

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040723\
 Data File : VW030456.D
 Acq On : 07 Apr 2023 20:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

Quant Time: Apr 10 04:00:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	121932	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	120324	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	71388	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	35904	4.446	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.536	69	37672	4.807	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.066	63	92221	4.812	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.200%
20) 2-Butanone-d5	3.815	46	103767	49.713	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.420%
24) Chloroform-d	4.259	84	102500	5.244	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
26) 1,2-Dichloroethane-d4	4.953	65	51277	5.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
32) Benzene-d6	4.970	84	181197	5.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	5.995	67	52852	4.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.252	98	173458	5.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
43) trans-1,3-Dichloroprop...	7.561	79	19381	4.849	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.034	63	81634	50.830	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.660%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	42164	5.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	67668	5.303	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	67490	4.354	ug/L	100
3) Chloromethane	1.217	50	81412	4.162	ug/L	99
5) Vinyl chloride	1.285	62	64306	4.510	ug/L	99
6) Bromomethane	1.491	94	19425	4.776	ug/L	97
8) Chloroethane	1.555	64	38541	4.718	ug/L	98
9) Trichlorofluoromethane	1.719	101	106307	5.114	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	53392	4.654	ug/L	99
12) 1,1-Dichloroethene	2.076	96	48022	4.714	ug/L	90
13) Acetone	2.140	43	74217	37.183	ug/L	81
14) Carbon disulfide	2.246	76	142637	4.250	ug/L	99
15) Methyl Acetate	2.391	43	17548	4.920	ug/L	91
16) Methylene chloride	2.452	84	51576	4.280	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	99079	4.592	ug/L	99
18) trans-1,2-Dichloroethene	2.700	96	47184	4.396	ug/L	98
19) 1,1-Dichloroethane	3.121	63	95743	4.601	ug/L	98
21) 2-Butanone	3.899	43	105880	42.145	ug/L	98
22) cis-1,2-Dichloroethene	3.822	96	51785	4.808	ug/L	97
23) Bromochloromethane	4.159	128	24217	4.814	ug/L	93
25) Chloroform	4.285	83	101759	4.840	ug/L	100

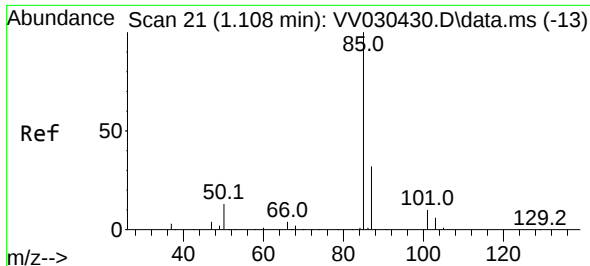
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	63111	4.964	ug/L	95
29) 1,1,1-Trichloroethane	4.523	97	95163	4.921	ug/L	98
30) Cyclohexane	4.597	56	76402	4.337	ug/L	96
31) Carbon tetrachloride	4.744	117	85775	4.888	ug/L	99
33) Benzene	5.021	78	204937	4.795	ug/L	100
34) Trichloroethene	5.841	95	52020	4.513	ug/L	99
35) Methylcyclohexane	6.059	83	81149	4.485	ug/L	98
37) 1,2-Dichloropropane	6.101	63	51686	4.711	ug/L	98
38) Bromodichloromethane	6.442	83	68138	4.742	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	68691	4.452	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	270201	46.736	ug/L	99
42) Toluene	7.323	91	228104	5.011	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	58140	4.429	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	35173	4.553	ug/L	99
47) Tetrachloroethene	7.912	164	48053	4.724	ug/L	97
48) 2-Hexanone	8.085	43	196788	45.449	ug/L	98
49) Dibromochloromethane	8.185	129	44162	4.802	ug/L	97
50) 1,2-Dibromoethane	8.291	107	32851	4.674	ug/L	98
51) Chlorobenzene	8.821	112	142652	4.894	ug/L	99
52) Ethylbenzene	8.953	91	236952	4.758	ug/L	98
53) m,p-Xylene	9.082	106	93078	4.882	ug/L	98
54) o-Xylene	9.487	106	88733	4.864	ug/L	98
55) Styrene	9.503	104	152104	4.909	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	42524	4.637	ug/L	98
59) Bromoform	9.674	173	26004	4.507	ug/L	99
60) Isopropylbenzene	9.876	105	240992	4.578	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	28933	4.533	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	192029	4.470	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	200980	4.591	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	123370	4.699	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	122418	4.629	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	111583	4.717	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6976	4.394	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	93371	4.619	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	70622	4.525	ug/L	98
71) Naphthalene	13.448	128	95523	4.286	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	60701	4.490	ug/L	100

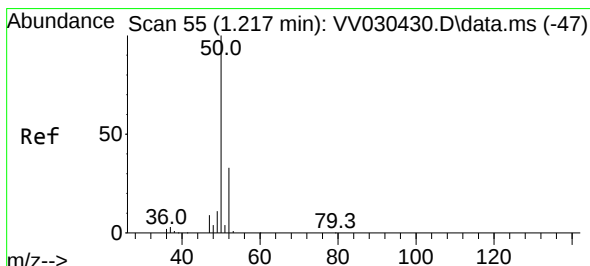
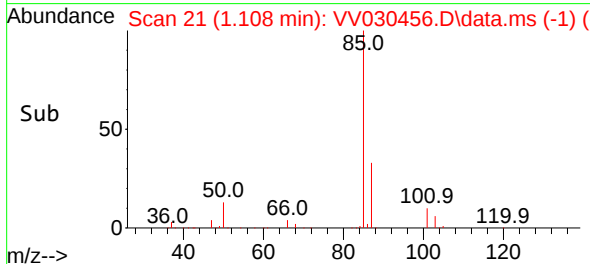
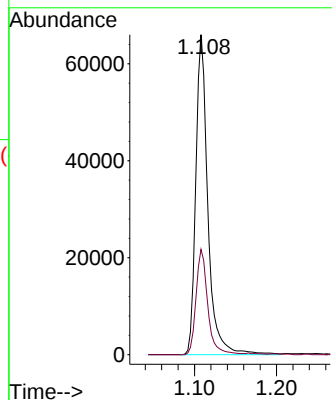
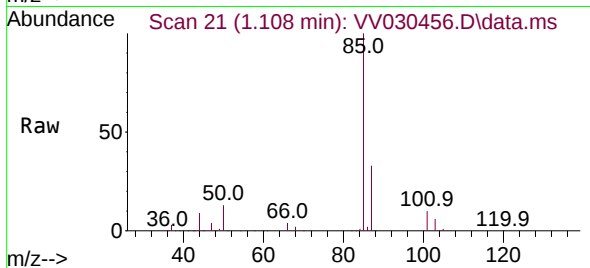
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#2
 Dichlorodifluoromethane
 Concen: 4.354 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

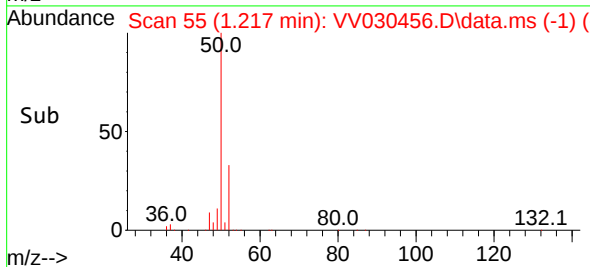
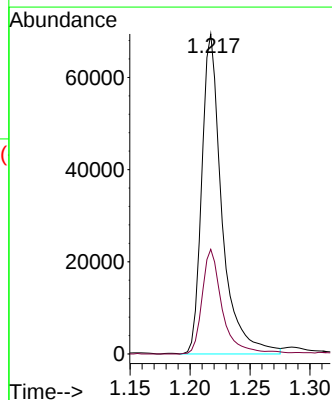
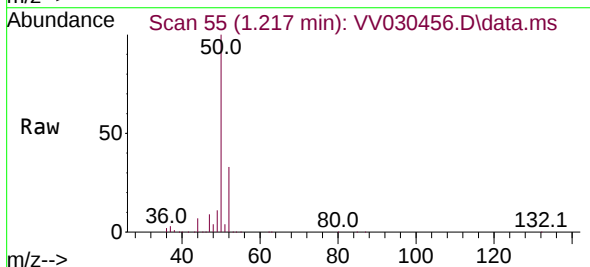
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

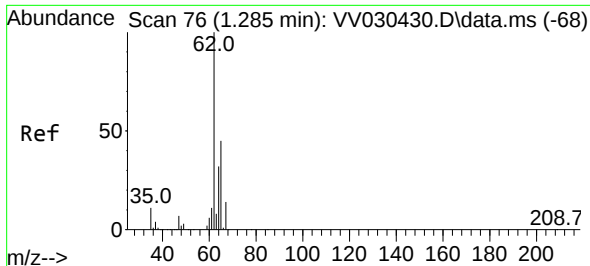
Tgt Ion: 85 Resp: 67490
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.6 38.4



#3
 Chloromethane
 Concen: 4.162 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

Tgt Ion: 50 Resp: 81412
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.3 41.5

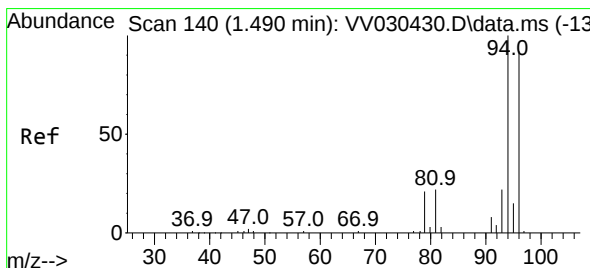
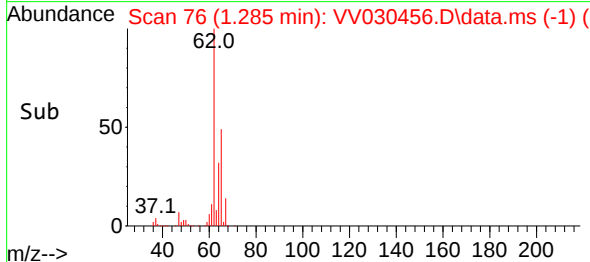
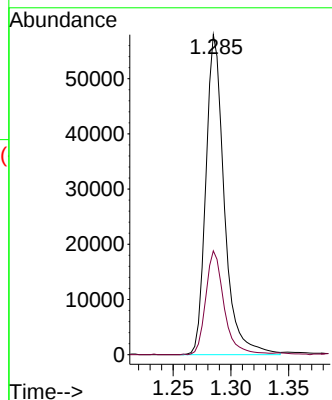
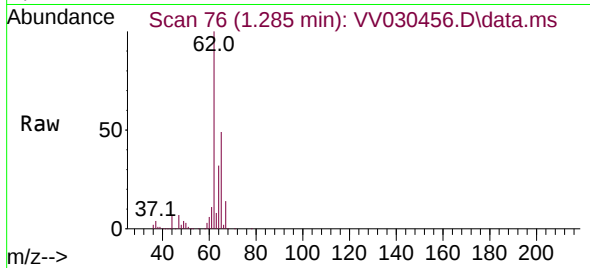




#5
 Vinyl chloride
 Concen: 4.510 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

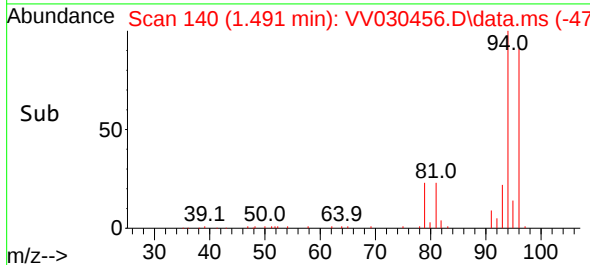
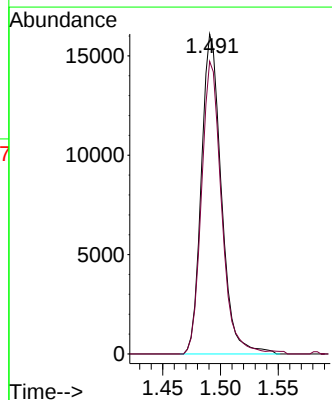
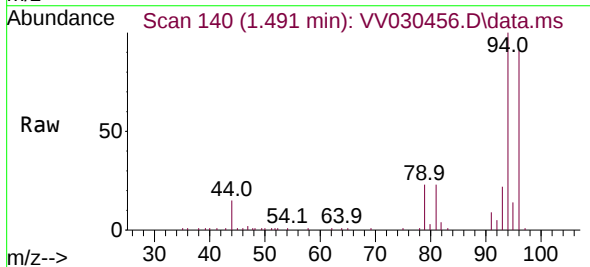
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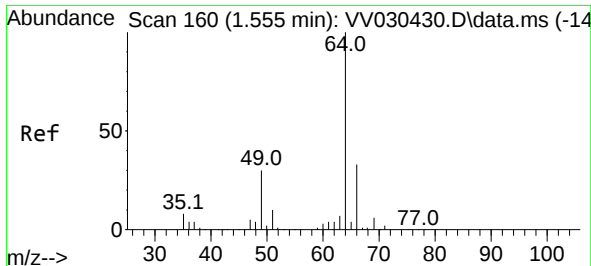
Tgt Ion: 62 Resp: 64306
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.2



#6
 Bromomethane
 Concen: 4.776 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

Tgt Ion: 94 Resp: 19425
 Ion Ratio Lower Upper
 94 100
 96 91.4 66.1 122.7

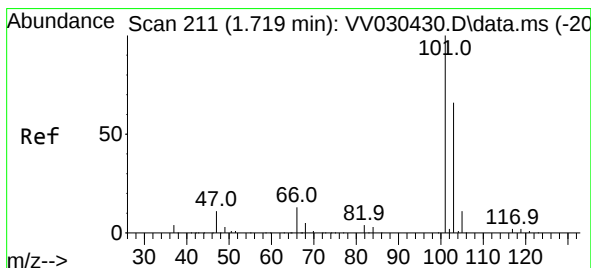
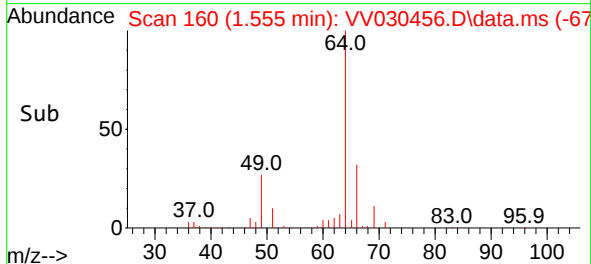
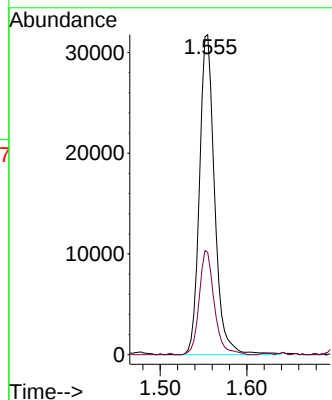
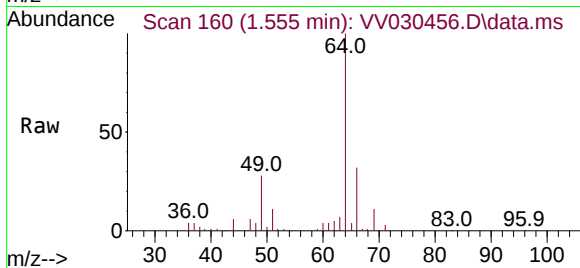




#8
Chloroethane
Concen: 4.718 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

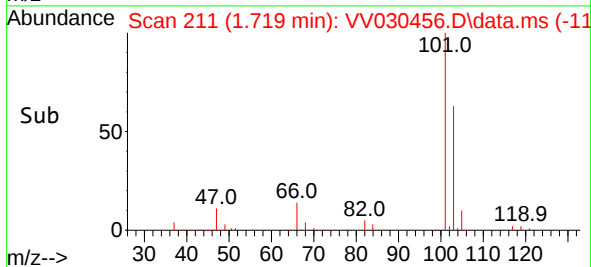
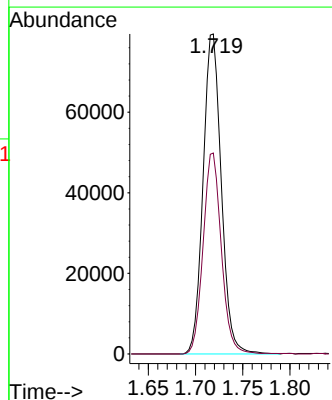
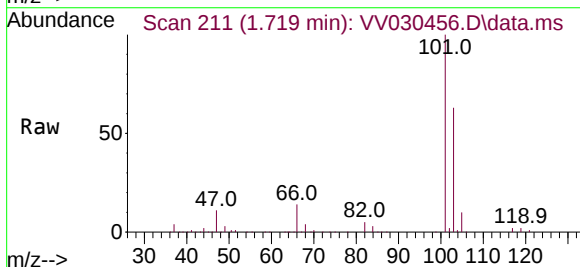
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ClientSampleId :
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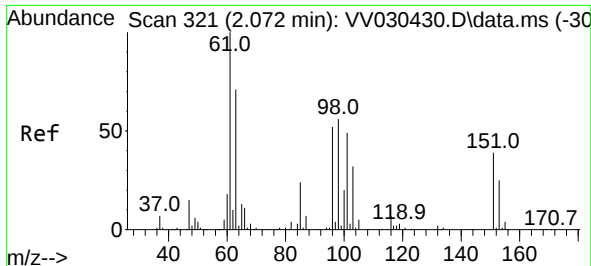
Tgt Ion: 64 Resp: 38541
Ion Ratio Lower Upper
64 100
66 32.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.114 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion:101 Resp: 106307
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.654 ug/L

RT: 2.073 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

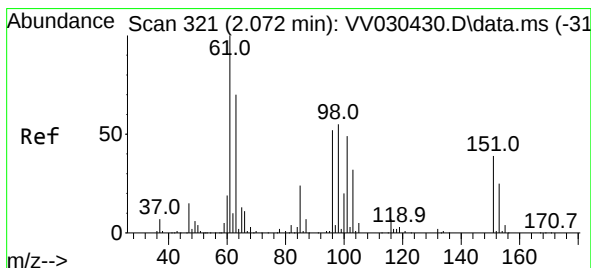
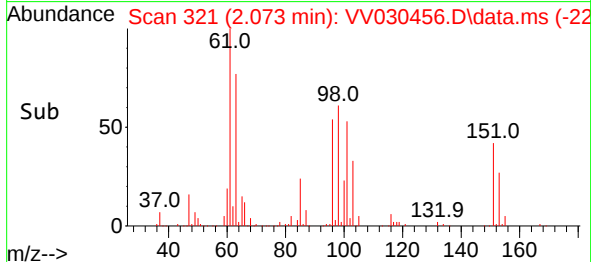
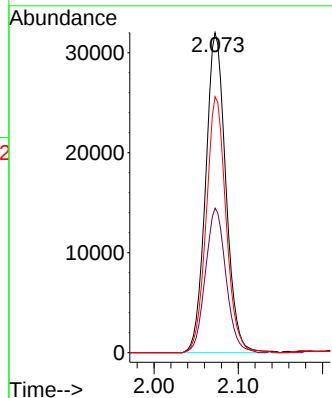
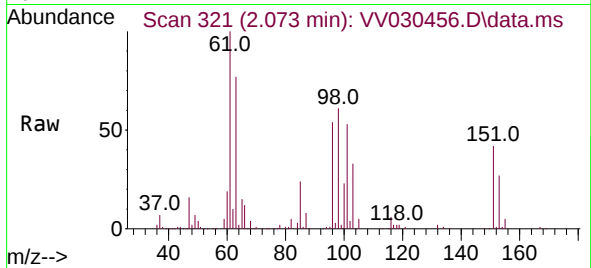
Tgt Ion:101 Resp: 53392

Ion Ratio Lower Upper

101 100

85 45.9 38.1 57.1

151 78.7 62.7 94.1



#12

1,1-Dichloroethene

Concen: 4.714 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

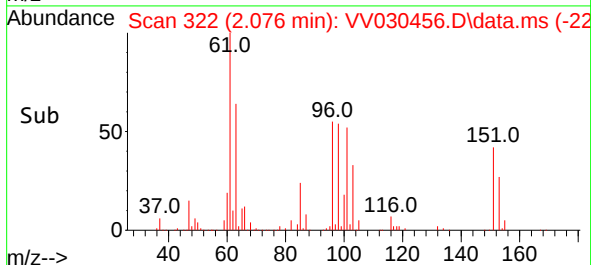
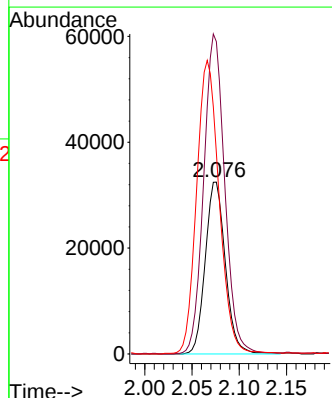
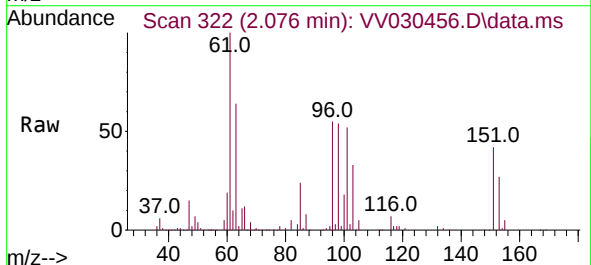
Tgt Ion: 96 Resp: 48022

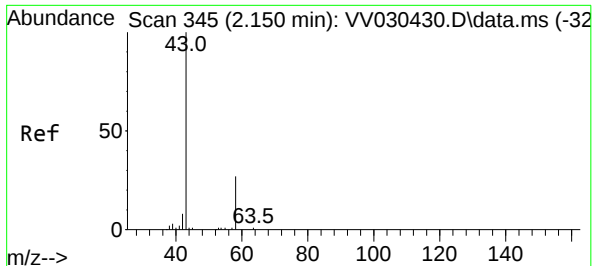
Ion Ratio Lower Upper

96 100

61 181.7 136.3 253.1

63 117.1 92.1 171.1





#13

Acetone

Concen: 37.183 ug/L

RT: 2.140 min Scan# 345

Delta R.T. -0.010 min

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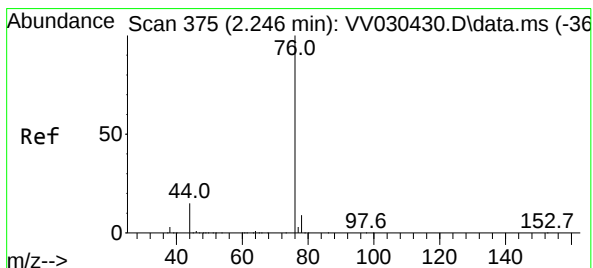
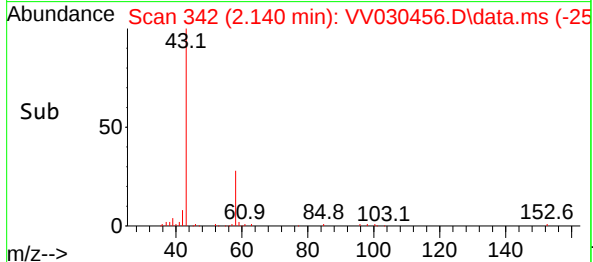
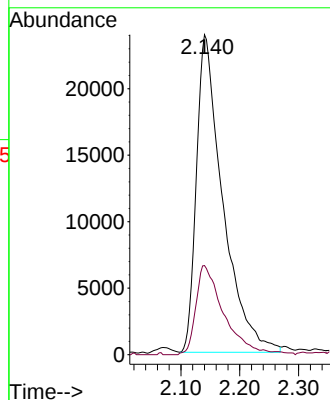
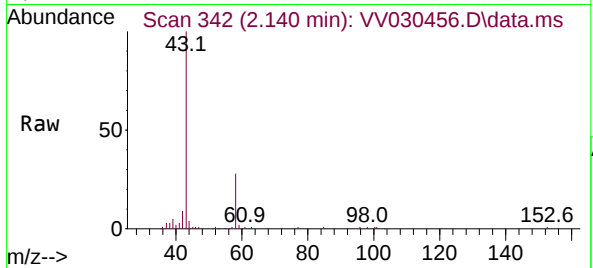
VSTD005325

Tgt Ion: 43 Resp: 74217

Ion Ratio Lower Upper

43 100

58 29.0 0.0 40.8



#14

Carbon disulfide

Concen: 4.250 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030456.D

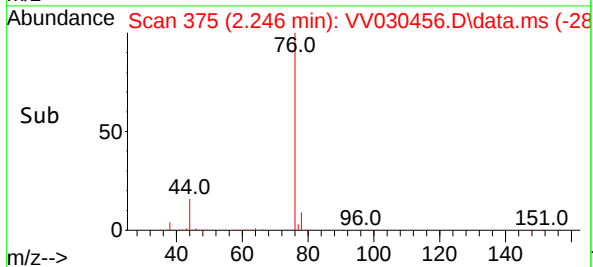
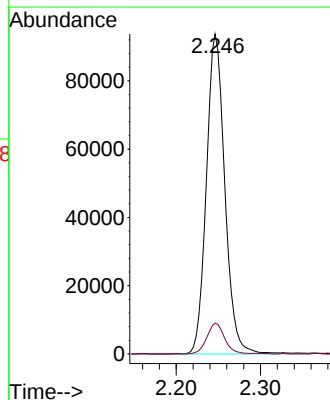
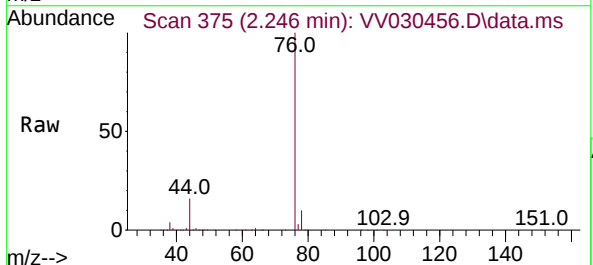
Acq: 07 Apr 2023 20:37

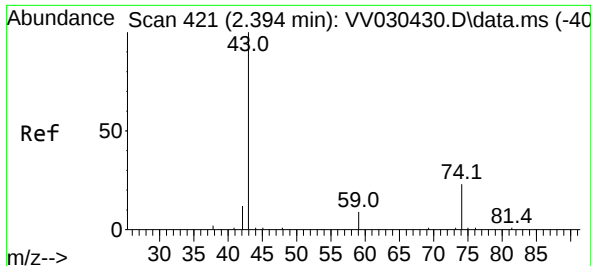
Tgt Ion: 76 Resp: 142637

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

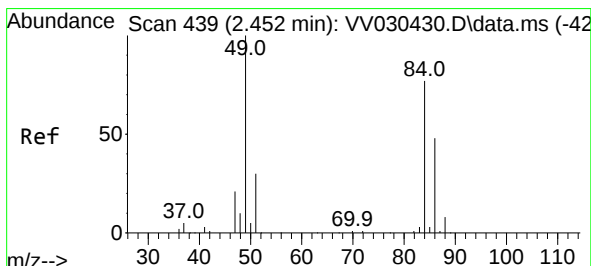
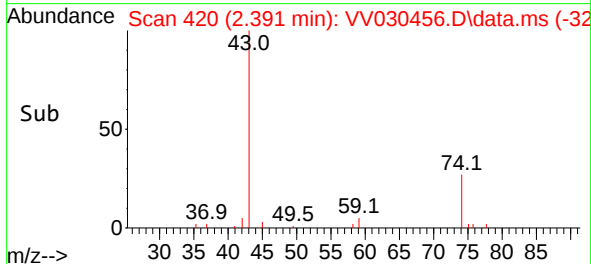
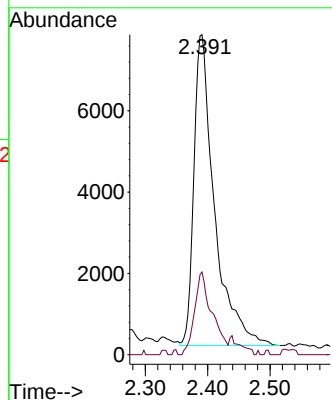
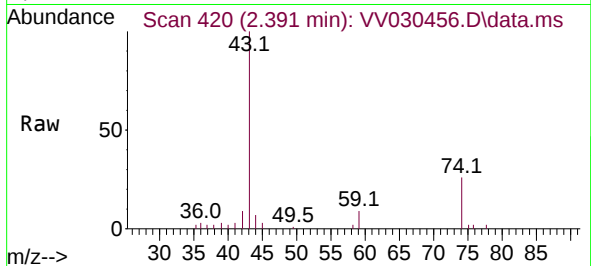




#15
Methyl Acetate
Concen: 4.920 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

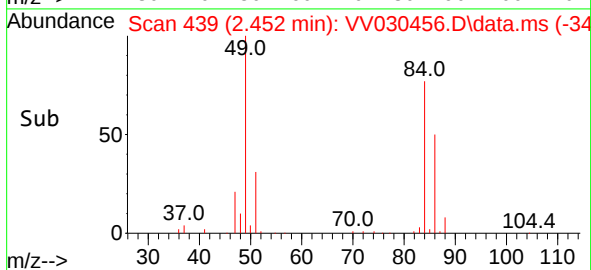
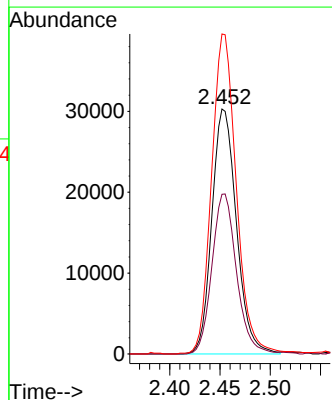
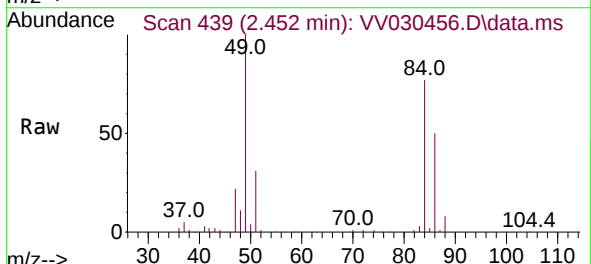
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

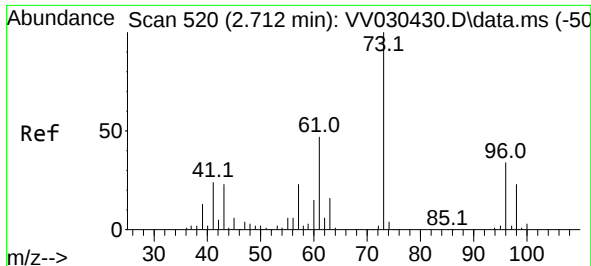
Tgt Ion: 43 Resp: 17548
Ion Ratio Lower Upper
43 100
74 22.8 22.1 33.1



#16
Methylene chloride
Concen: 4.280 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 84 Resp: 51576
Ion Ratio Lower Upper
84 100
86 65.2 44.0 81.6
49 130.6 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.592 ug/L

RT: 2.712 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

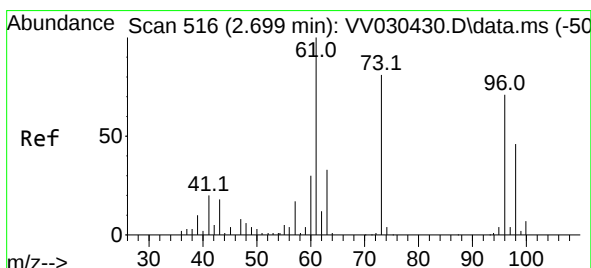
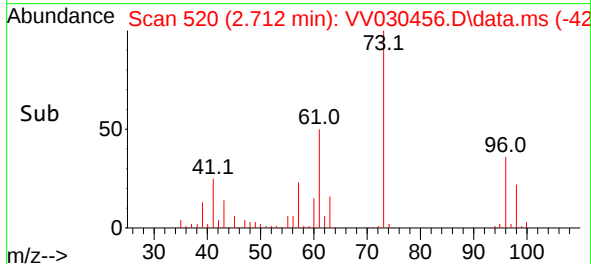
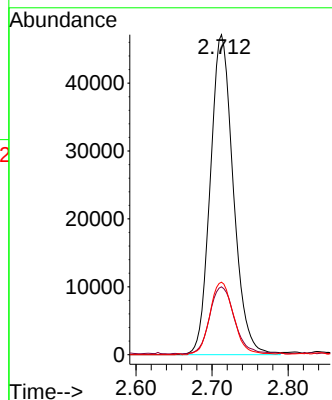
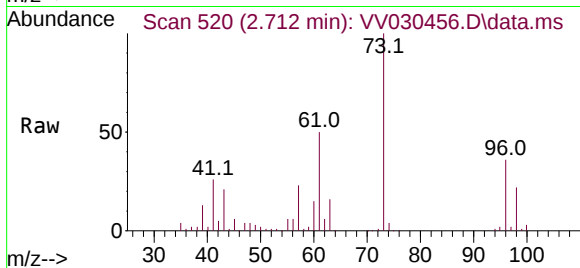
Tgt Ion: 73 Resp: 99079

Ion Ratio Lower Upper

73 100

43 22.5 17.4 26.2

57 23.4 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.396 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

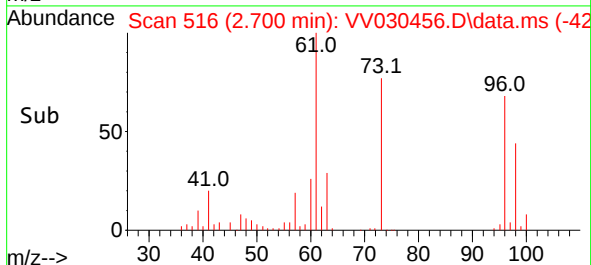
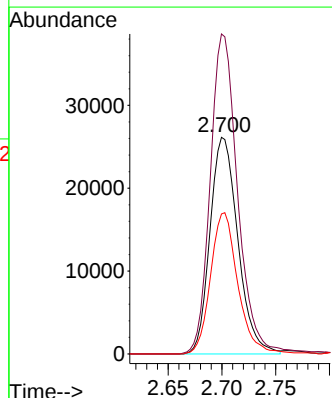
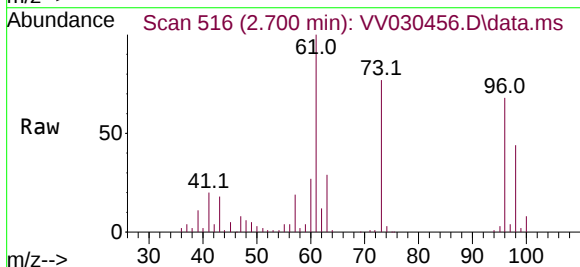
Tgt Ion: 96 Resp: 47184

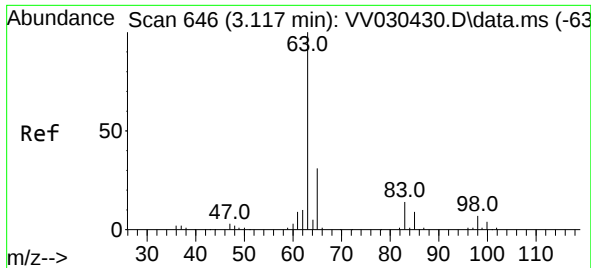
Ion Ratio Lower Upper

96 100

61 147.7 101.7 188.9

98 64.6 45.8 85.2

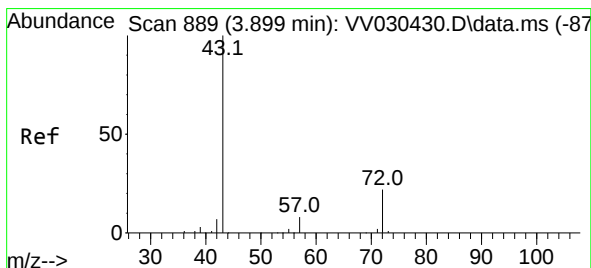
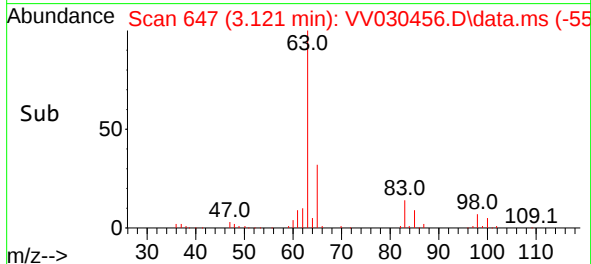
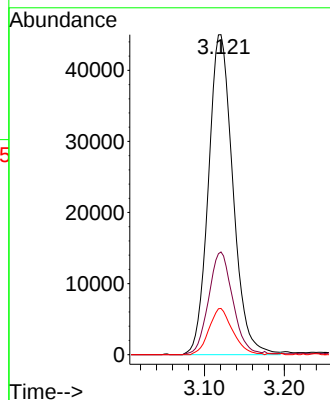
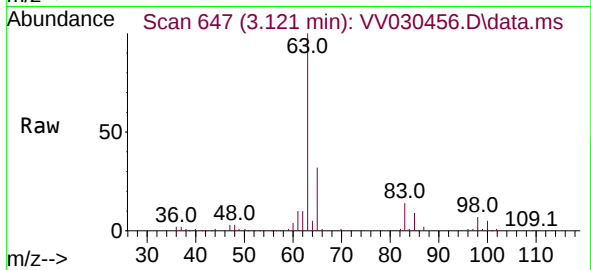




#19
1,1-Dichloroethane
Concen: 4.601 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

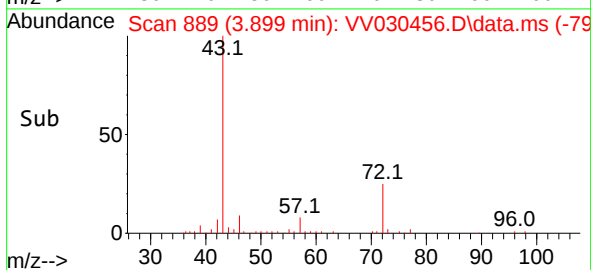
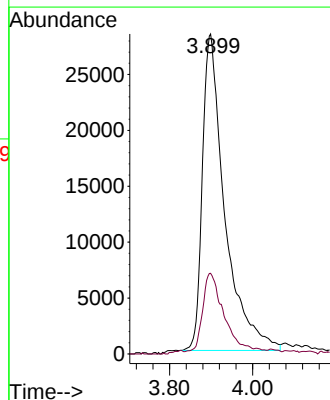
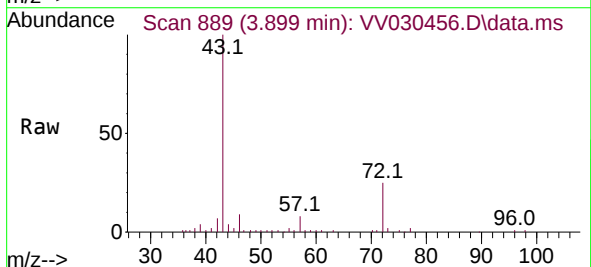
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

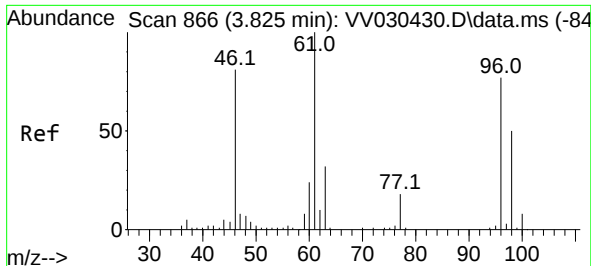
Tgt Ion: 63 Resp: 95743
Ion Ratio Lower Upper
63 100
65 32.1 21.7 40.3
83 14.4 9.1 16.9



#21
2-Butanone
Concen: 42.145 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 43 Resp: 105880
Ion Ratio Lower Upper
43 100
72 23.4 11.2 33.5

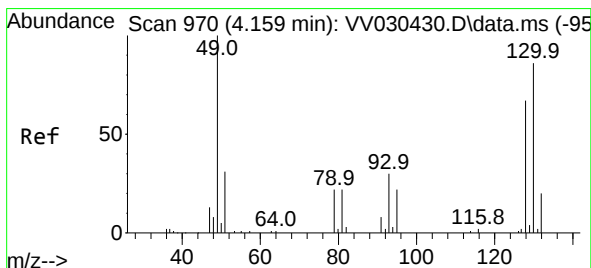
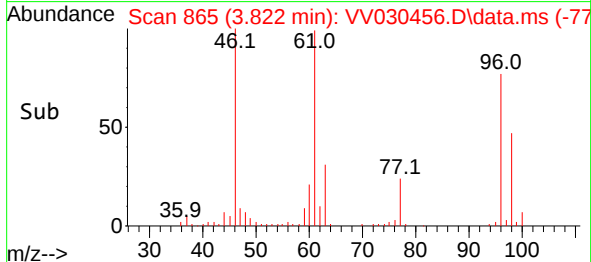
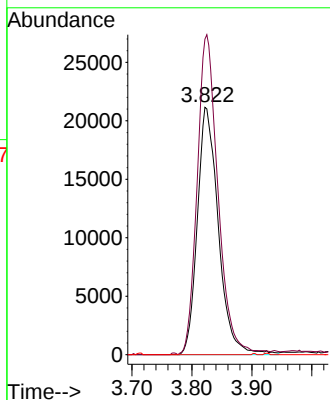
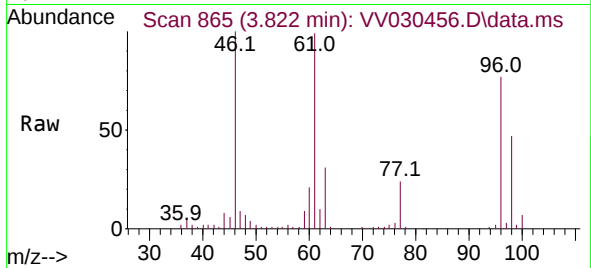




#22
 cis-1,2-Dichloroethene
 Concen: 4.808 ug/L
 RT: 3.822 min Scan# 866
 Delta R.T. -0.003 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

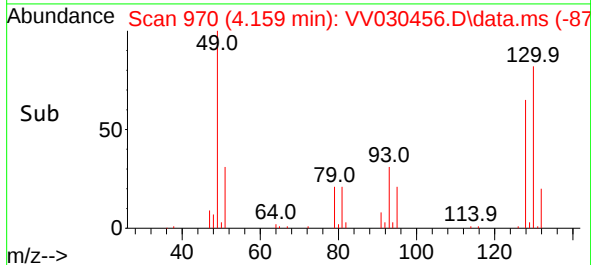
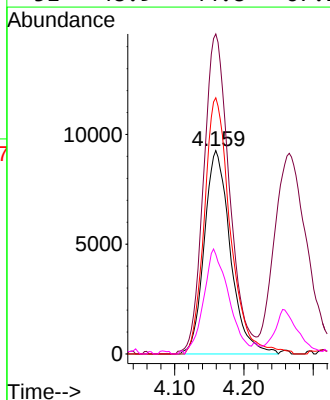
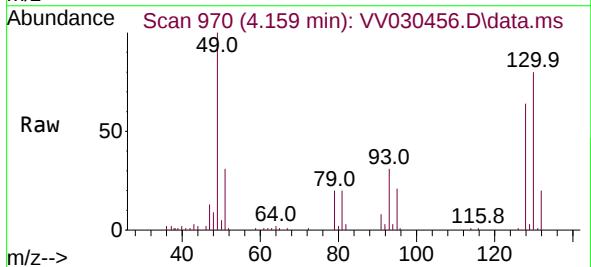
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

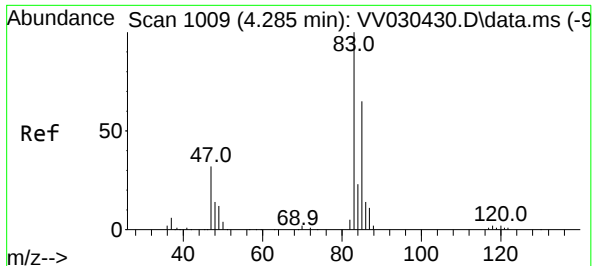
Tgt Ion: 96 Resp: 51785
 Ion Ratio Lower Upper
 96 100
 61 127.6 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.814 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

Tgt Ion: 128 Resp: 24217
 Ion Ratio Lower Upper
 128 100
 49 157.3 119.4 221.8
 130 126.0 89.2 165.8
 51 48.9 44.8 67.2





#25

Chloroform

Concen: 4.840 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

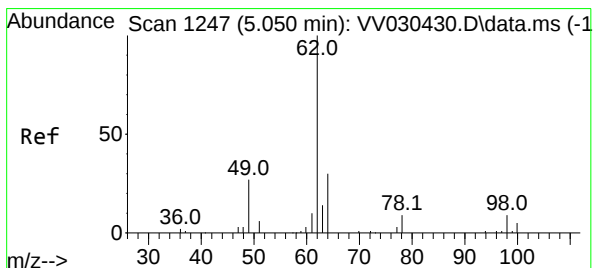
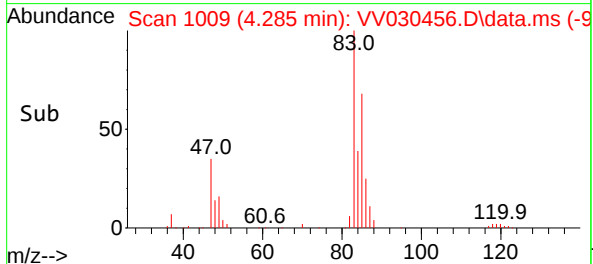
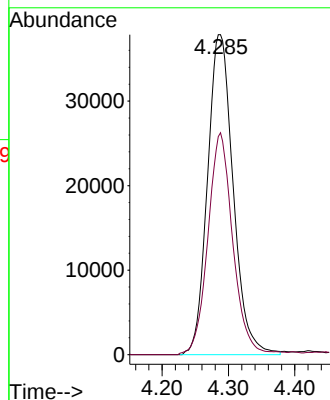
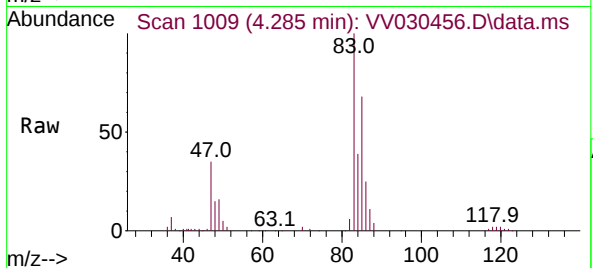
VSTD005325

Tgt Ion: 83 Resp: 101759

Ion Ratio Lower Upper

83 100

85 68.2 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.964 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030456.D

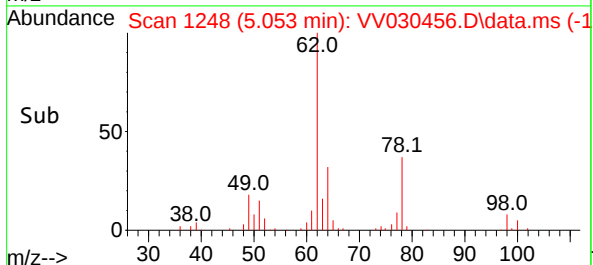
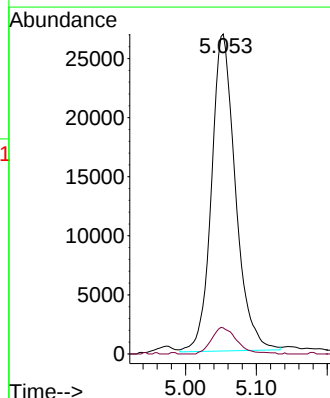
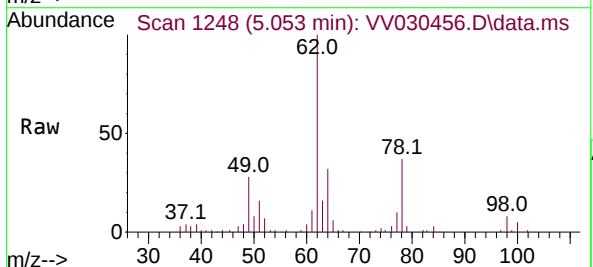
Acq: 07 Apr 2023 20:37

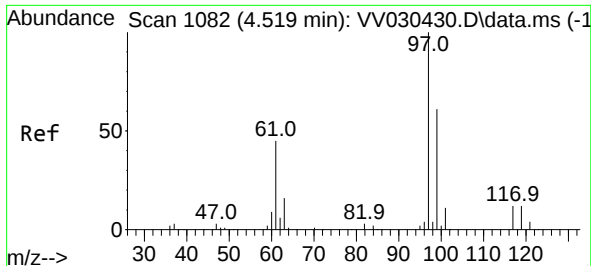
Tgt Ion: 62 Resp: 63111

Ion Ratio Lower Upper

62 100

98 8.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.921 ug/L

RT: 4.523 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

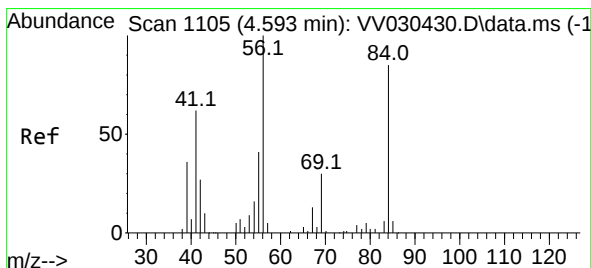
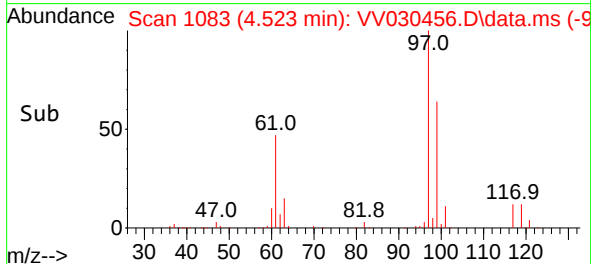
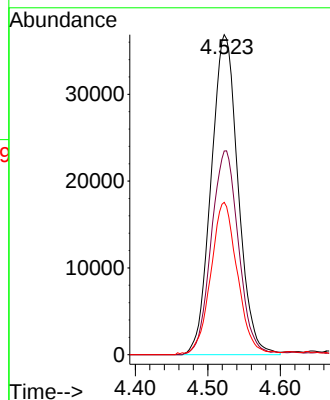
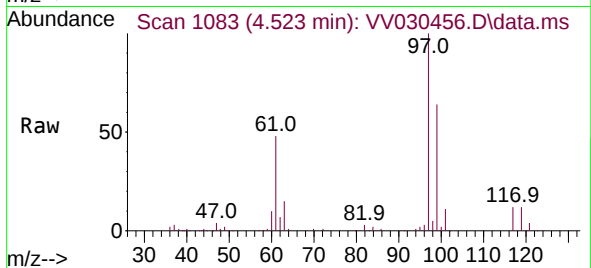
Tgt Ion: 97 Resp: 95163

Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 47.0 35.9 53.9



#30

Cyclohexane

Concen: 4.337 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

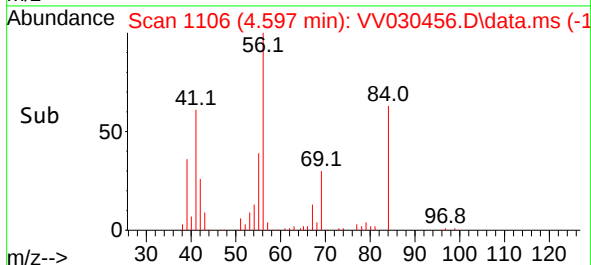
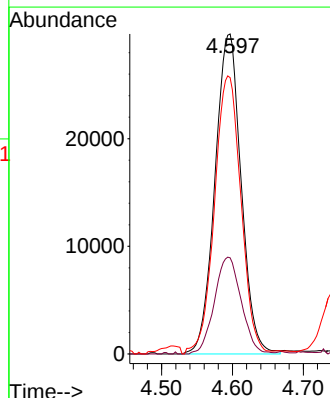
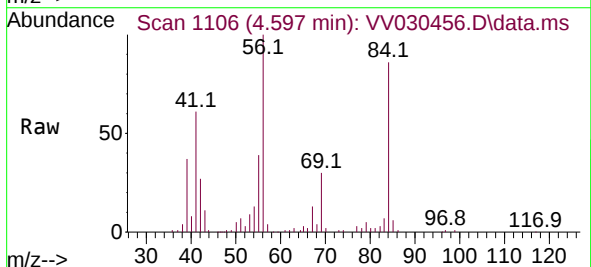
Tgt Ion: 56 Resp: 76402

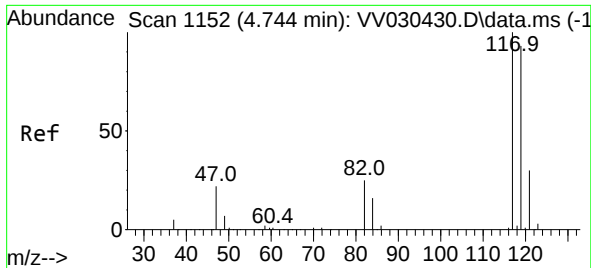
Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.2

84 87.8 66.6 100.0

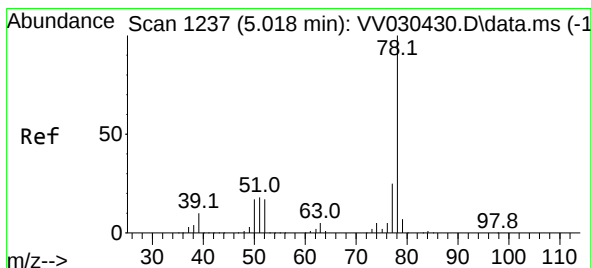
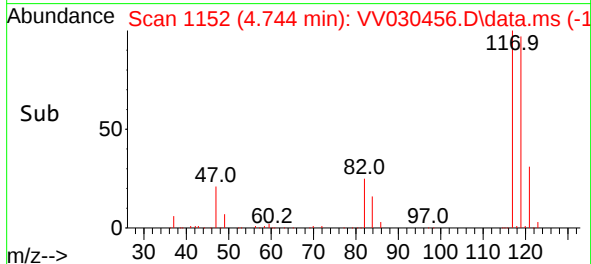
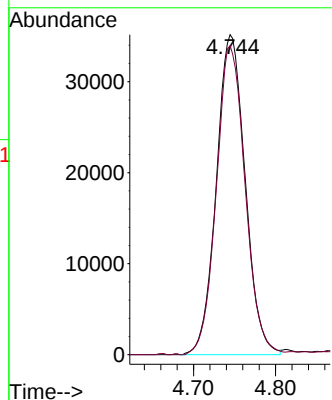
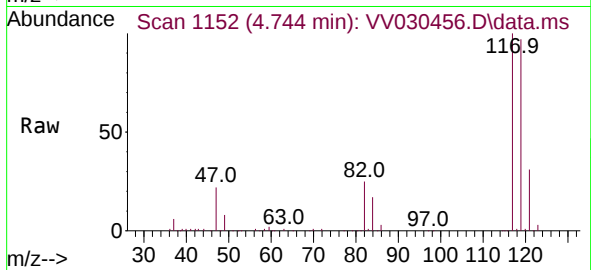




#31
Carbon tetrachloride
Concen: 4.888 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

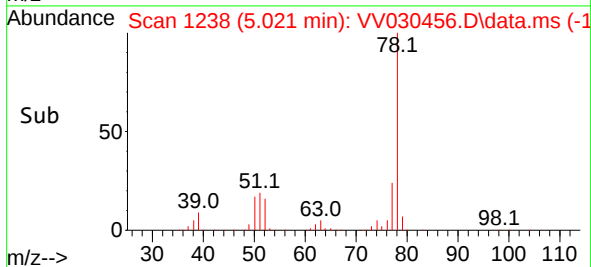
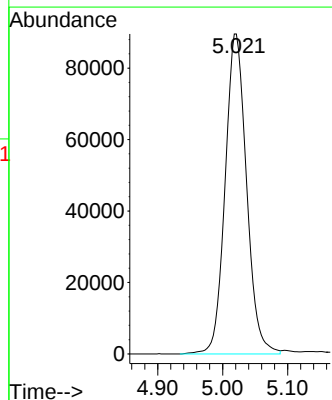
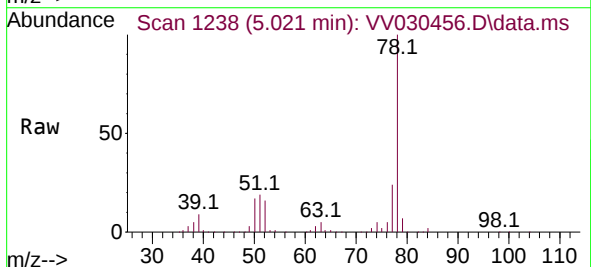
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

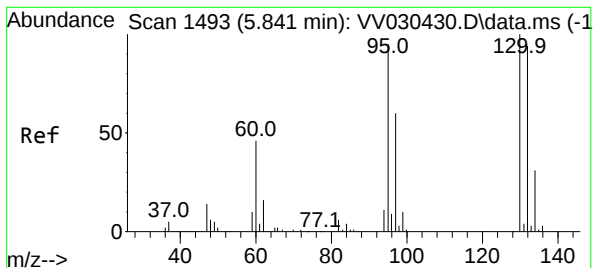
Tgt Ion:117 Resp: 85775
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.4



#33
Benzene
Concen: 4.795 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 78 Resp: 204937





#34

Trichloroethene

Concen: 4.513 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

Tgt Ion: 95 Resp: 52020

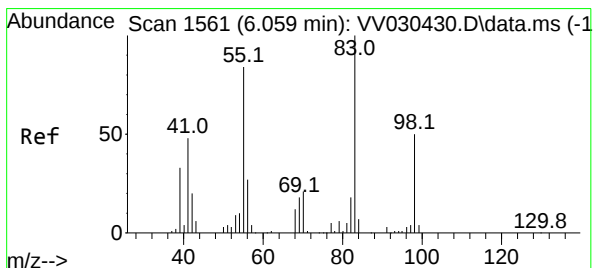
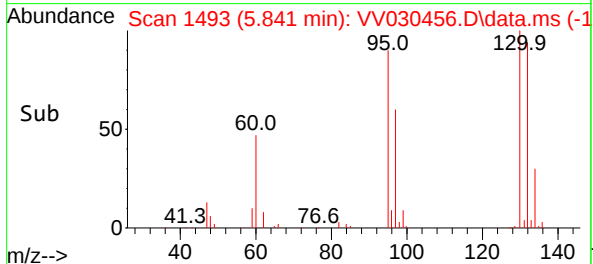
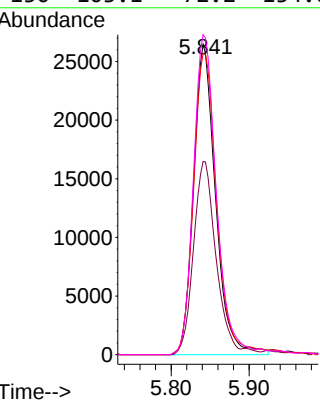
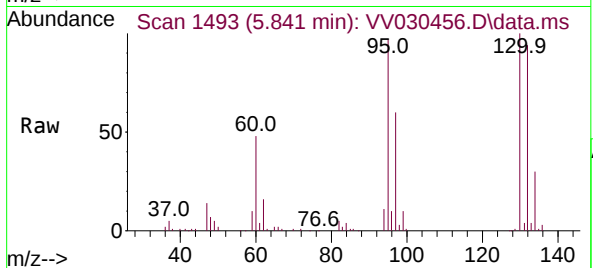
Ion Ratio Lower Upper

95 100

97 62.2 44.2 82.2

132 97.0 69.5 129.1

130 103.1 72.2 134.0



#35

Methylcyclohexane

Concen: 4.485 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

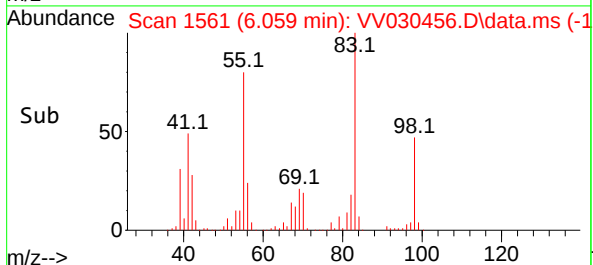
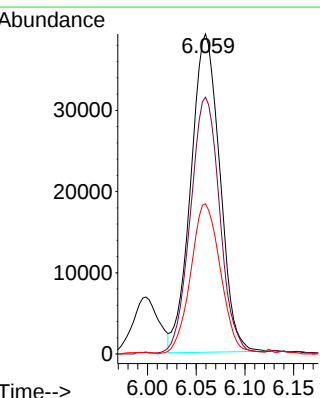
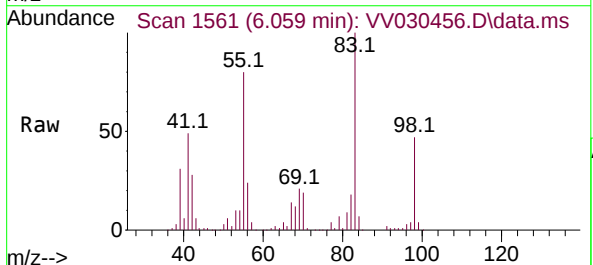
Tgt Ion: 83 Resp: 81149

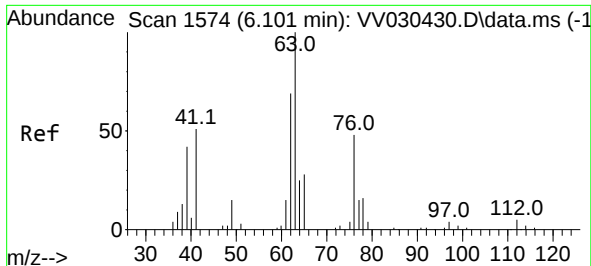
Ion Ratio Lower Upper

83 100

55 81.2 66.6 100.0

98 48.7 38.6 58.0





#37

1,2-Dichloropropane

Concen: 4.711 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

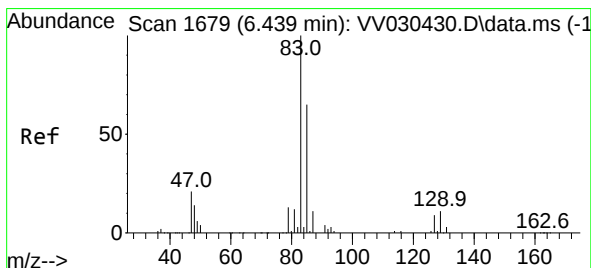
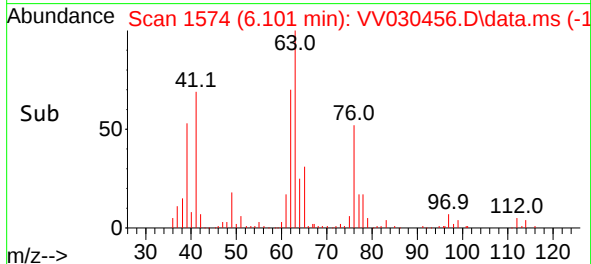
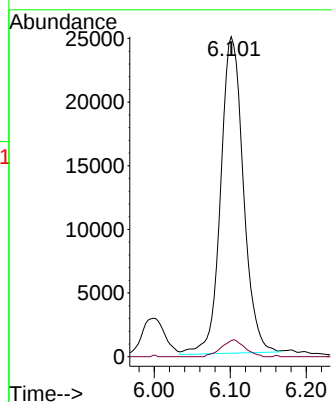
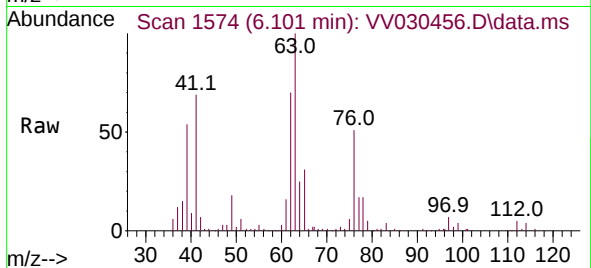
VSTD005325

Tgt Ion: 63 Resp: 51686

Ion Ratio Lower Upper

63 100

112 5.5 3.9 5.9



#38

Bromodichloromethane

Concen: 4.742 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

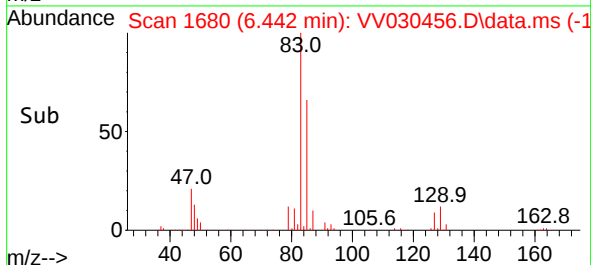
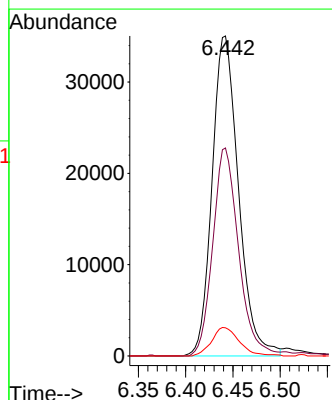
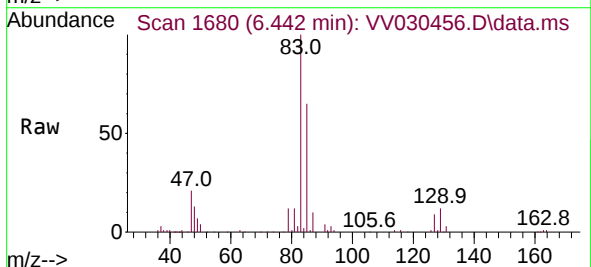
Tgt Ion: 83 Resp: 68138

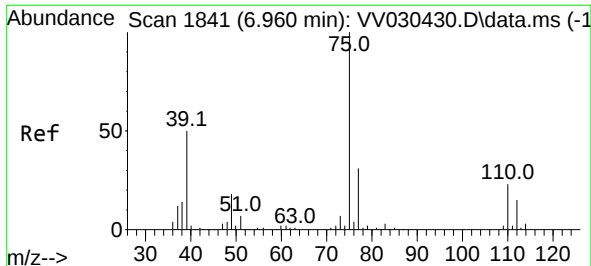
Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1

127 8.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.452 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

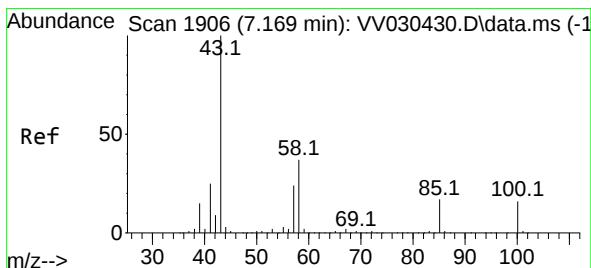
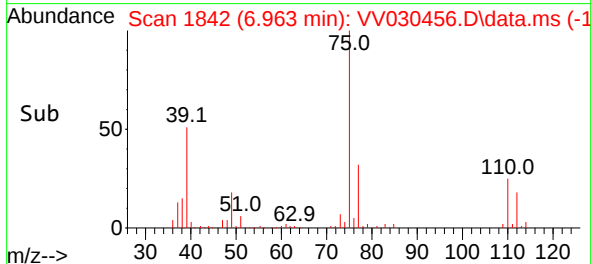
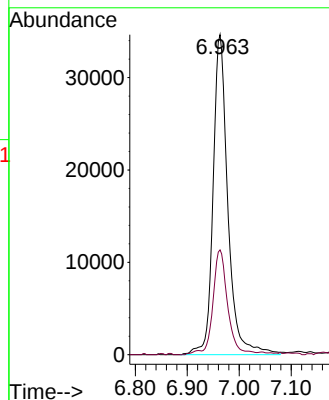
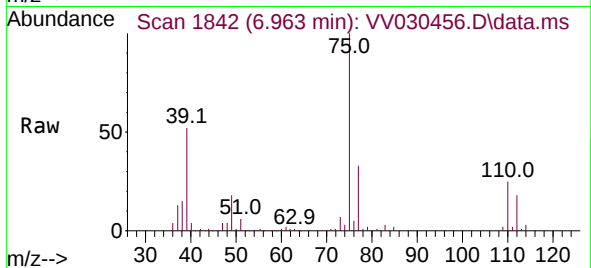
VSTD005325

Tgt Ion: 75 Resp: 68691

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 46.736 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

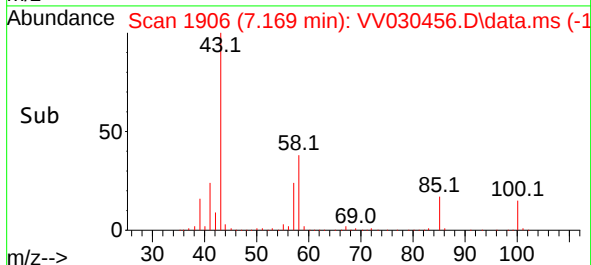
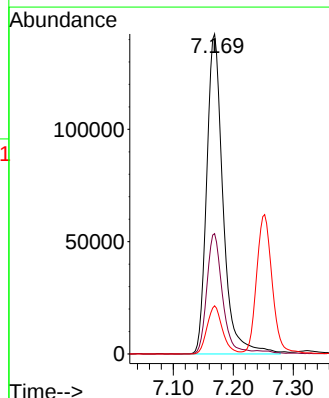
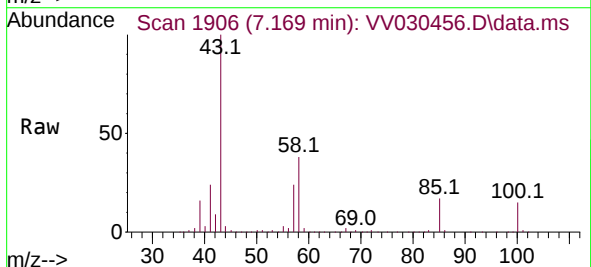
Tgt Ion: 43 Resp: 270201

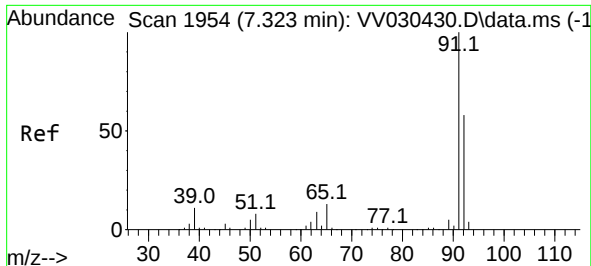
Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2

100 14.1 10.7 16.1

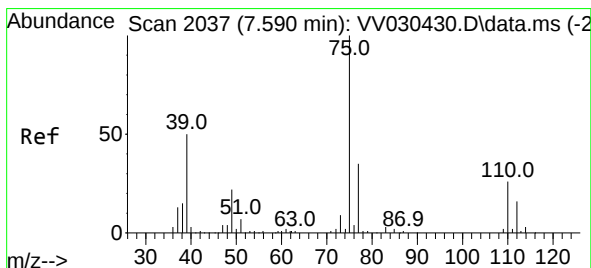
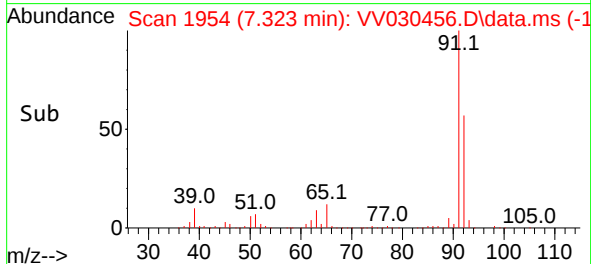
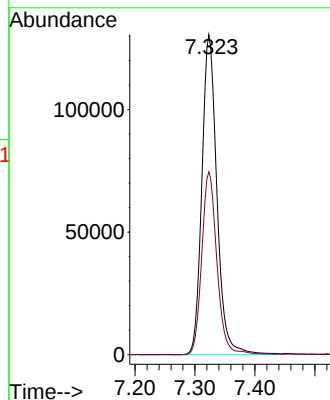
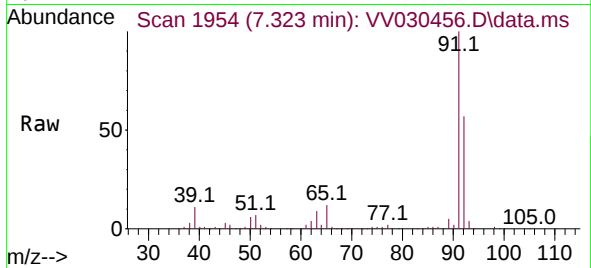




#42
Toluene
Concen: 5.011 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

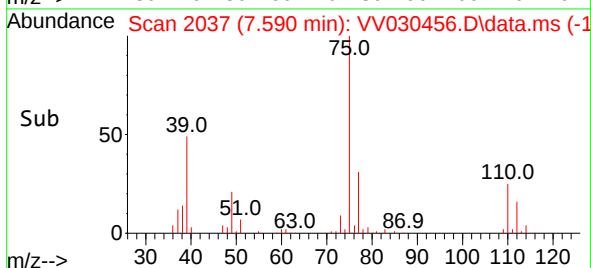
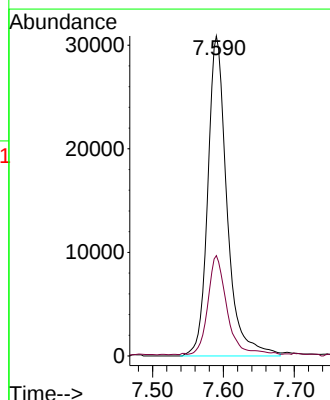
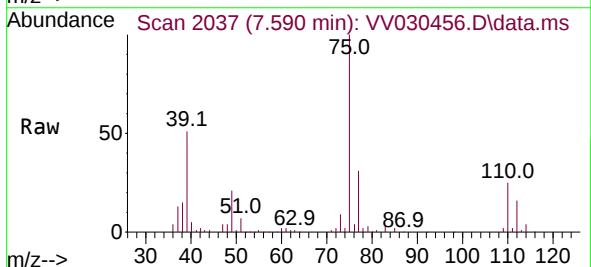
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

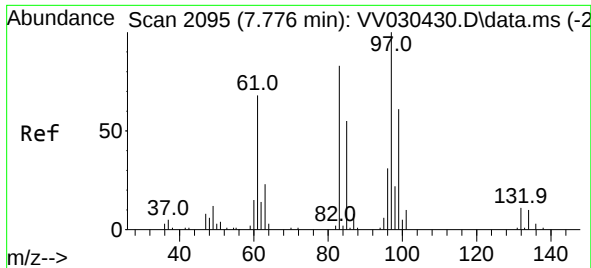
Tgt Ion: 91 Resp: 228104
Ion Ratio Lower Upper
91 100
92 57.2 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 4.429 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 75 Resp: 58140
Ion Ratio Lower Upper
75 100
77 31.3 21.2 39.4

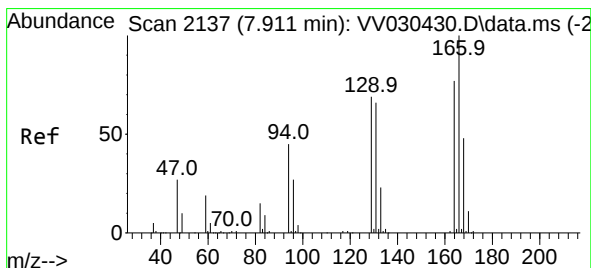
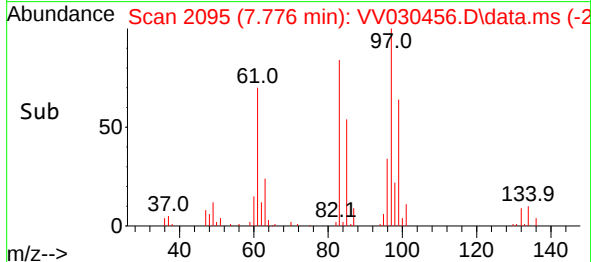
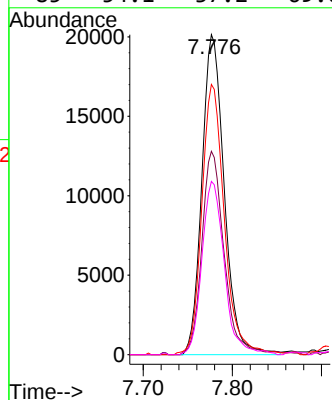
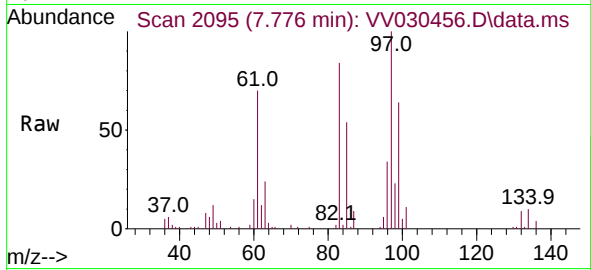




#45
1,1,2-Trichloroethane
Concen: 4.553 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

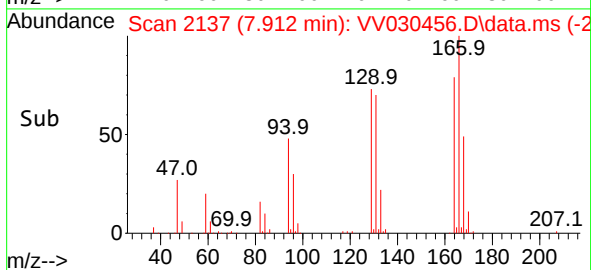
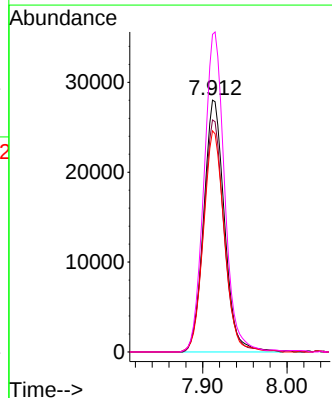
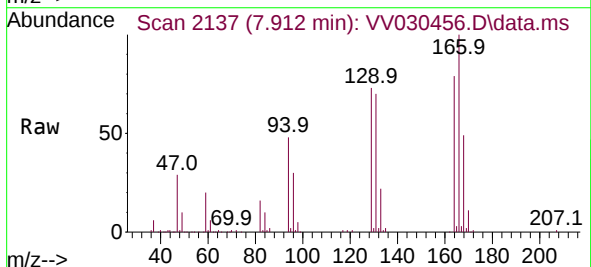
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

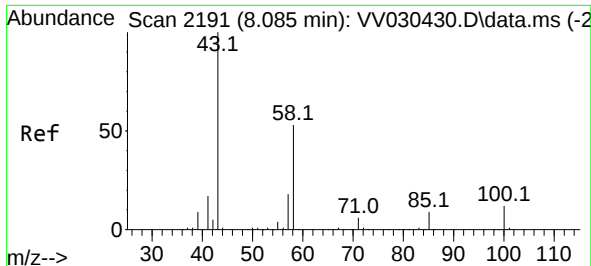
Tgt Ion: 97	Resp: 35173
Ion Ratio	Lower Upper
97 100	
99 63.6	44.0 81.8
83 84.5	58.8 109.2
85 54.1	37.2 69.0



#47
Tetrachloroethene
Concen: 4.724 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt	Ion:164	Resp:	48053
Ion	Ratio	Lower	Upper
164	100		
129	92.1	60.8	112.8
131	87.8	61.7	114.7
166	126.1	85.6	159.0



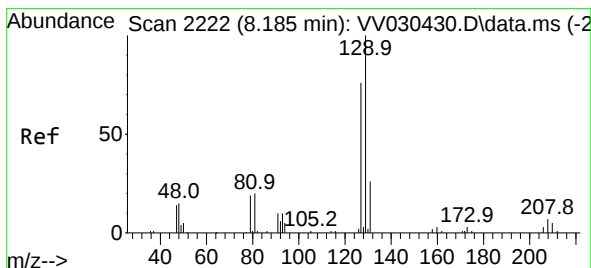
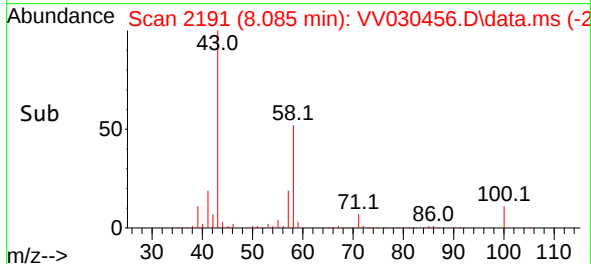
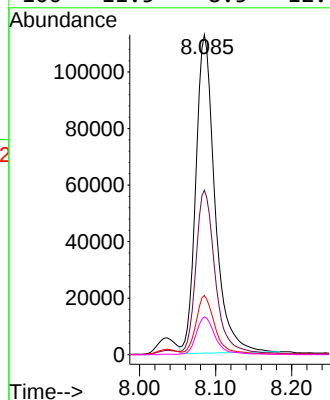
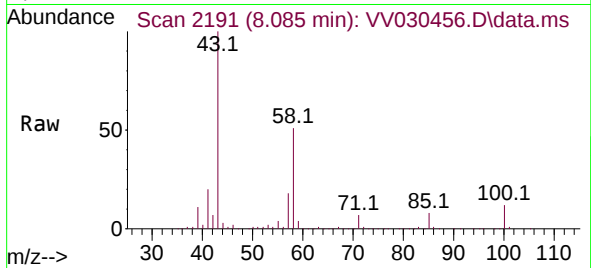


#48
2-Hexanone
Concen: 45.449 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

Tgt Ion: 43 Resp: 196788

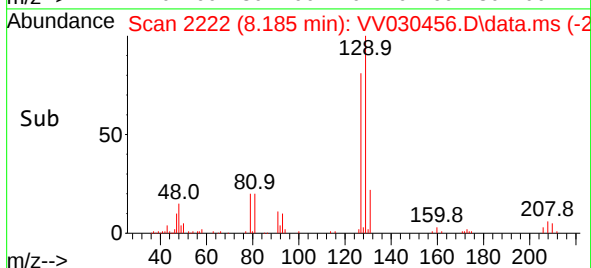
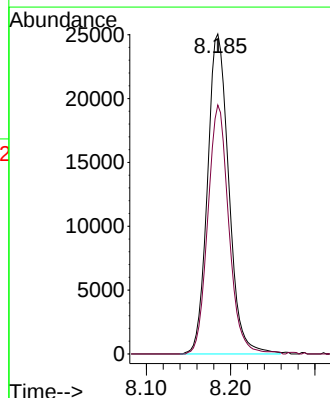
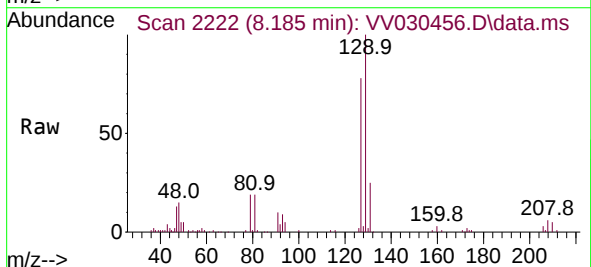
Ion	Ratio	Lower	Upper
43	100		
58	52.4	40.3	60.5
57	18.2	14.6	22.0
100	11.5	8.5	12.7

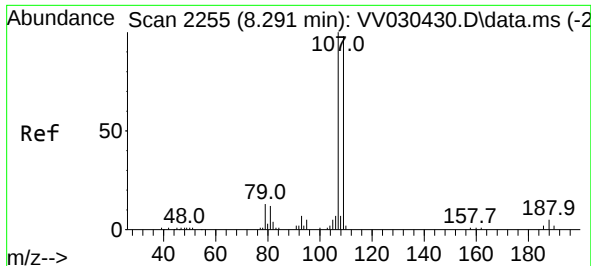


#49
Dibromochloromethane
Concen: 4.802 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 129 Resp: 44162

Ion	Ratio	Lower	Upper
129	100		
127	77.8	52.7	97.9





#50

1,2-Dibromoethane

Concen: 4.674 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

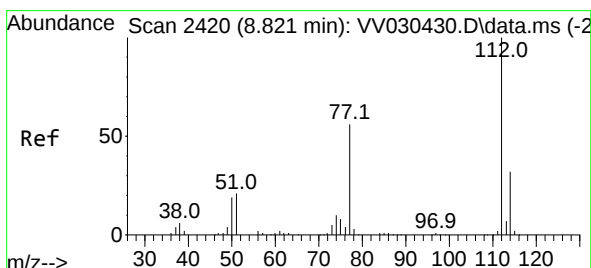
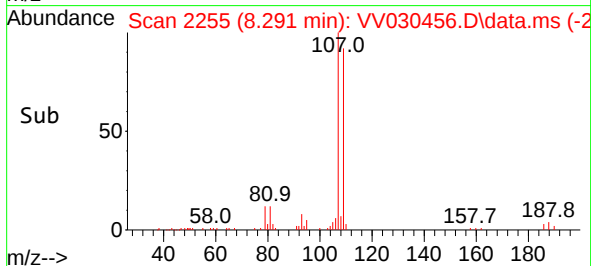
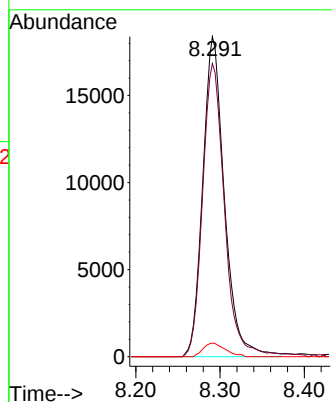
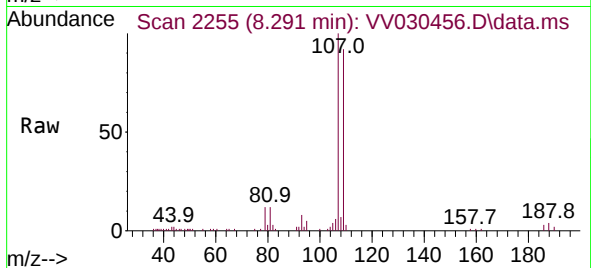
Tgt Ion:107 Resp: 32851

Ion Ratio Lower Upper

107 100

109 91.6 62.9 116.9

188 4.3 3.0 4.6



#51

Chlorobenzene

Concen: 4.894 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

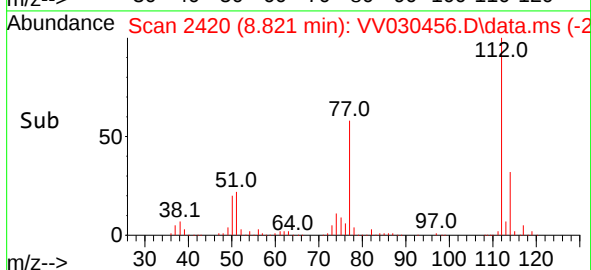
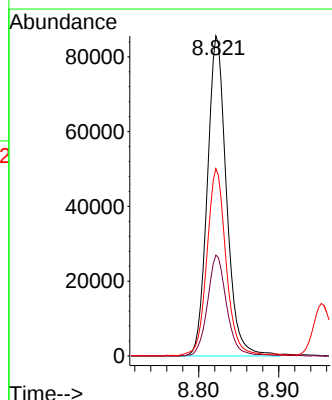
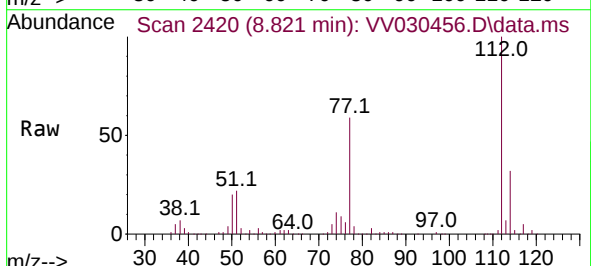
Tgt Ion:112 Resp: 142652

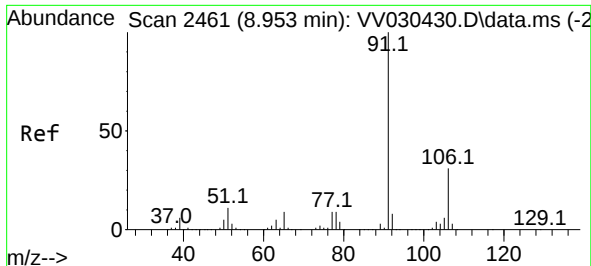
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 58.6 45.9 68.9

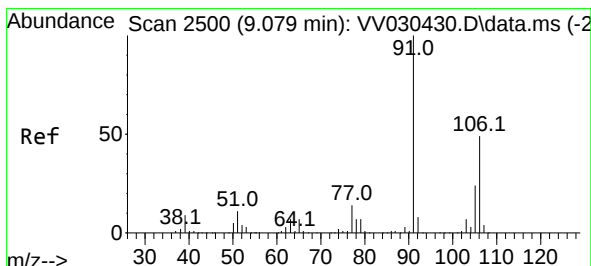
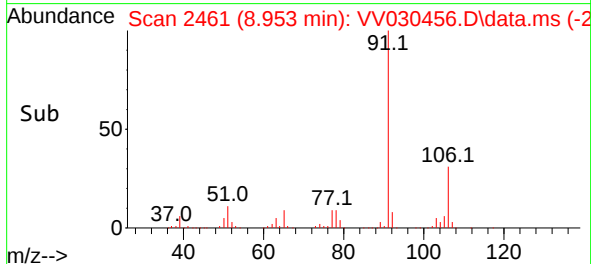
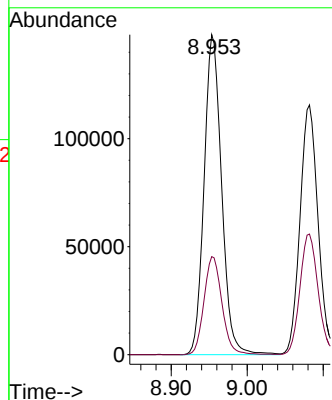
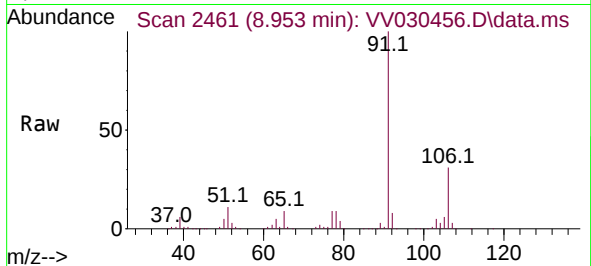




#52
Ethylbenzene
Concen: 4.758 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

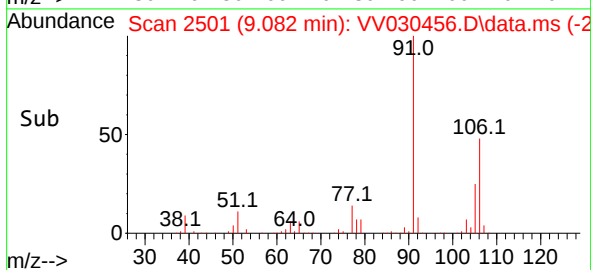
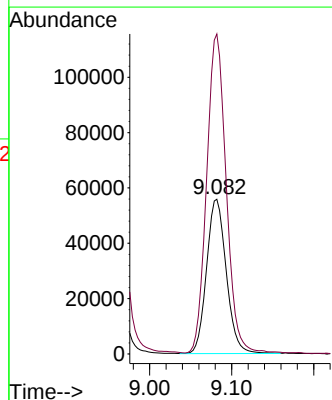
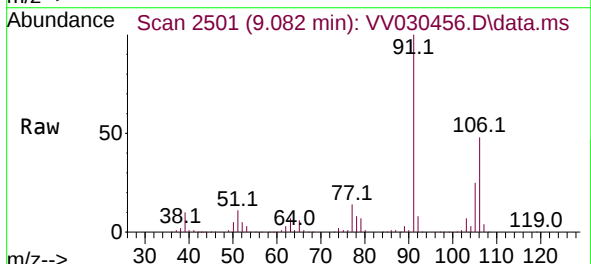
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

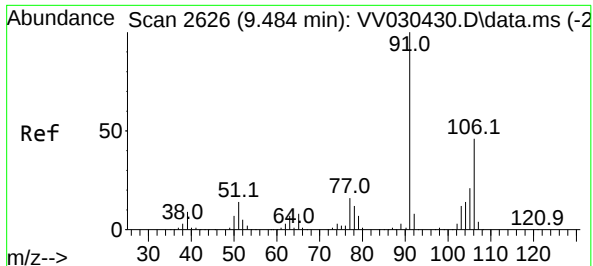
Tgt Ion: 91 Resp: 236952
Ion Ratio Lower Upper
91 100
106 30.7 22.2 41.2



#53
m,p-Xylene
Concen: 4.882 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 106 Resp: 93078
Ion Ratio Lower Upper
106 100
91 206.9 142.4 264.4

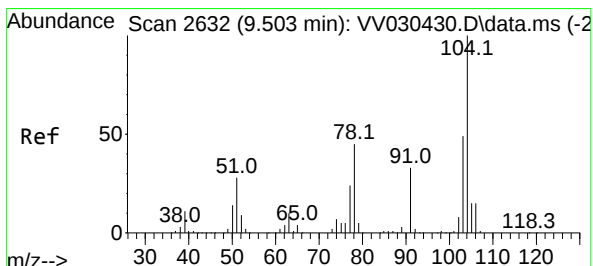
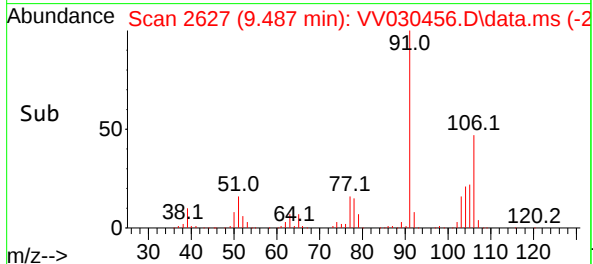
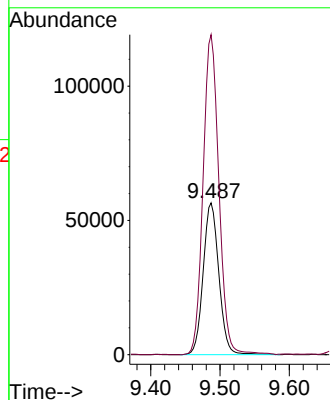
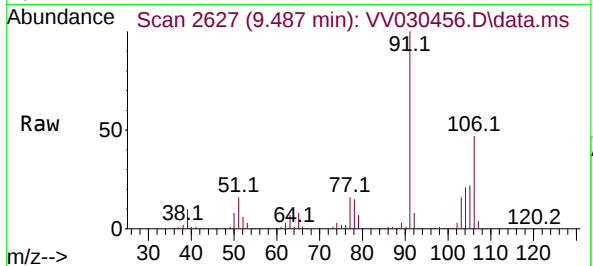




#54
o-Xylene
Concen: 4.864 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

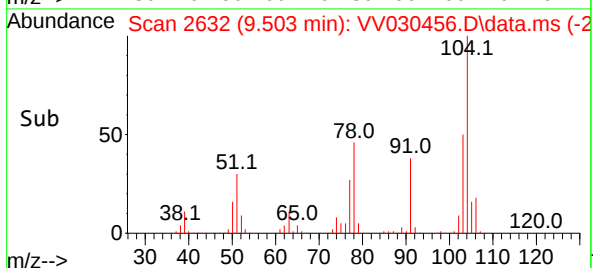
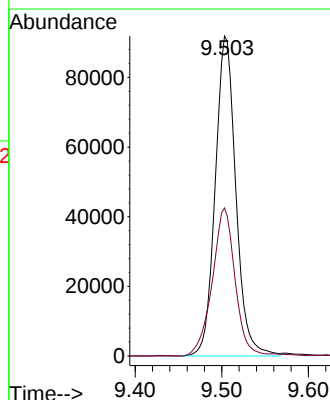
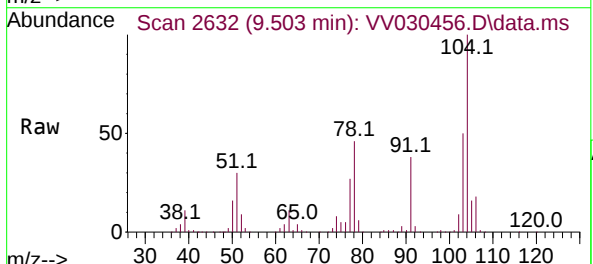
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

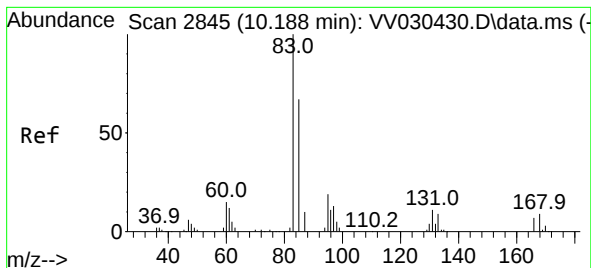
Tgt Ion:106 Resp: 88733
Ion Ratio Lower Upper
106 100
91 210.8 149.8 278.2



#55
Styrene
Concen: 4.909 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion:104 Resp: 152104
Ion Ratio Lower Upper
104 100
78 46.3 31.9 59.2

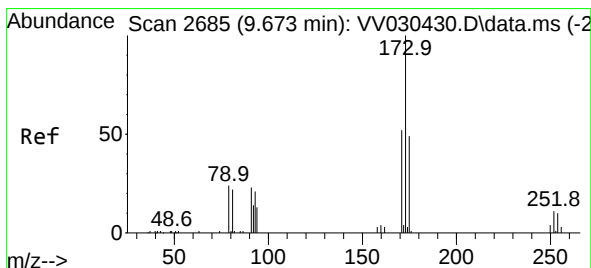
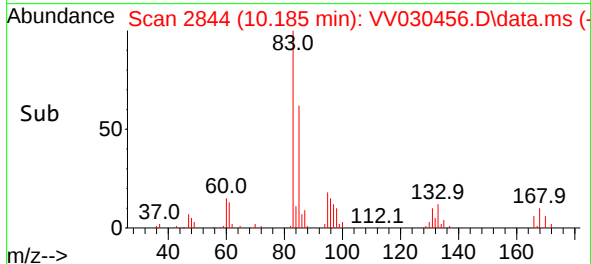
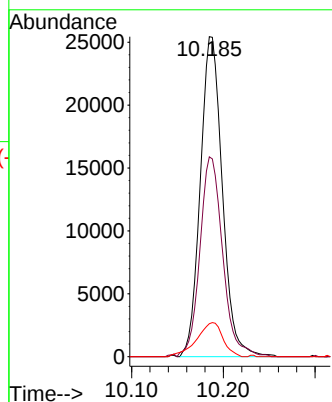
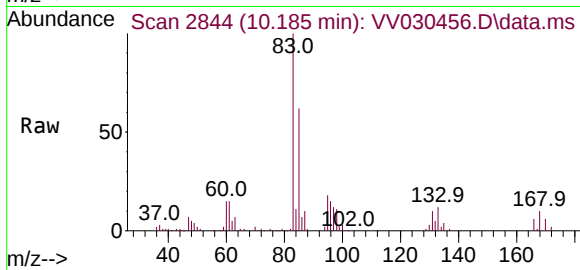




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.637 ug/L
 RT: 10.185 min Scan# 2845
 Delta R.T. -0.003 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

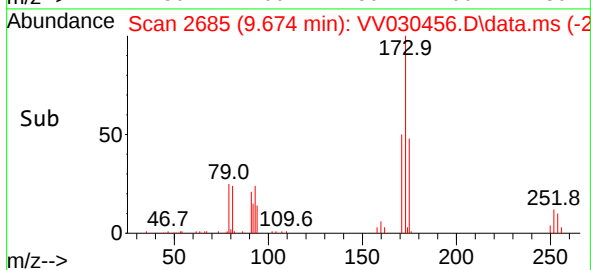
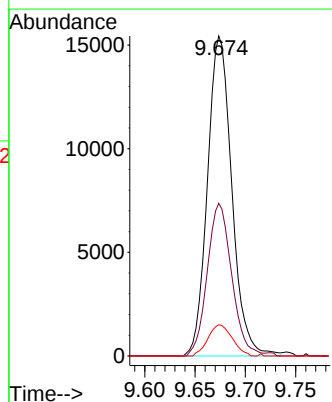
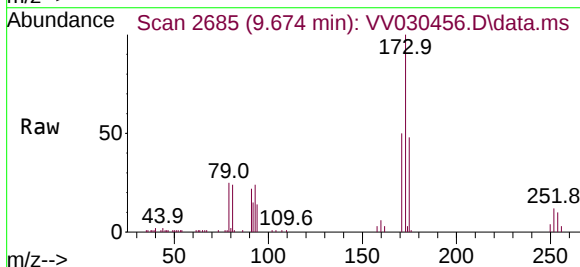
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

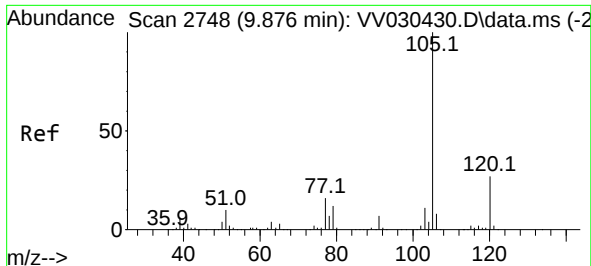
Tgt Ion: 83 Resp: 42524
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.3 84.1
 131 10.3 8.2 12.4



#59
 Bromoform
 Concen: 4.507 ug/L
 RT: 9.674 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030456.D
 Acq: 07 Apr 2023 20:37

Tgt Ion: 173 Resp: 26004
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.4
 254 9.7 8.2 12.4

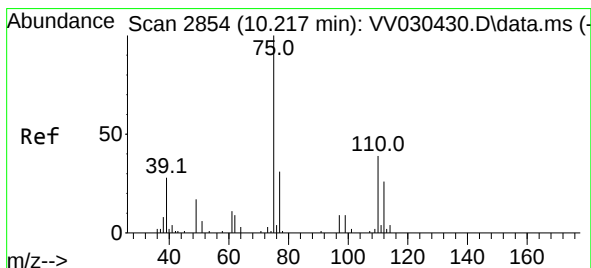
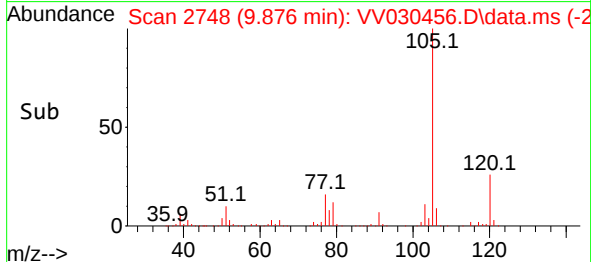
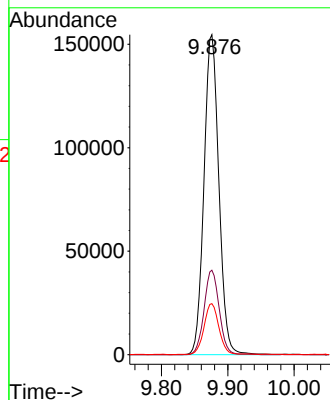
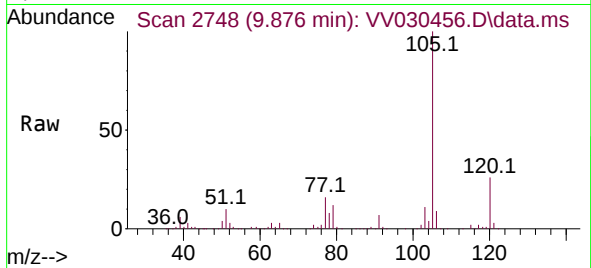




#60
Isopropylbenzene
Concen: 4.578 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

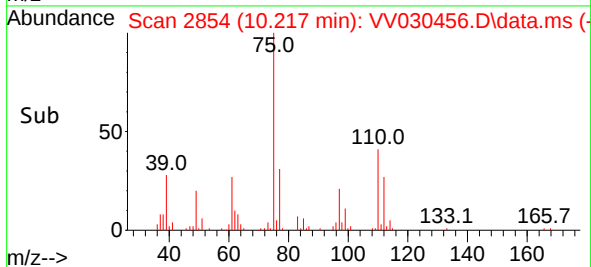
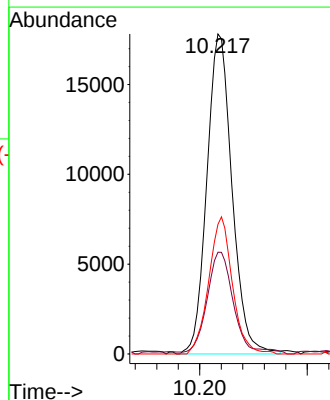
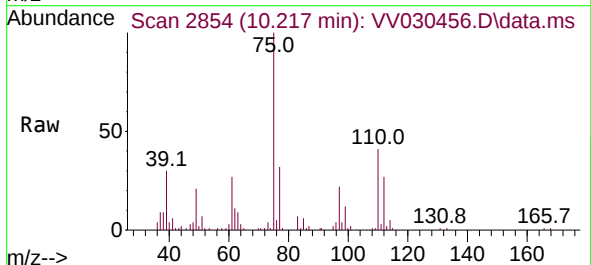
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

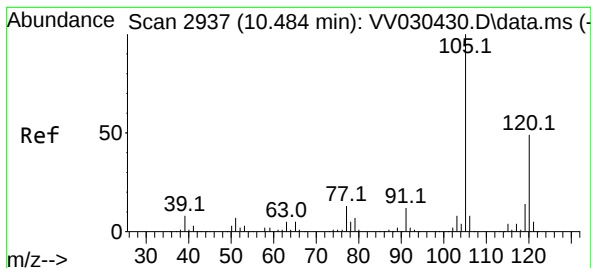
Tgt Ion:105 Resp: 240992
Ion Ratio Lower Upper
105 100
120 26.9 21.1 31.7
77 15.8 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.533 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion: 75 Resp: 28933
Ion Ratio Lower Upper
75 100
77 33.8 26.0 39.0
110 40.3 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.470 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

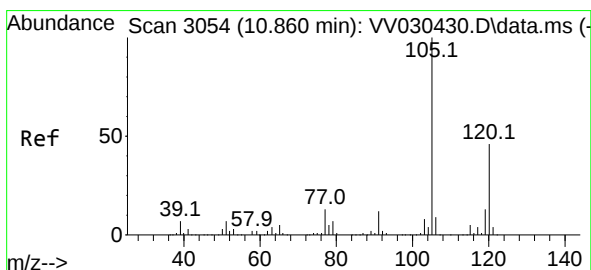
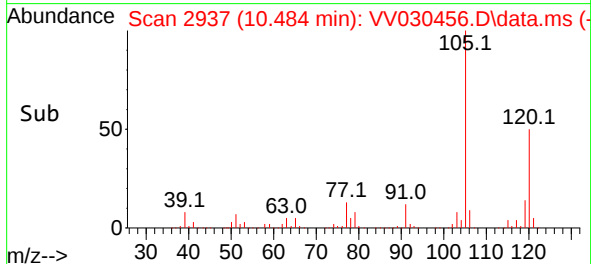
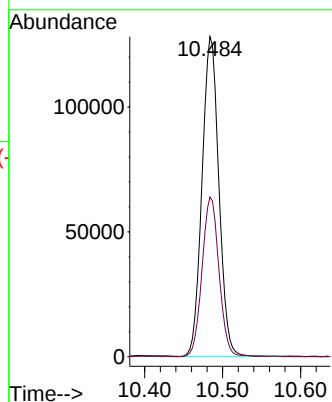
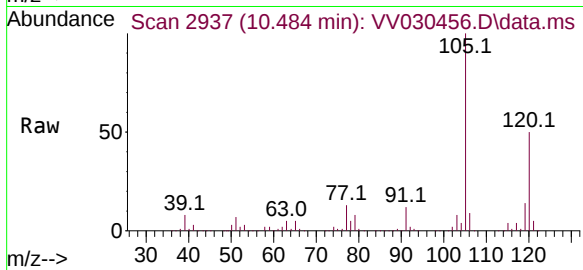
VSTD005325

Tgt Ion:105 Resp: 192029

Ion Ratio Lower Upper

105 100

120 50.3 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.591 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030456.D

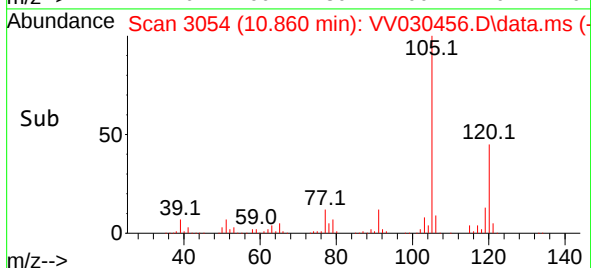
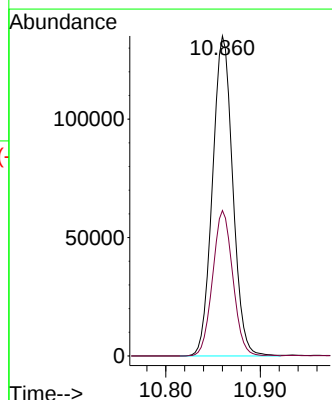
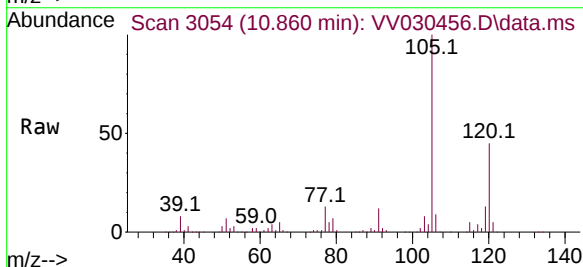
Acq: 07 Apr 2023 20:37

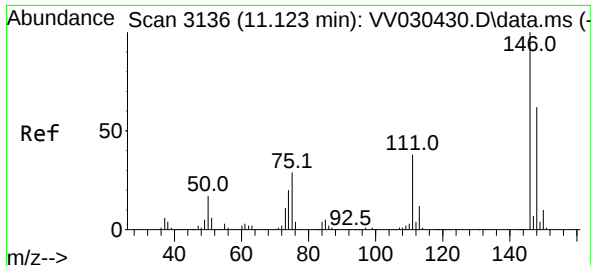
Tgt Ion:105 Resp: 200980

Ion Ratio Lower Upper

105 100

120 45.2 36.8 55.2

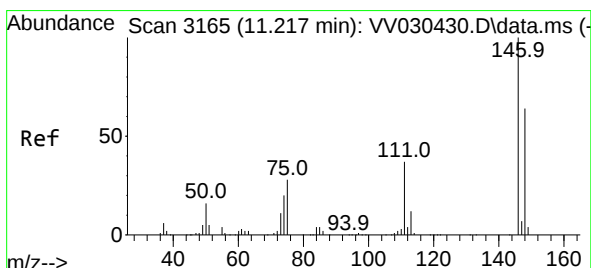
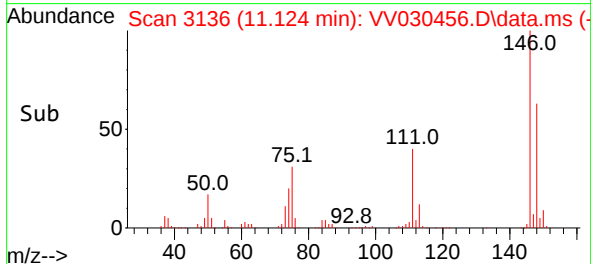
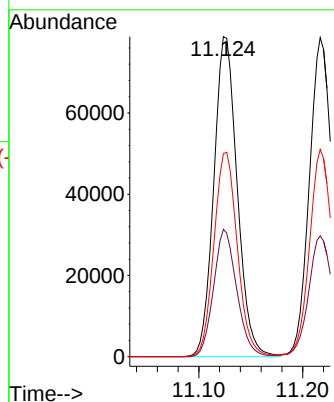
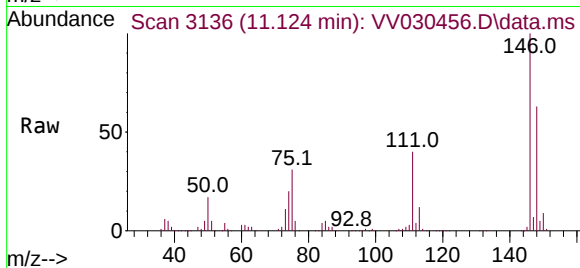




#64
1,3-Dichlorobenzene
Concen: 4.699 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

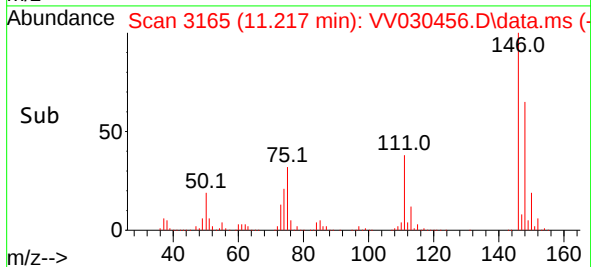
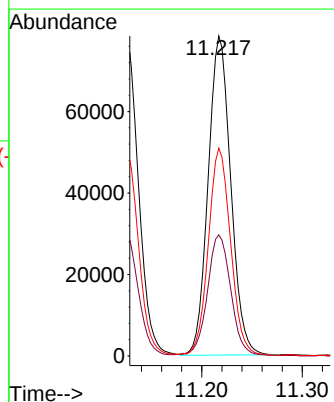
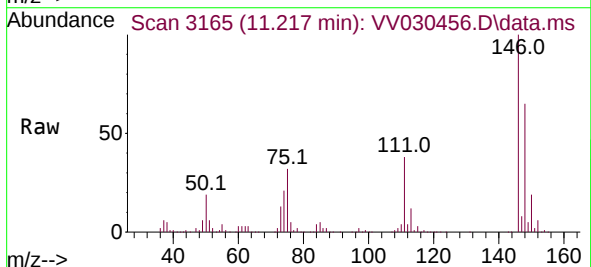
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

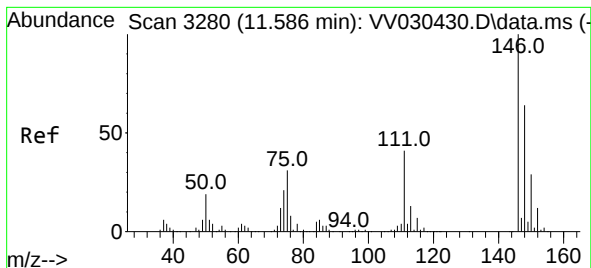
Tgt Ion:146 Resp: 123370
Ion Ratio Lower Upper
146 100
111 39.8 27.0 50.2
148 63.4 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.629 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion:146 Resp: 122418
Ion Ratio Lower Upper
146 100
111 37.9 26.0 48.4
148 64.9 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.717 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

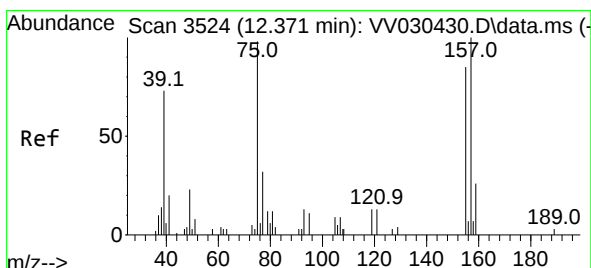
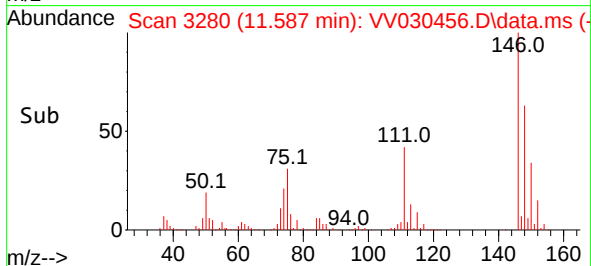
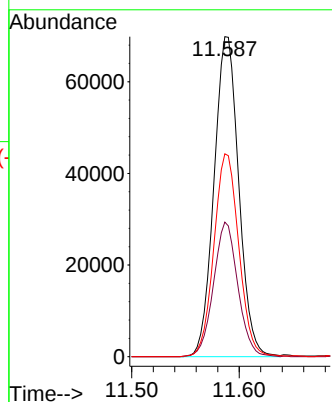
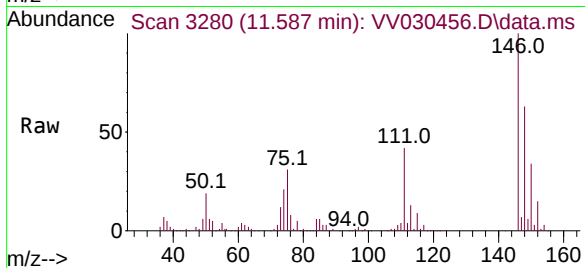
Tgt Ion:146 Resp: 111583

Ion Ratio Lower Upper

146 100

111 42.0 33.1 49.7

148 63.4 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.394 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030456.D

Acq: 07 Apr 2023 20:37

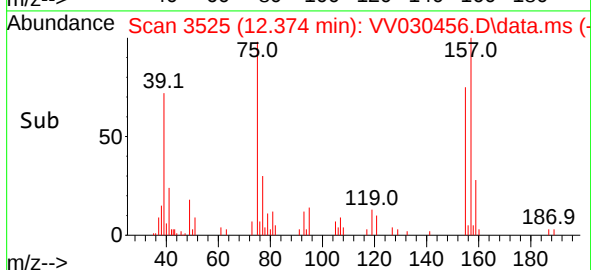
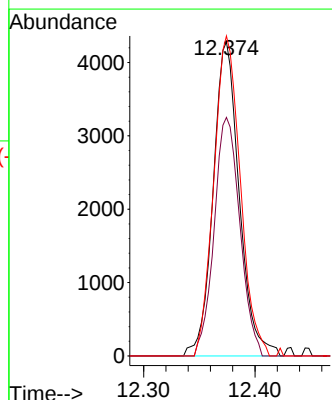
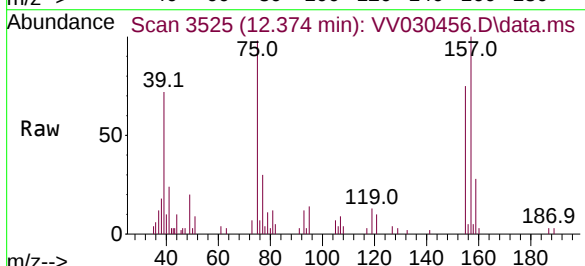
Tgt Ion: 75 Resp: 6976

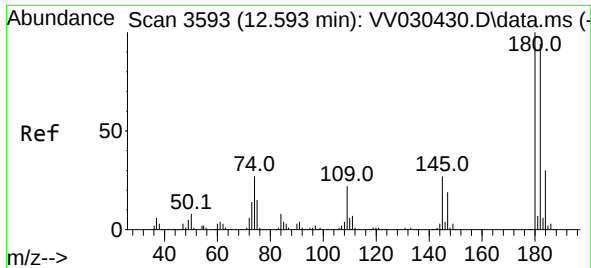
Ion Ratio Lower Upper

75 100

155 75.9 64.6 96.8

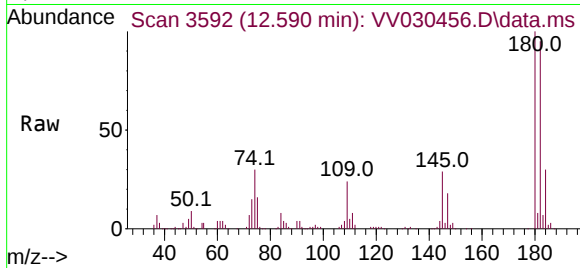
157 101.9 83.8 125.6



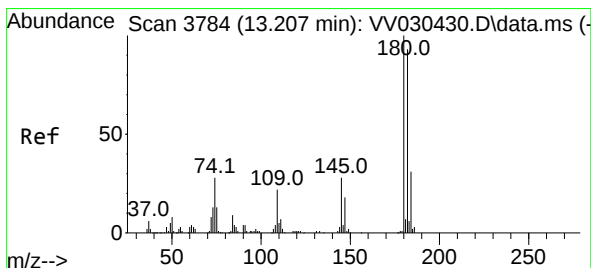
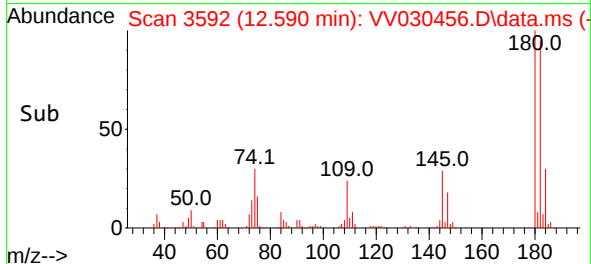
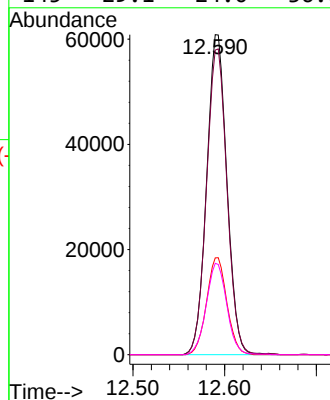


#69
1,3,5-Trichlorobenzene
Concen: 4.619 ug/L
RT: 12.590 min Scan# 3593
Delta R.T. -0.003 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

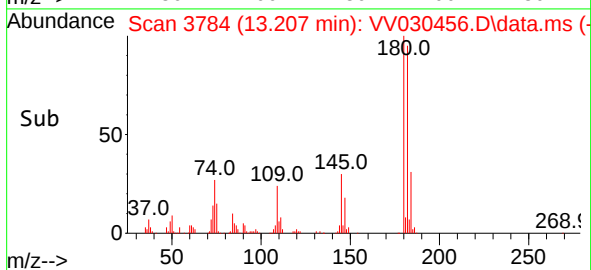
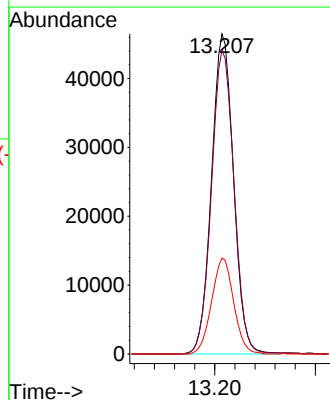
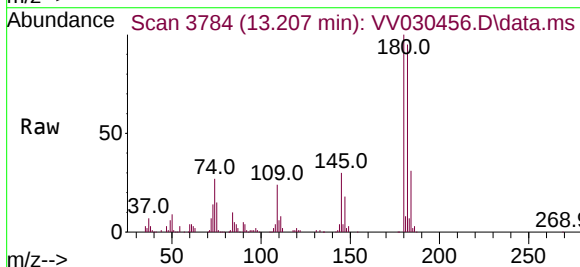


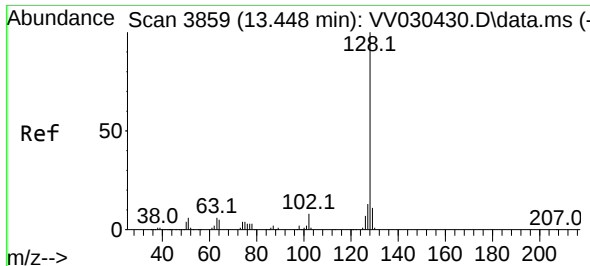
Tgt Ion:180 Resp: 93371
Ion Ratio Lower Upper
180 100
182 96.7 76.5 114.7
184 30.4 24.0 36.0
145 29.1 24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 4.525 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion:180 Resp: 70622
Ion Ratio Lower Upper
180 100
182 96.9 75.3 112.9
145 30.0 23.8 35.6

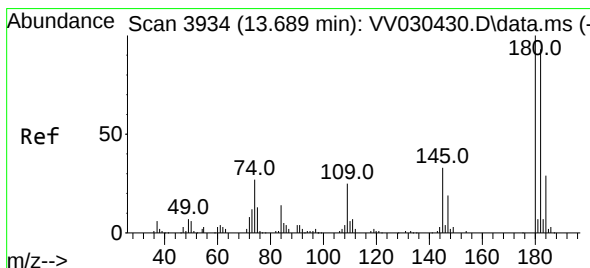
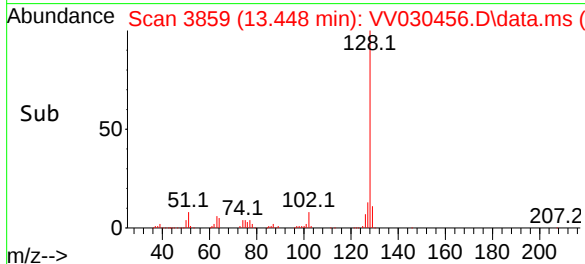
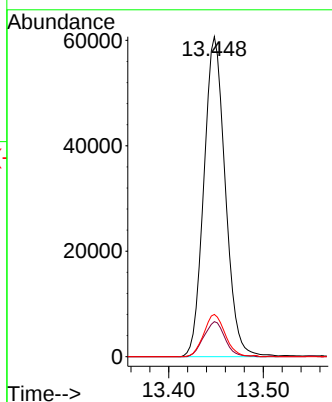
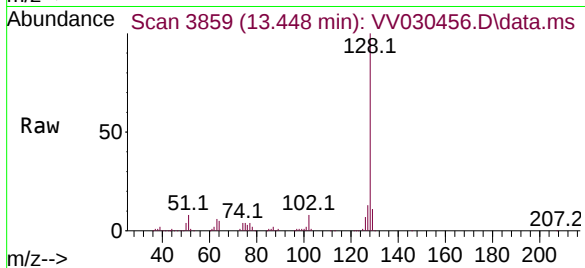




#71
Naphthalene
Concen: 4.286 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

Tgt Ion:	128	Resp:	95523
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	13.2	10.8	16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.490 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030456.D
Acq: 07 Apr 2023 20:37

Tgt Ion:	180	Resp:	60701
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.6	115.0
145	31.0	25.0	37.4

