

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030323\
 Data File : VW030141.D
 Acq On : 03 Mar 2023 17:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005293

Quant Time: Mar 03 22:29:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	137737	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	133390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	80321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	35106	3.939	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.535	69	38309	4.579	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.066	63	84236	4.597	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	3.857	46	86073	52.383	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.760%
24) Chloroform-d	4.262	84	91813	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	4.957	65	39281	5.285	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	4.973	84	157960	4.401	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	5.998	67	51926	4.809	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.200%
41) Toluene-d8	7.252	98	151174	4.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.564	79	16717	4.525	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.040	63	82989	54.299	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.600%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	43807	5.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	58436	4.300	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	61727	5.508	ug/L	99
3) Chloromethane	1.217	50	87346	4.946	ug/L	100
5) Vinyl chloride	1.285	62	63250	5.389	ug/L	99
6) Bromomethane	1.490	94	12339	5.857	ug/L	93
8) Chloroethane	1.552	64	39408	5.511	ug/L	98
9) Trichlorofluoromethane	1.719	101	94401	5.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	58131	5.567	ug/L	98
12) 1,1-Dichloroethene	2.076	96	51157	5.534	ug/L	90
13) Acetone	2.172	43	18290	15.060	ug/L #	1
14) Carbon disulfide	2.246	76	129290	5.228	ug/L	99
15) Methyl Acetate	2.397	43	13784	4.860	ug/L	98
16) Methylene chloride	2.455	84	52687	4.666	ug/L	98
17) Methyl tert-butyl Ether	2.715	73	93501	5.173	ug/L	98
18) trans-1,2-Dichloroethene	2.703	96	47328	5.382	ug/L	99
19) 1,1-Dichloroethane	3.121	63	92078	5.621	ug/L	99
21) 2-Butanone	3.928	43	79319	48.563	ug/L #	70
22) cis-1,2-Dichloroethene	3.828	96	49576	5.101	ug/L	98
23) Bromochloromethane	4.162	128	23874	5.748	ug/L	97
25) Chloroform	4.288	83	98033	5.753	ug/L	99

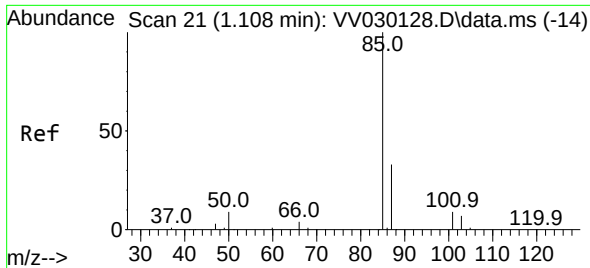
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030323\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	50791	5.699	ug/L	100
29) 1,1,1-Trichloroethane	4.526	97	87098	5.558	ug/L	100
30) Cyclohexane	4.596	56	64593	4.771	ug/L	98
31) Carbon tetrachloride	4.747	117	77315	5.490	ug/L	97
33) Benzene	5.021	78	195158	5.357	ug/L	100
34) Trichloroethene	5.841	95	52350	5.128	ug/L	98
35) Methylcyclohexane	6.059	83	74402	4.816	ug/L	99
37) 1,2-Dichloropropane	6.104	63	51009	5.504	ug/L	100
38) Bromodichloromethane	6.442	83	67524	5.707	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	68585	5.055	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	211860	55.397	ug/L	98
42) Toluene	7.323	91	216595	5.489	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	57558	5.435	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	37479	5.652	ug/L	96
47) Tetrachloroethene	7.915	164	46183	5.271	ug/L	97
48) 2-Hexanone	8.088	43	159598	58.293	ug/L	99
49) Dibromochloromethane	8.185	129	44439	5.727	ug/L	100
50) 1,2-Dibromoethane	8.291	107	34761	5.618	ug/L	99
51) Chlorobenzene	8.821	112	140573	5.283	ug/L	99
52) Ethylbenzene	8.956	91	221129	5.150	ug/L	100
53) m,p-Xylene	9.082	106	87094	5.277	ug/L	98
54) o-Xylene	9.487	106	79606	5.050	ug/L	95
55) Styrene	9.506	104	144909	5.528	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	45033	6.071	ug/L	98
59) Bromoform	9.677	173	26353	5.474	ug/L	99
60) Isopropylbenzene	9.876	105	225930	4.889	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29568	5.500	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	178685	4.707	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	184443	4.749	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	123245	5.122	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	119339	4.915	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	108488	5.106	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6090	5.072	ug/L	99
69) 1,3,5-Trichlorobenzene	12.593	180	92112	4.656	ug/L	100
70) 1,2,4-trichlorobenzene	13.210	180	71338	4.451	ug/L	98
71) Naphthalene	13.448	128	90638	4.328	ug/L	100
72) 1,2,3-Trichlorobenzene	13.692	180	61053	4.628	ug/L	98

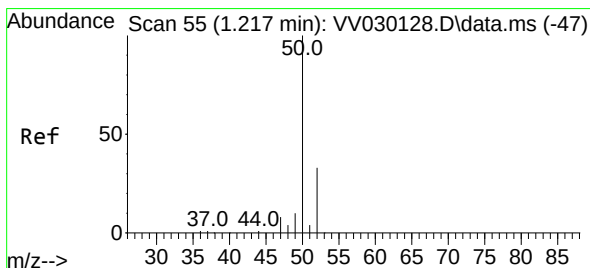
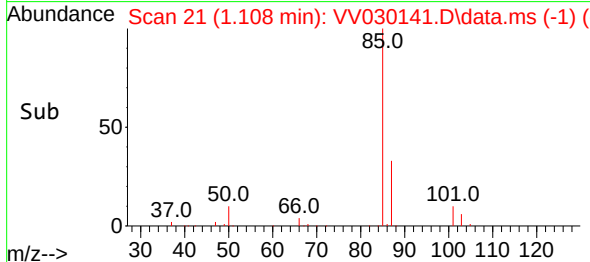
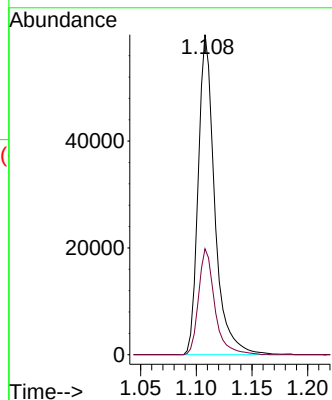
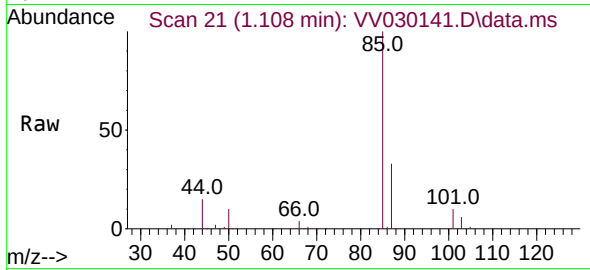
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.508 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

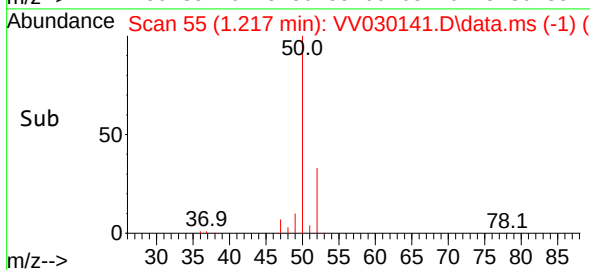
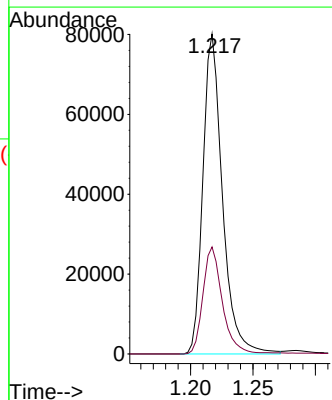
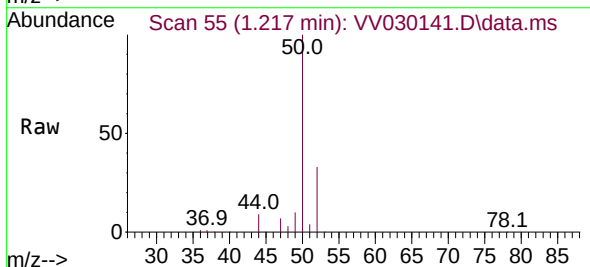
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005293

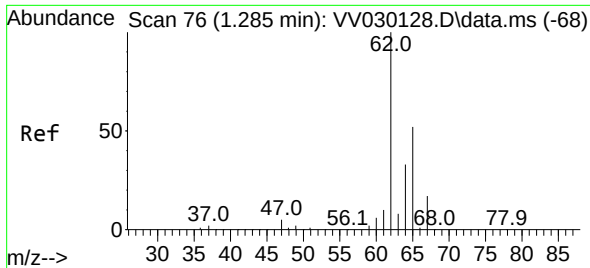
Tgt Ion: 85 Resp: 61727
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 4.946 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

Tgt Ion: 50 Resp: 87346
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.6 43.8

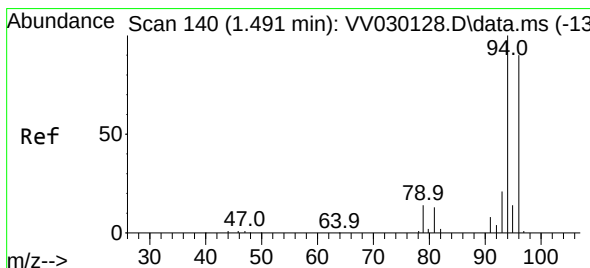
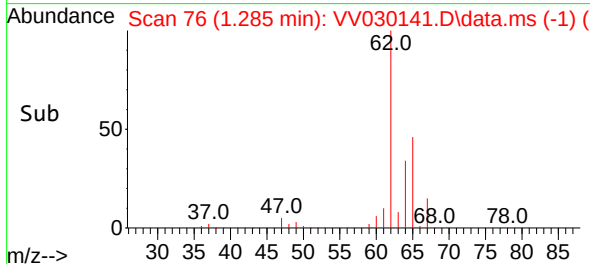
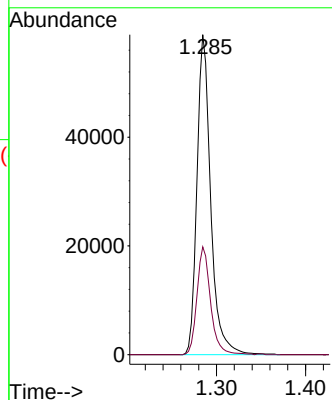
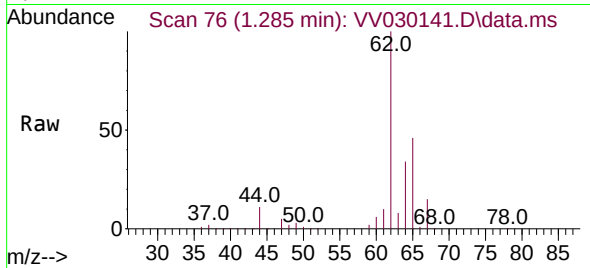




#5
 Vinyl chloride
 Concen: 5.389 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

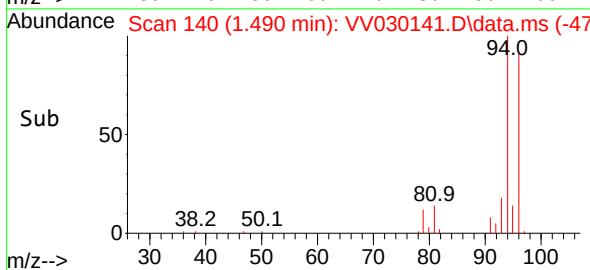
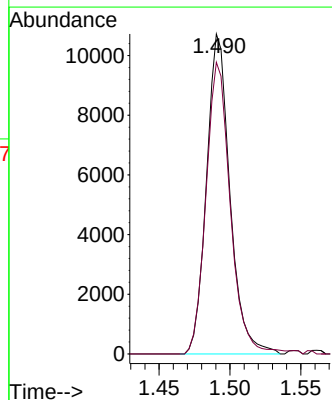
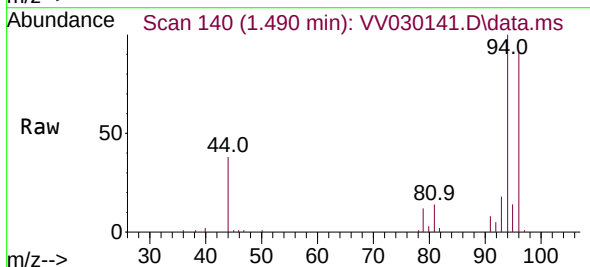
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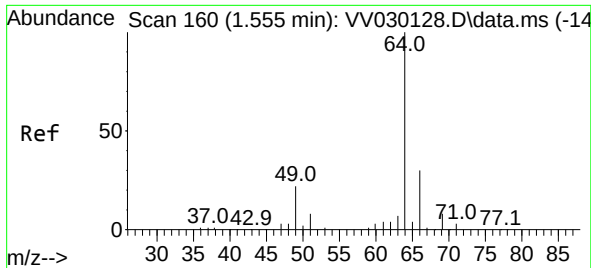
Tgt Ion: 62 Resp: 63250
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9



#6
 Bromomethane
 Concen: 5.857 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

Tgt Ion: 94 Resp: 12339
 Ion Ratio Lower Upper
 94 100
 96 91.2 68.4 127.0

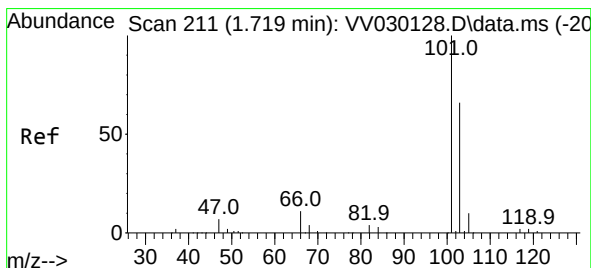
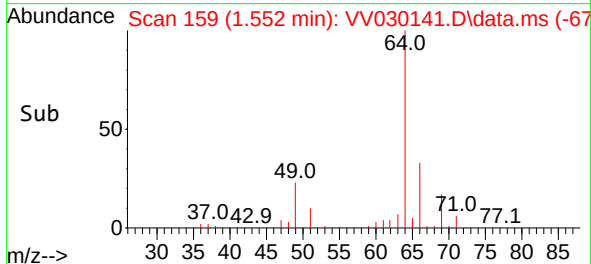
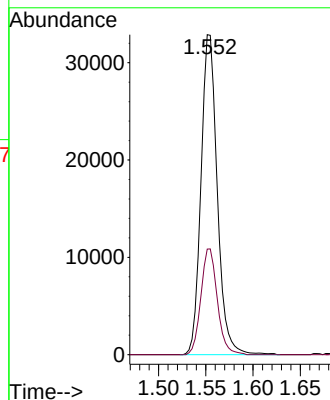
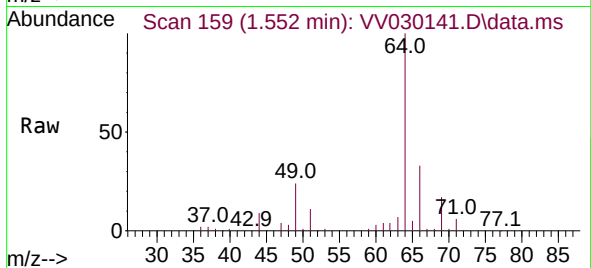




#8
Chloroethane
Concen: 5.511 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

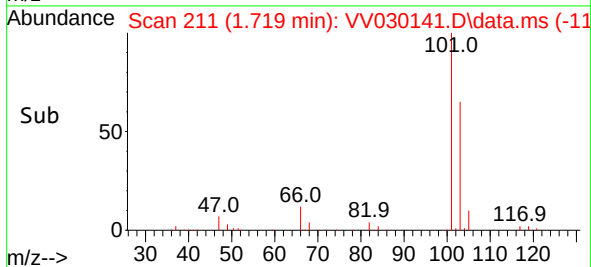
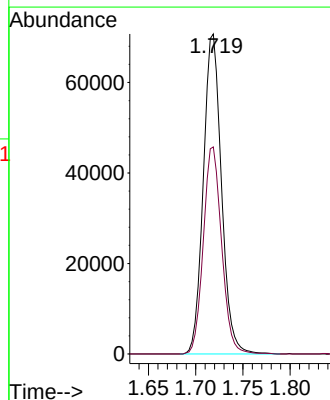
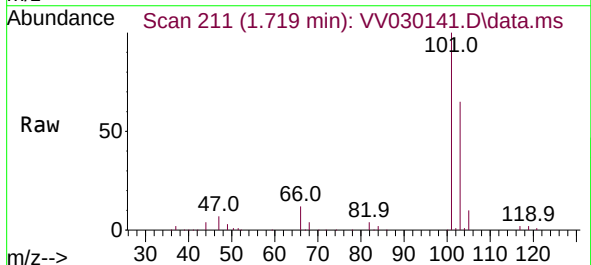
Instrument :
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ClientSampleId :
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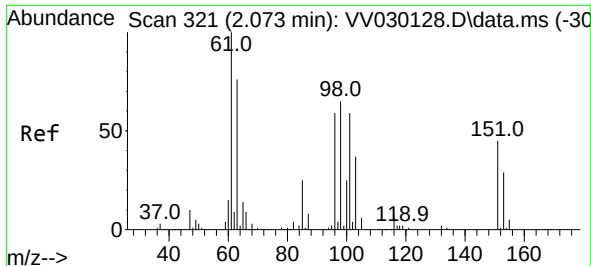
Tgt Ion: 64 Resp: 39408
Ion Ratio Lower Upper
64 100
66 33.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.606 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion:101 Resp: 94401
Ion Ratio Lower Upper
101 100
103 65.1 52.7 79.1

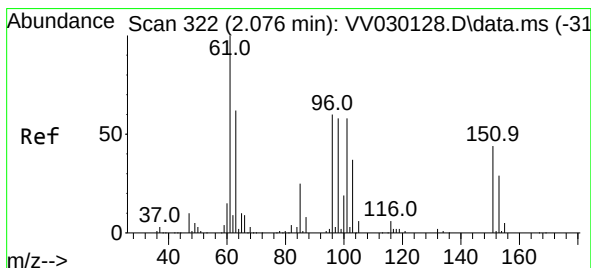
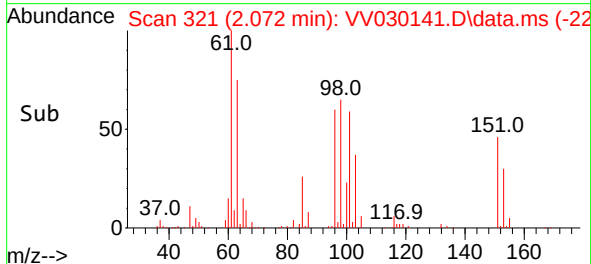
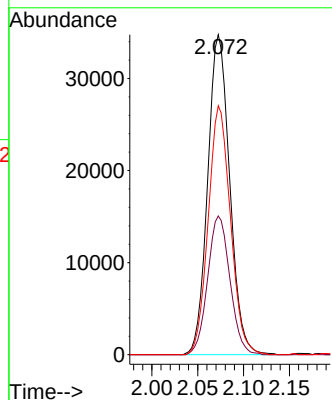
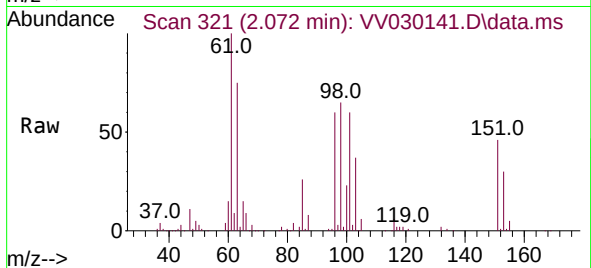




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.567 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

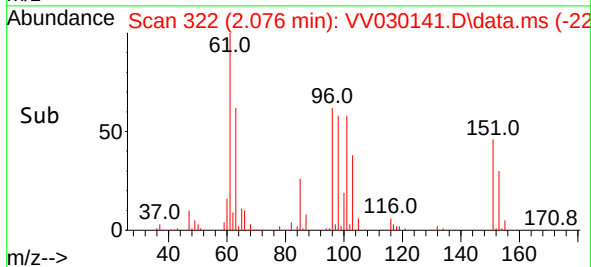
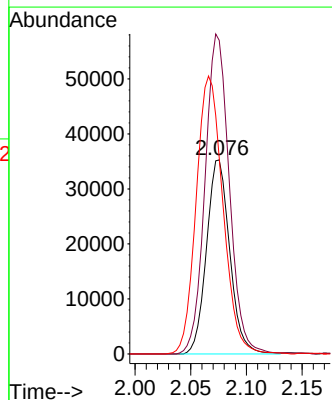
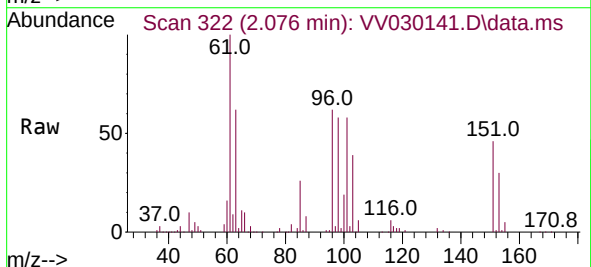
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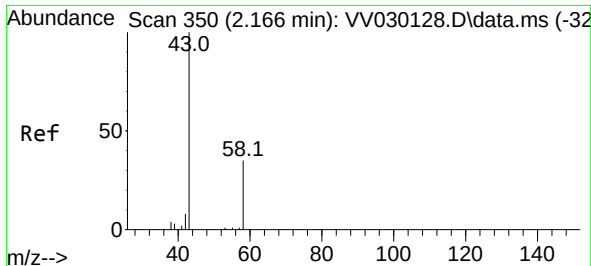
Tgt Ion:101 Resp: 58131
 Ion Ratio Lower Upper
 101 100
 85 43.8 33.5 50.3
 151 78.7 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 5.534 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

Tgt Ion: 96 Resp: 51157
 Ion Ratio Lower Upper
 96 100
 61 161.6 115.6 214.6
 63 100.9 85.6 159.0





#13

Acetone

Concen: 15.060 ug/L

RT: 2.172 min Scan# 350

Delta R.T. 0.006 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

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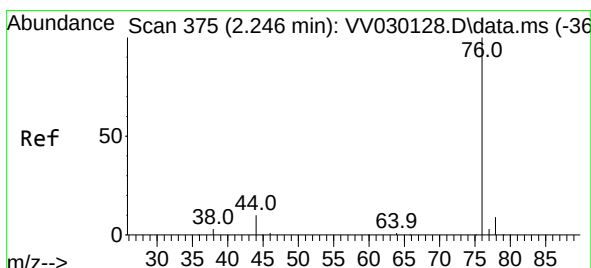
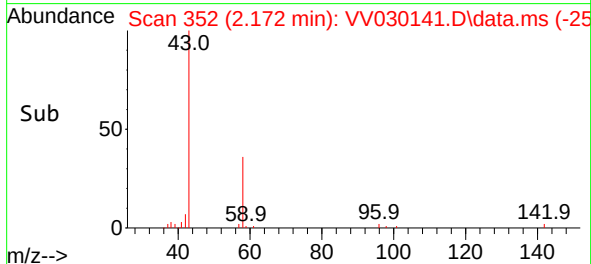
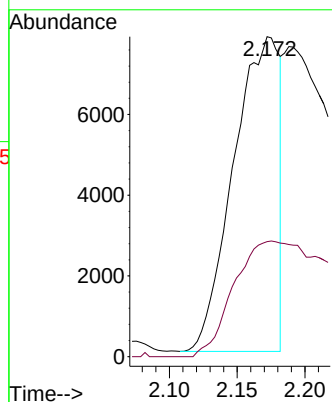
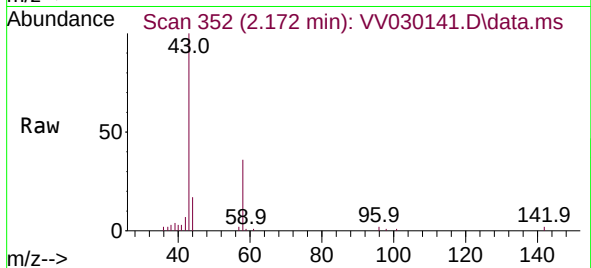
VSTD005293

Tgt Ion: 43 Resp: 18290

Ion Ratio Lower Upper

43 100

58 90.1 0.0 29.4#



#14

Carbon disulfide

Concen: 5.228 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030141.D

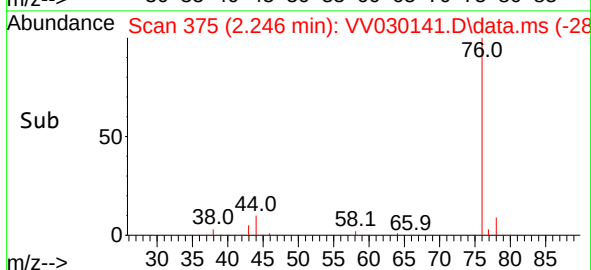
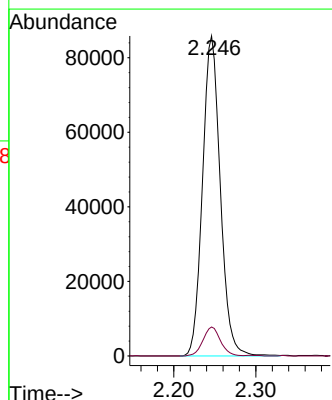
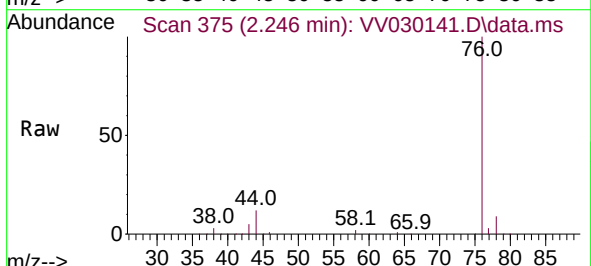
Acq: 03 Mar 2023 17:06

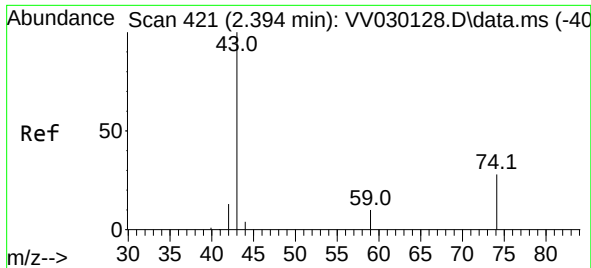
Tgt Ion: 76 Resp: 129290

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

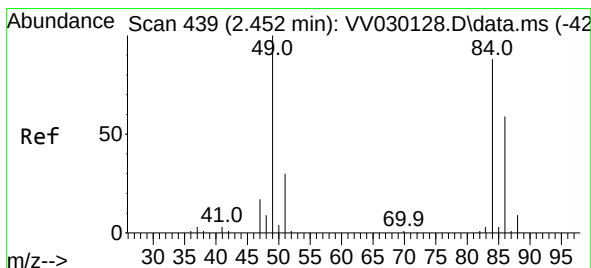
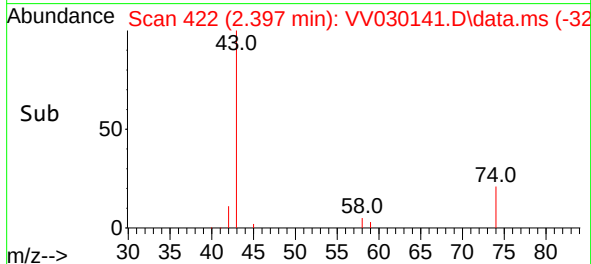
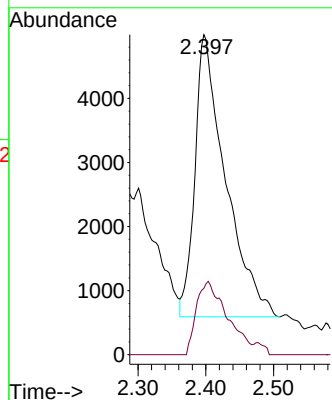
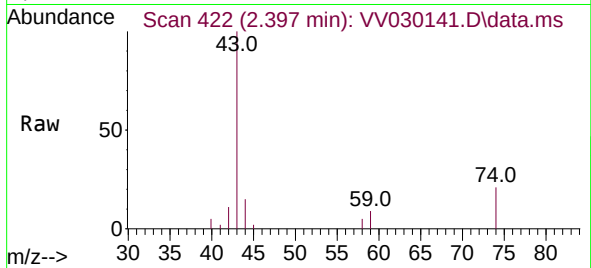




#15
Methyl Acetate
Concen: 4.860 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

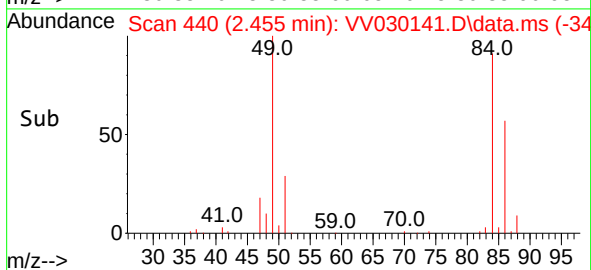
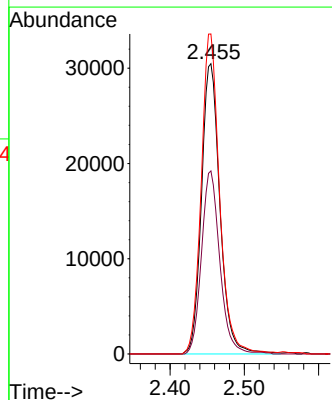
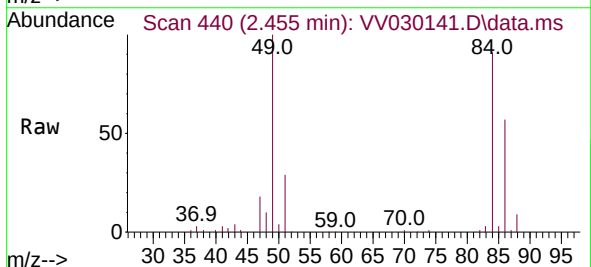
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

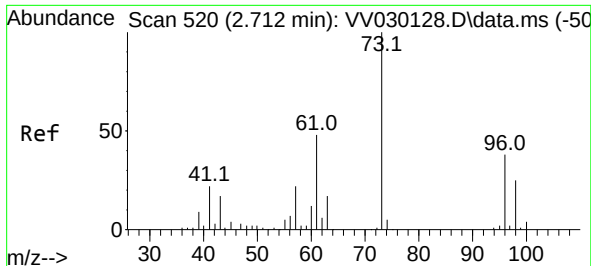
Tgt Ion: 43 Resp: 13784
Ion Ratio Lower Upper
43 100
74 26.2 20.1 30.1



#16
Methylene chloride
Concen: 4.666 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 84 Resp: 52687
Ion Ratio Lower Upper
84 100
86 63.0 44.7 83.1
49 110.2 78.8 146.3

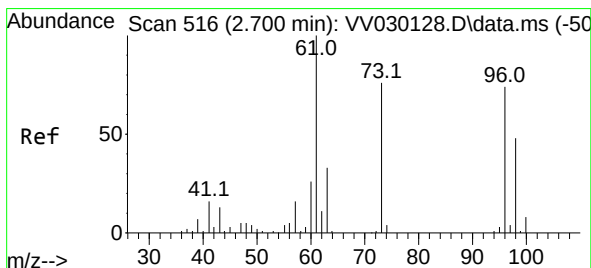
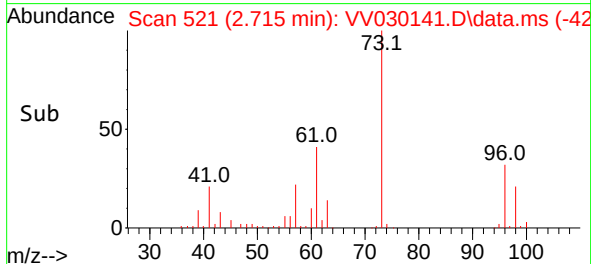
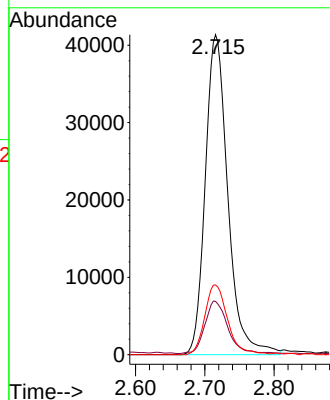
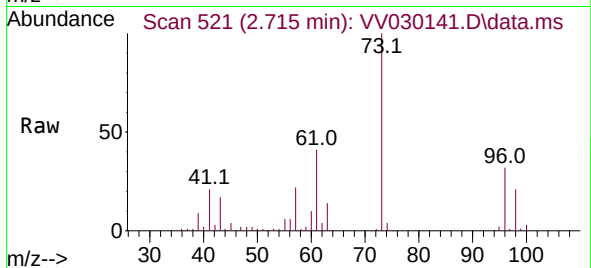




#17
Methyl tert-butyl Ether
Concen: 5.173 ug/L
RT: 2.715 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

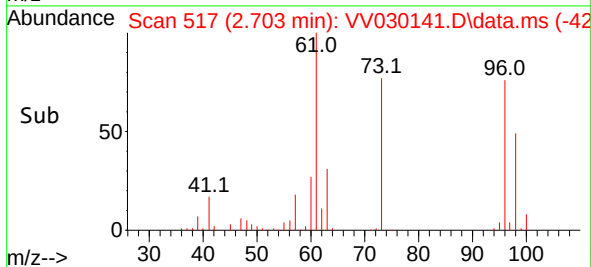
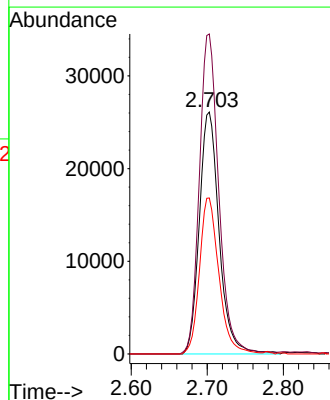
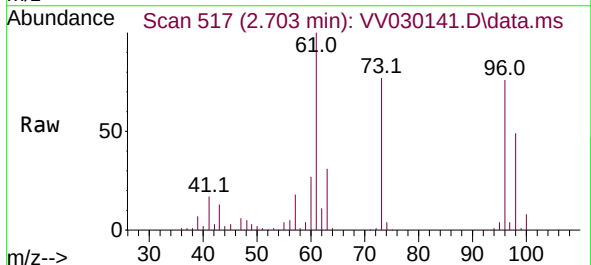
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

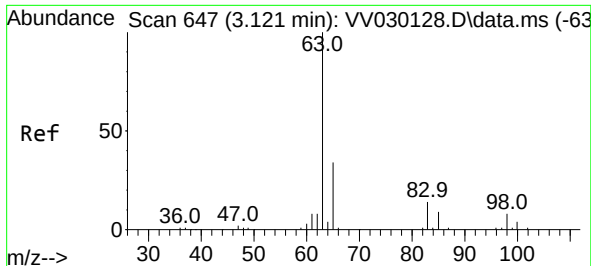
Tgt Ion: 73 Resp: 93501
Ion Ratio Lower Upper
73 100
43 16.4 13.4 20.2
57 22.1 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.382 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 96 Resp: 47328
Ion Ratio Lower Upper
96 100
61 132.3 91.0 169.0
98 64.5 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.621 ug/L

RT: 3.121 min Scan# 647

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

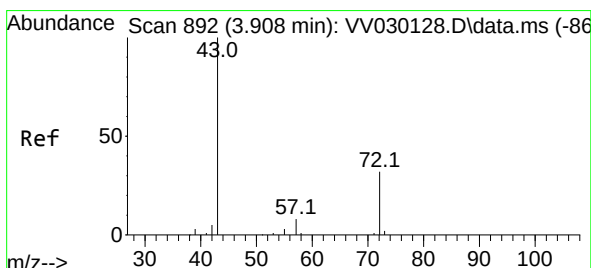
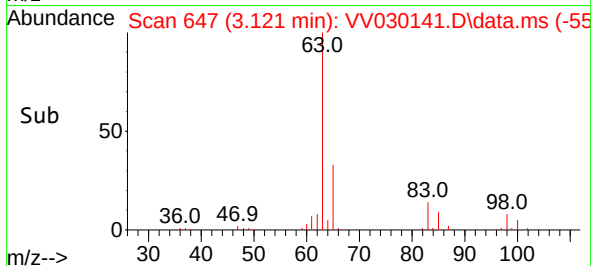
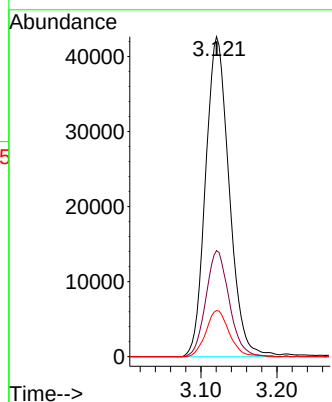
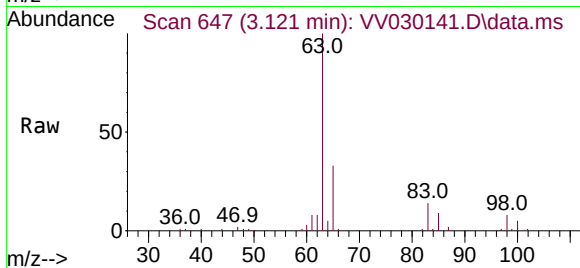
Tgt Ion: 63 Resp: 92078

Ion Ratio Lower Upper

63 100

65 33.2 23.0 42.8

83 14.4 9.6 17.8



#21

2-Butanone

Concen: 48.563 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.019 min

Lab File: VV030141.D

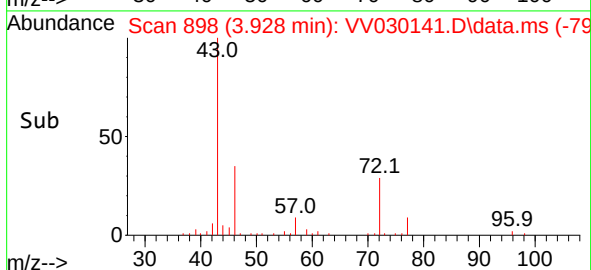
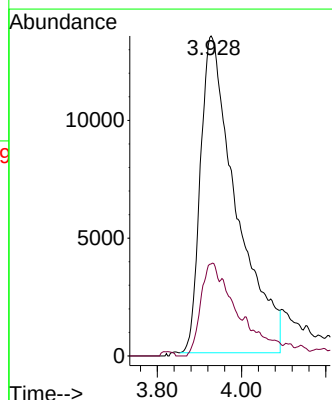
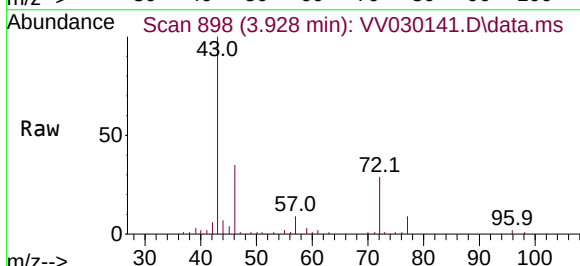
Acq: 03 Mar 2023 17:06

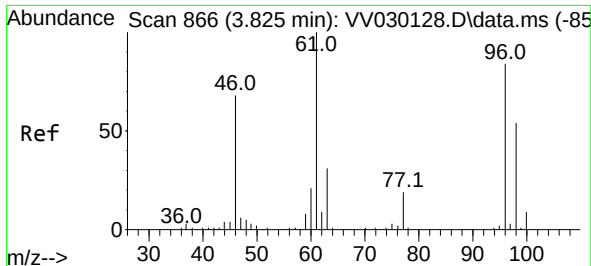
Tgt Ion: 43 Resp: 79319

Ion Ratio Lower Upper

43 100

72 14.1 15.1 45.3#

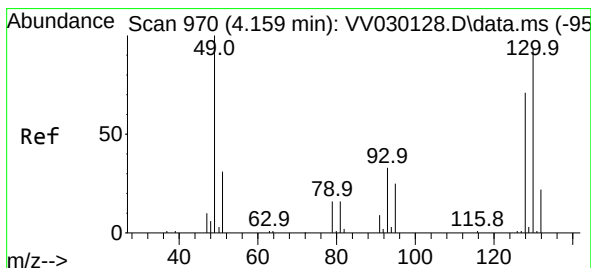
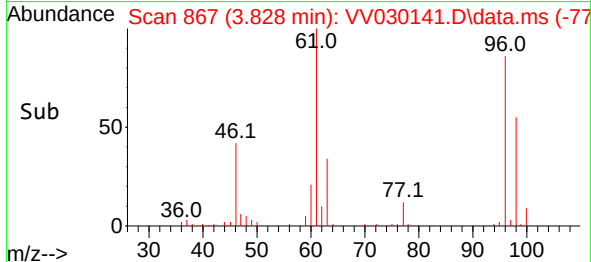
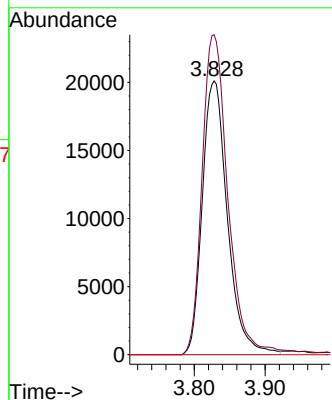
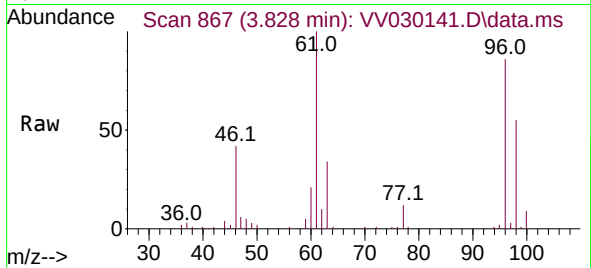




#22
 cis-1,2-Dichloroethene
 Concen: 5.101 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

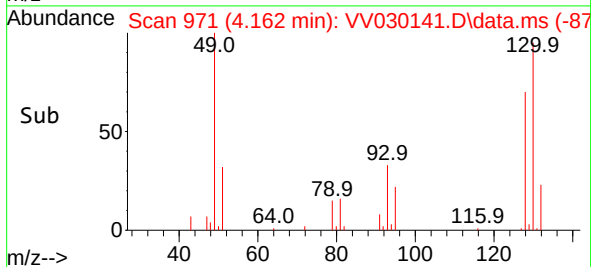
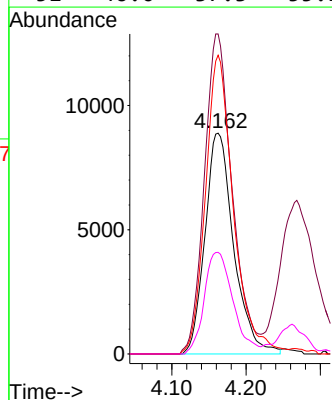
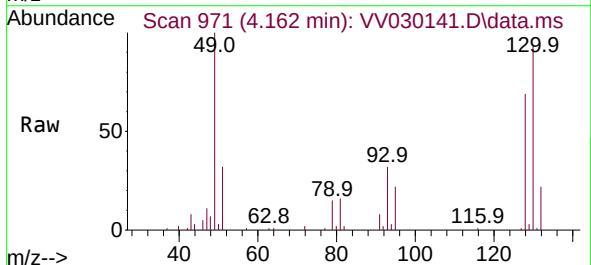
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005293

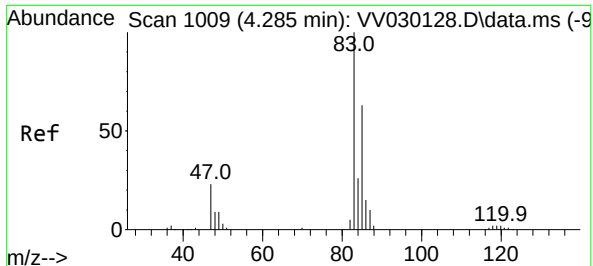
Tgt Ion: 96 Resp: 49576
 Ion Ratio Lower Upper
 96 100
 61 116.9 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.748 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

Tgt Ion: 128 Resp: 23874
 Ion Ratio Lower Upper
 128 100
 49 145.0 99.5 184.9
 130 135.3 90.5 168.1
 51 46.0 37.3 55.9





#25

Chloroform

Concen: 5.753 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

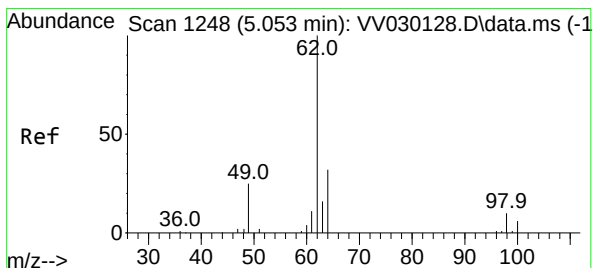
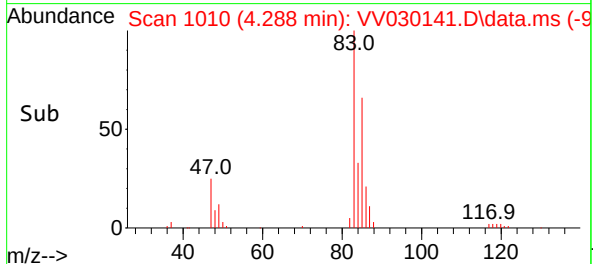
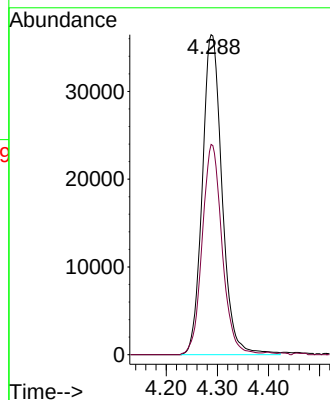
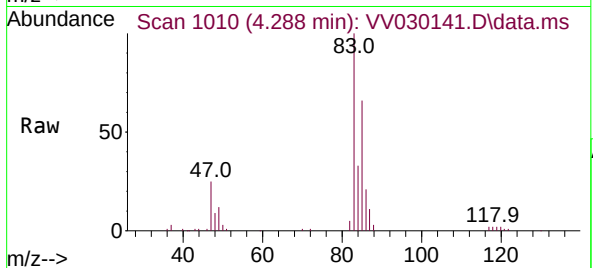
VSTD005293

Tgt Ion: 83 Resp: 98033

Ion Ratio Lower Upper

83 100

85 65.7 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.699 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030141.D

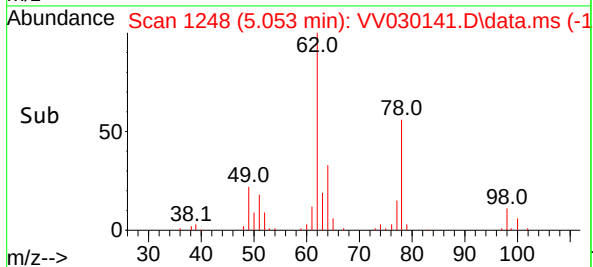
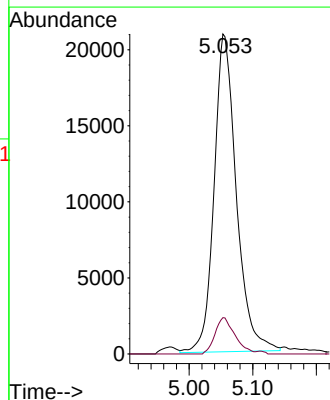
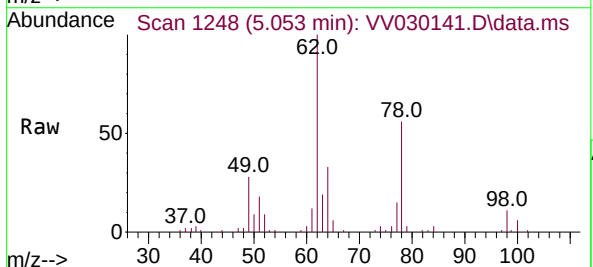
Acq: 03 Mar 2023 17:06

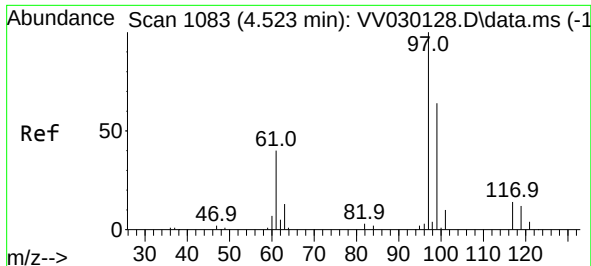
Tgt Ion: 62 Resp: 50791

Ion Ratio Lower Upper

62 100

98 11.3 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.558 ug/L

RT: 4.526 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

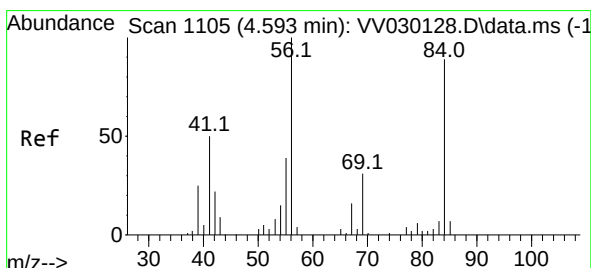
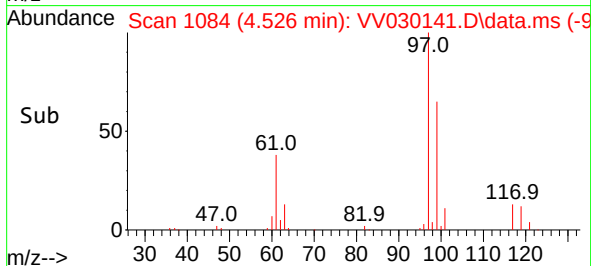
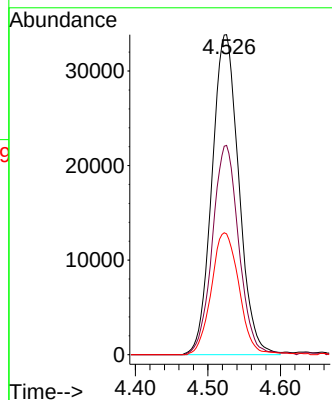
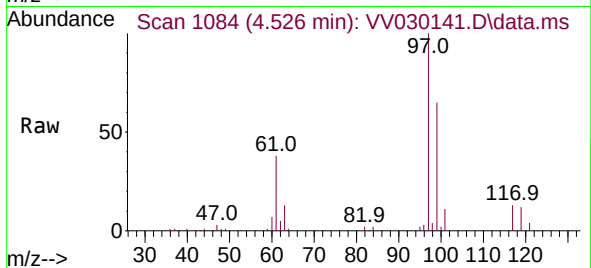
Tgt Ion: 97 Resp: 87098

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 39.2 31.5 47.3



#30

Cyclohexane

Concen: 4.771 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

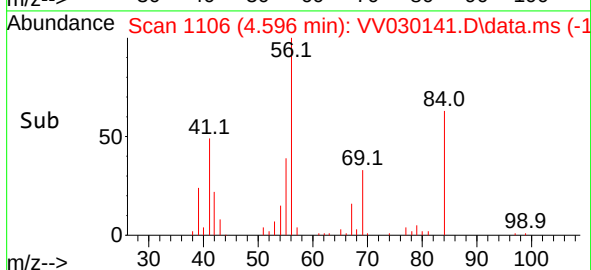
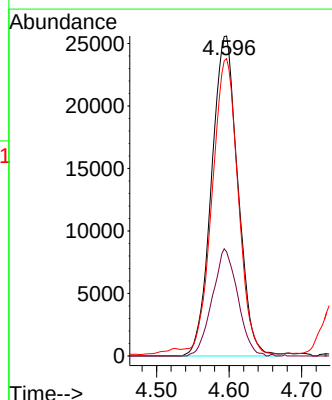
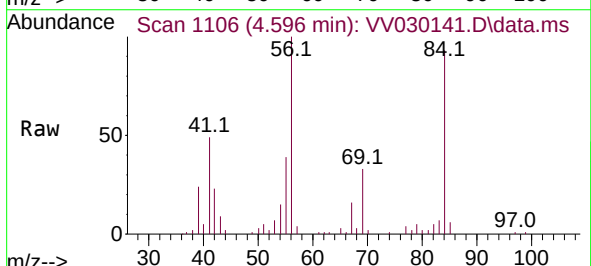
Tgt Ion: 56 Resp: 64593

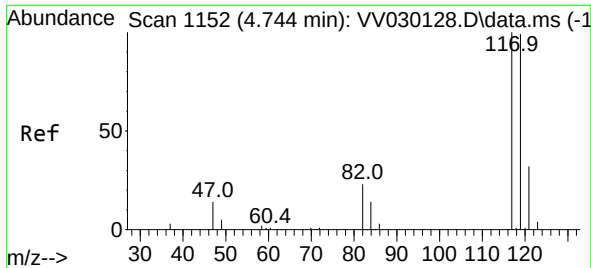
Ion Ratio Lower Upper

56 100

69 32.3 25.1 37.7

84 90.7 74.6 111.8

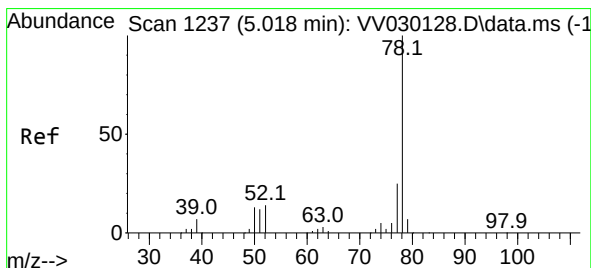
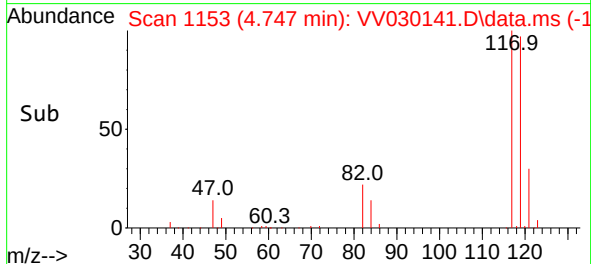
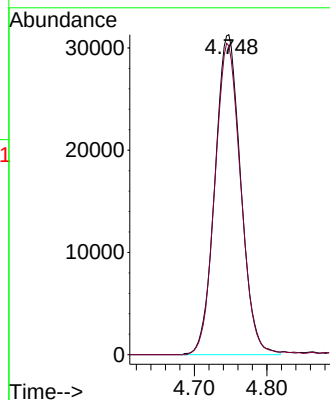
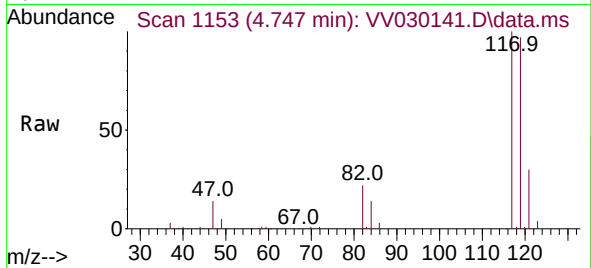




#31
Carbon tetrachloride
Concen: 5.490 ug/L
RT: 4.747 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

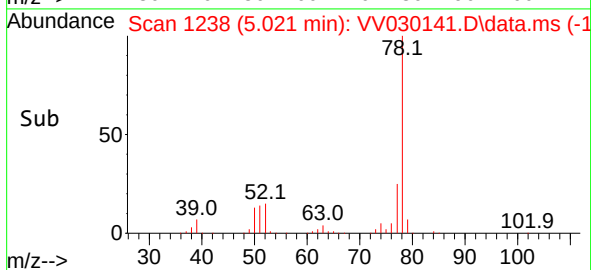
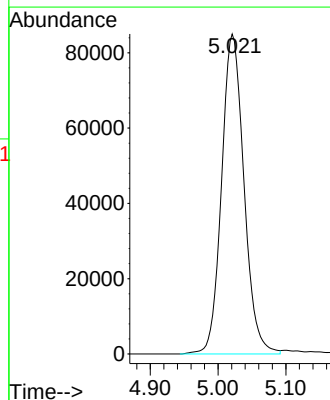
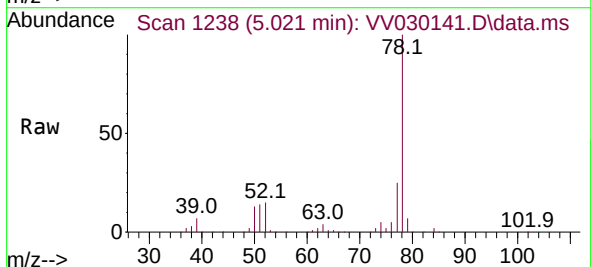
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

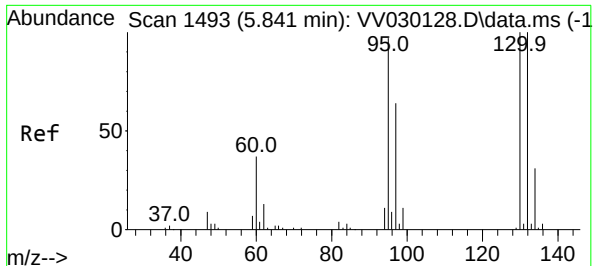
Tgt Ion:117 Resp: 77315
Ion Ratio Lower Upper
117 100
119 97.6 76.1 114.1



#33
Benzene
Concen: 5.357 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 78 Resp: 195158





#34

Trichloroethene

Concen: 5.128 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

Tgt Ion: 95 Resp: 52350

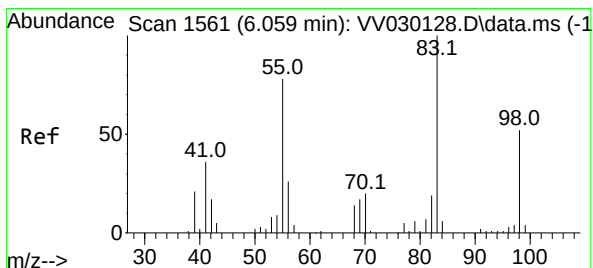
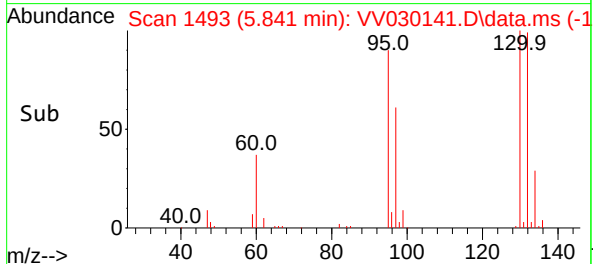
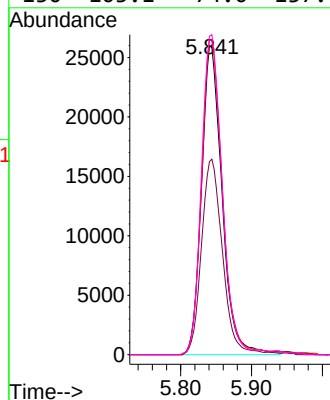
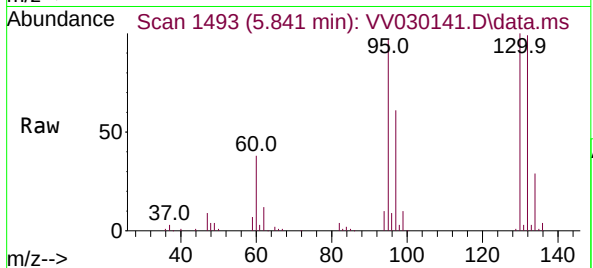
Ion Ratio Lower Upper

95 100

97 62.5 46.5 86.5

132 102.0 71.7 133.3

130 103.1 74.0 137.4



#35

Methylcyclohexane

Concen: 4.816 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

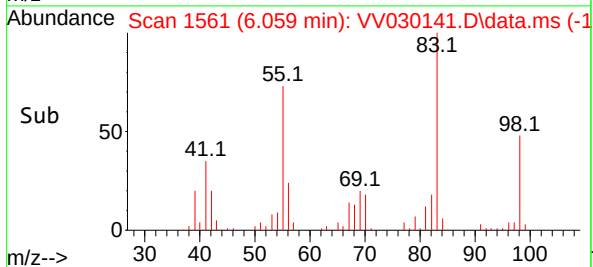
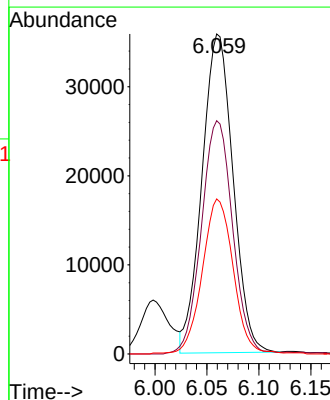
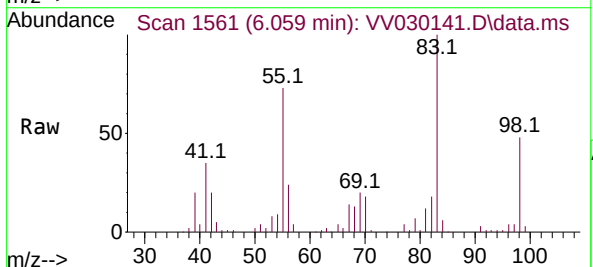
Tgt Ion: 83 Resp: 74402

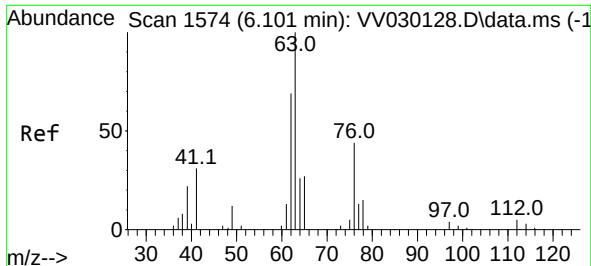
Ion Ratio Lower Upper

83 100

55 73.6 57.6 86.4

98 48.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 5.504 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

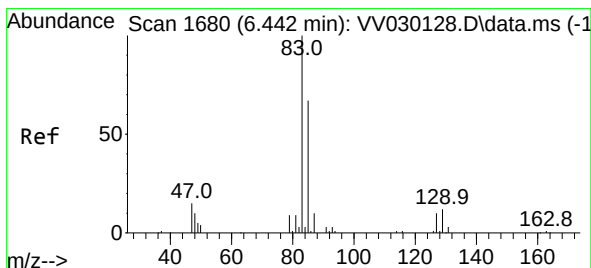
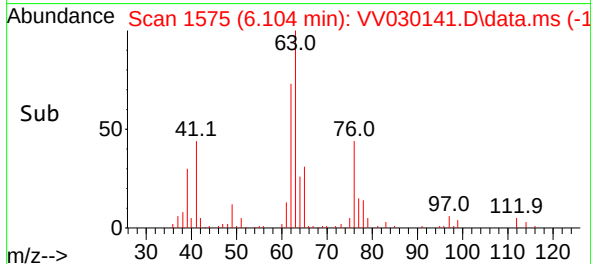
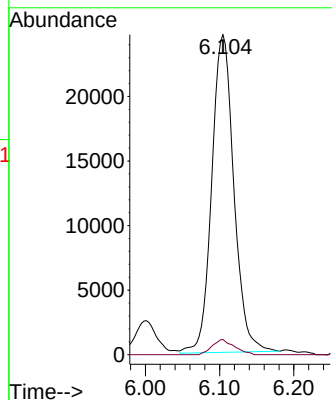
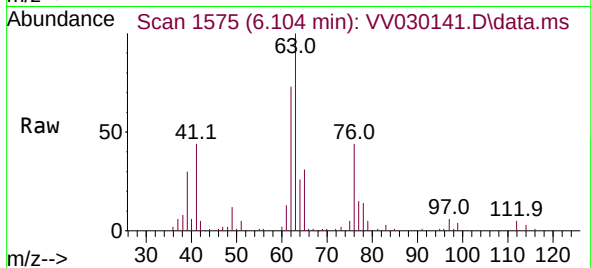
VSTD005293

Tgt Ion: 63 Resp: 51009

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 5.707 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

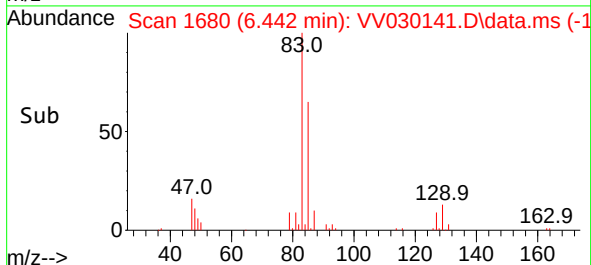
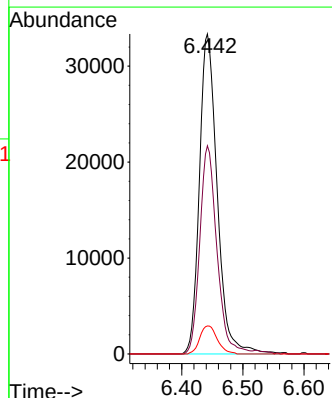
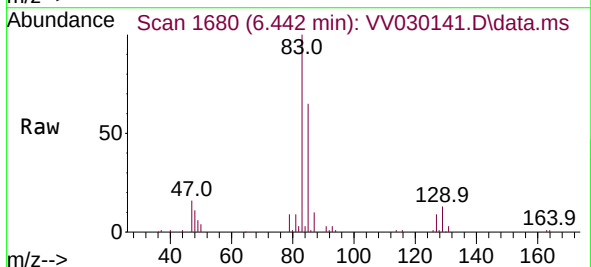
Tgt Ion: 83 Resp: 67524

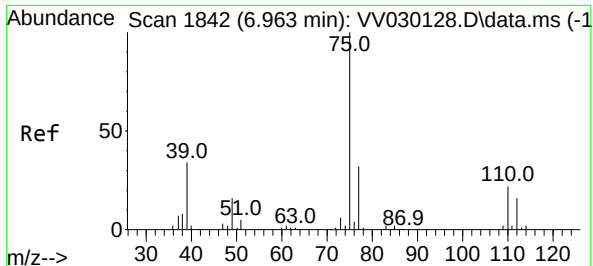
Ion Ratio Lower Upper

83 100

85 65.0 44.3 82.3

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.055 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

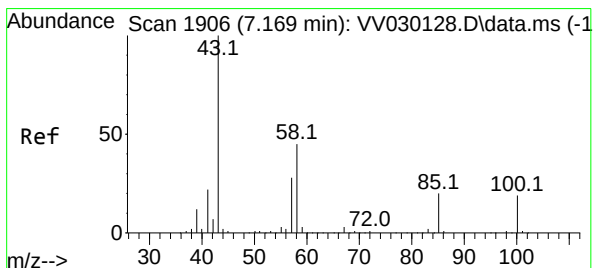
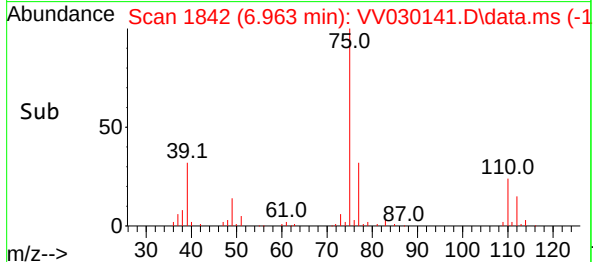
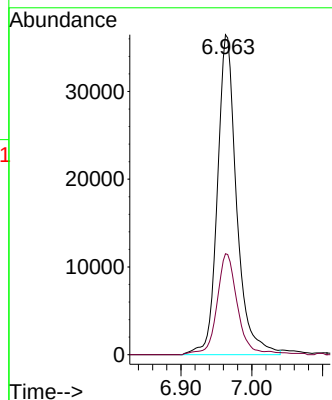
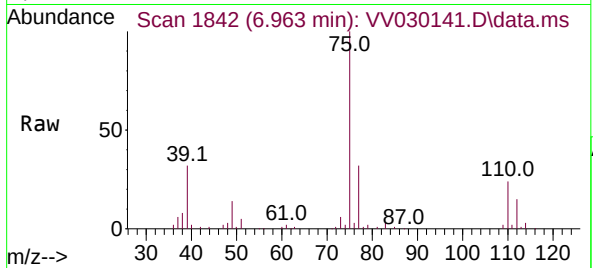
VSTD005293

Tgt Ion: 75 Resp: 68585

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 55.397 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

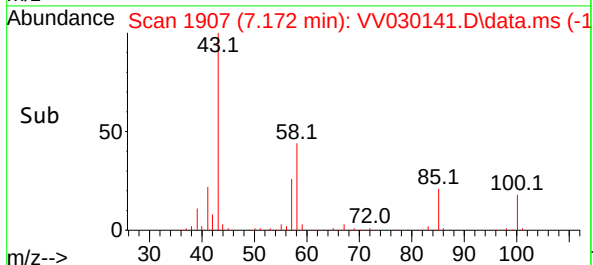
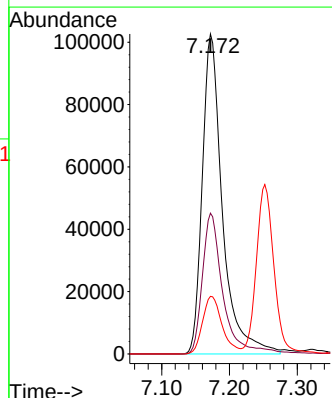
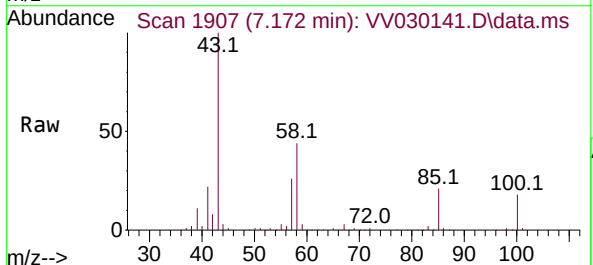
Tgt Ion: 43 Resp: 211860

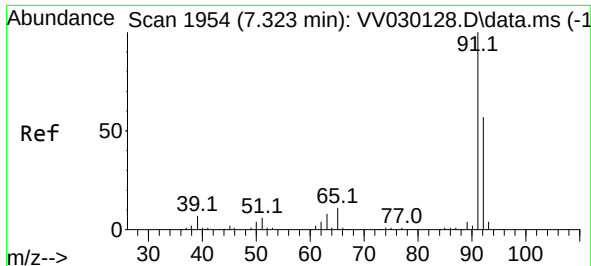
Ion Ratio Lower Upper

43 100

58 45.0 35.3 52.9

100 17.6 14.7 22.1





#42

Toluene

Concen: 5.489 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

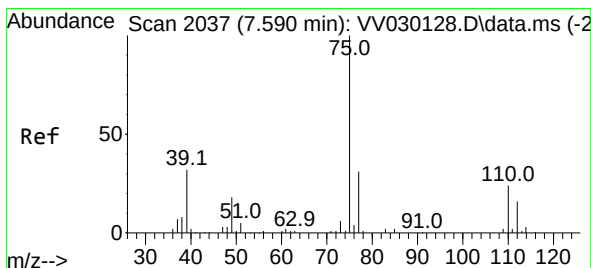
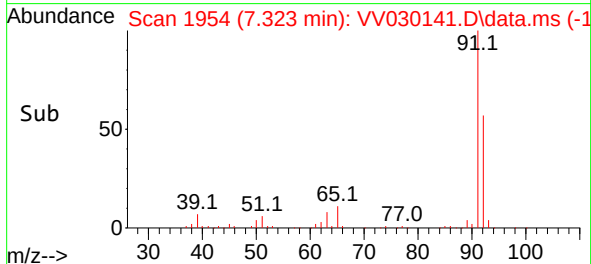
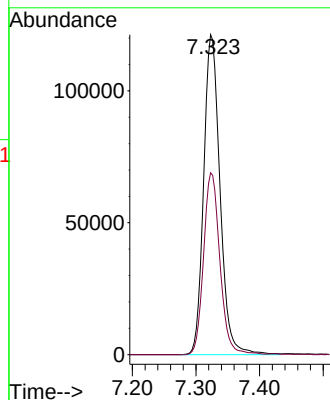
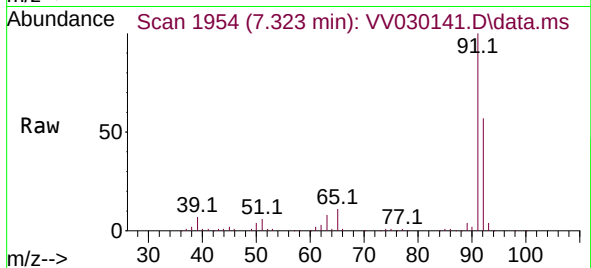
VSTD005293

Tgt Ion: 91 Resp: 216595

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.435 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030141.D

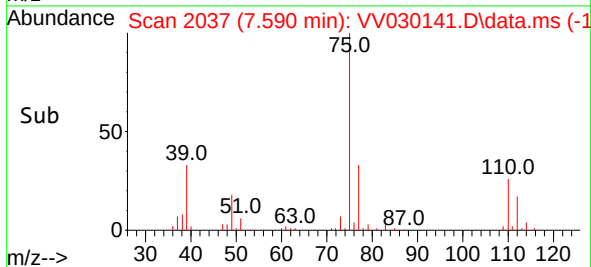
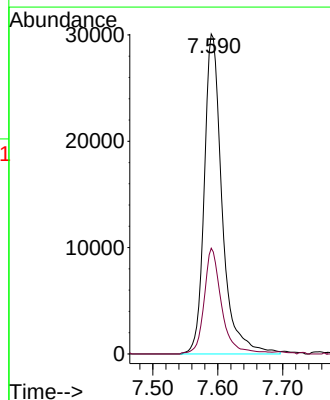
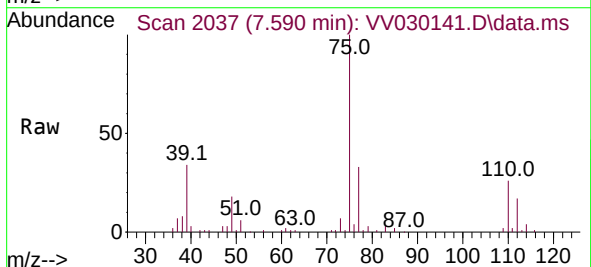
Acq: 03 Mar 2023 17:06

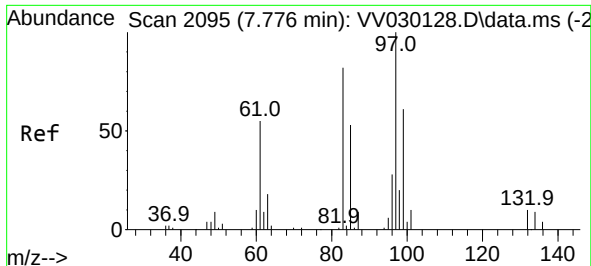
Tgt Ion: 75 Resp: 57558

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1

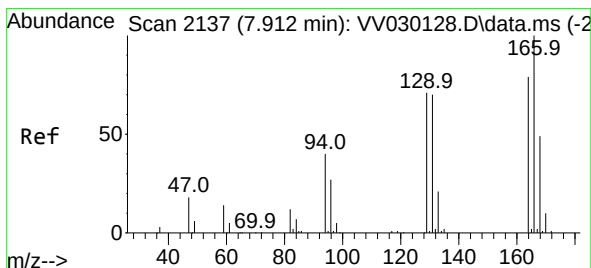
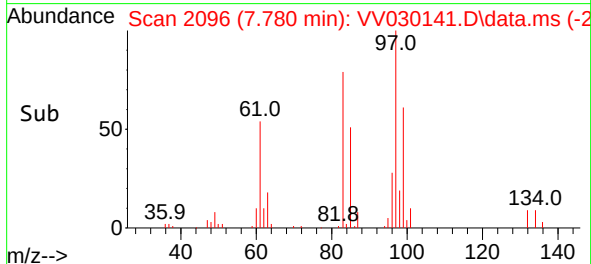
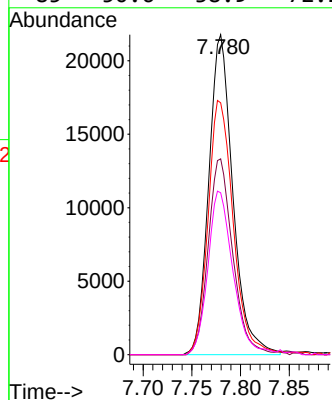
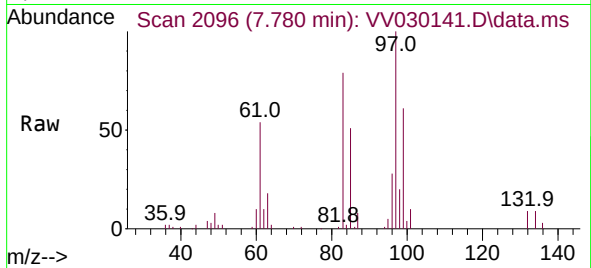




#45
1,1,2-Trichloroethane
Concen: 5.652 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

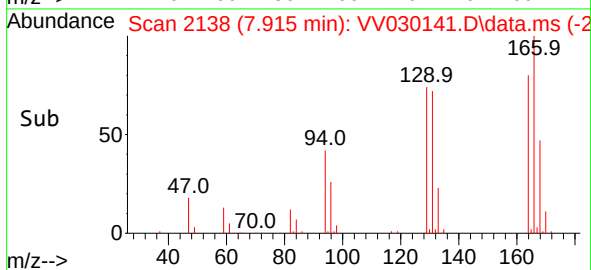
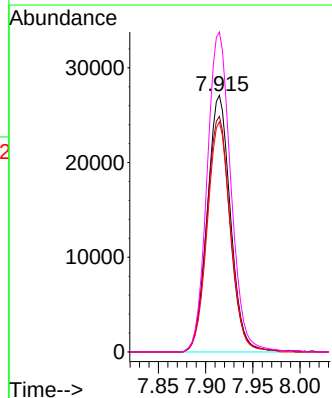
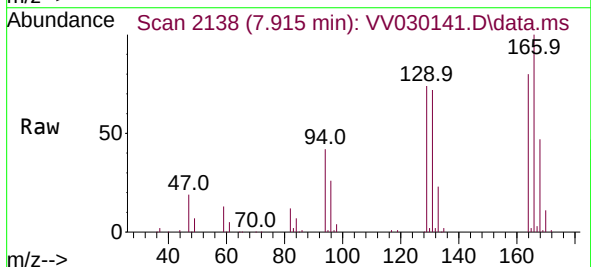
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

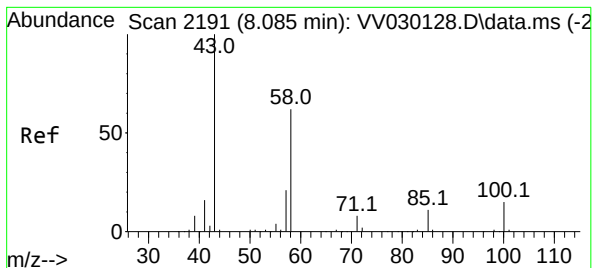
Tgt Ion: 97	Resp: 37479
Ion Ratio	Lower Upper
97 100	
99 61.2	42.6 79.2
83 78.7	57.7 107.3
85 50.6	38.9 72.2



#47
Tetrachloroethene
Concen: 5.271 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 164	Resp: 46183
Ion Ratio	Lower Upper
164 100	
129 91.8	63.6 118.2
131 89.7	61.7 114.7
166 124.7	90.8 168.6





#48

2-Hexanone

Concen: 58.293 ug/L

RT: 8.088 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

Tgt Ion: 43 Resp: 159598

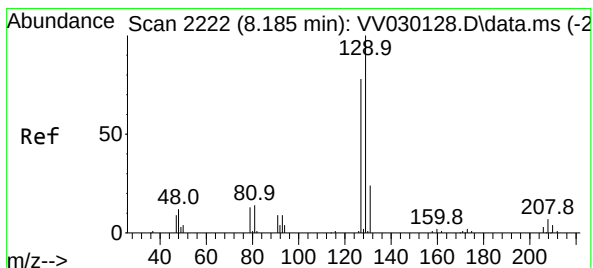
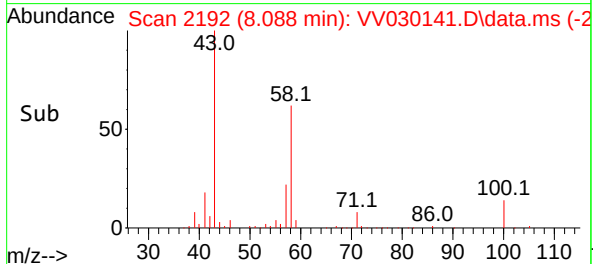
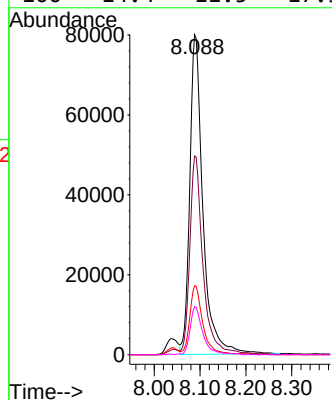
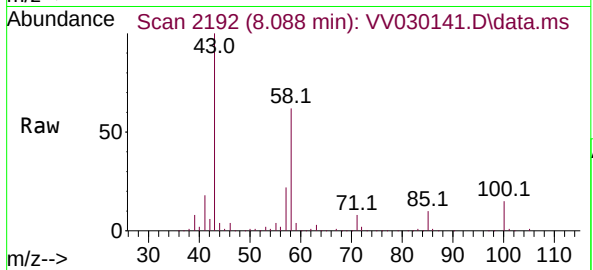
Ion Ratio Lower Upper

43 100

58 61.3 49.8 74.8

57 20.7 16.6 24.8

100 14.4 11.5 17.3



#49

Dibromochloromethane

Concen: 5.727 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. -0.000 min

Lab File: VV030141.D

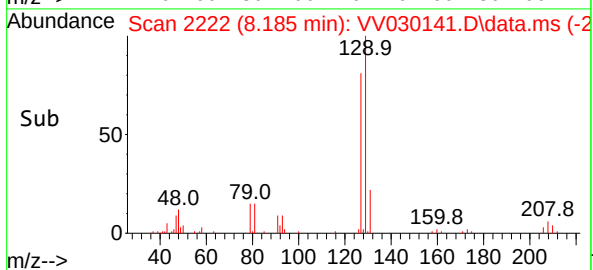
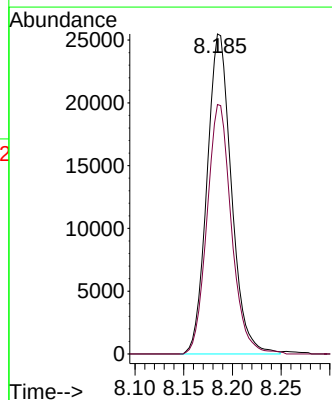
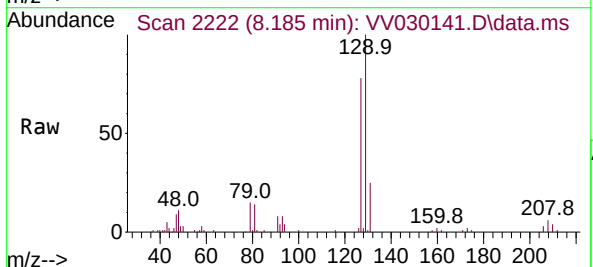
Acq: 03 Mar 2023 17:06

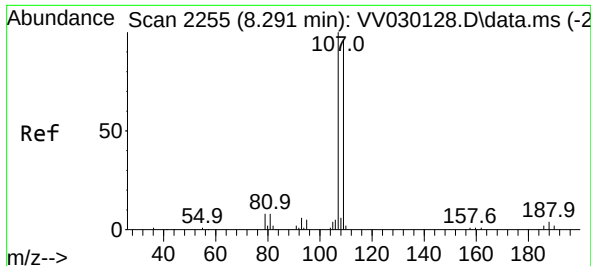
Tgt Ion:129 Resp: 44439

Ion Ratio Lower Upper

129 100

127 78.0 54.7 101.5





#50

1,2-Dibromoethane

Concen: 5.618 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

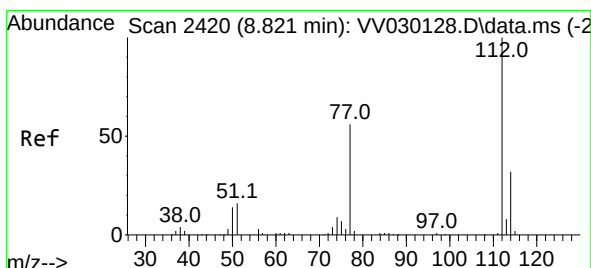
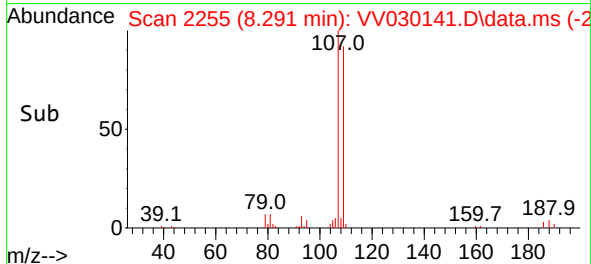
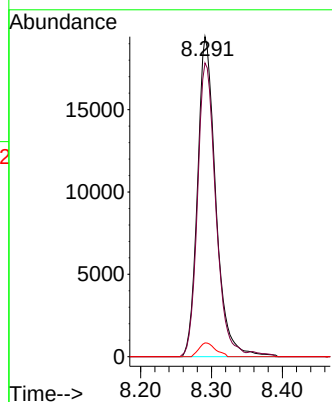
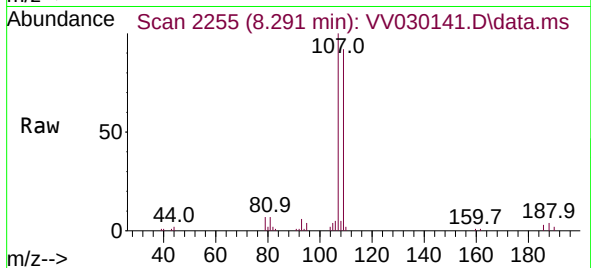
Tgt Ion:107 Resp: 34761

Ion Ratio Lower Upper

107 100

109 91.8 63.3 117.7

188 4.3 3.0 4.6



#51

Chlorobenzene

Concen: 5.283 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

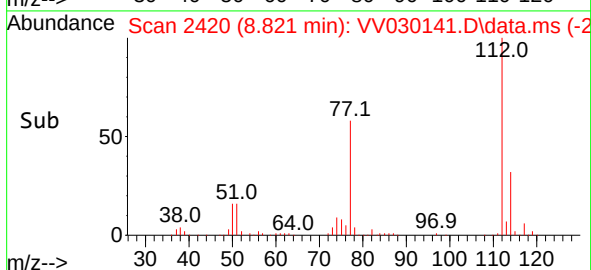
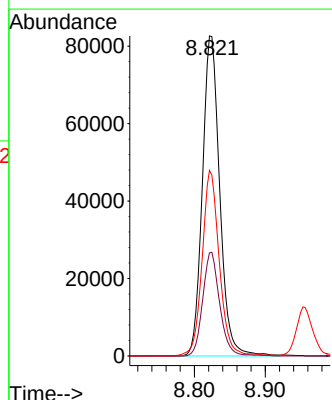
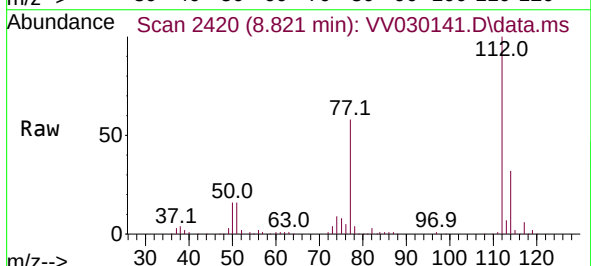
Tgt Ion:112 Resp: 140573

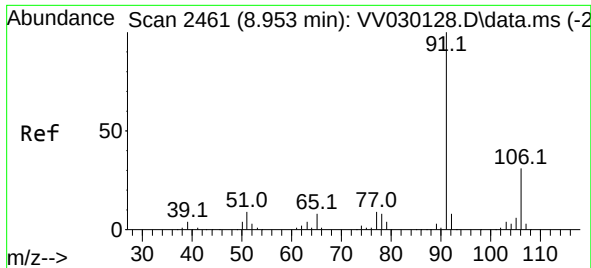
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 58.0 45.3 67.9





#52

Ethylbenzene

Concen: 5.150 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

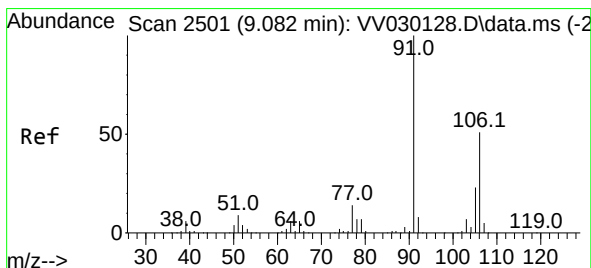
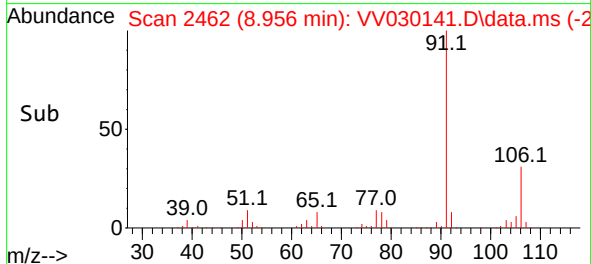
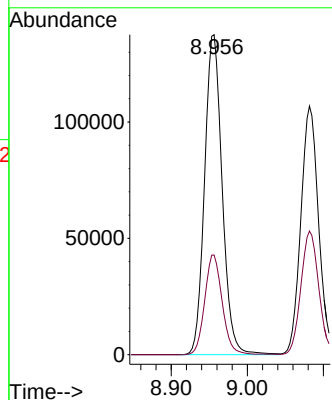
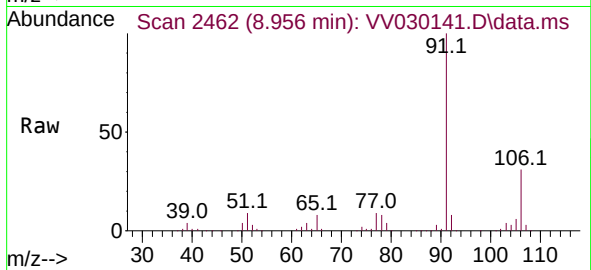
VSTD005293

Tgt Ion: 91 Resp: 221129

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 5.277 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030141.D

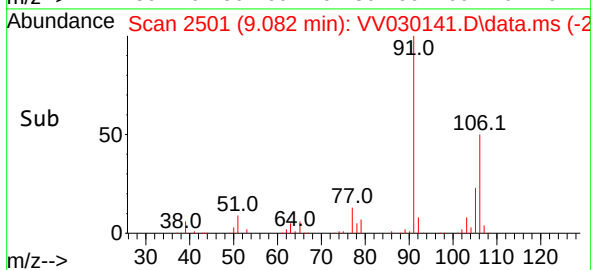
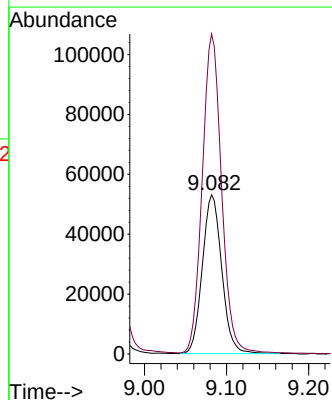
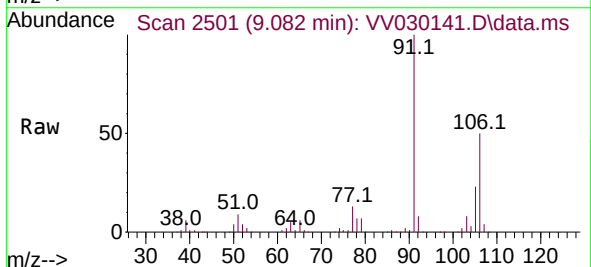
Acq: 03 Mar 2023 17:06

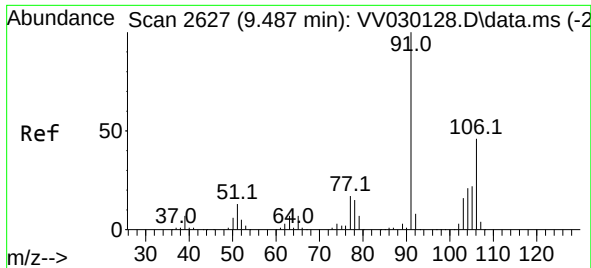
Tgt Ion: 106 Resp: 87094

Ion Ratio Lower Upper

106 100

91 200.9 142.5 264.7

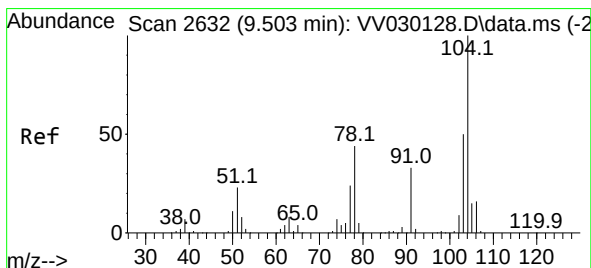
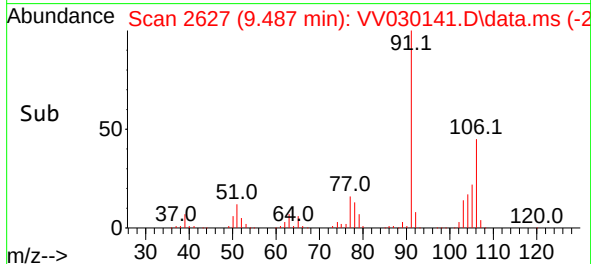
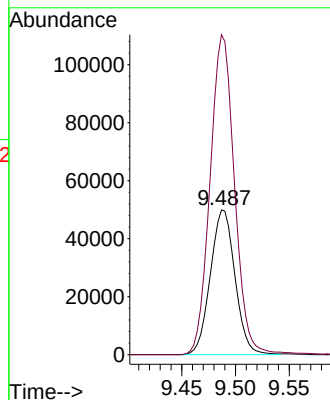
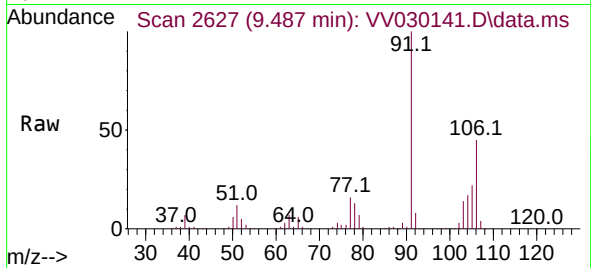




#54
o-Xylene
Concen: 5.050 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

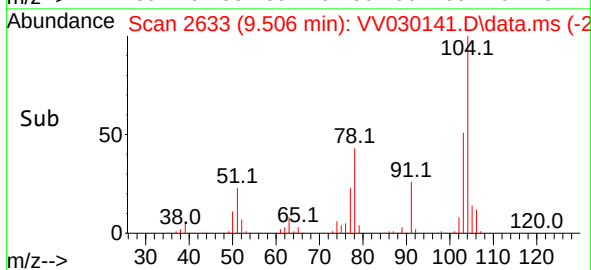
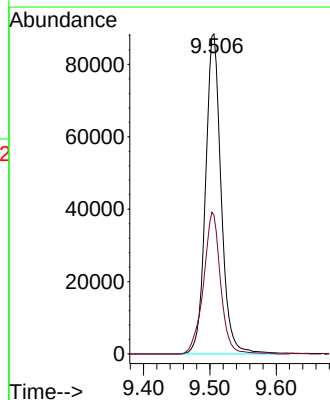
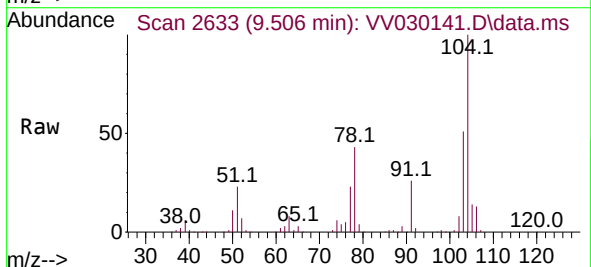
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

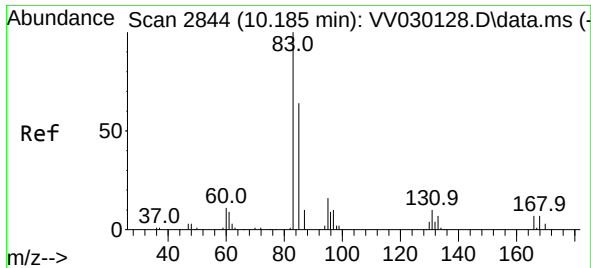
Tgt Ion:106 Resp: 79606
Ion Ratio Lower Upper
106 100
91 220.9 148.8 276.4



#55
Styrene
Concen: 5.528 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion:104 Resp: 144909
Ion Ratio Lower Upper
104 100
78 43.4 31.1 57.9

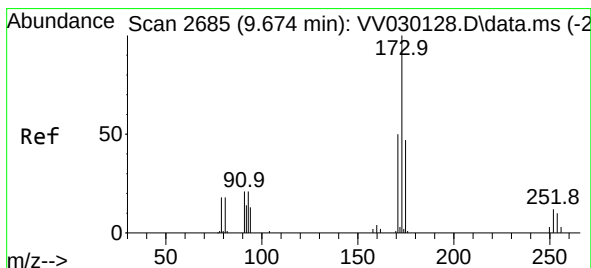
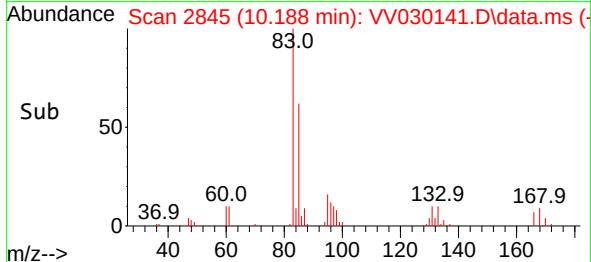
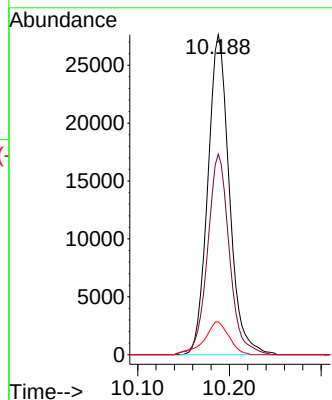
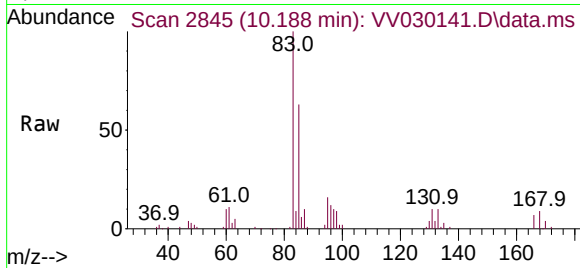




#57
1,1,2,2-Tetrachloroethane
Concen: 6.071 ug/L
RT: 10.188 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

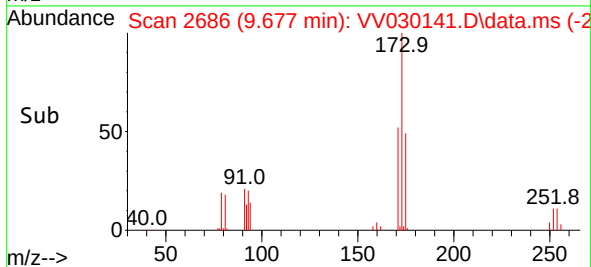
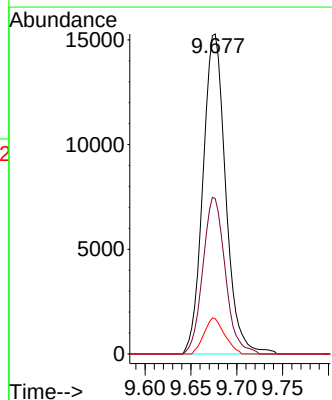
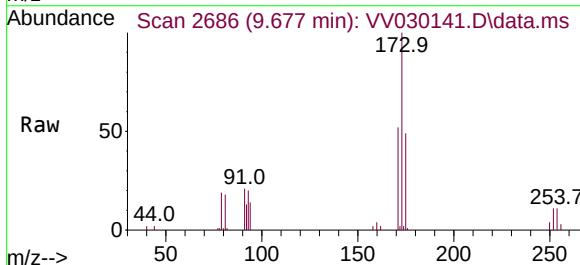
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

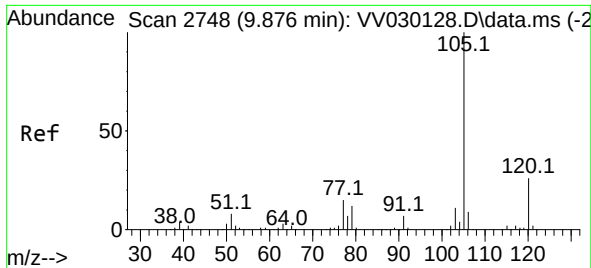
Tgt Ion: 83 Resp: 45033
Ion Ratio Lower Upper
83 100
85 62.7 45.0 83.6
131 10.3 8.2 12.4



#59
Bromoform
Concen: 5.474 ug/L
RT: 9.677 min Scan# 2686
Delta R.T. 0.003 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 173 Resp: 26353
Ion Ratio Lower Upper
173 100
175 48.3 38.5 57.7
254 10.1 8.6 13.0

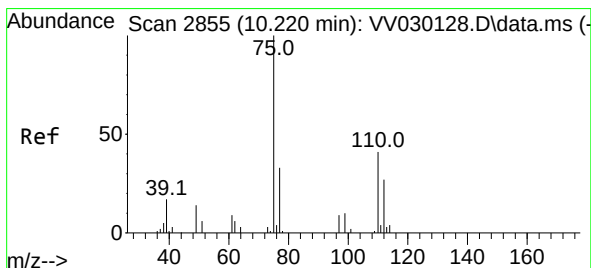
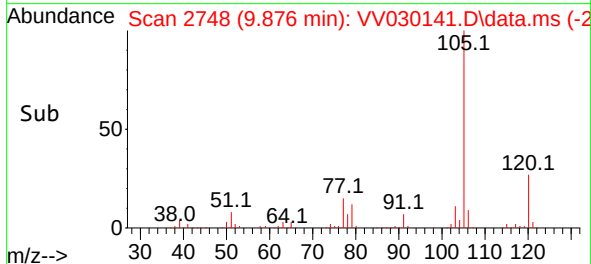
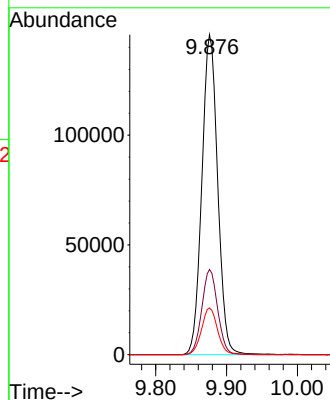
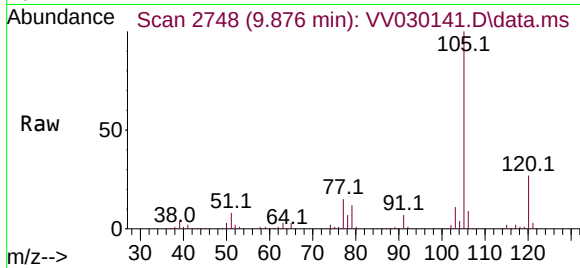




#60
Isopropylbenzene
Concen: 4.889 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

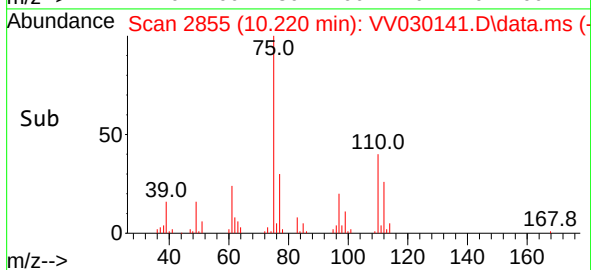
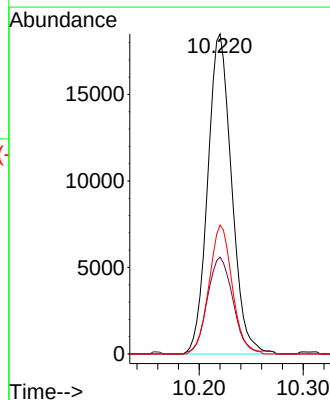
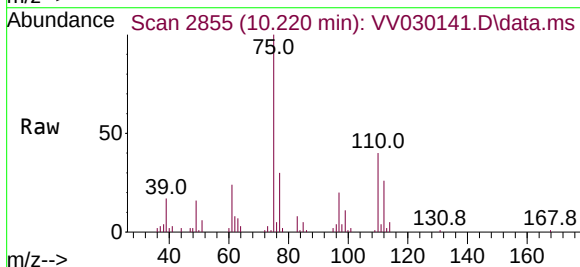
Instrument :
MSVOA_V
ClientSampleId :
VSTD005293

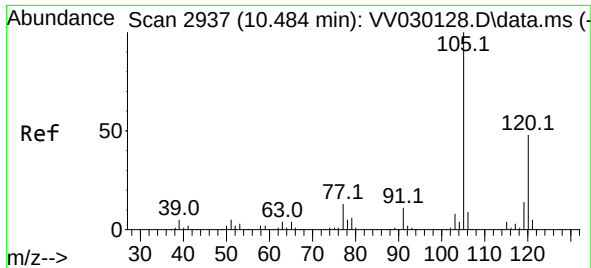
Tgt Ion:105 Resp: 225930
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 14.9 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.500 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030141.D
Acq: 03 Mar 2023 17:06

Tgt Ion: 75 Resp: 29568
Ion Ratio Lower Upper
75 100
77 32.4 26.5 39.7
110 39.0 31.8 47.6

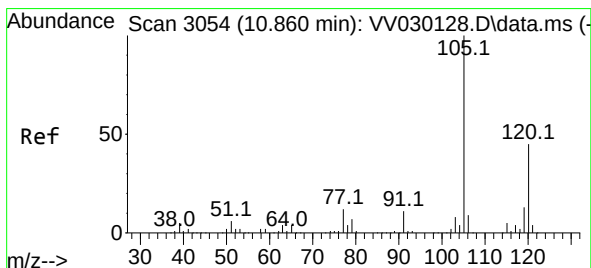
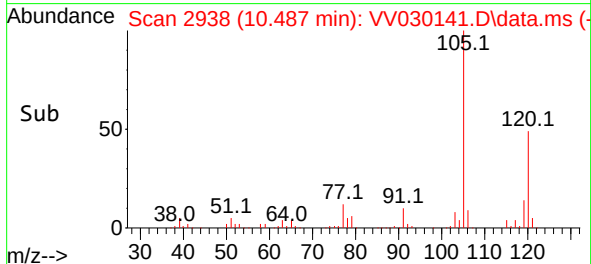
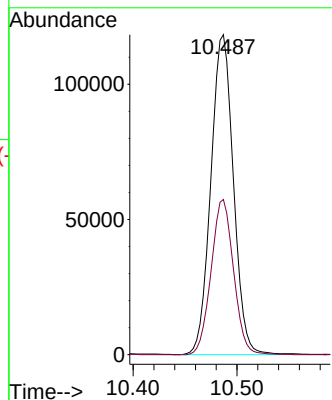
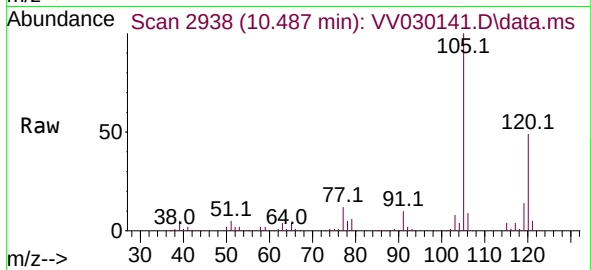




#62
 1,3,5-Trimethylbenzene
 Concen: 4.707 ug/L
 RT: 10.487 min Scan# 2937
 Delta R.T. 0.003 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

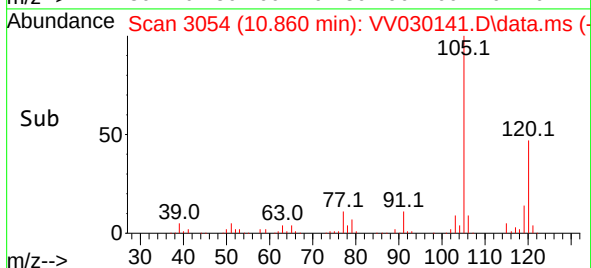
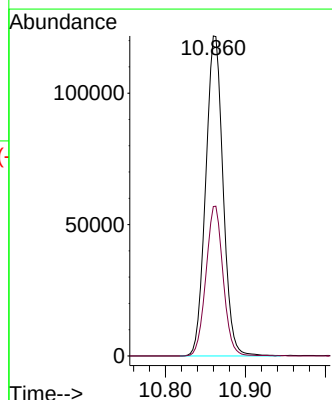
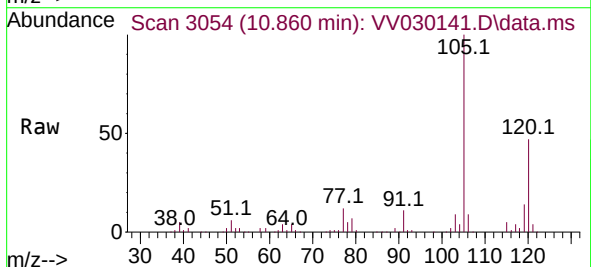
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005293

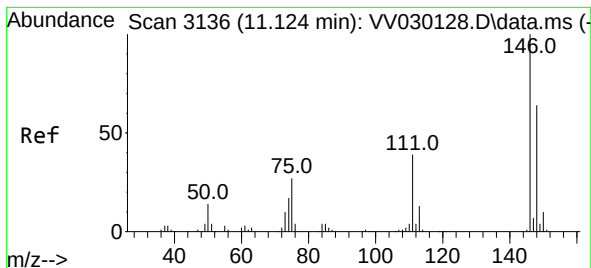
Tgt Ion:105 Resp: 178685
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.749 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030141.D
 Acq: 03 Mar 2023 17:06

Tgt Ion:105 Resp: 184443
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 5.122 ug/L

RT: 11.127 min Scan# 3136

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

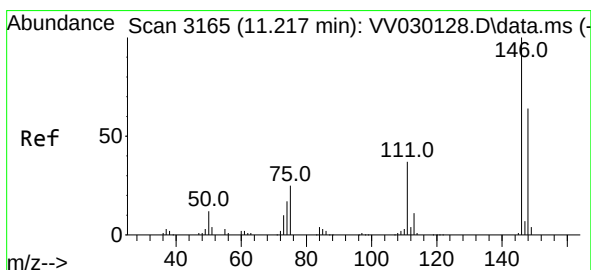
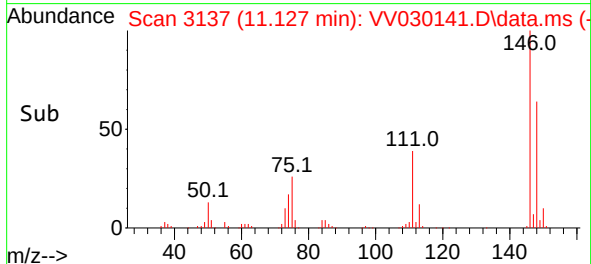
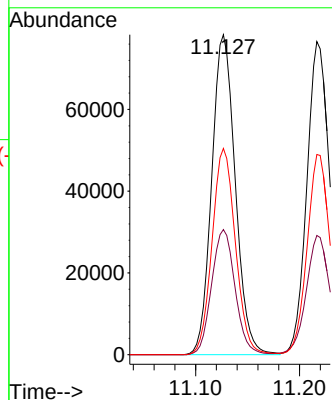
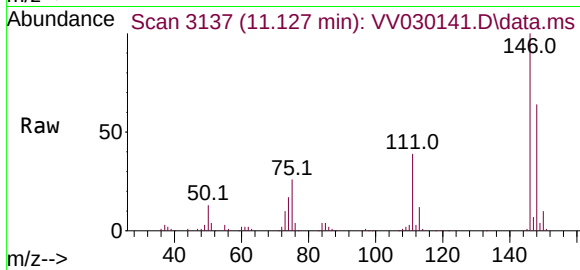
Tgt Ion:146 Resp: 123245

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

148 64.4 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

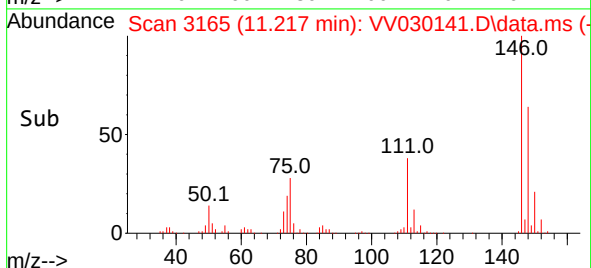
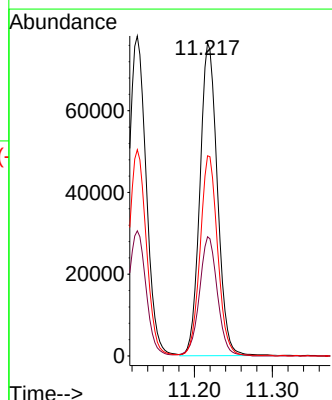
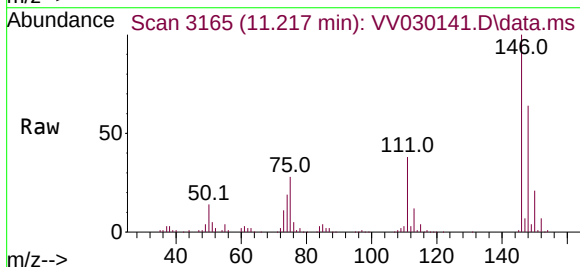
Tgt Ion:146 Resp: 119339

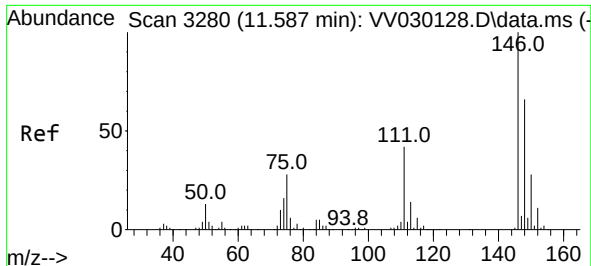
Ion Ratio Lower Upper

146 100

111 38.1 27.4 51.0

148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.106 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

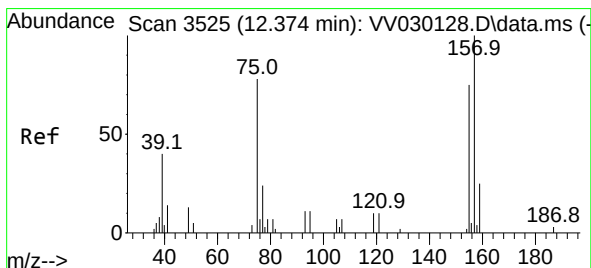
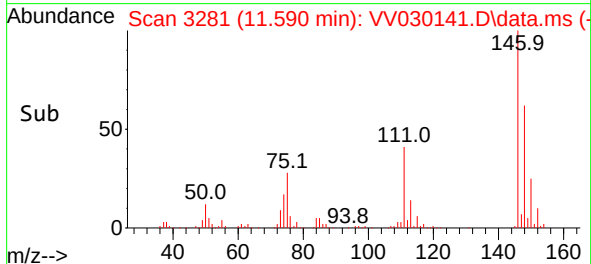
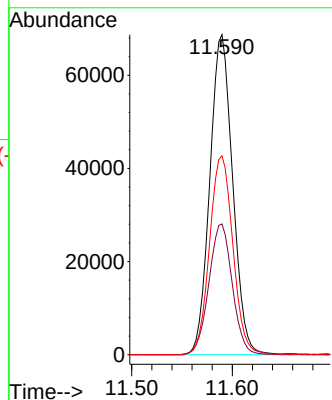
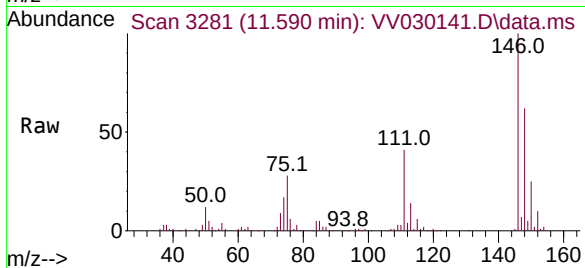
Tgt Ion:146 Resp: 108488

Ion Ratio Lower Upper

146 100

111 40.9 33.5 50.3

148 62.2 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.072 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

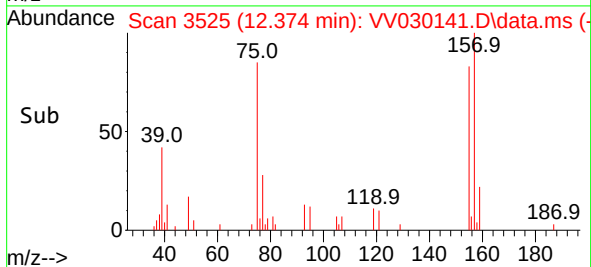
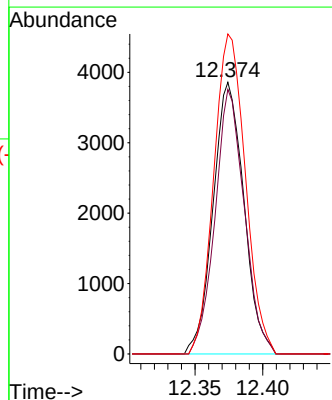
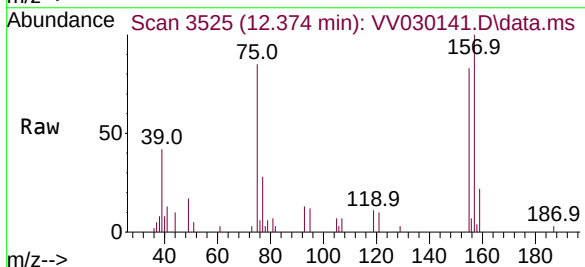
Tgt Ion: 75 Resp: 6090

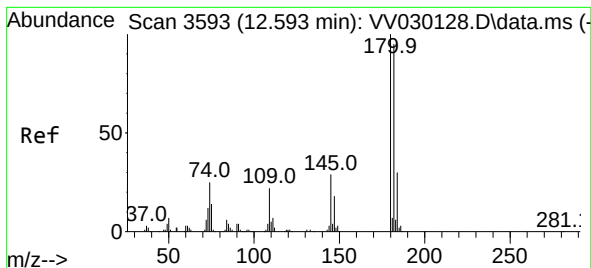
Ion Ratio Lower Upper

75 100

155 97.4 79.1 118.7

157 117.8 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.656 ug/L

RT: 12.593 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030141.D

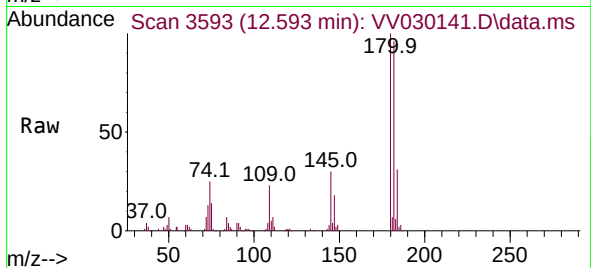
Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293



Tgt Ion:180 Resp: 92112

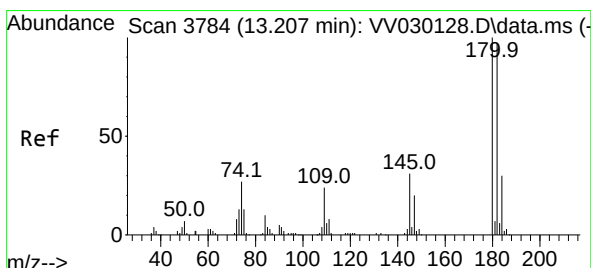
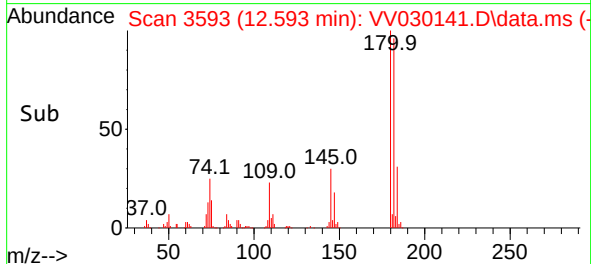
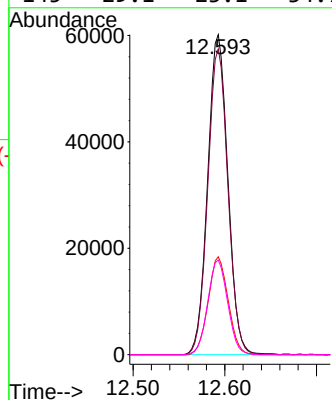
Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

184 30.3 24.3 36.5

145 29.1 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.451 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

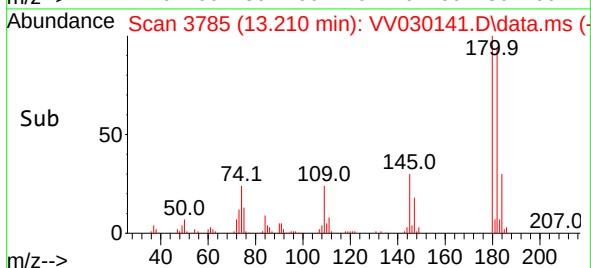
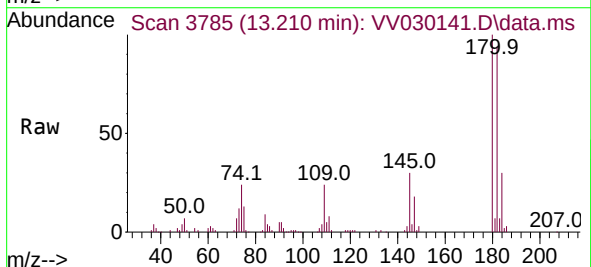
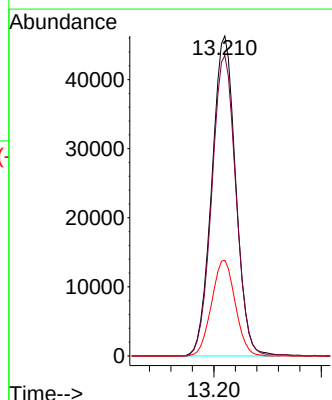
Tgt Ion:180 Resp: 71338

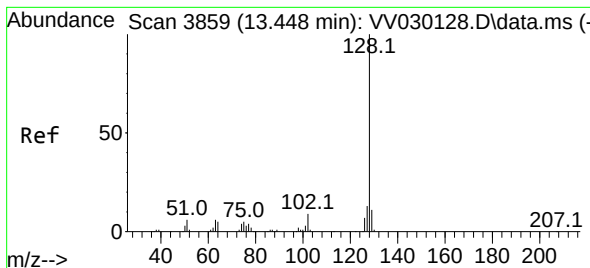
Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

145 29.6 23.1 34.7





#71

Naphthalene

Concen: 4.328 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005293

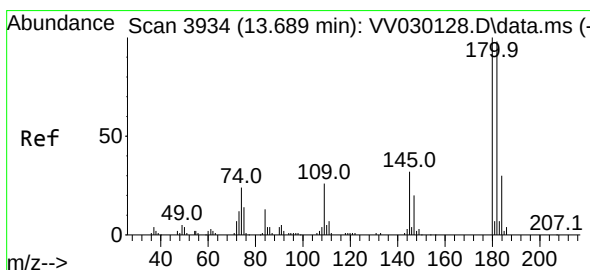
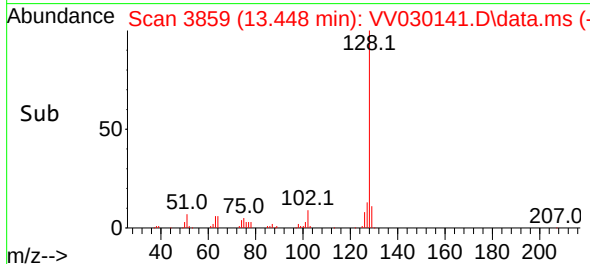
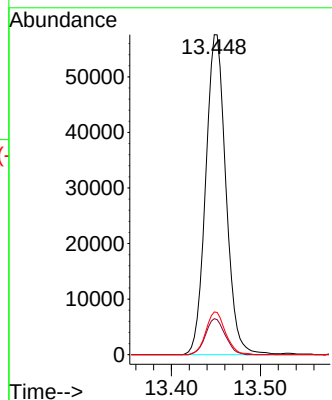
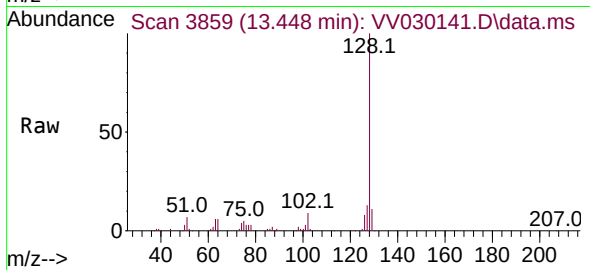
Tgt Ion:128 Resp: 90638

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.628 ug/L

RT: 13.692 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030141.D

Acq: 03 Mar 2023 17:06

Tgt Ion:180 Resp: 61053

Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.2

145 30.9 25.1 37.7

