

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012423\
 Data File : VW029923.D
 Acq On : 24 Jan 2023 15:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005390

Quant Time: Jan 25 00:41:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 24 01:33:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	187097	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	184861	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	115927	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	61931	4.364	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.200%	
7) Chloroethane-d5	1.564	69	61918	5.263	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	105.200%	
11) 1,1-Dichloroethene-d2	2.105	63	122894	4.750	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.000%	
20) 2-Butanone-d5	3.883	46	157020	62.427	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	124.860%	
24) Chloroform-d	4.333	84	130534	5.014	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.200%	
26) 1,2-Dichloroethane-d4	5.018	65	54853	4.975	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.600%	
32) Benzene-d6	5.037	84	244729	4.463	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.200%	
36) 1,2-Dichloropropane-d6	6.056	67	81112	5.054	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.000%	
41) Toluene-d8	7.304	98	212868	4.193	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.800%	
43) trans-1,3-Dichloroprop...	7.612	79	24859	4.241	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.800%	
46) 2-Hexanone-d5	8.082	63	134170	56.228	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.460%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	65391	5.560	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	111.200%	
66) 1,2-Dichlorobenzene-d4	11.612	152	83460	3.960	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	79.200%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	82932	4.763	ug/L	99
3) Chloromethane	1.240	50	91647	5.001	ug/L	99
5) Vinyl chloride	1.307	62	101845	5.667	ug/L	100
6) Bromomethane	1.519	94	40910	4.676	ug/L	97
8) Chloroethane	1.581	64	66218	6.073	ug/L	98
9) Trichlorofluoromethane	1.748	101	122756	5.215	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	75590	5.451	ug/L	94
12) 1,1-Dichloroethene	2.114	96	73738	4.616	ug/L	91
13) Acetone	2.175	43	112429	62.626	ug/L	94
14) Carbon disulfide	2.288	76	215347	4.682	ug/L	100
15) Methyl Acetate	2.433	43	23176	4.957	ug/L	96
16) Methylene chloride	2.497	84	86047	4.336	ug/L	90
17) Methyl tert-butyl Ether	2.761	73	140305	5.079	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	75604	5.091	ug/L	92
19) 1,1-Dichloroethane	3.179	63	140547	5.657	ug/L	98
21) 2-Butanone	3.966	43	148699	57.818	ug/L	100
22) cis-1,2-Dichloroethene	3.896	96	78809	4.980	ug/L	87
23) Bromochloromethane	4.233	128	32757	5.013	ug/L	82
25) Chloroform	4.359	83	138023	5.111	ug/L	96

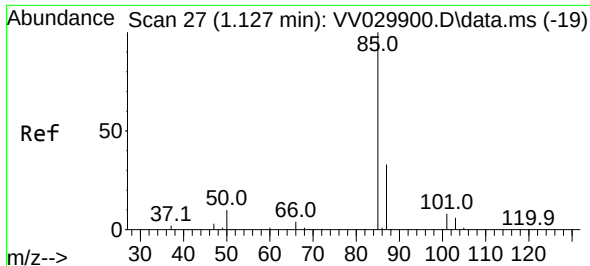
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Quant Time: Jan 25 00:41:01 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	71216	5.428	ug/L	98
29) 1,1,1-Trichloroethane	4.593	97	115647	4.818	ug/L	97
30) Cyclohexane	4.664	56	116715	5.136	ug/L	94
31) Carbon tetrachloride	4.815	117	97550	4.670	ug/L	100
33) Benzene	5.085	78	315677	5.165	ug/L	100
34) Trichloroethene	5.902	95	77156	4.981	ug/L	96
35) Methylcyclohexane	6.121	83	126168	4.825	ug/L	96
37) 1,2-Dichloropropane	6.159	63	76433	5.340	ug/L	99
38) Bromodichloromethane	6.497	83	93278	5.039	ug/L	96
39) cis-1,3-Dichloropropene	7.018	75	92075	4.797	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	347908	56.957	ug/L	95
42) Toluene	7.375	91	332835	5.049	ug/L	99
44) trans-1,3-Dichloropropene	7.638	75	73382	4.744	ug/L	97
45) 1,1,2-Trichloroethane	7.828	97	50660	4.912	ug/L	97
47) Tetrachloroethene	7.963	164	62998	4.831	ug/L	98
48) 2-Hexanone	8.133	43	261442	59.882	ug/L	97
49) Dibromochloromethane	8.233	129	56984	4.708	ug/L	99
50) 1,2-Dibromoethane	8.342	107	44462	4.967	ug/L	97
51) Chlorobenzene	8.870	112	207205	4.950	ug/L	99
52) Ethylbenzene	9.001	91	331854	4.810	ug/L	99
53) m,p-Xylene	9.127	106	129319	4.736	ug/L	99
54) o-Xylene	9.532	106	123479	4.764	ug/L	99
55) Styrene	9.548	104	220807	4.954	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	61891	5.403	ug/L	97
59) Bromoform	9.718	173	29231	3.893	ug/L	98
60) Isopropylbenzene	9.918	105	332118	4.482	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	40792	4.752	ug/L	97
62) 1,3,5-Trimethylbenzene	10.525	105	270142	4.254	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	272969	4.311	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	171070	4.546	ug/L	100
65) 1,4-Dichlorobenzene	11.259	146	169130	4.509	ug/L	99
67) 1,2-Dichlorobenzene	11.628	146	149133	4.409	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.413	75	8481	4.178	ug/L	87
69) 1,3,5-Trichlorobenzene	12.632	180	133145	4.396	ug/L	100
70) 1,2,4-trichlorobenzene	13.246	180	103772	4.385	ug/L	100
71) Naphthalene	13.490	128	134557	4.388	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	86627	4.410	ug/L	99

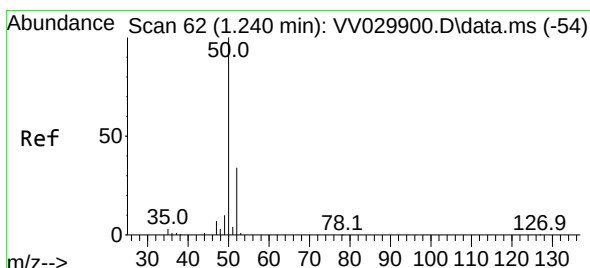
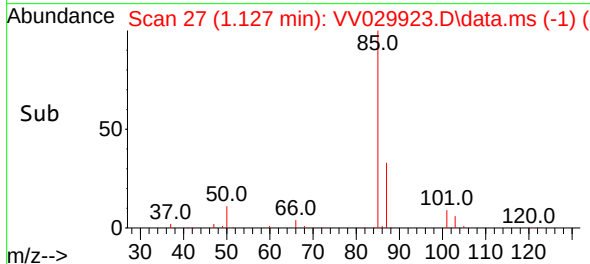
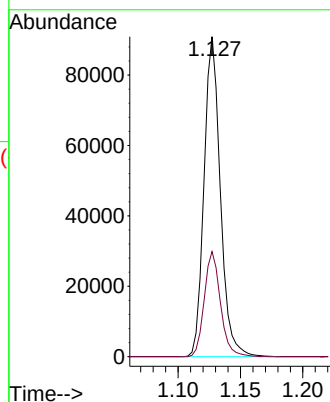
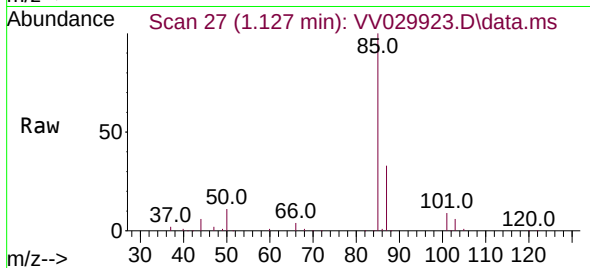
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#2
 Dichlorodifluoromethane
 Concen: 4.763 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
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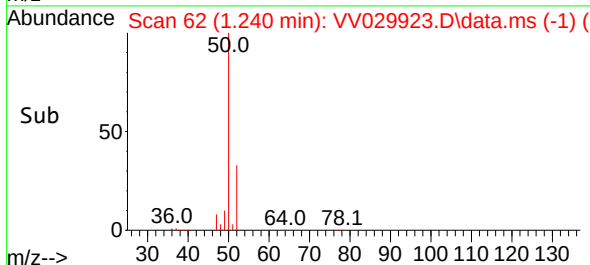
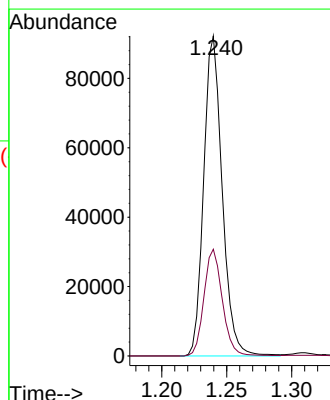
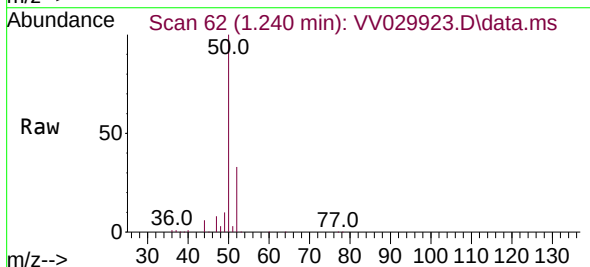
Instrument :
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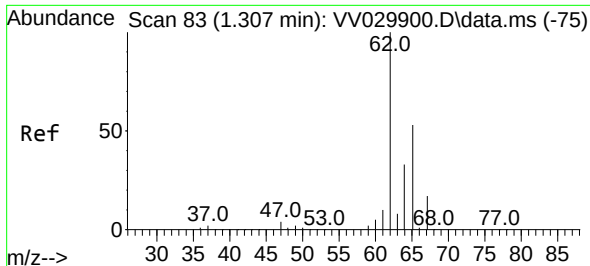
Tgt Ion: 85 Resp: 82932
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.5 39.7



#3
 Chloromethane
 Concen: 5.001 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

Tgt Ion: 50 Resp: 91647
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.1 42.9

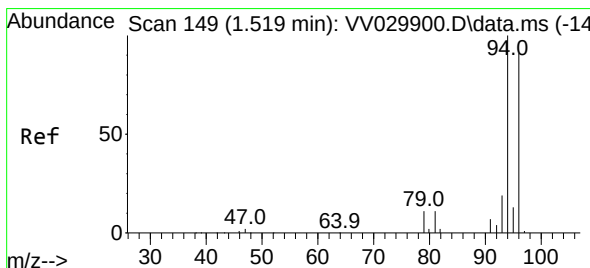
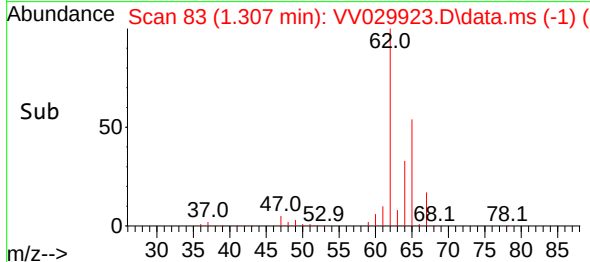
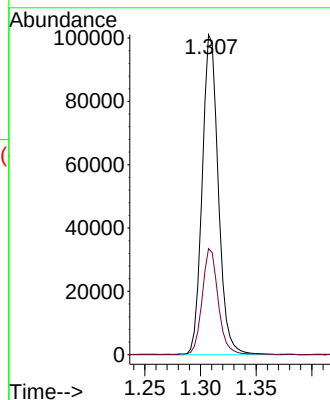
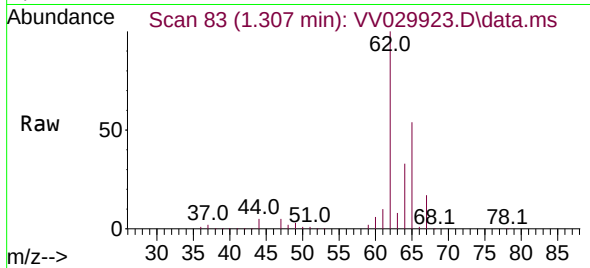




#5
 Vinyl chloride
 Concen: 5.667 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

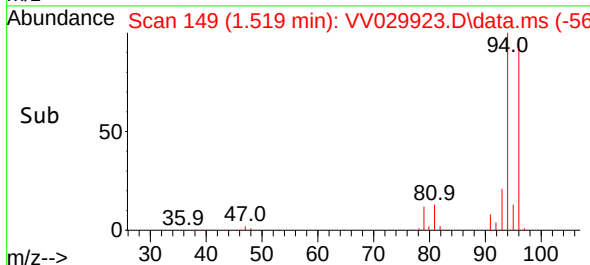
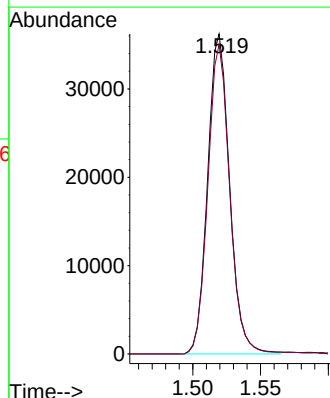
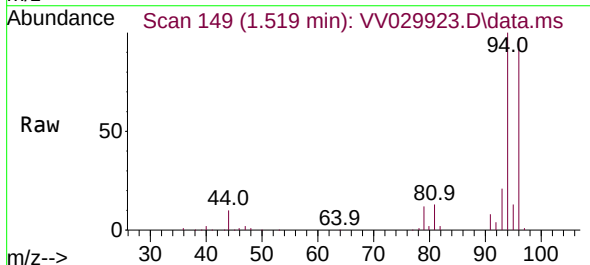
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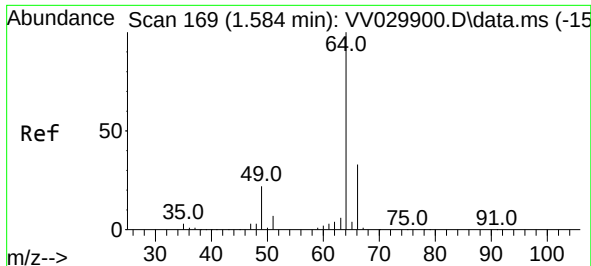
Tgt Ion: 62 Resp: 101845
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.2



#6
 Bromomethane
 Concen: 4.676 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

Tgt Ion: 94 Resp: 40910
 Ion Ratio Lower Upper
 94 100
 96 96.7 65.9 122.5

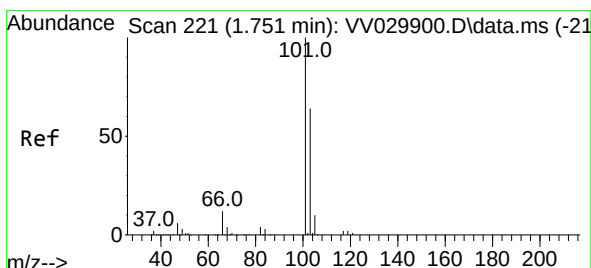
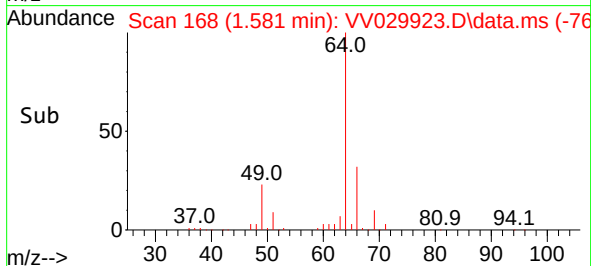
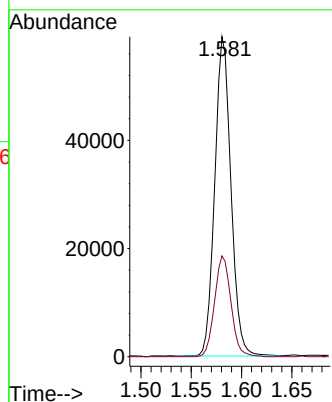
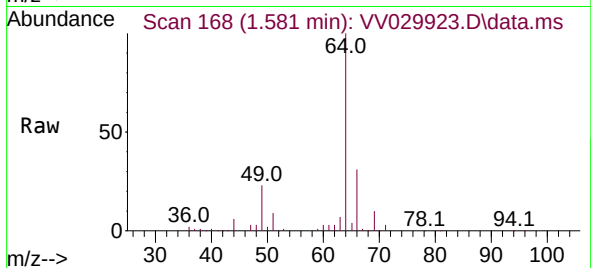




#8
Chloroethane
Concen: 6.073 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

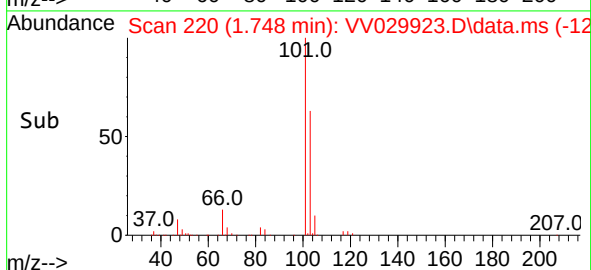
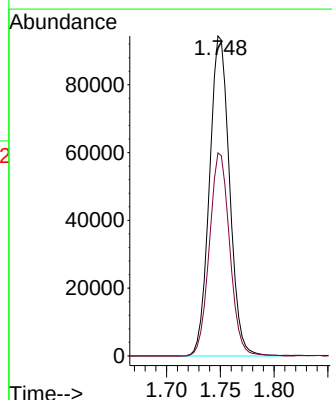
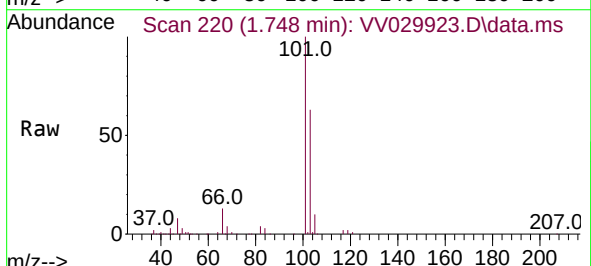
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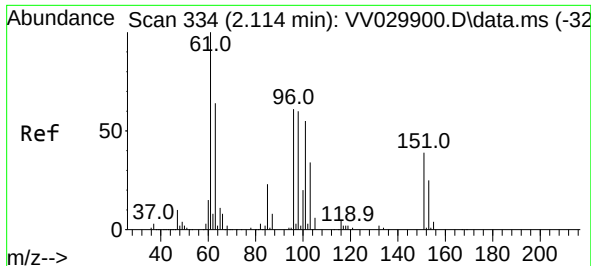
Tgt Ion: 64 Resp: 66218
Ion Ratio Lower Upper
64 100
66 31.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.215 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 101 Resp: 122756
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8

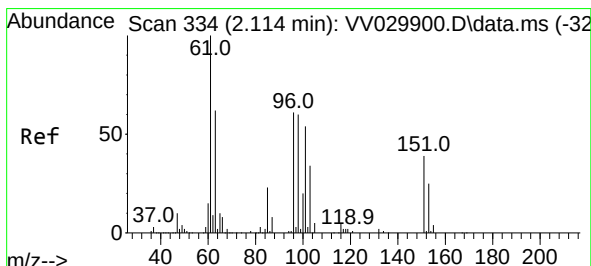
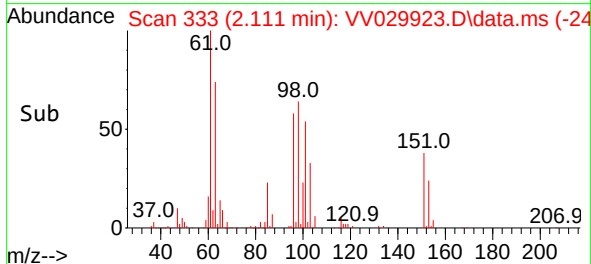
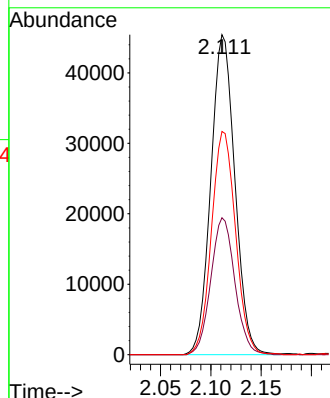
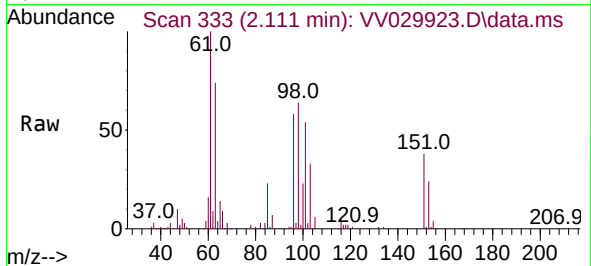




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.451 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

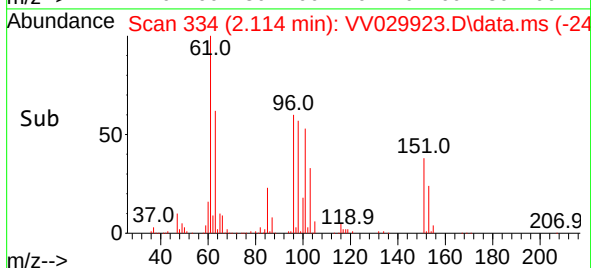
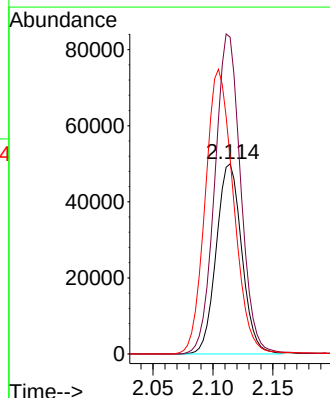
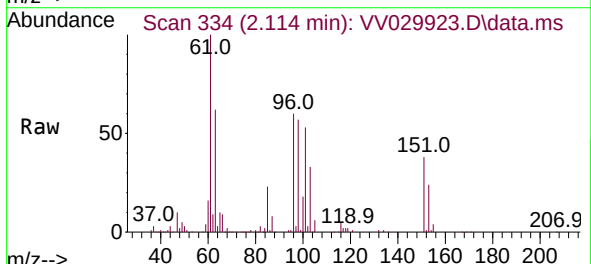
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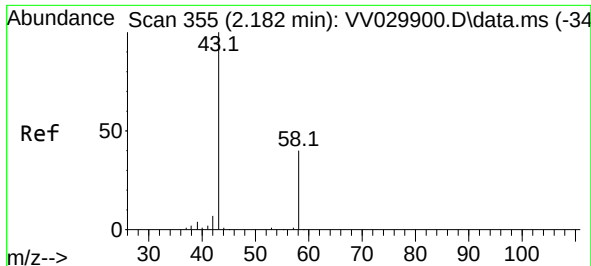
Tgt Ion:101 Resp: 75590
Ion Ratio Lower Upper
101 100
85 42.8 32.9 49.3
151 69.9 60.9 91.3



#12
1,1-Dichloroethene
Concen: 4.616 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 96 Resp: 73738
Ion Ratio Lower Upper
96 100
61 166.6 106.1 197.1
63 103.0 76.4 141.8





#13

Acetone

Concen: 62.626 ug/L

RT: 2.175 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV029923.D

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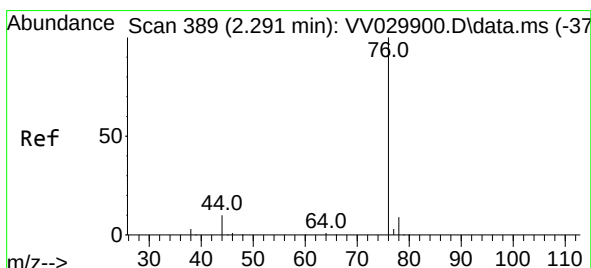
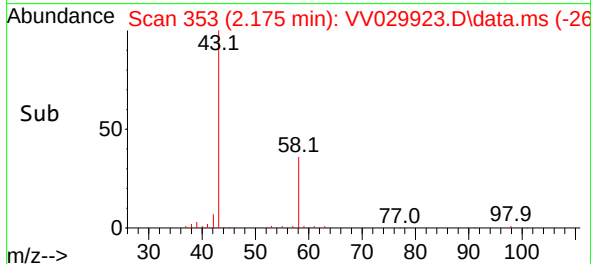
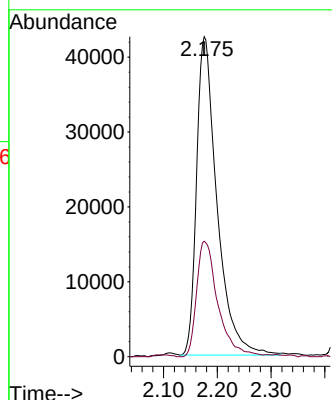
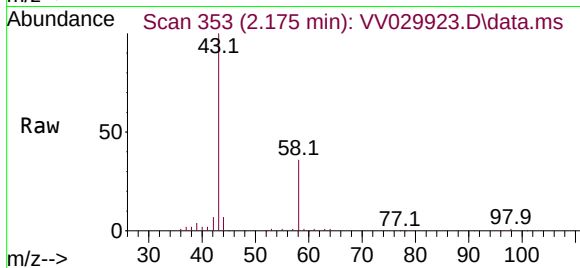
VSTD005390

Tgt Ion: 43 Resp: 112429

Ion Ratio Lower Upper

43 100

58 37.7 0.0 68.8



#14

Carbon disulfide

Concen: 4.682 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV029923.D

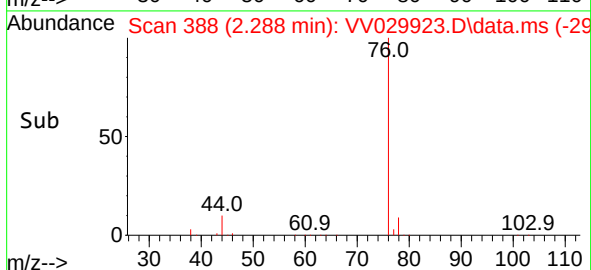
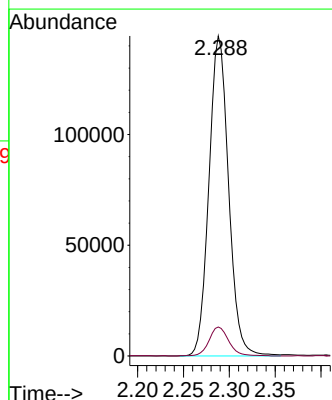
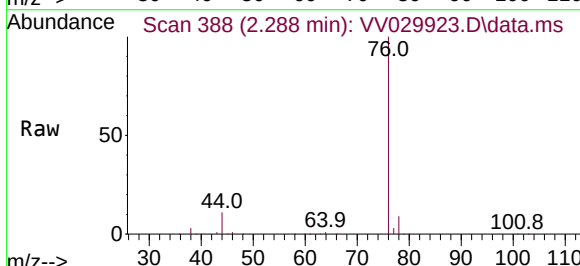
Acq: 24 Jan 2023 15:09

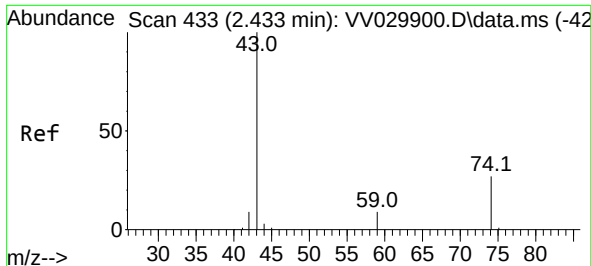
Tgt Ion: 76 Resp: 215347

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 4.957 ug/L

RT: 2.433 min Scan# 41

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

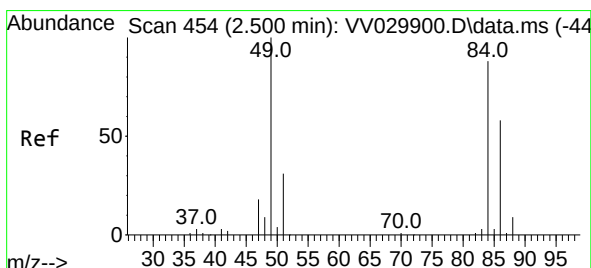
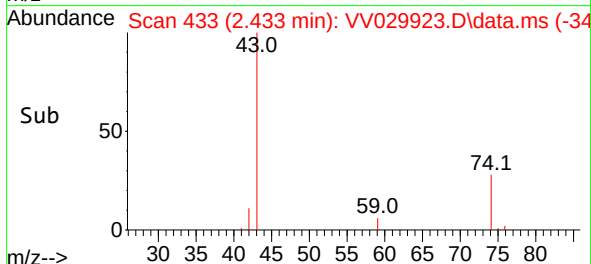
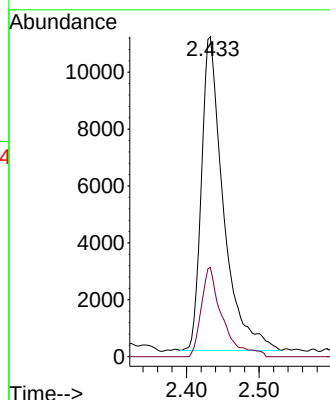
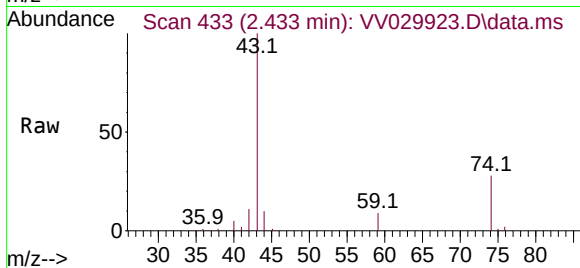
VSTD005390

Tgt Ion: 43 Resp: 23176

Ion Ratio Lower Upper

43 100

74 27.1 23.4 35.0



#16

Methylene chloride

Concen: 4.336 ug/L

RT: 2.497 min Scan# 453

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

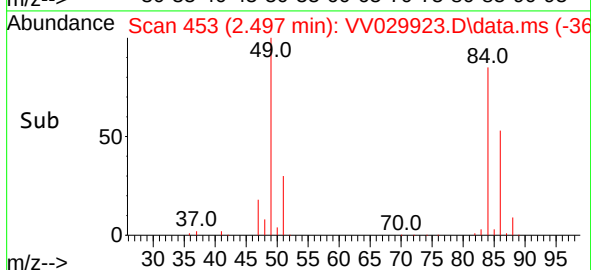
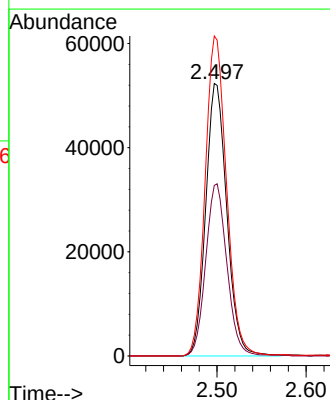
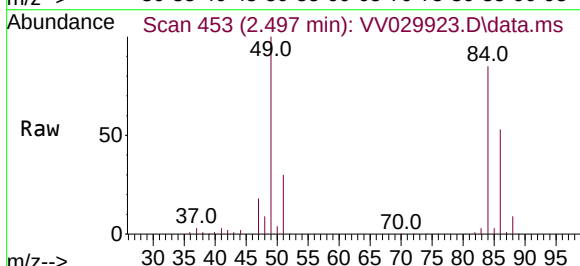
Tgt Ion: 84 Resp: 86047

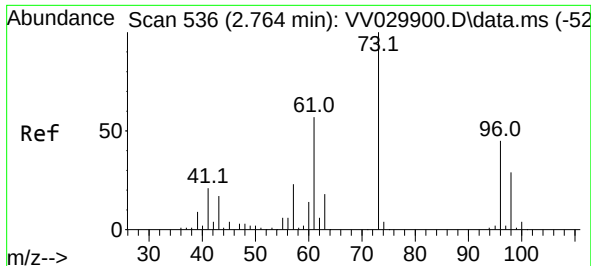
Ion Ratio Lower Upper

84 100

86 62.6 45.0 83.6

49 117.4 71.5 132.7

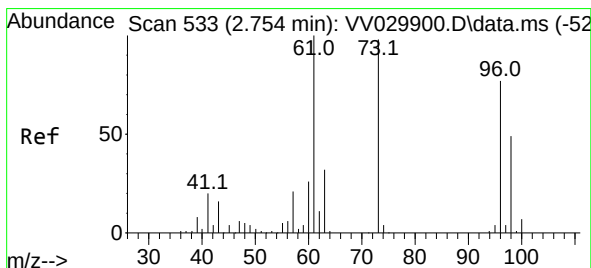
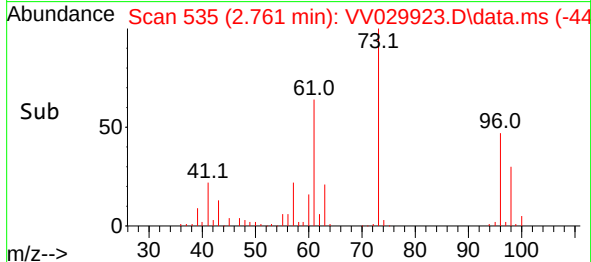
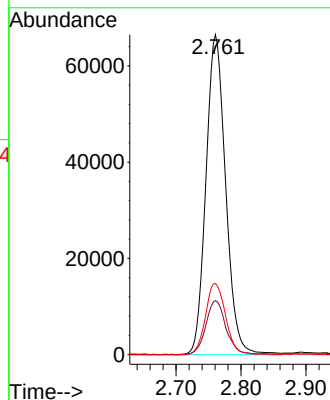
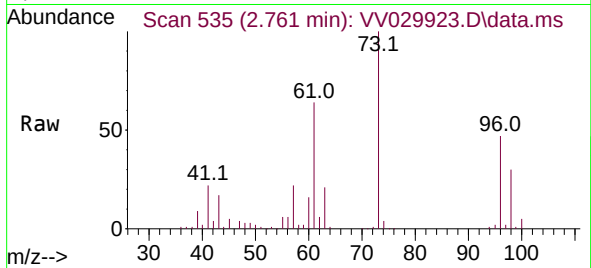




#17
Methyl tert-butyl Ether
Concen: 5.079 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

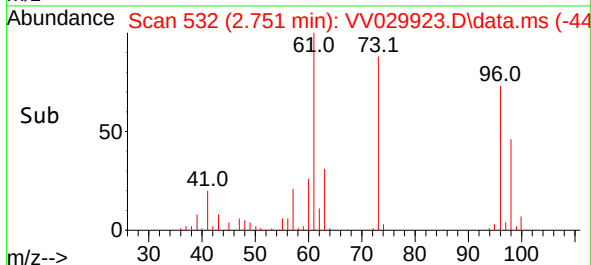
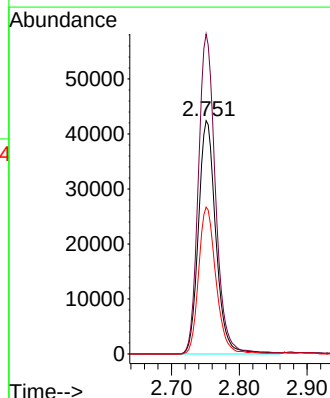
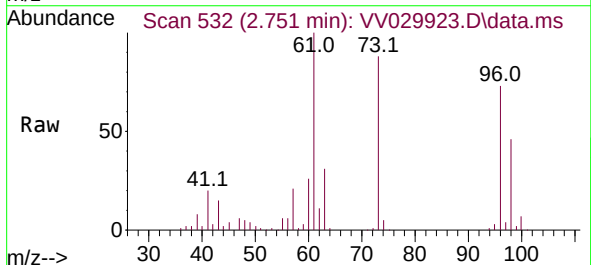
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

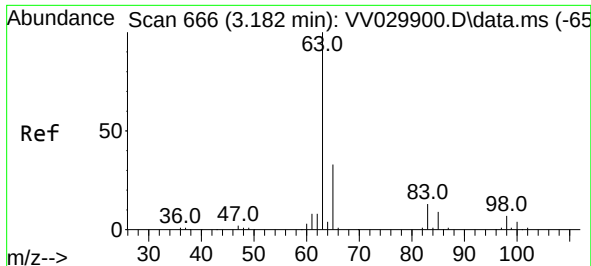
Tgt Ion: 73 Resp: 140305
Ion Ratio Lower Upper
73 100
43 17.4 13.0 19.4
57 22.8 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.091 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 96 Resp: 75604
Ion Ratio Lower Upper
96 100
61 137.2 86.1 159.9
98 63.0 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.657 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

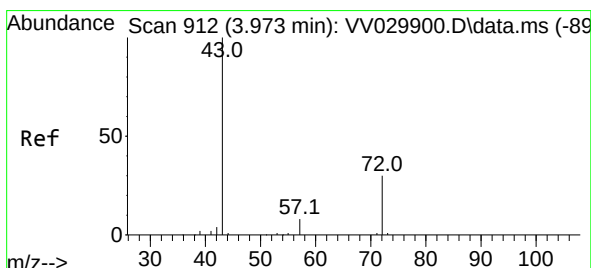
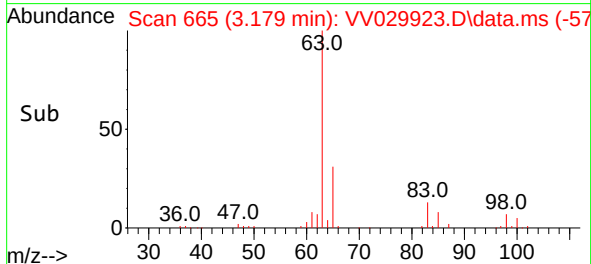
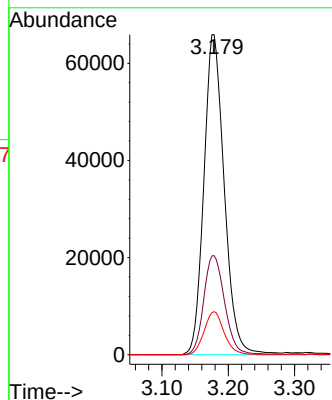
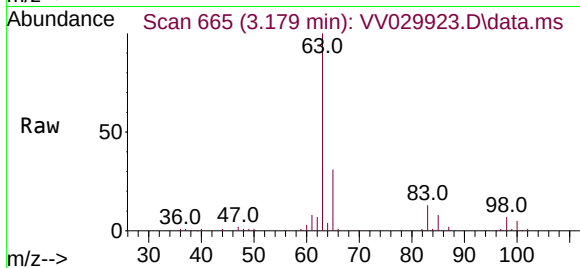
Tgt Ion: 63 Resp: 140547

Ion Ratio Lower Upper

63 100

65 30.9 22.4 41.6

83 13.4 10.2 19.0



#21

2-Butanone

Concen: 57.818 ug/L

RT: 3.966 min Scan# 910

Delta R.T. -0.006 min

Lab File: VV029923.D

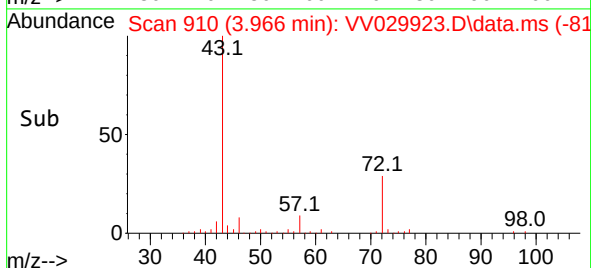
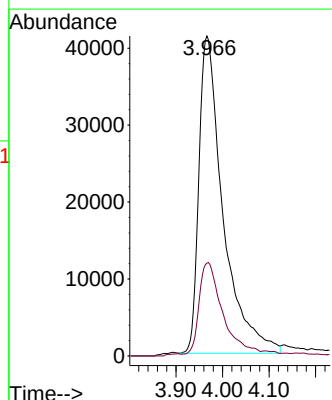
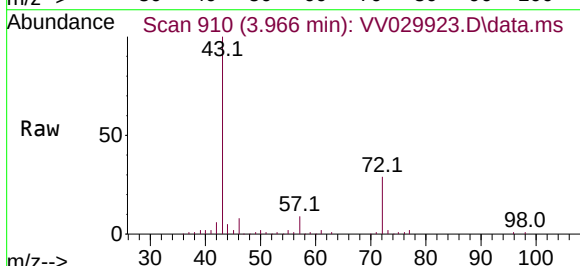
Acq: 24 Jan 2023 15:09

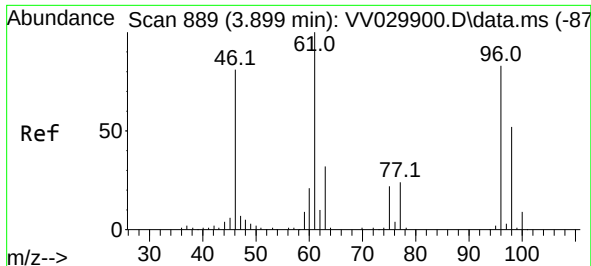
Tgt Ion: 43 Resp: 148699

Ion Ratio Lower Upper

43 100

72 27.9 13.9 41.6





#22

cis-1,2-Dichloroethene

Concen: 4.980 ug/L

RT: 3.896 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

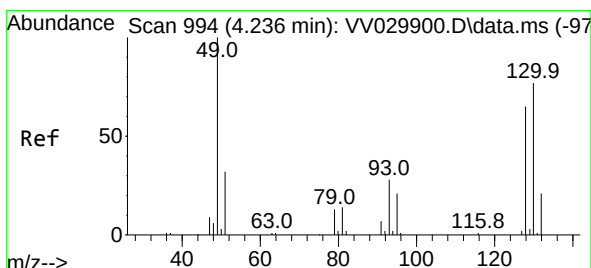
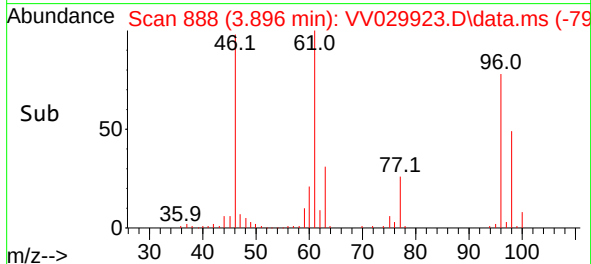
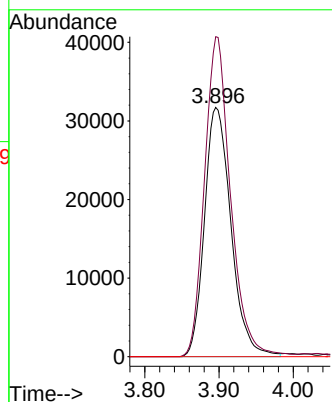
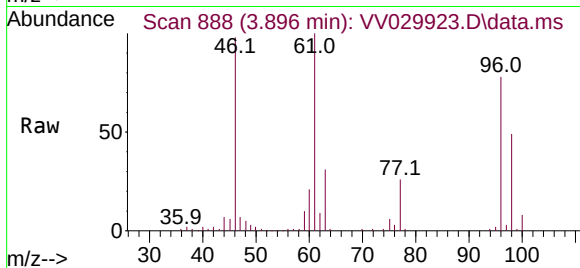
Tgt Ion: 96 Resp: 78809

Ion Ratio Lower Upper

96 100

61 128.4 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.013 ug/L

RT: 4.233 min Scan# 993

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Tgt Ion: 128 Resp: 32757

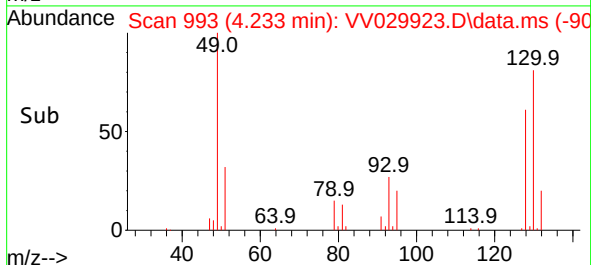
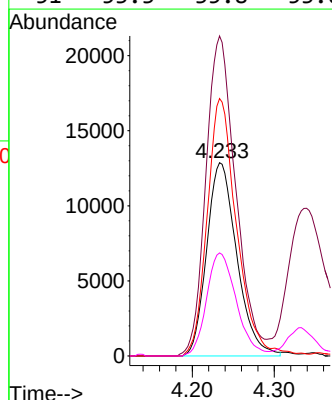
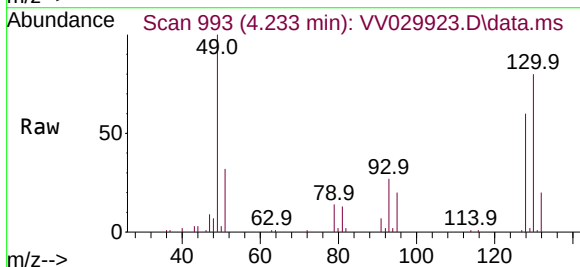
Ion Ratio Lower Upper

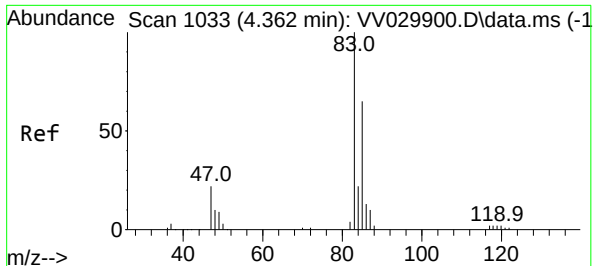
128 100

49 165.6 91.2 169.4

130 133.2 87.0 161.6

51 53.3 35.8 53.6





#25

Chloroform

Concen: 5.111 ug/L

RT: 4.359 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

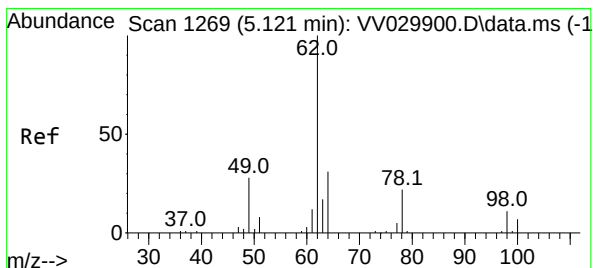
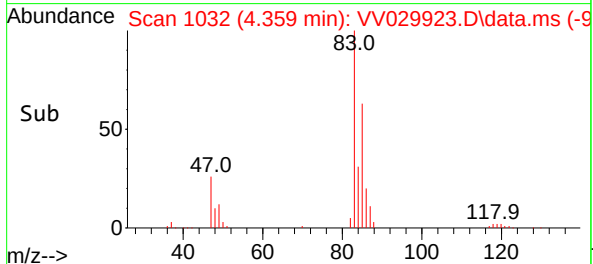
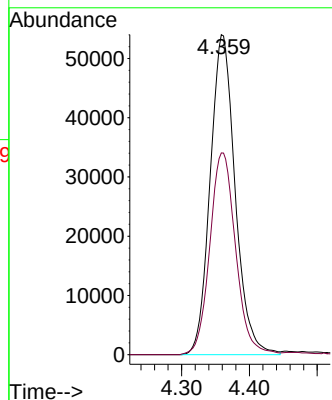
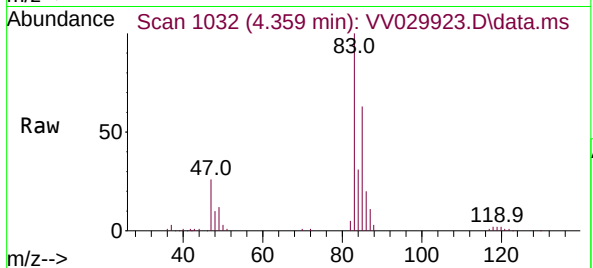
VSTD005390

Tgt Ion: 83 Resp: 138023

Ion Ratio Lower Upper

83 100

85 63.0 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.428 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.003 min

Lab File: VV029923.D

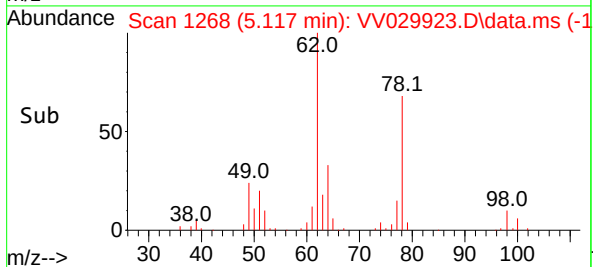
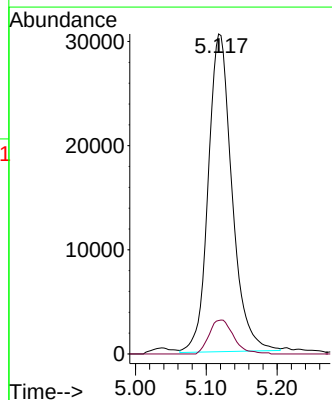
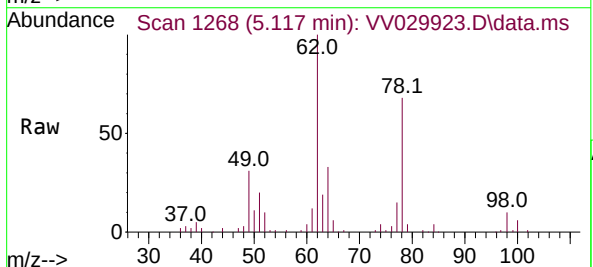
Acq: 24 Jan 2023 15:09

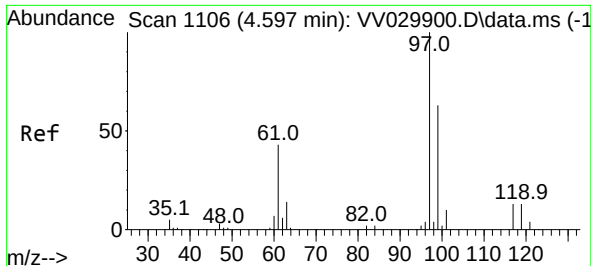
Tgt Ion: 62 Resp: 71216

Ion Ratio Lower Upper

62 100

98 10.4 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.818 ug/L

RT: 4.593 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

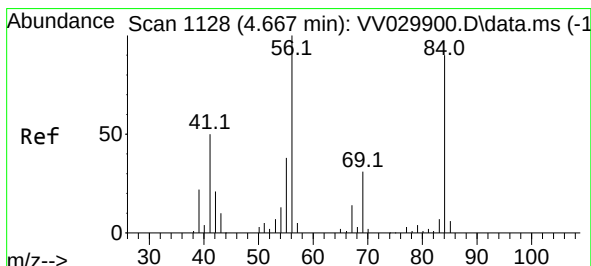
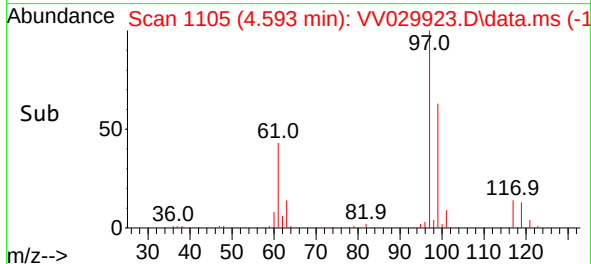
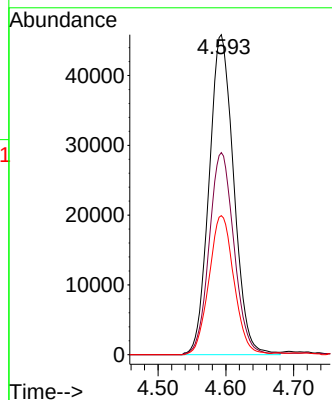
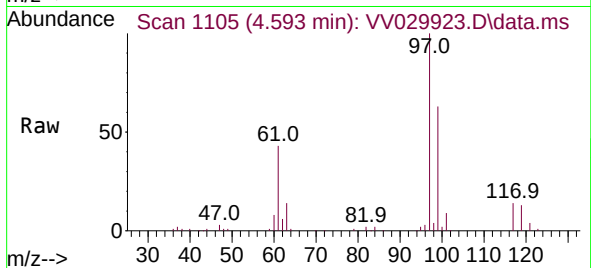
Tgt Ion: 97 Resp: 115647

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 44.0 31.6 47.4



#30

Cyclohexane

Concen: 5.136 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

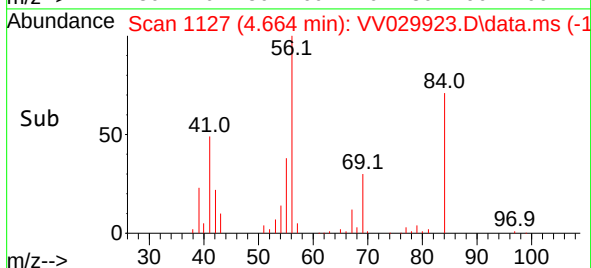
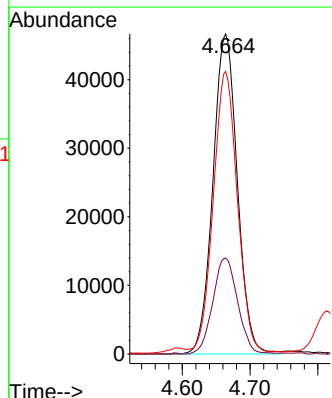
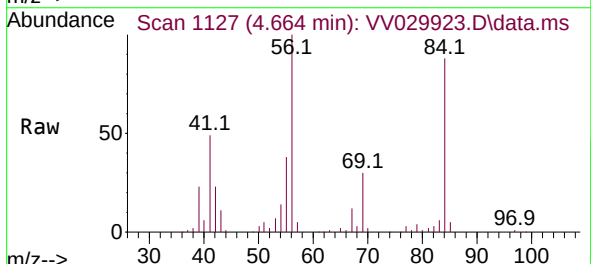
Tgt Ion: 56 Resp: 116715

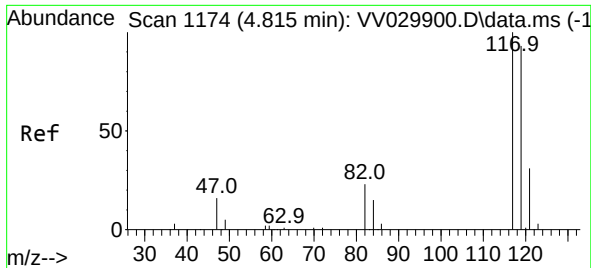
Ion Ratio Lower Upper

56 100

69 30.6 26.7 40.1

84 86.4 73.8 110.8

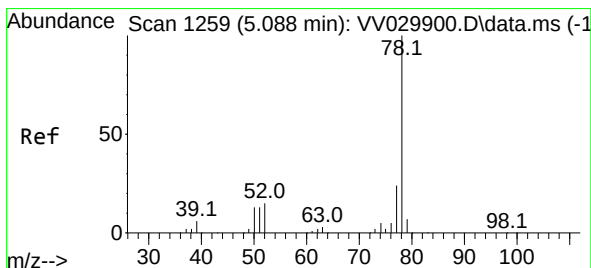
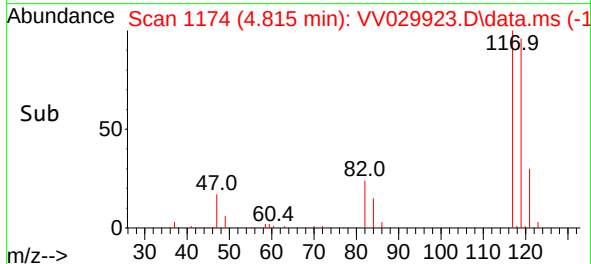
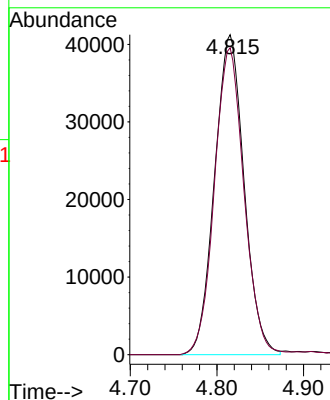
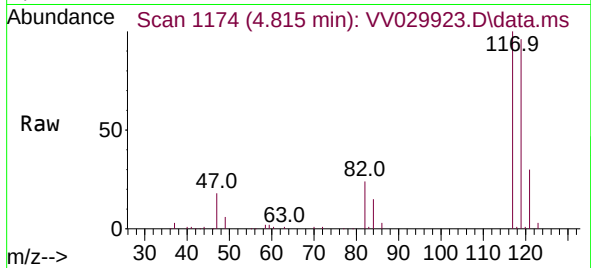




#31
Carbon tetrachloride
Concen: 4.670 ug/L
RT: 4.815 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

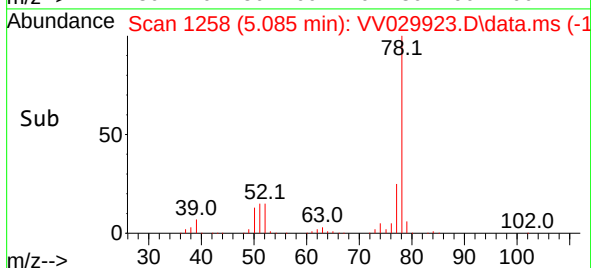
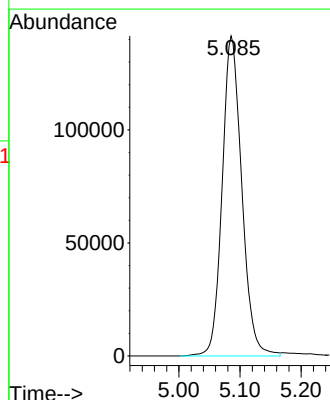
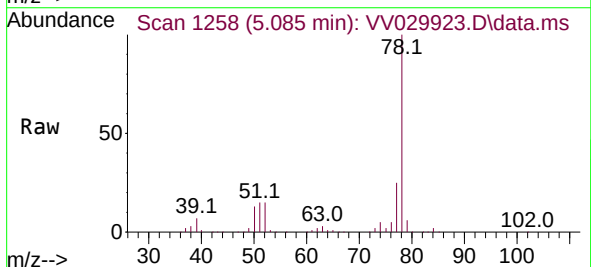
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

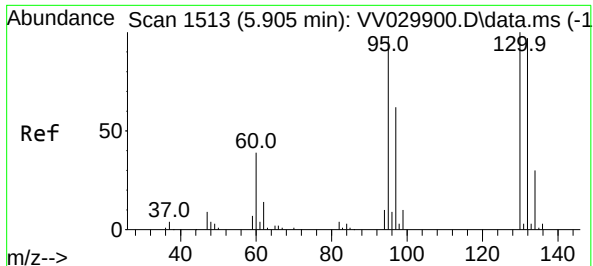
Tgt Ion:117 Resp: 97550
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8



#33
Benzene
Concen: 5.165 ug/L
RT: 5.085 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 78 Resp: 315677





#34

Trichloroethene

Concen: 4.981 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

Tgt Ion: 95 Resp: 77156

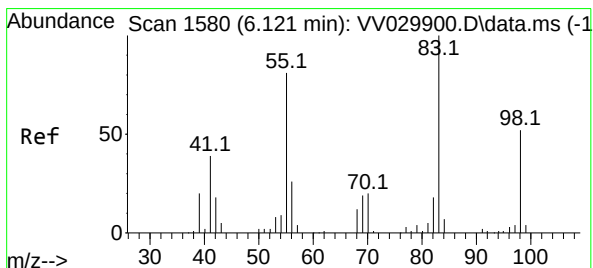
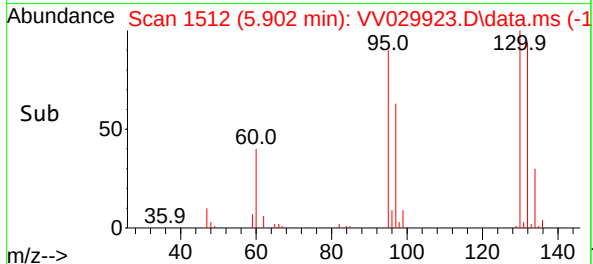
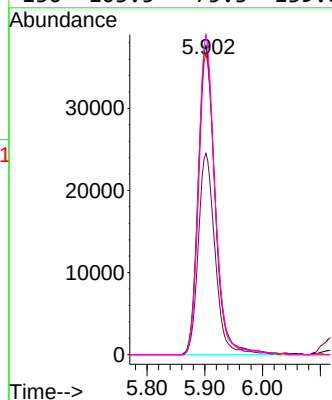
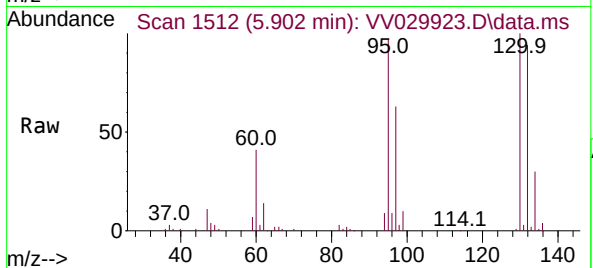
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.3

132 97.5 71.8 133.4

130 103.5 75.3 139.8



#35

Methylcyclohexane

Concen: 4.825 ug/L

RT: 6.121 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

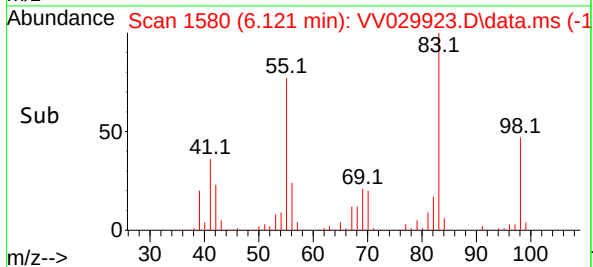
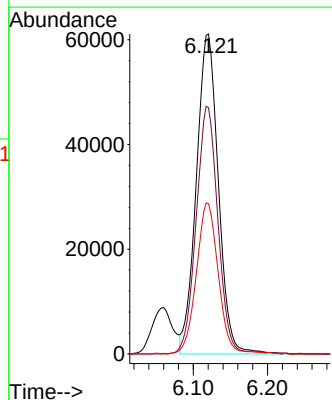
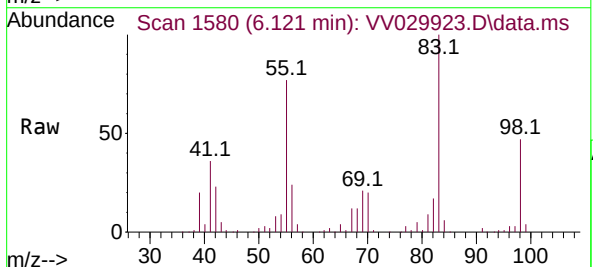
Tgt Ion: 83 Resp: 126168

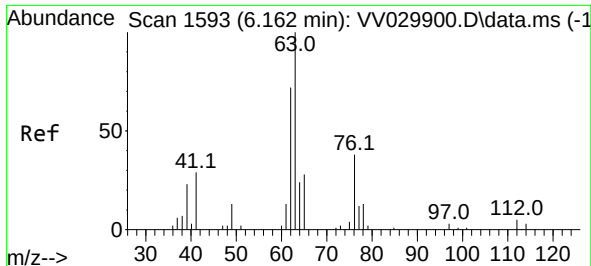
Ion Ratio Lower Upper

83 100

55 76.0 57.3 85.9

98 46.9 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.340 ug/L

RT: 6.159 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

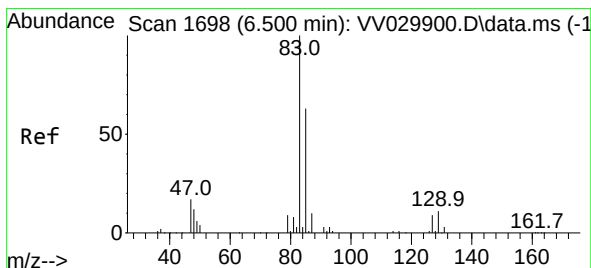
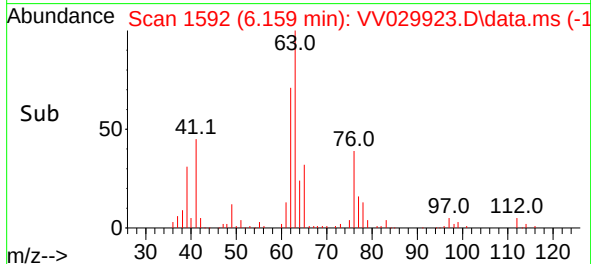
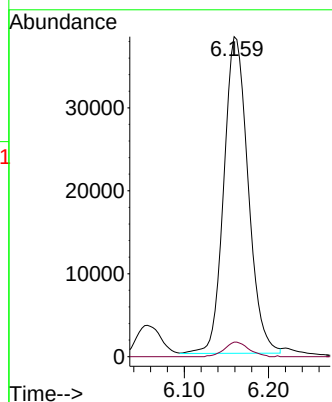
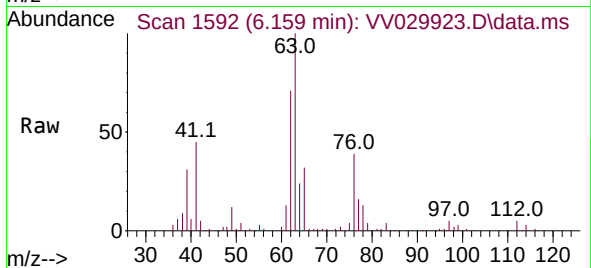
VSTD005390

Tgt Ion: 63 Resp: 76433

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 5.039 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

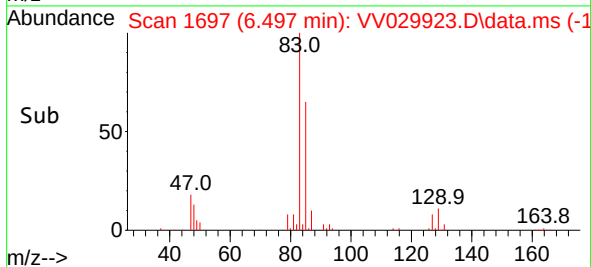
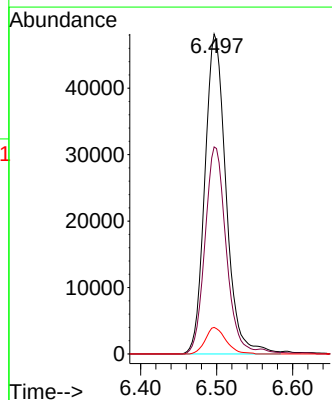
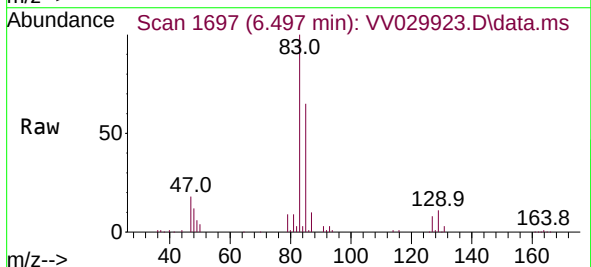
Tgt Ion: 83 Resp: 93278

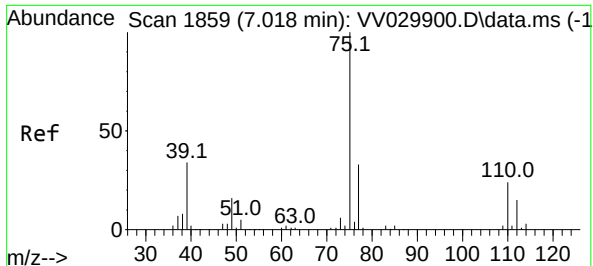
Ion Ratio Lower Upper

83 100

85 64.7 43.2 80.2

127 8.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.797 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

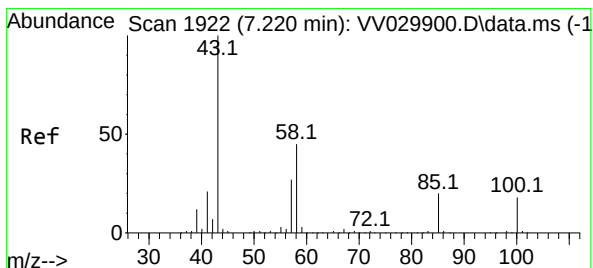
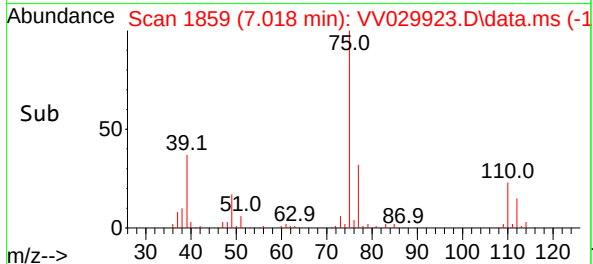
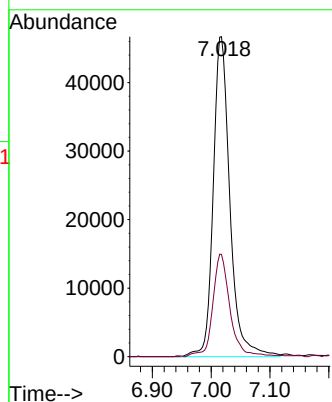
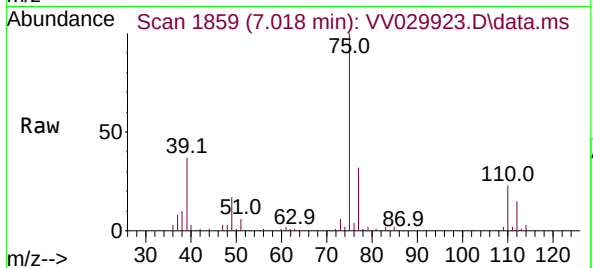
VSTD005390

Tgt Ion: 75 Resp: 92075

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 56.957 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

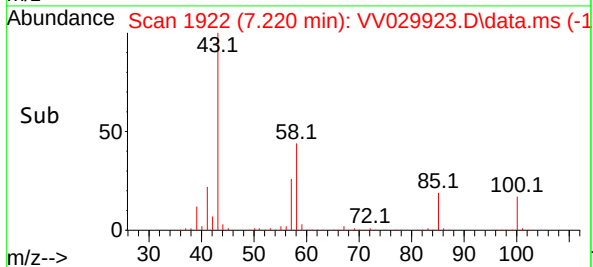
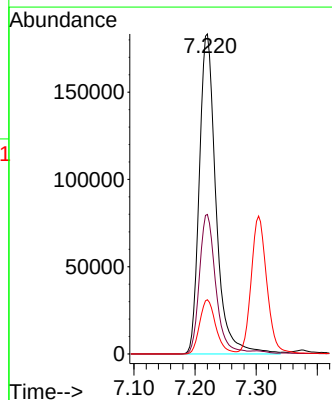
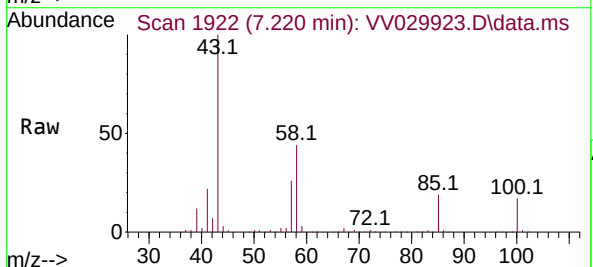
Tgt Ion: 43 Resp: 347908

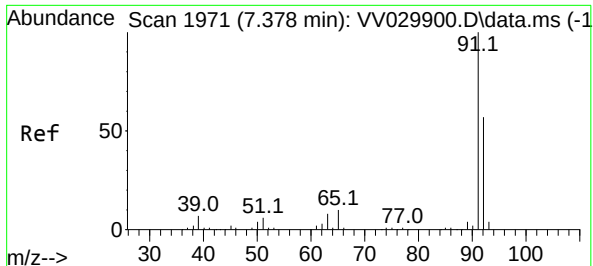
Ion Ratio Lower Upper

43 100

58 42.8 36.7 55.1

100 16.5 15.6 23.4





#42

Toluene

Concen: 5.049 ug/L

RT: 7.375 min Scan# 1971

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

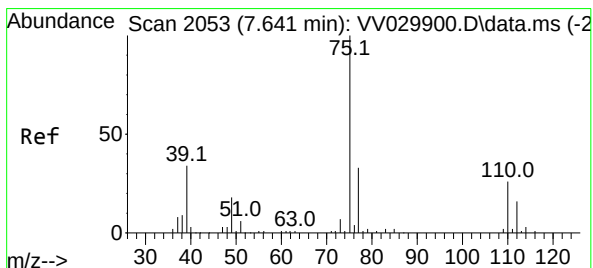
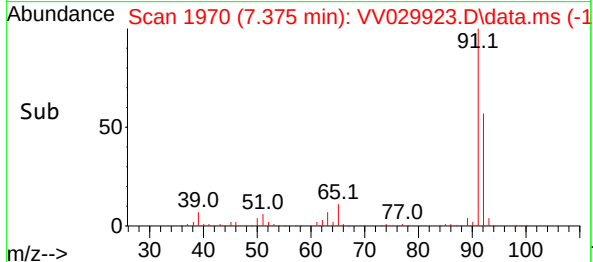
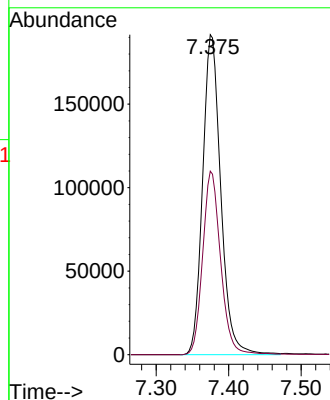
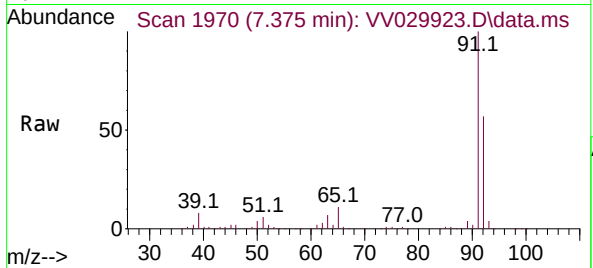
VSTD005390

Tgt Ion: 91 Resp: 332835

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.744 ug/L

RT: 7.638 min Scan# 2052

Delta R.T. -0.003 min

Lab File: VV029923.D

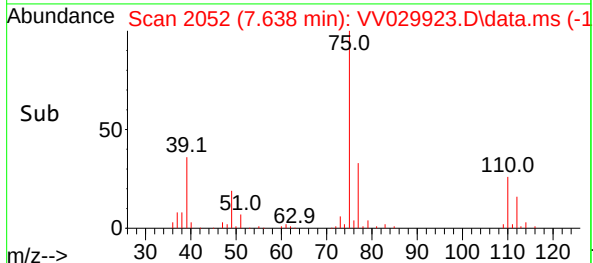
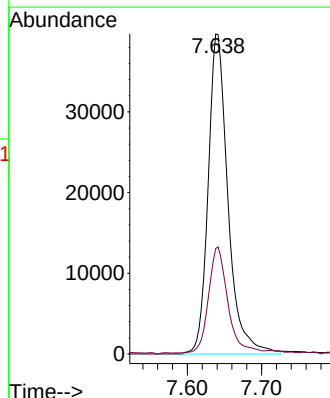
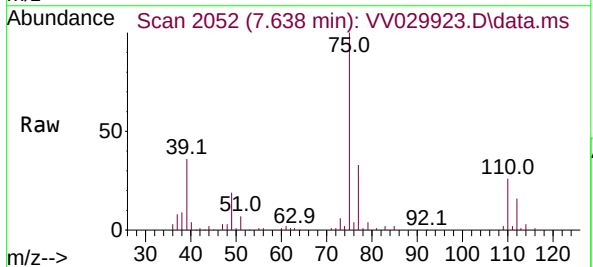
Acq: 24 Jan 2023 15:09

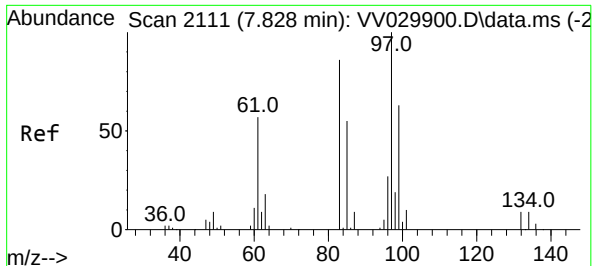
Tgt Ion: 75 Resp: 73382

Ion Ratio Lower Upper

75 100

77 33.0 21.9 40.7

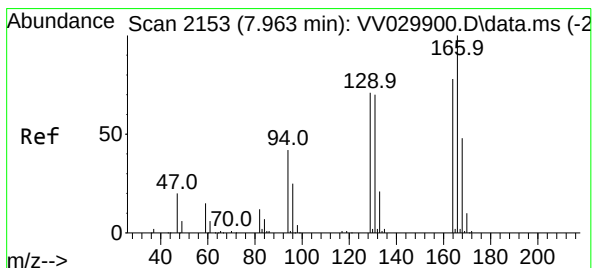
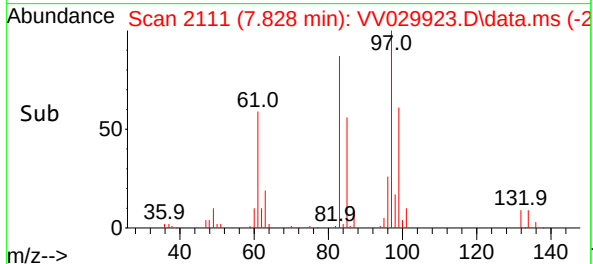
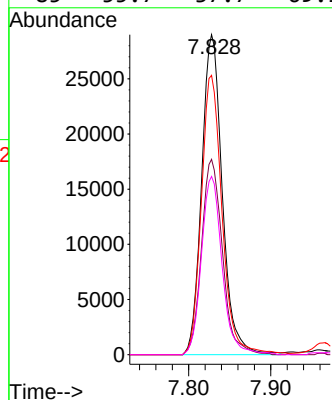
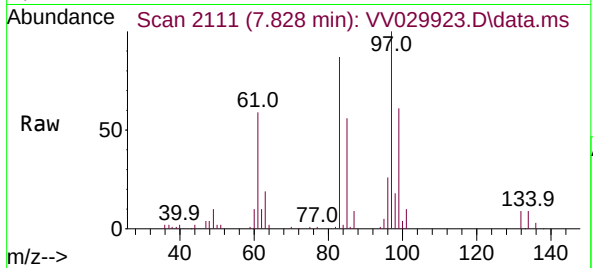




#45
1,1,2-Trichloroethane
Concen: 4.912 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

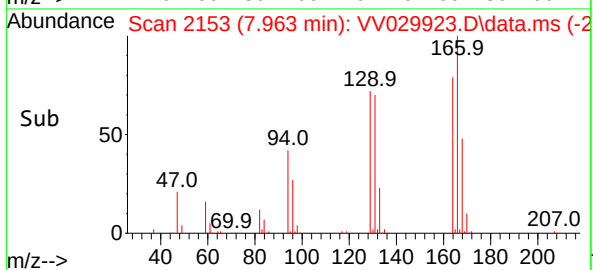
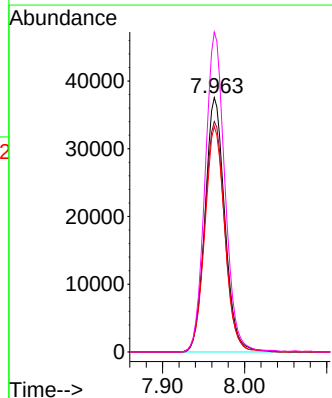
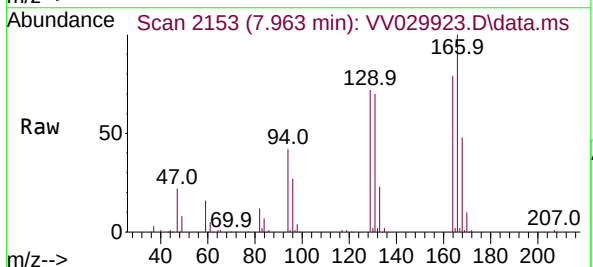
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

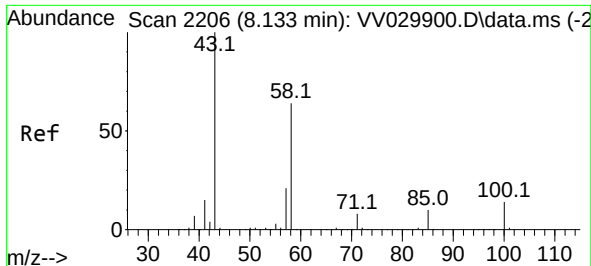
Tgt Ion: 97	Resp: 50660
Ion Ratio	Lower Upper
97 100	
99 61.1	41.9 77.7
83 87.3	58.7 109.1
85 55.7	37.7 69.9



#47
Tetrachloroethene
Concen: 4.831 ug/L
RT: 7.963 min Scan# 2153
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt	Ion:164	Resp:	62998
Ion	Ratio	Lower	Upper
164	100		
129	90.6	64.5	119.7
131	88.7	62.9	116.7
166	125.8	90.7	168.5



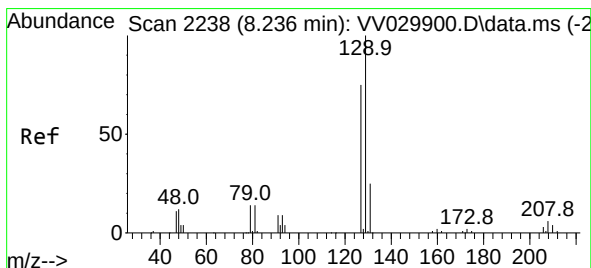
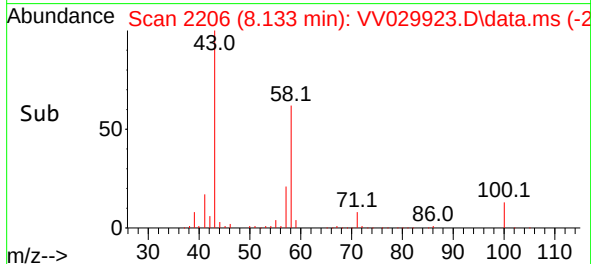
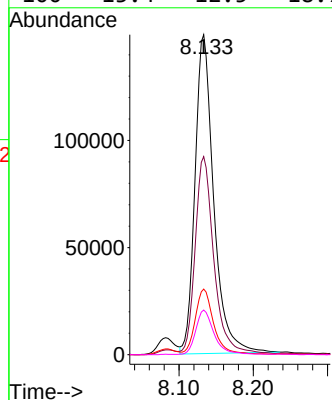
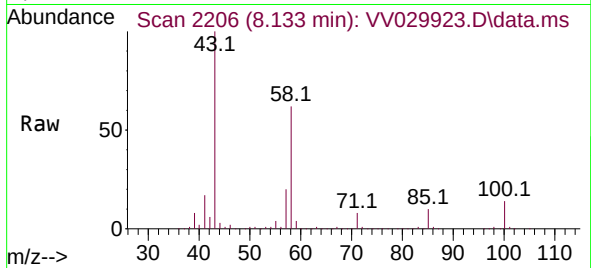


#48
2-Hexanone
Concen: 59.882 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

Tgt Ion: 43 Resp: 261442

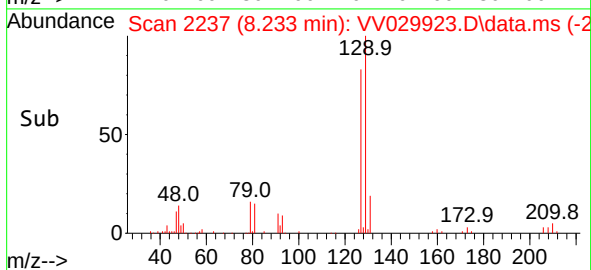
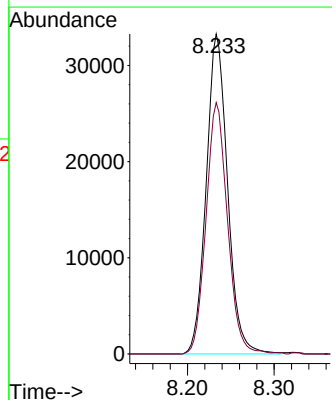
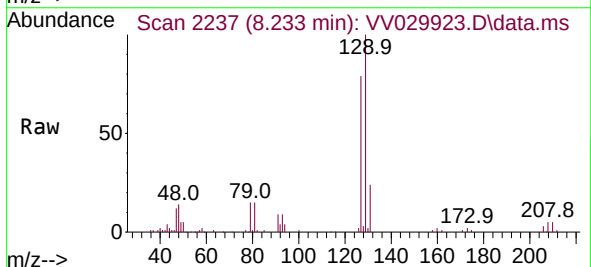
Ion	Ratio	Lower	Upper
43	100		
58	61.7	51.4	77.2
57	20.0	17.0	25.6
100	13.4	12.5	18.7

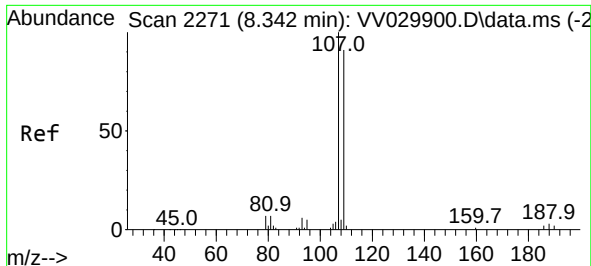


#49
Dibromochloromethane
Concen: 4.708 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 129 Resp: 56984

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.1	100.5

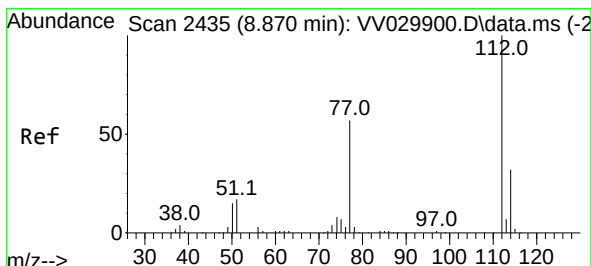
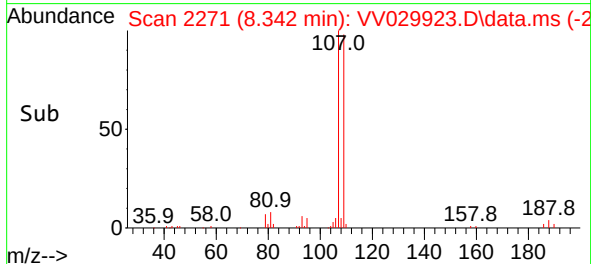
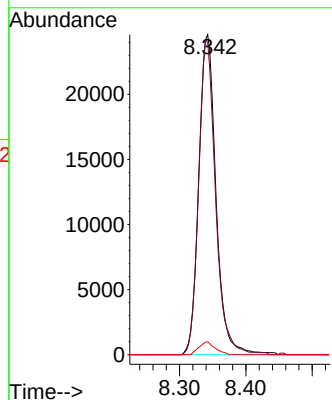
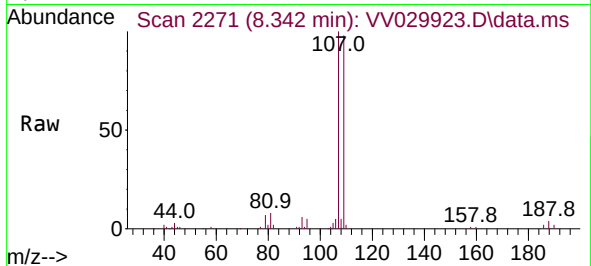




#50
1,2-Dibromoethane
Concen: 4.967 ug/L
RT: 8.342 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

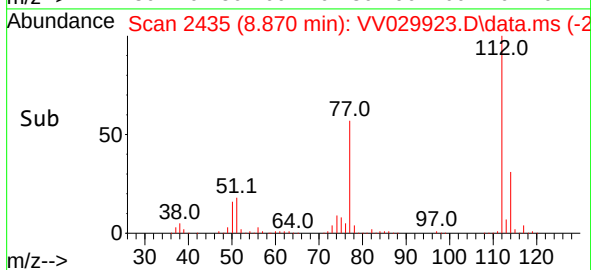
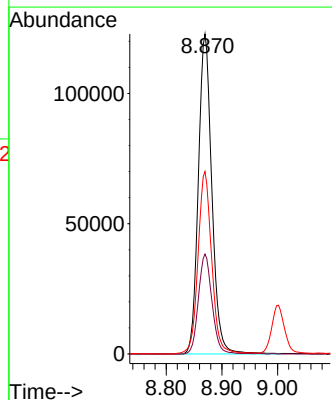
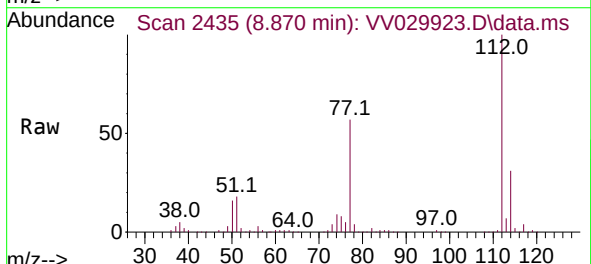
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

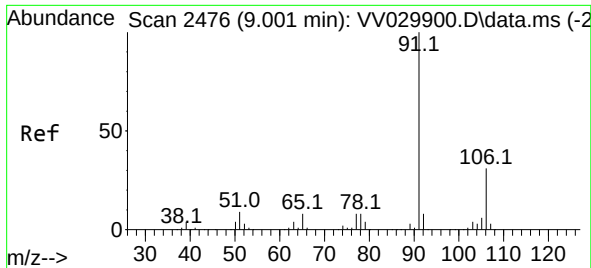
Tgt Ion:107 Resp: 44462
Ion Ratio Lower Upper
107 100
109 97.6 66.1 122.7
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 4.950 ug/L
RT: 8.870 min Scan# 2435
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion:112 Resp: 207205
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.9
77 57.0 46.1 69.1

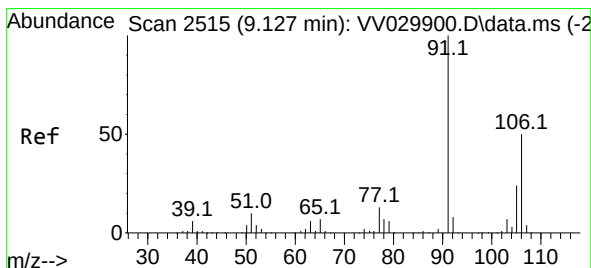
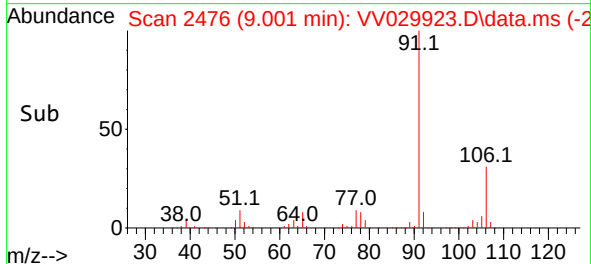
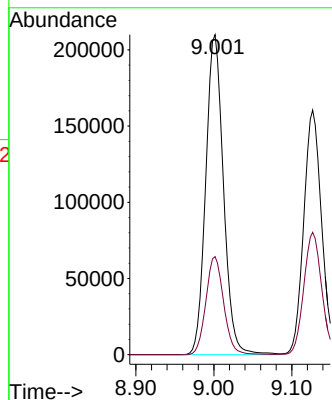
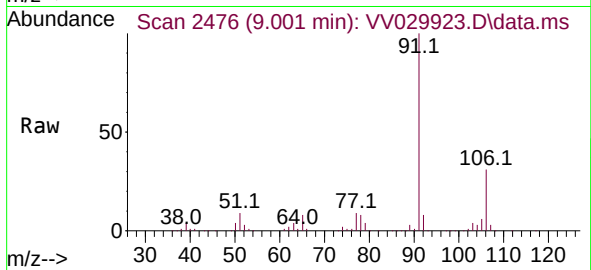




#52
Ethylbenzene
Concen: 4.810 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

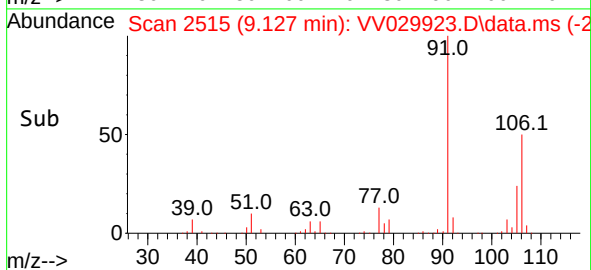
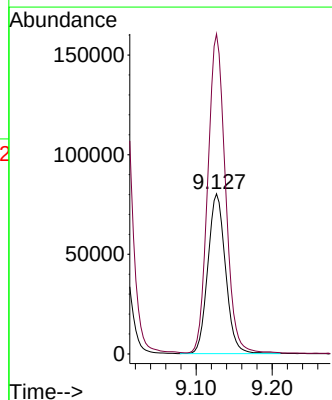
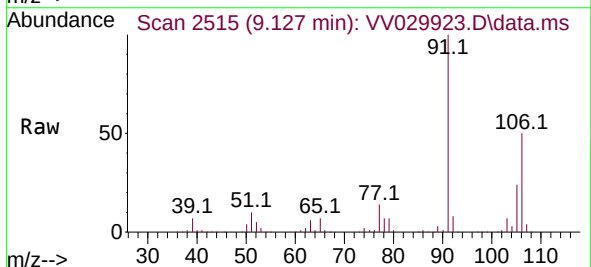
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

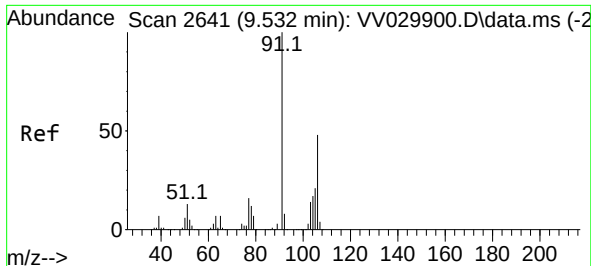
Tgt Ion: 91 Resp: 331854
Ion Ratio Lower Upper
91 100
106 30.6 21.9 40.7



#53
m,p-Xylene
Concen: 4.736 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion:106 Resp: 129319
Ion Ratio Lower Upper
106 100
91 199.8 138.7 257.7

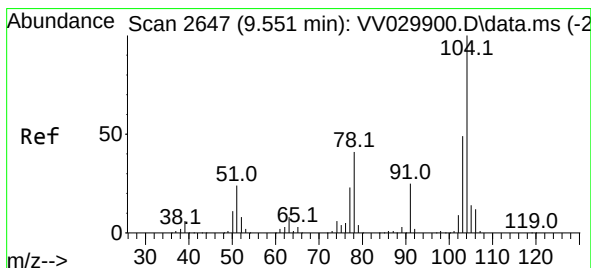
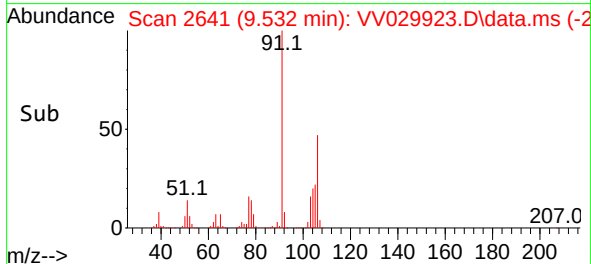
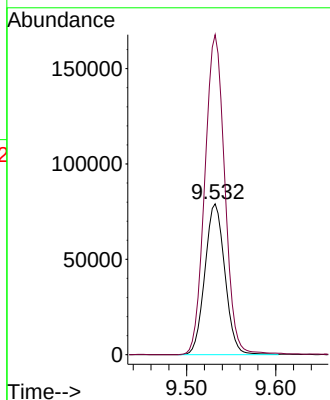
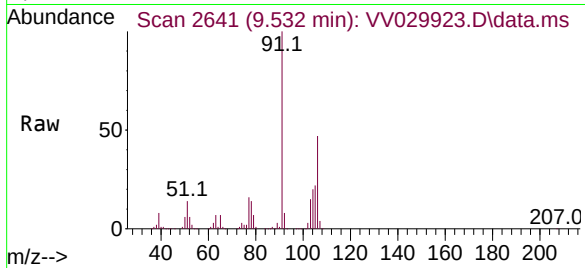




#54
o-Xylene
Concen: 4.764 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

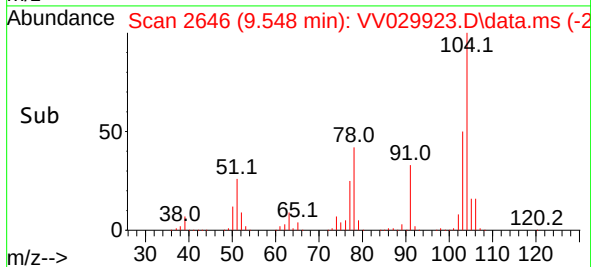
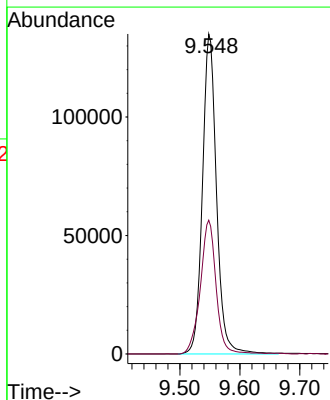
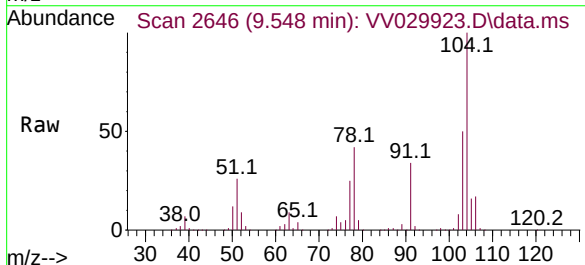
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

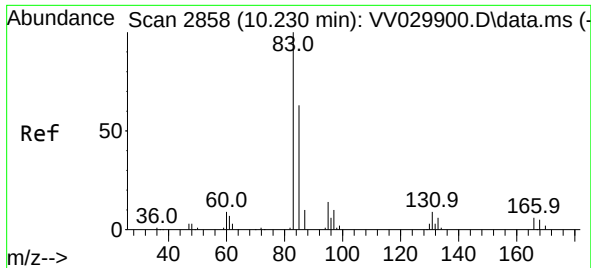
Tgt Ion:106 Resp: 123479
Ion Ratio Lower Upper
106 100
91 212.1 147.7 274.3



#55
Styrene
Concen: 4.954 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion:104 Resp: 220807
Ion Ratio Lower Upper
104 100
78 41.8 28.6 53.2

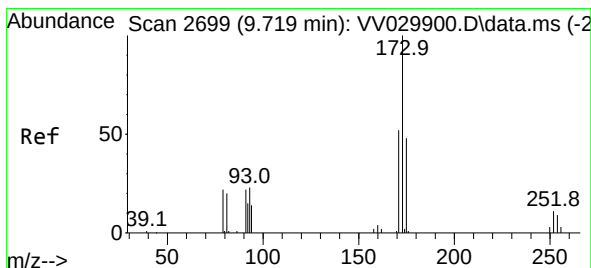
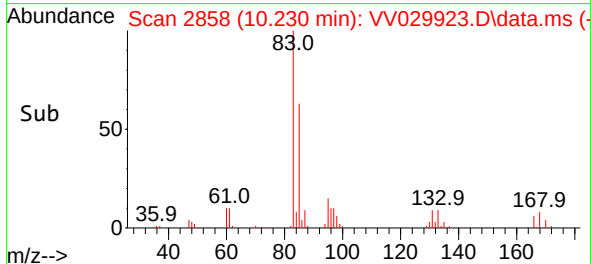
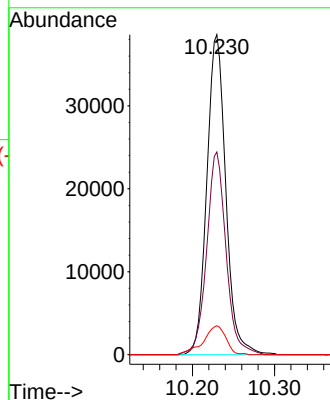
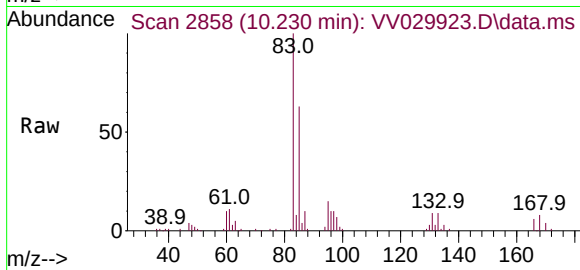




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.403 ug/L
 RT: 10.230 min Scan# 2858
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

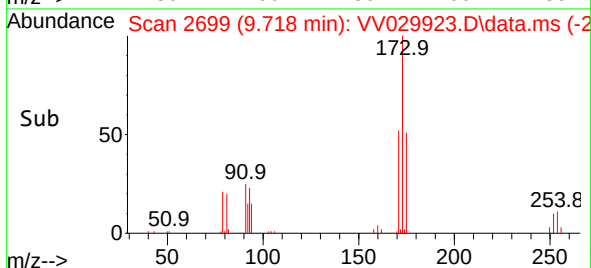
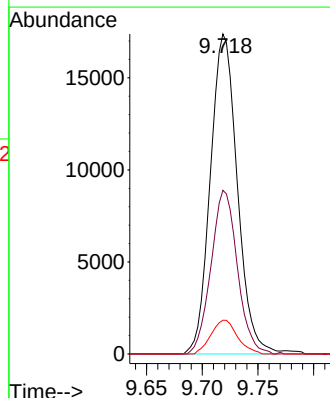
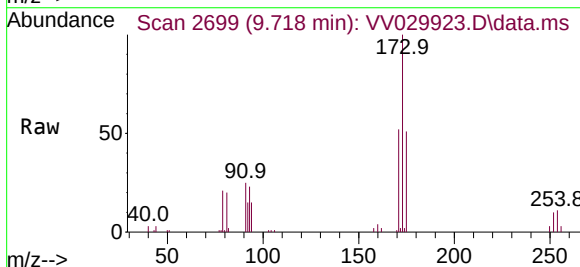
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005390

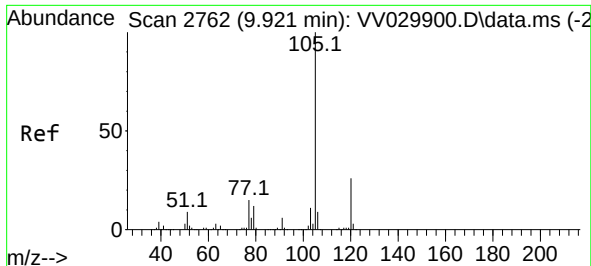
Tgt Ion:	83	Resp:	61891
Ion	Ratio	Lower	Upper
83	100		
85	63.4	46.0	85.4
131	9.0	8.4	12.6



#59
 Bromoform
 Concen: 3.893 ug/L
 RT: 9.718 min Scan# 2699
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

Tgt Ion:	173	Resp:	29231
Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.6	57.8
254	10.4	7.9	11.9

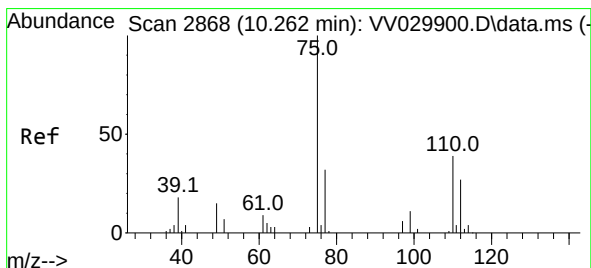
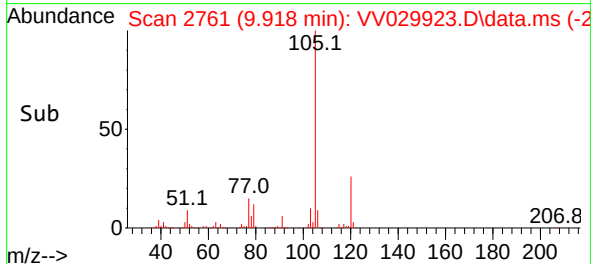
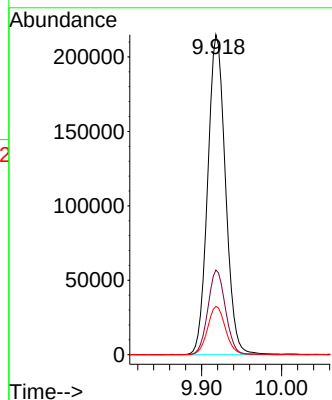
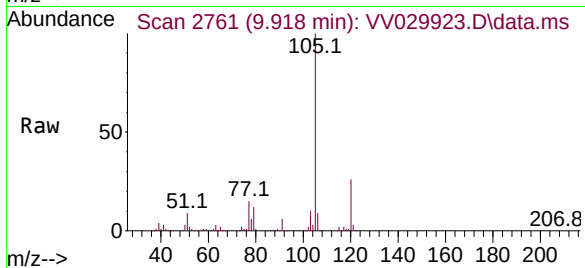




#60
Isopropylbenzene
Concen: 4.482 ug/L
RT: 9.918 min Scan# 2761
Delta R.T. -0.003 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

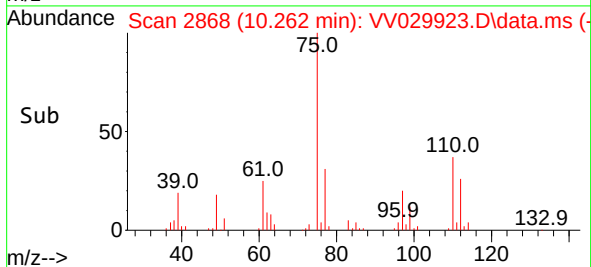
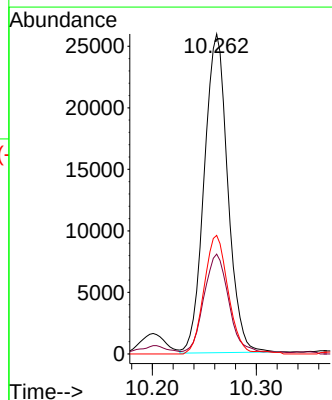
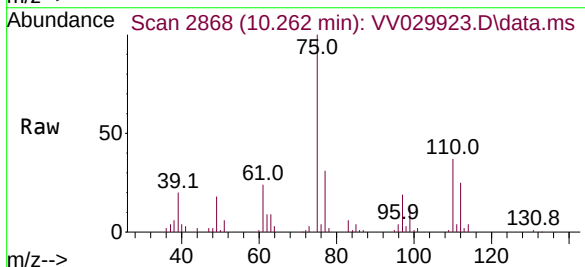
Instrument :
MSVOA_V
ClientSampleId :
VSTD005390

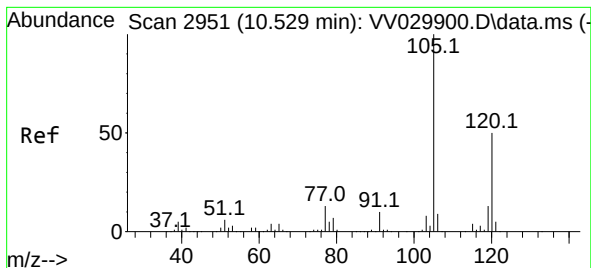
Tgt Ion:105 Resp: 332118
Ion Ratio Lower Upper
105 100
120 26.3 21.2 31.8
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 4.752 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029923.D
Acq: 24 Jan 2023 15:09

Tgt Ion: 75 Resp: 40792
Ion Ratio Lower Upper
75 100
77 31.5 26.5 39.7
110 37.7 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.254 ug/L

RT: 10.525 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

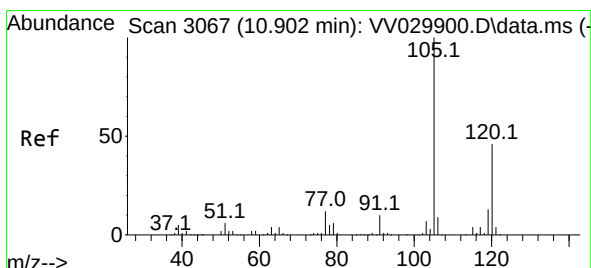
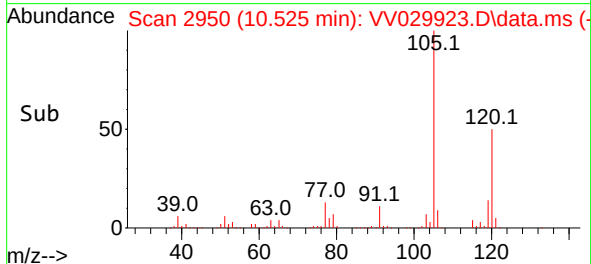
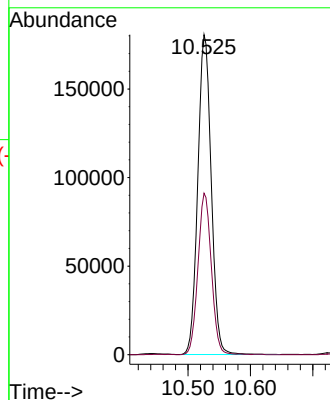
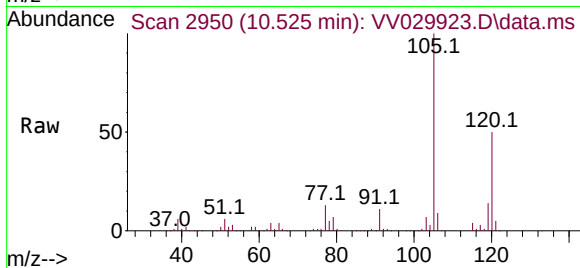
VSTD005390

Tgt Ion:105 Resp: 270142

Ion Ratio Lower Upper

105 100

120 50.4 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.311 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029923.D

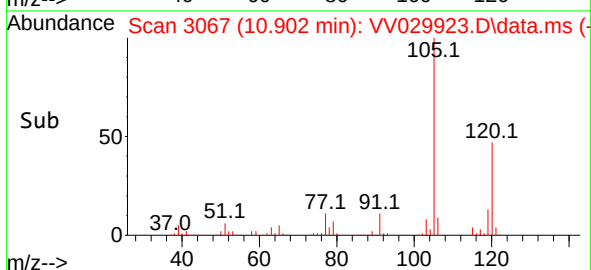
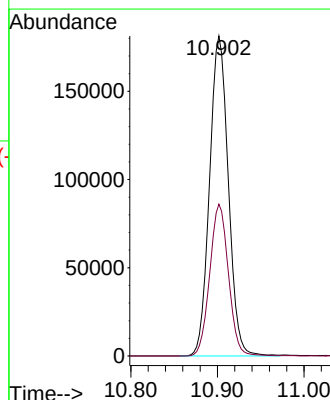
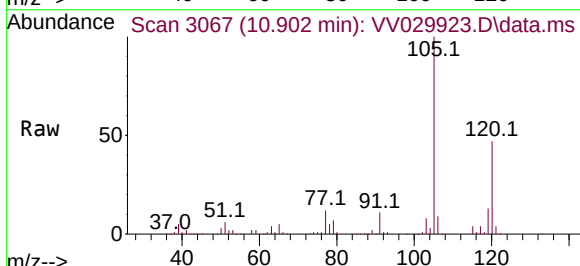
Acq: 24 Jan 2023 15:09

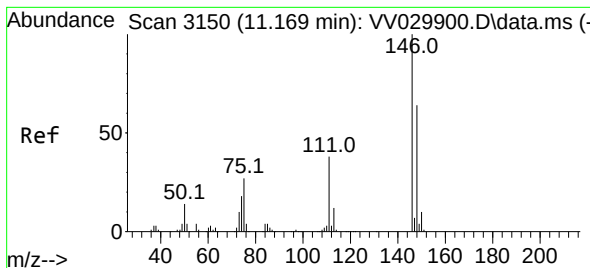
Tgt Ion:105 Resp: 272969

Ion Ratio Lower Upper

105 100

120 47.2 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 4.546 ug/L

RT: 11.169 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

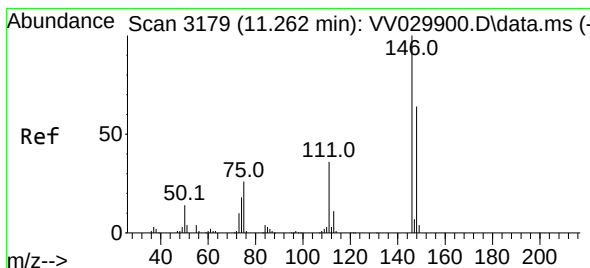
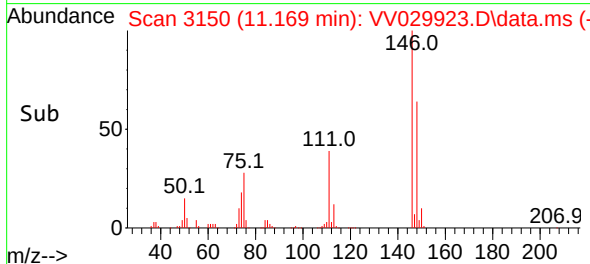
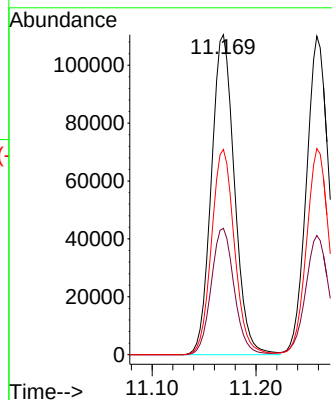
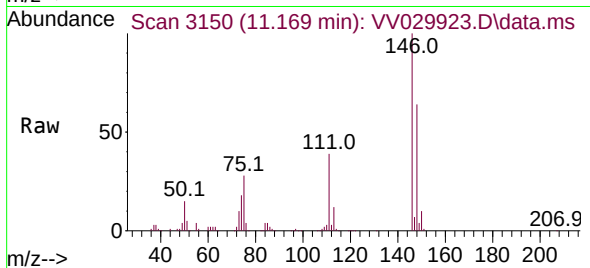
Tgt Ion:146 Resp: 171070

Ion Ratio Lower Upper

146 100

111 39.5 27.2 50.6

148 64.1 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 4.509 ug/L

RT: 11.259 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

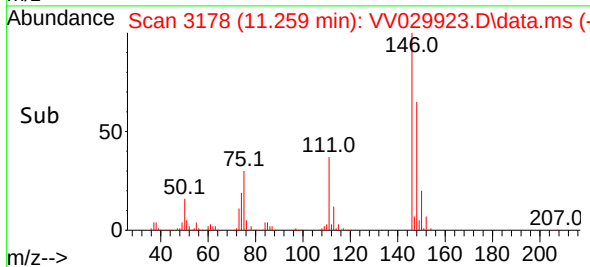
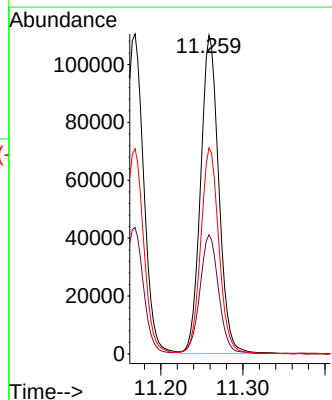
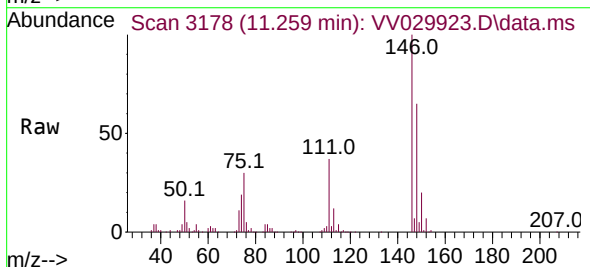
Tgt Ion:146 Resp: 169130

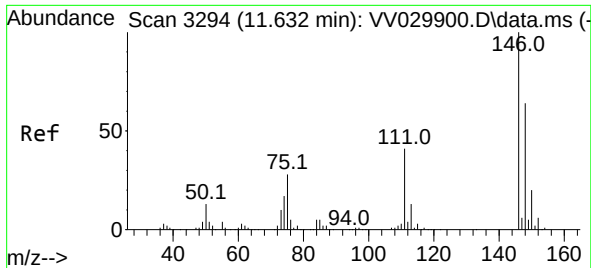
Ion Ratio Lower Upper

146 100

111 37.4 26.5 49.1

148 64.7 45.8 85.2

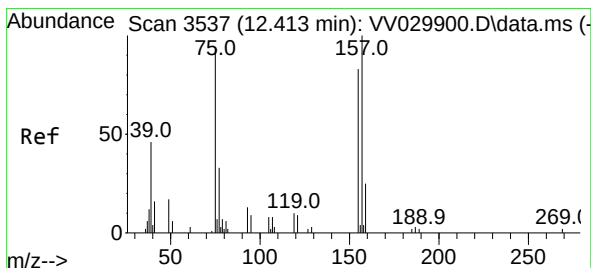
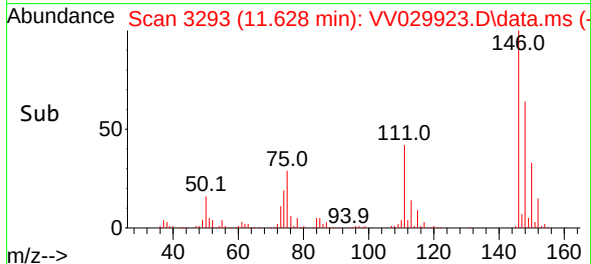
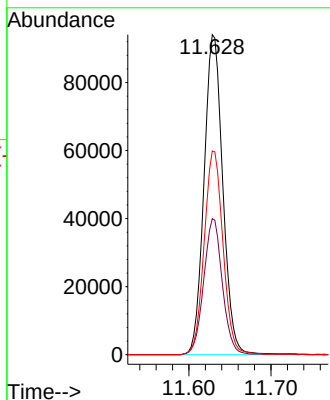
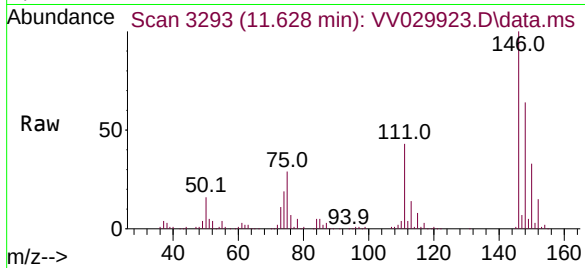




#67
 1,2-Dichlorobenzene
 Concen: 4.409 ug/L
 RT: 11.628 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

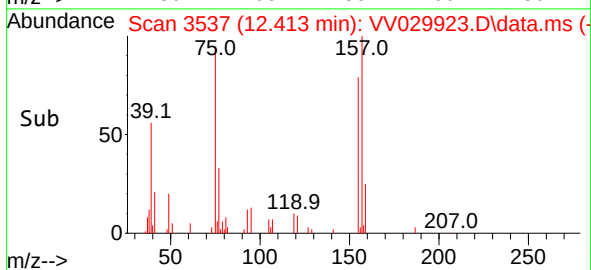
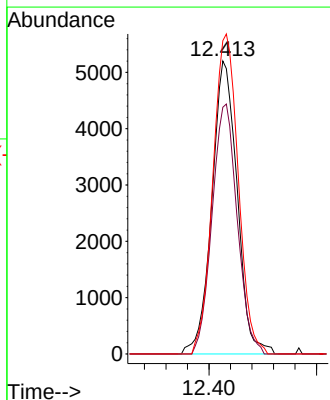
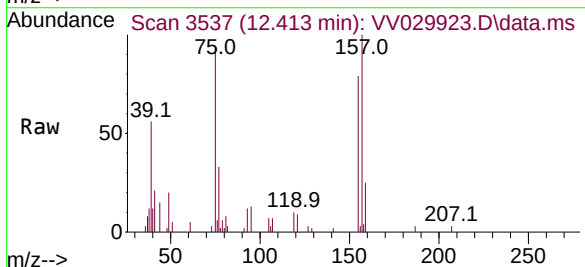
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005390

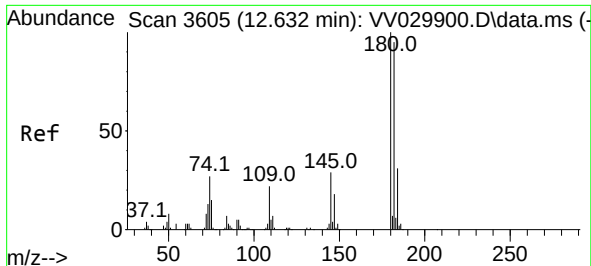
Tgt Ion:146 Resp: 149133
 Ion Ratio Lower Upper
 146 100
 111 42.5 31.8 47.8
 148 63.7 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.178 ug/L
 RT: 12.413 min Scan# 3537
 Delta R.T. -0.000 min
 Lab File: VV029923.D
 Acq: 24 Jan 2023 15:09

Tgt Ion: 75 Resp: 8481
 Ion Ratio Lower Upper
 75 100
 155 84.2 75.5 113.3
 157 106.9 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.396 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

Tgt Ion:180 Resp: 133145

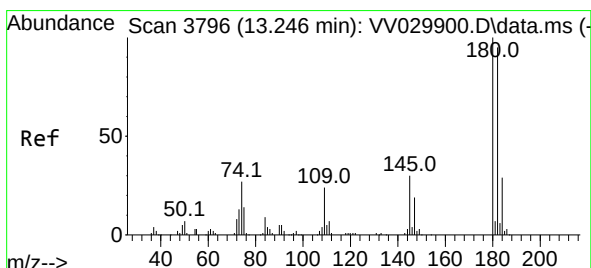
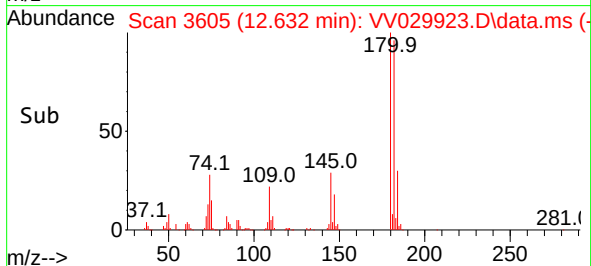
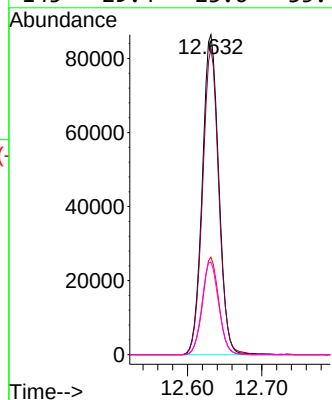
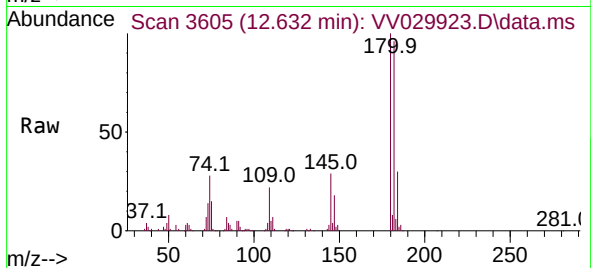
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

184 30.0 23.9 35.9

145 29.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.385 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

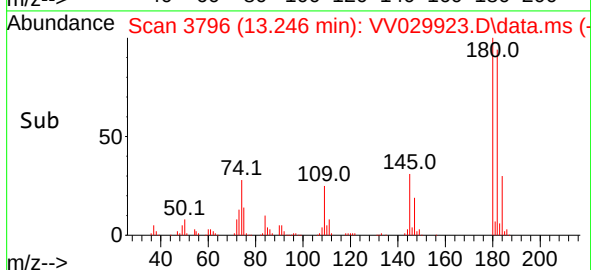
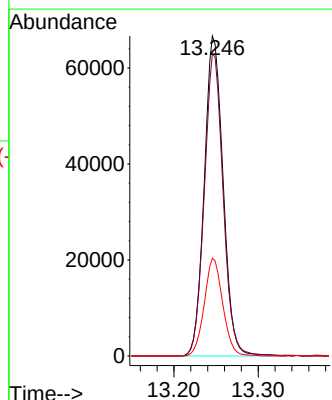
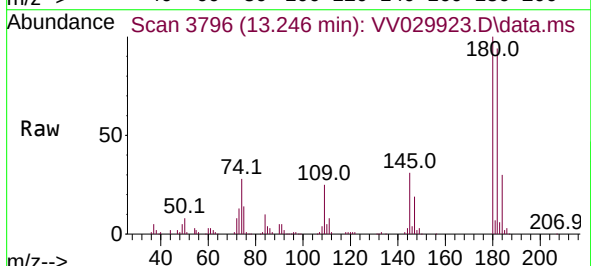
Tgt Ion:180 Resp: 103772

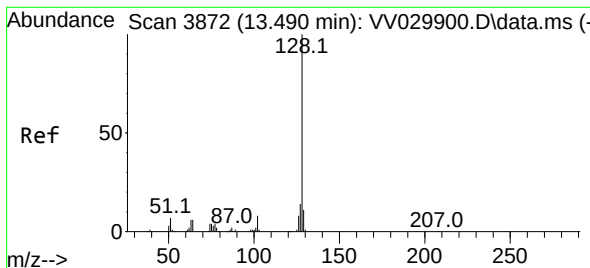
Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.8

145 30.0 23.7 35.5





#71

Naphthalene

Concen: 4.388 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD005390

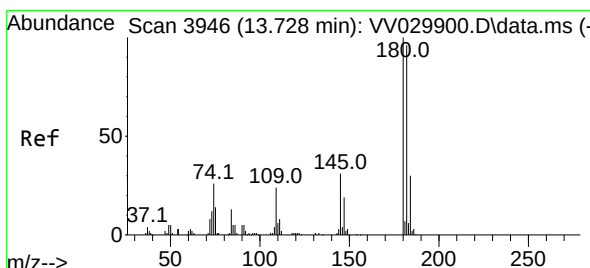
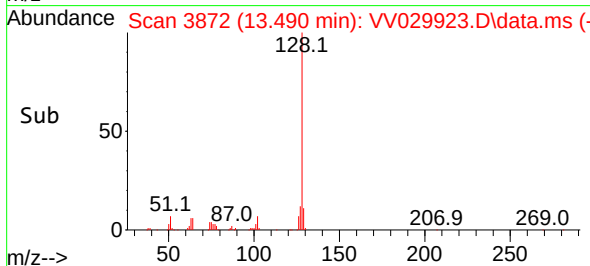
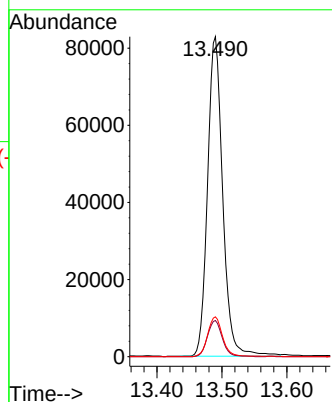
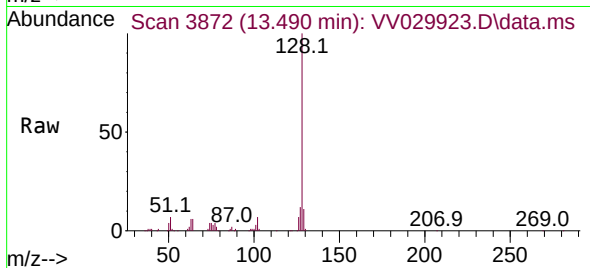
Tgt Ion:128 Resp: 134557

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.3 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.410 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.000 min

Lab File: VV029923.D

Acq: 24 Jan 2023 15:09

Tgt Ion:180 Resp: 86627

Ion Ratio Lower Upper

180 100

182 95.7 75.5 113.3

145 31.0 25.0 37.6

