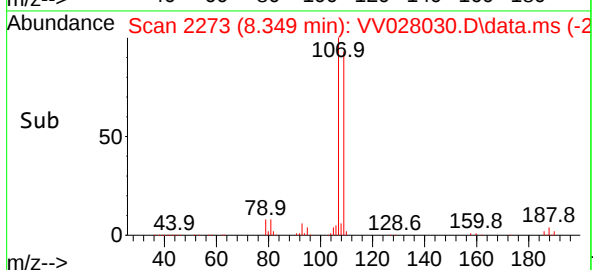
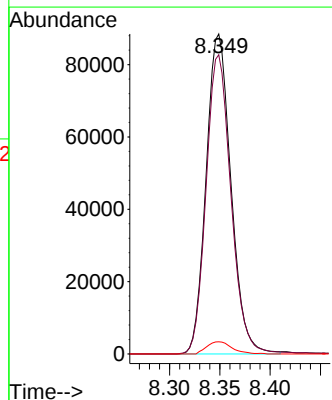
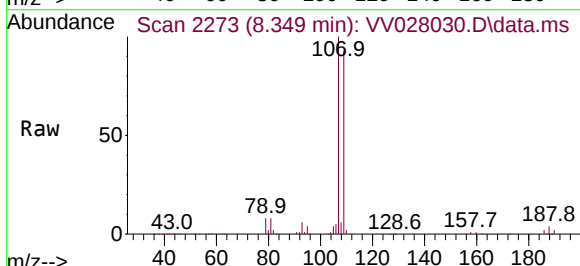
Tgt Ion:107 Resp: 152090

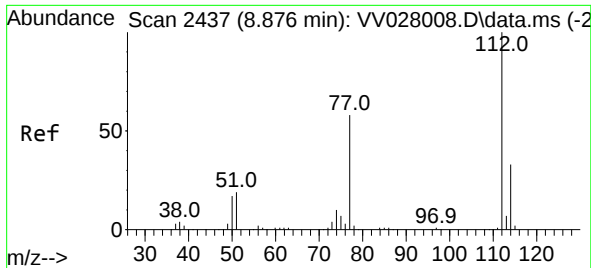
Ion Ratio Lower Upper

107 100

109 93.5 64.4 119.6

188 3.8 3.0 4.4

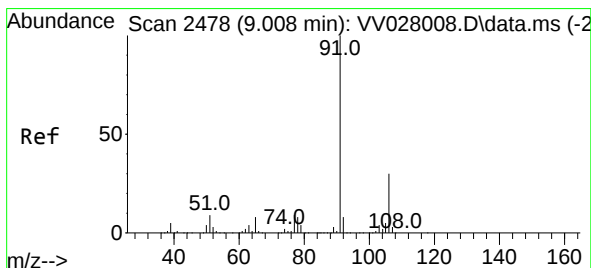
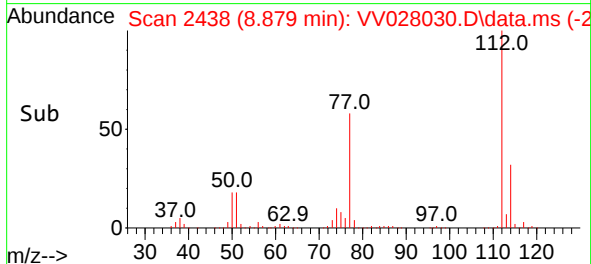
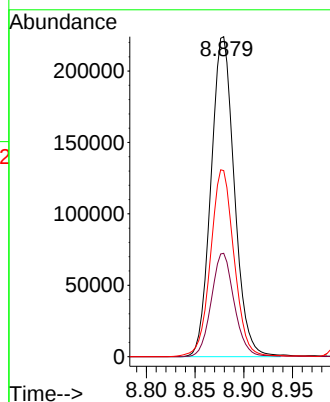
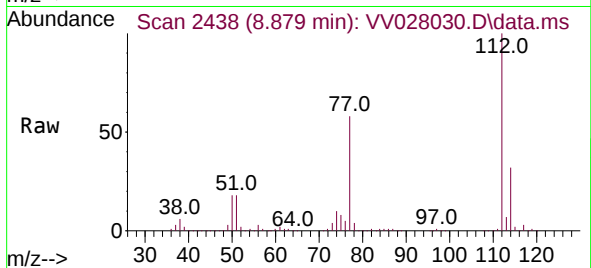




#51
Chlorobenzene
Concen: 51.072 ug/L
RT: 8.879 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

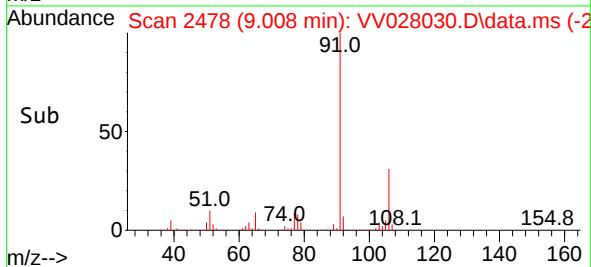
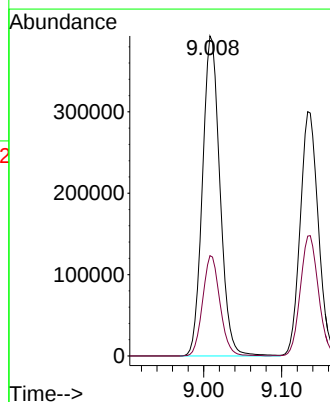
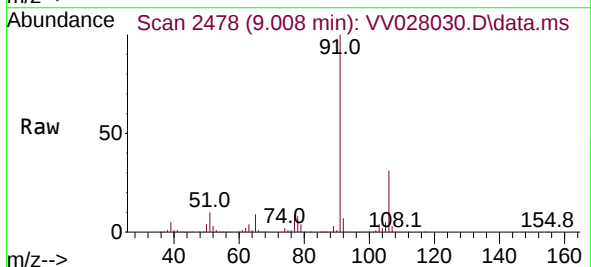
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

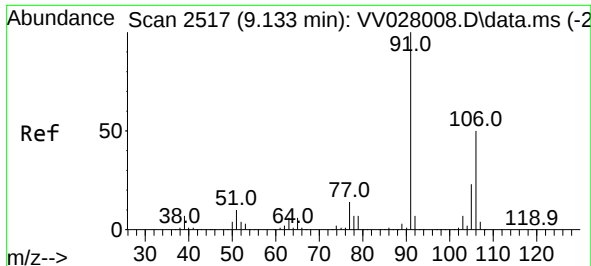
Tgt Ion:112 Resp: 373960
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 58.2 46.8 70.2



#52
Ethylbenzene
Concen: 51.818 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 91 Resp: 613585
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.6

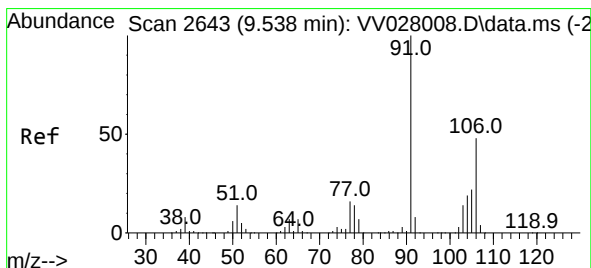
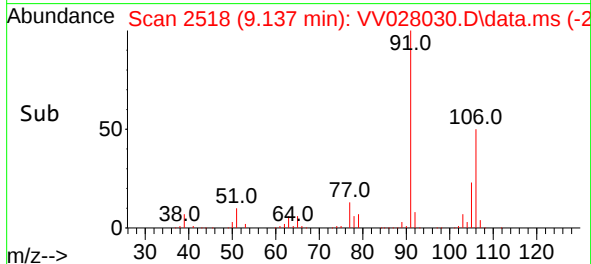
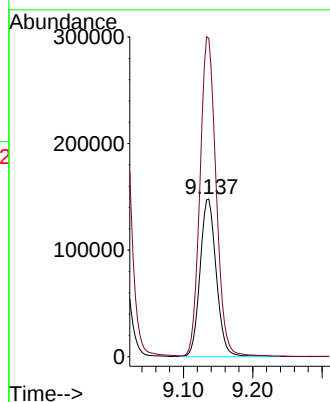
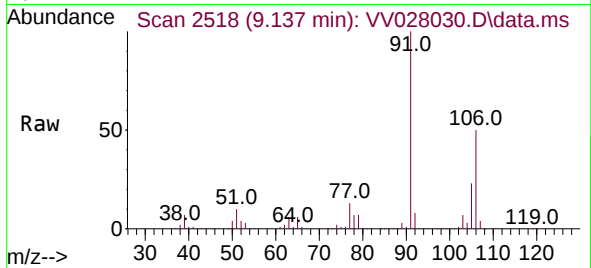




#53
m,p-Xylene
Concen: 53.115 ug/L
RT: 9.137 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

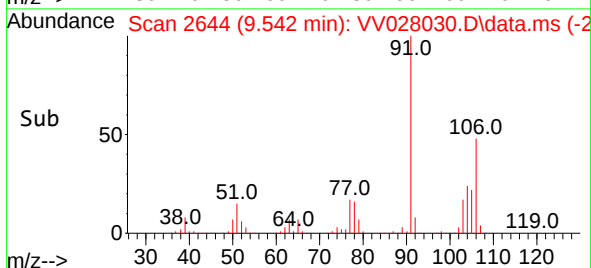
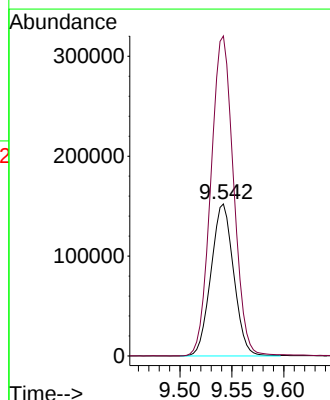
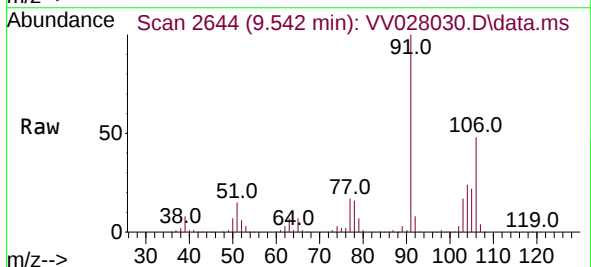
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

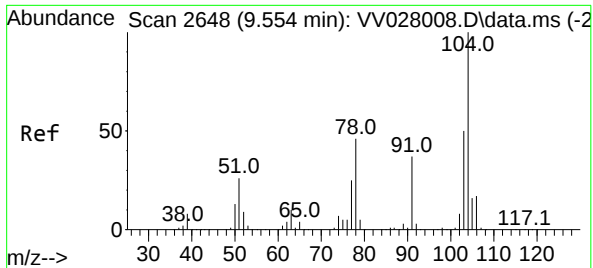
Tgt Ion:106 Resp: 241146
Ion Ratio Lower Upper
106 100
91 201.9 139.8 259.6



#54
o-Xylene
Concen: 52.822 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion:106 Resp: 231390
Ion Ratio Lower Upper
106 100
91 210.4 151.1 280.5

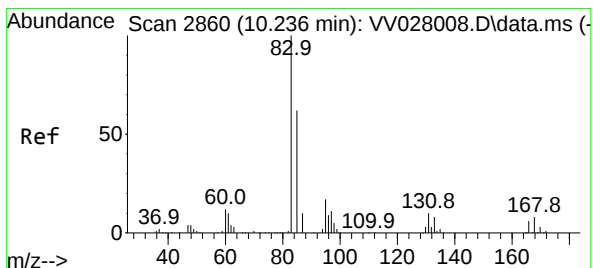
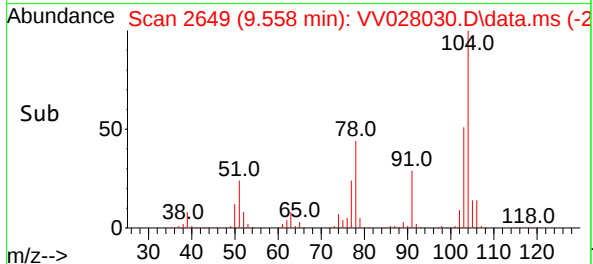
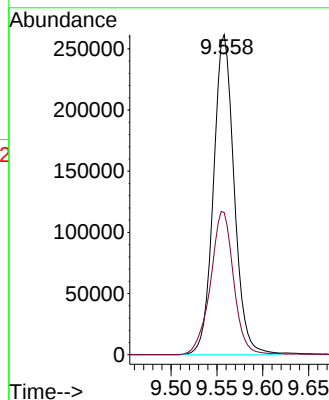
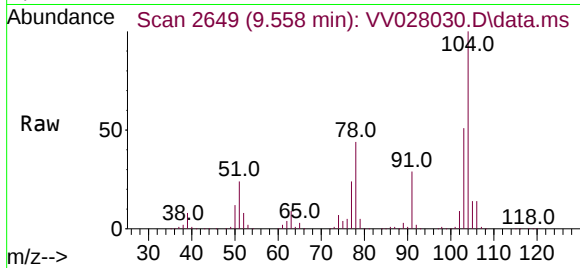




#55
Styrene
Concen: 52.949 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

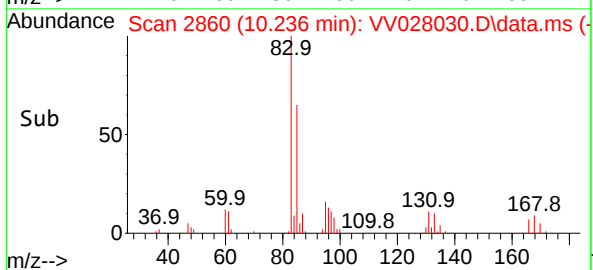
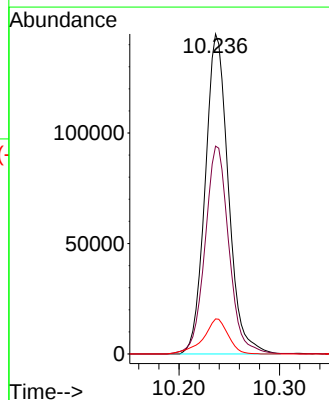
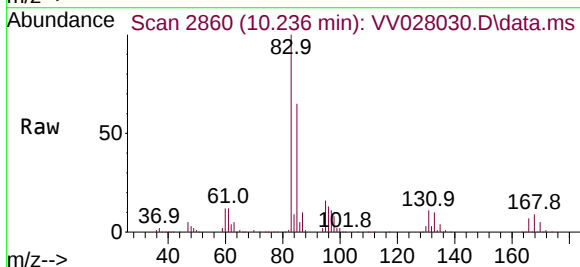
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

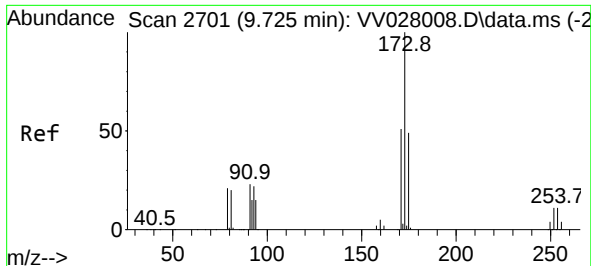
Tgt Ion:104 Resp: 411580
Ion Ratio Lower Upper
104 100
78 44.4 31.1 57.7



#57
1,1,2,2-Tetrachloroethane
Concen: 50.432 ug/L
RT: 10.236 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 83 Resp: 231697
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9
131 10.9 7.7 11.5

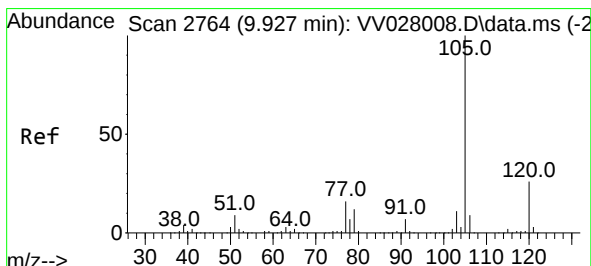
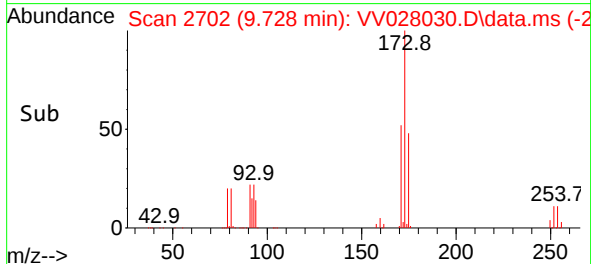
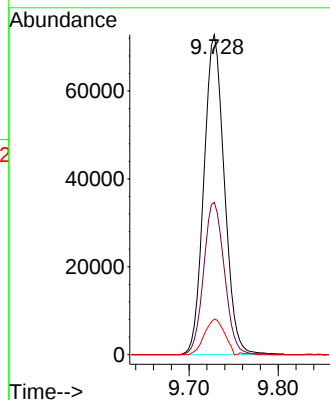
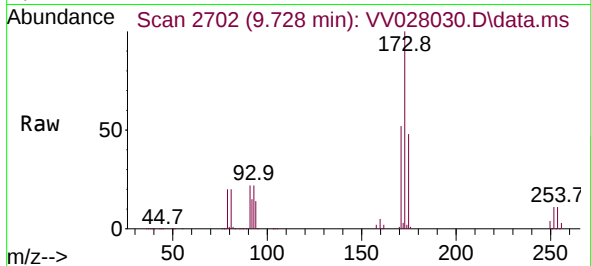




#59
Bromoform
Concen: 53.985 ug/L
RT: 9.728 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

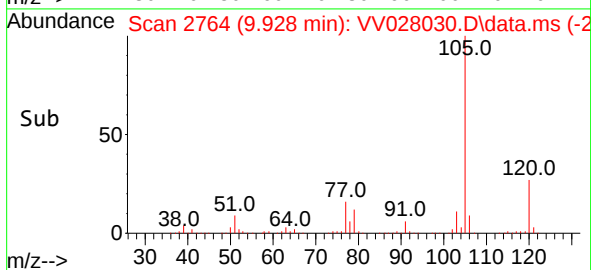
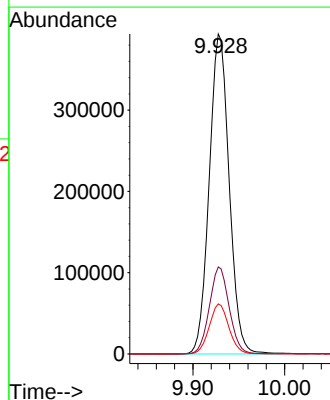
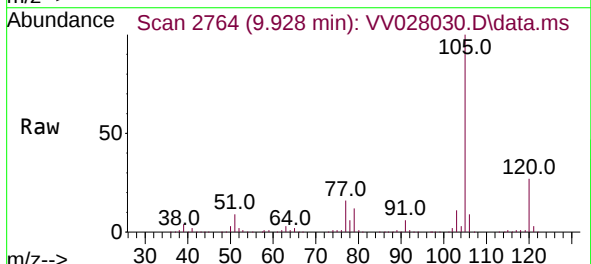
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

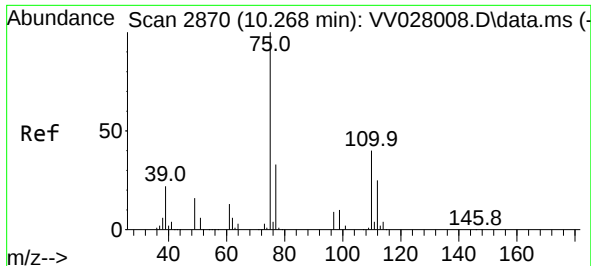
Tgt Ion:173 Resp: 116475
Ion Ratio Lower Upper
173 100
175 48.2 39.7 59.5
254 10.8 7.4 11.2



#60
Isopropylbenzene
Concen: 53.885 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion:105 Resp: 594180
Ion Ratio Lower Upper
105 100
120 27.0 20.8 31.2
77 15.3 12.6 19.0

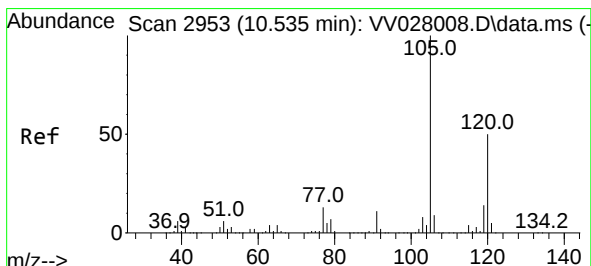
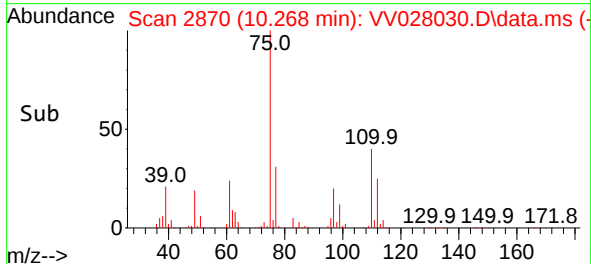
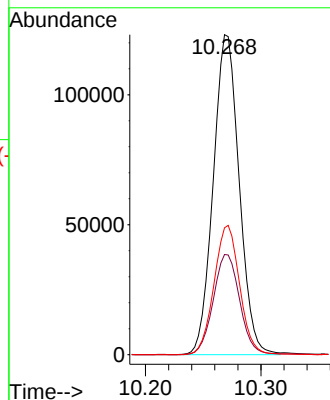
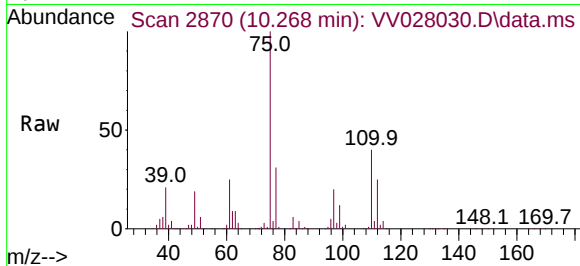




#61
1,2,3-Trichloropropane
Concen: 54.908 ug/L
RT: 10.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

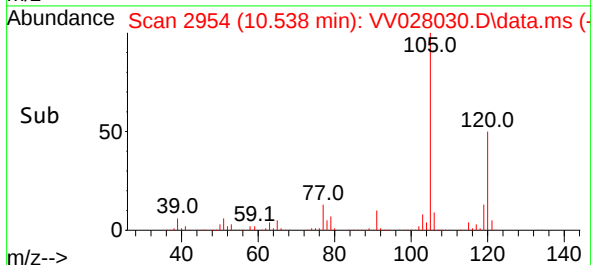
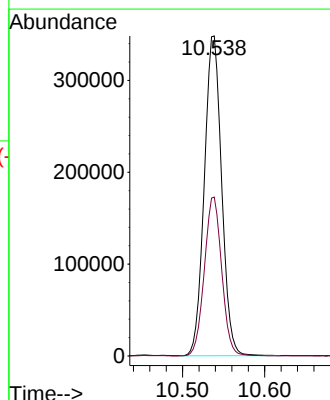
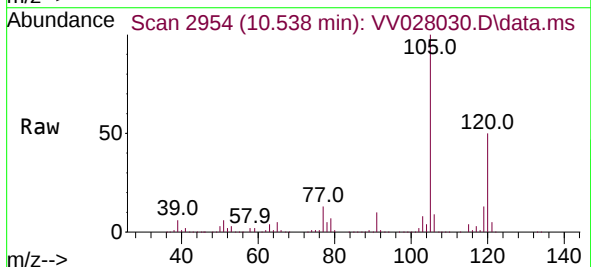
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

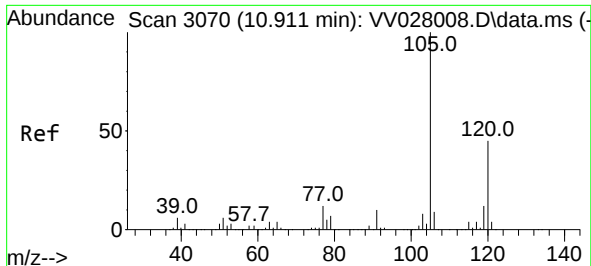
Tgt Ion: 75 Resp: 192168
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
110 39.9 31.1 46.7



#62
1,3,5-Trimethylbenzene
Concen: 54.298 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion: 105 Resp: 512008
Ion Ratio Lower Upper
105 100
120 49.7 40.2 60.2





#63

1,2,4-Trimethylbenzene

Concen: 54.939 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

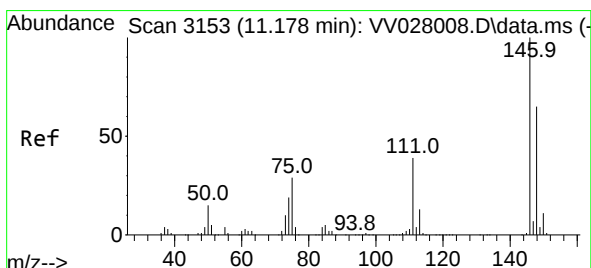
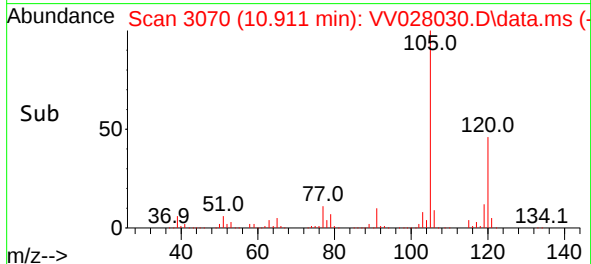
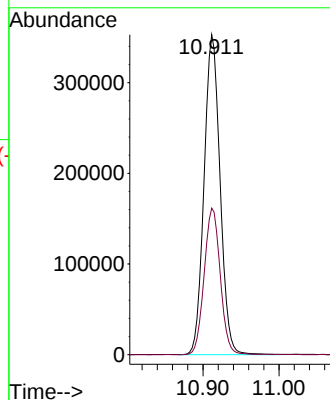
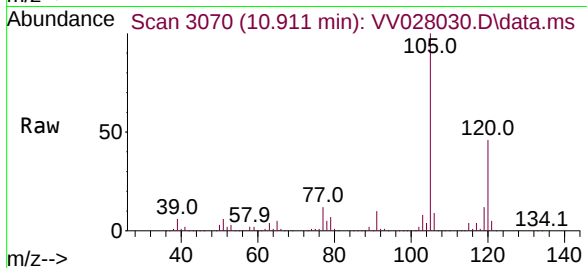
VSTD050346

Tgt Ion:105 Resp: 516635

Ion Ratio Lower Upper

105 100

120 45.9 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 51.282 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

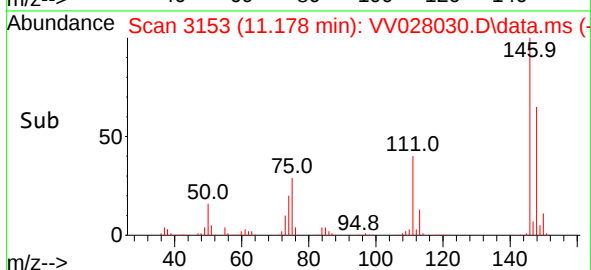
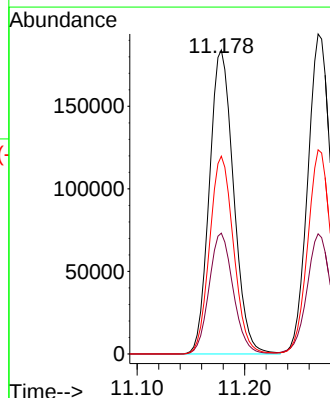
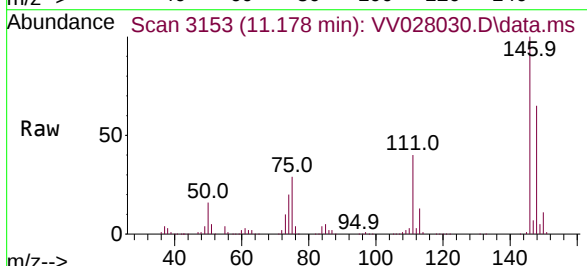
Tgt Ion:146 Resp: 288214

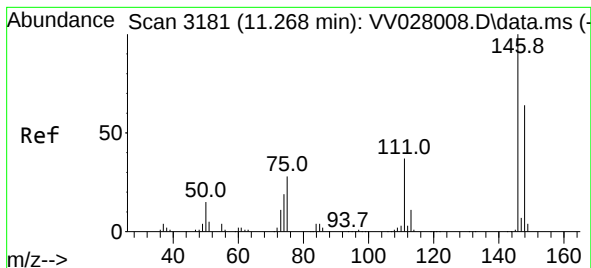
Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

148 65.1 45.0 83.6





#65

1,4-Dichlorobenzene

Concen: 51.480 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

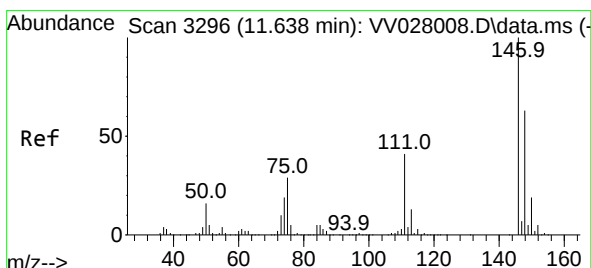
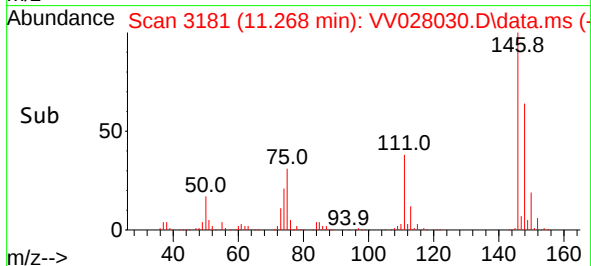
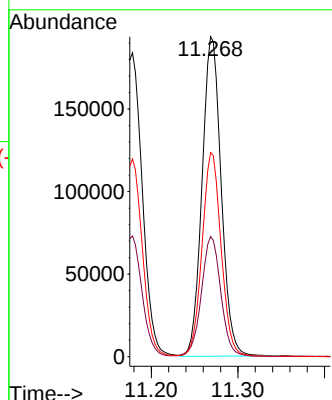
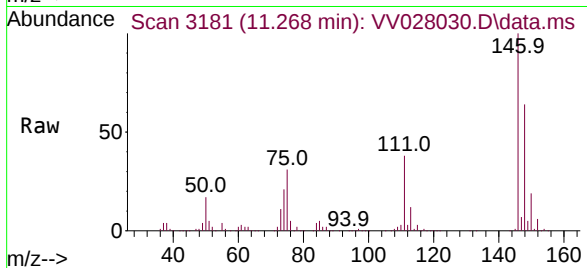
Tgt Ion:146 Resp: 296428

Ion Ratio Lower Upper

146 100

111 37.6 26.0 48.2

148 63.8 43.9 81.5



#67

1,2-Dichlorobenzene

Concen: 52.745 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

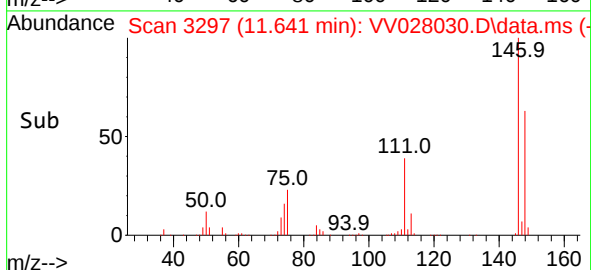
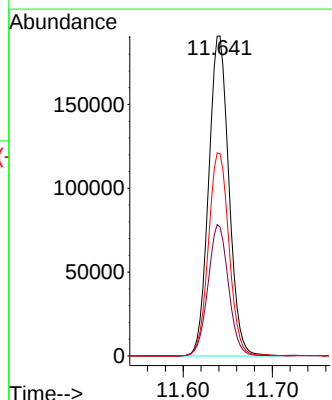
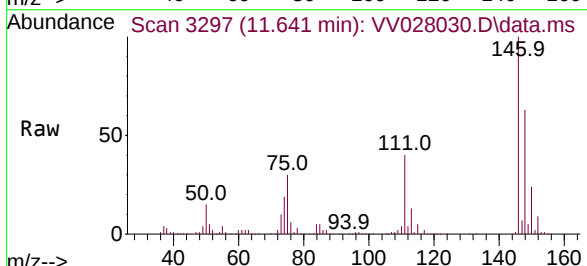
Tgt Ion:146 Resp: 301221

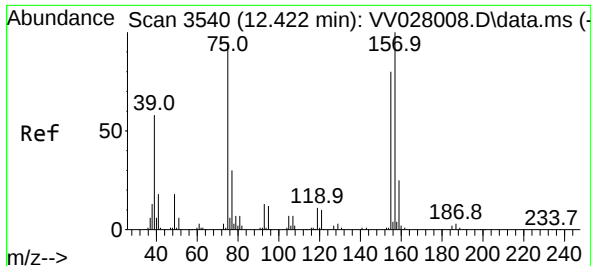
Ion Ratio Lower Upper

146 100

111 40.3 32.3 48.5

148 63.3 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 54.219 ug/L

RT: 12.426 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

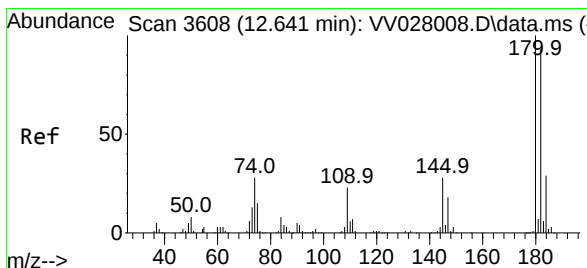
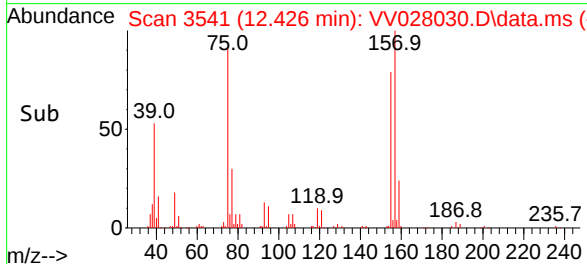
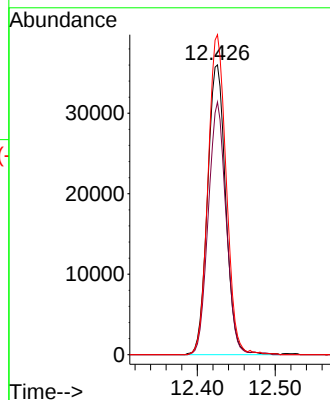
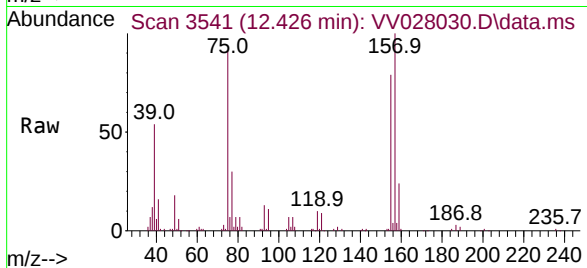
Tgt Ion: 75 Resp: 58310

Ion Ratio Lower Upper

75 100

155 87.2 68.3 102.5

157 110.4 86.2 129.2



#69

1,3,5-Trichlorobenzene

Concen: 47.804 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV028030.D

Acq: 21 Sep 2022 21:18

Tgt Ion: 180 Resp: 210680

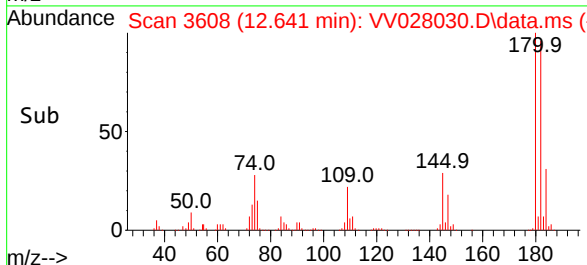
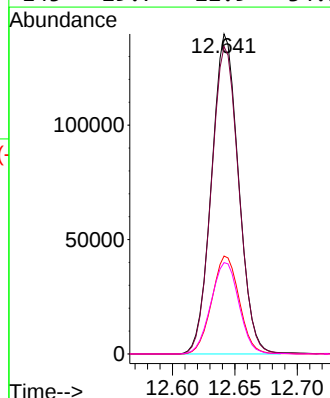
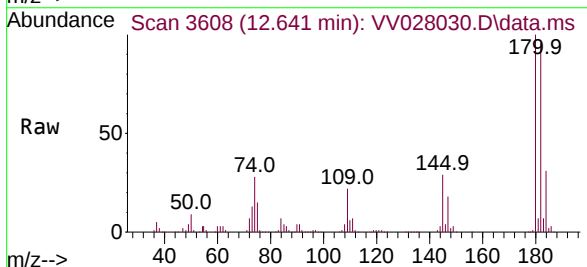
Ion Ratio Lower Upper

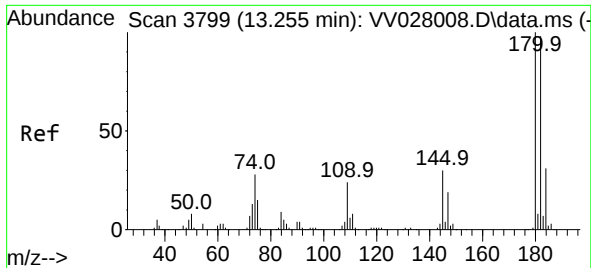
180 100

182 97.6 75.4 113.0

184 31.1 24.2 36.2

145 29.7 22.9 34.3

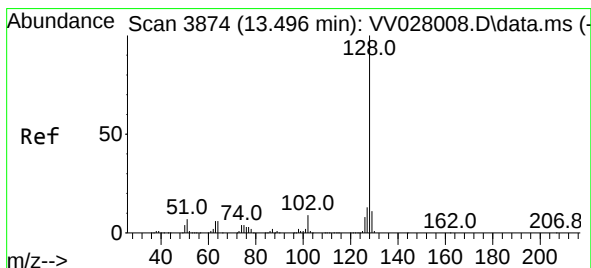
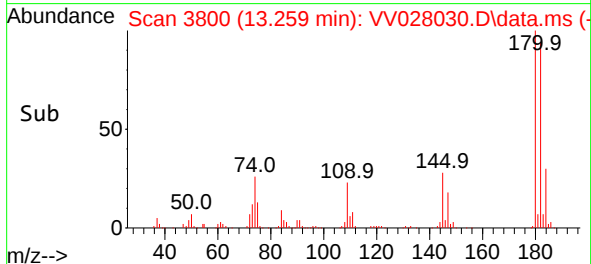
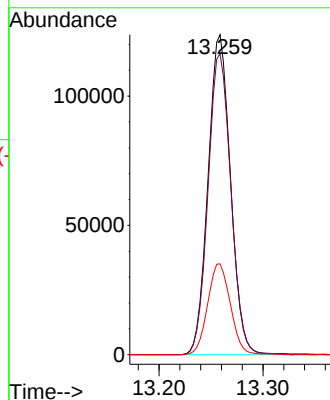
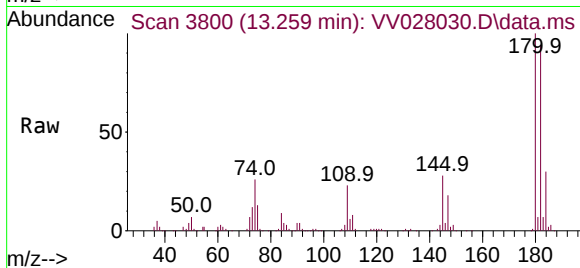




#70
1,2,4-trichlorobenzene
Concen: 47.014 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

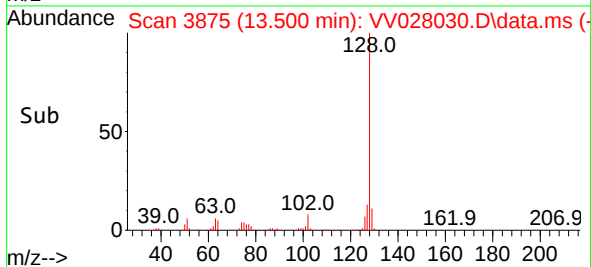
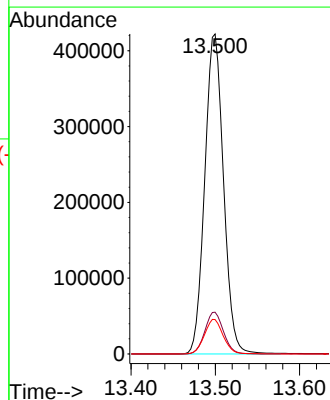
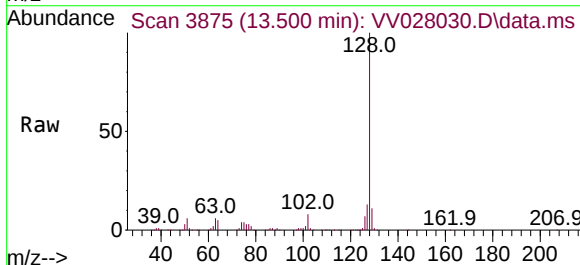
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

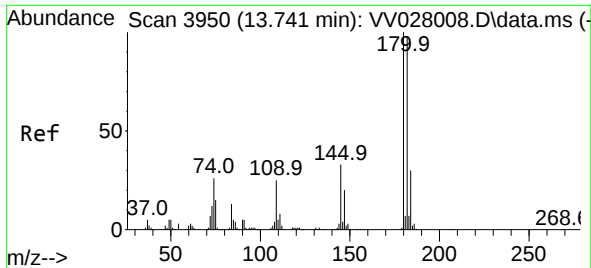
Tgt Ion:180 Resp: 185681
Ion Ratio Lower Upper
180 100
182 95.7 77.0 115.6
145 28.8 22.8 34.2



#71
Naphthalene
Concen: 51.637 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV028030.D
Acq: 21 Sep 2022 21:18

Tgt Ion:128 Resp: 654731
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 12.8





#72

1,2,3-Trichlorobenzene

Concen: 49.679 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV028030.D

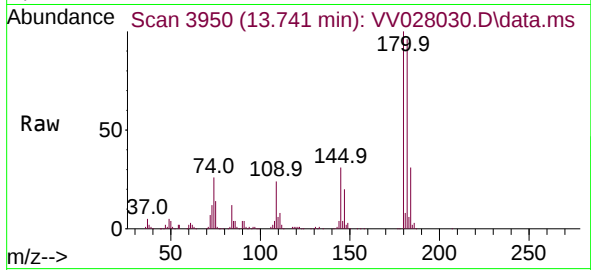
Acq: 21 Sep 2022 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346



Tgt Ion:180 Resp: 202645

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 31.5 25.1 37.7

