

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040623\
 Data File : VW030428.D
 Acq On : 06 Apr 2023 19:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

Quant Time: Apr 07 04:52:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	120155	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	120754	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	72354	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37156	4.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.536	69	37253	4.824	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.066	63	92844	4.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	3.818	46	110325	53.637	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.280%
24) Chloroform-d	4.262	84	97925	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	4.953	65	50116	5.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.200%
32) Benzene-d6	4.970	84	170604	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.998	67	50811	4.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.252	98	165771	5.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
43) trans-1,3-Dichloroprop...	7.561	79	18571	4.630	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.034	63	84783	52.603	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.200%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	42754	5.092	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	65023	5.028	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	68406	4.478	ug/L	99
3) Chloromethane	1.217	50	83964	4.356	ug/L	99
5) Vinyl chloride	1.285	62	63580	4.525	ug/L	99
6) Bromomethane	1.491	94	19543	4.876	ug/L	96
8) Chloroethane	1.555	64	38475	4.780	ug/L	98
9) Trichlorofluoromethane	1.719	101	103394	5.048	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	52108	4.609	ug/L	97
12) 1,1-Dichloroethene	2.076	96	48998	4.881	ug/L	92
13) Acetone	2.146	43	84992	43.211	ug/L	80
14) Carbon disulfide	2.246	76	144092	4.357	ug/L	100
15) Methyl Acetate	2.388	43	18575	5.285	ug/L	90
16) Methylene chloride	2.452	84	65550	5.520	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	105222	4.949	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	47633	4.504	ug/L	97
19) 1,1-Dichloroethane	3.121	63	97581	4.759	ug/L	98
21) 2-Butanone	3.899	43	120614	48.720	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	49881	4.699	ug/L	99
23) Bromochloromethane	4.159	128	24316	4.905	ug/L	94
25) Chloroform	4.288	83	101249	4.886	ug/L	99

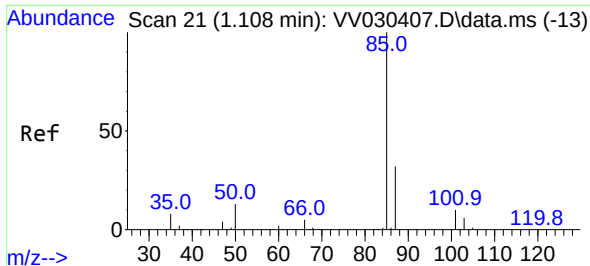
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040623\
 Data File : VV030428.D
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	65186	5.203	ug/L	96
29) 1,1,1-Trichloroethane	4.523	97	94051	4.846	ug/L	99
30) Cyclohexane	4.593	56	76157	4.307	ug/L	96
31) Carbon tetrachloride	4.744	117	85725	4.868	ug/L	100
33) Benzene	5.021	78	205428	4.790	ug/L	100
34) Trichloroethene	5.844	95	51337	4.438	ug/L	94
35) Methylcyclohexane	6.060	83	78586	4.328	ug/L	99
37) 1,2-Dichloropropane	6.101	63	51560	4.683	ug/L	99
38) Bromodichloromethane	6.442	83	69857	4.845	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	69029	4.458	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	307893	53.066	ug/L	99
42) Toluene	7.323	91	227459	4.979	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	60857	4.619	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	37345	4.817	ug/L	99
47) Tetrachloroethene	7.915	164	48273	4.729	ug/L	96
48) 2-Hexanone	8.085	43	235199	54.126	ug/L	100
49) Dibromochloromethane	8.185	129	45211	4.899	ug/L	96
50) 1,2-Dibromoethane	8.291	107	34899	4.948	ug/L #	97
51) Chlorobenzene	8.821	112	141760	4.846	ug/L	98
52) Ethylbenzene	8.953	91	235008	4.702	ug/L	97
53) m,p-Xylene	9.082	106	90615	4.736	ug/L	99
54) o-Xylene	9.487	106	86604	4.731	ug/L	99
55) Styrene	9.503	104	155861	5.013	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	45962	4.995	ug/L	99
59) Bromoform	9.674	173	28314	4.842	ug/L	98
60) Isopropylbenzene	9.876	105	241058	4.518	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	32330	4.998	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	190176	4.368	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	198712	4.478	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	126460	4.753	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	124373	4.640	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	116713	4.868	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	7685	4.776	ug/L	93
69) 1,3,5-Trichlorobenzene	12.593	180	95212	4.647	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	74222	4.692	ug/L	99
71) Naphthalene	13.448	128	103703	4.591	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	64644	4.717	ug/L	99

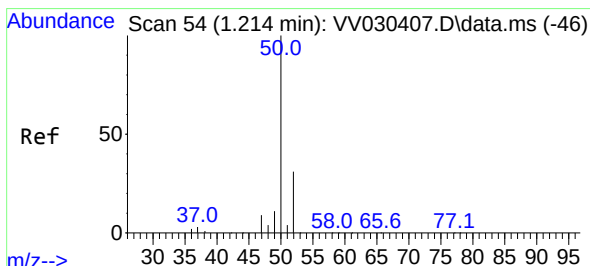
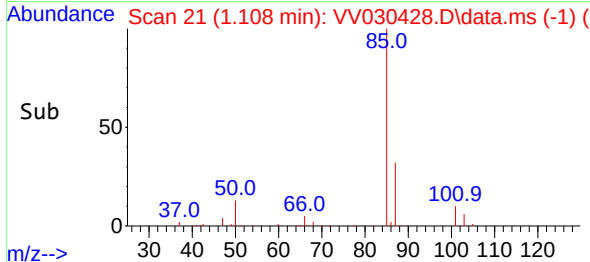
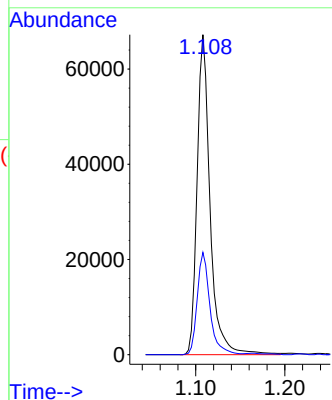
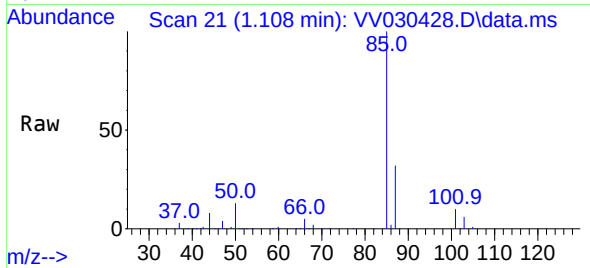
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.478 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

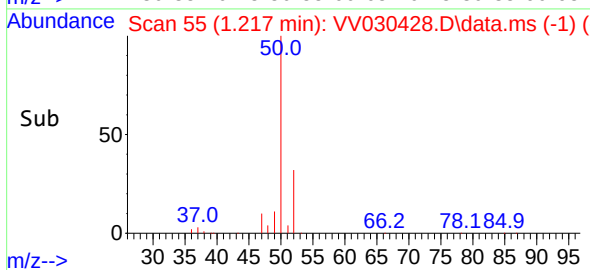
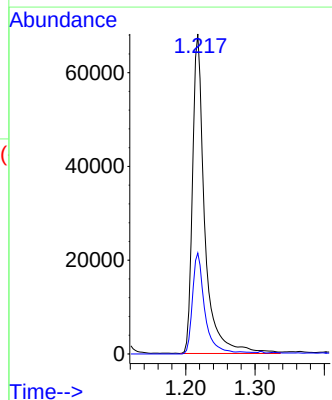
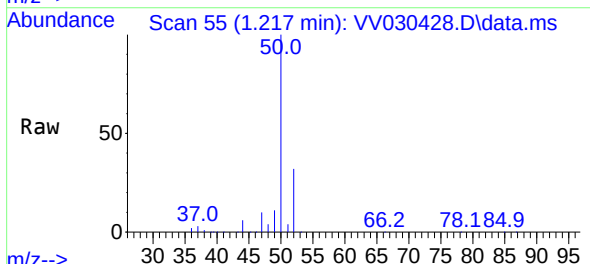
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

Tgt Ion: 85 Resp: 68406
Ion Ratio Lower Upper
85 100
87 31.4 25.6 38.4

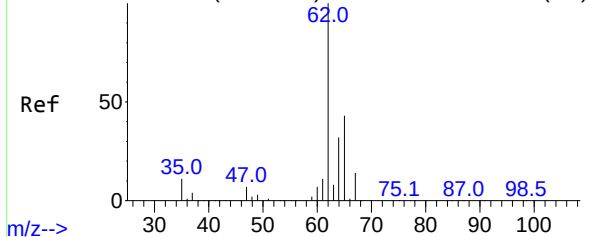


#3
Chloromethane
Concen: 4.356 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 50 Resp: 83964
Ion Ratio Lower Upper
50 100
52 31.6 22.3 41.5



Abundance Scan 76 (1.285 min): VV030407.D\data.ms (-66)



#5

Vinyl chloride

Concen: 4.525 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

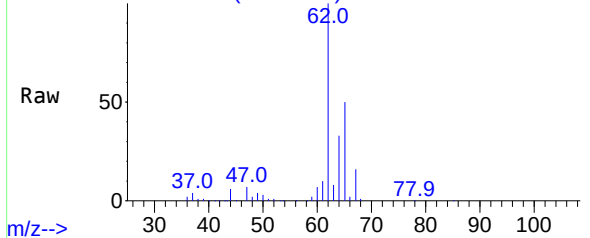
Tgt Ion: 62 Resp: 63580

Ion Ratio Lower Upper

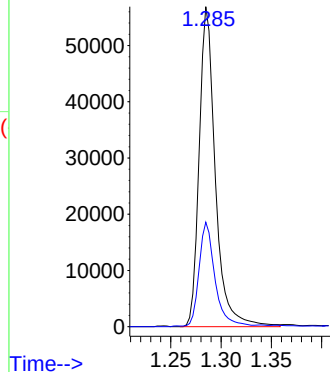
62 100

64 32.7 23.2 43.2

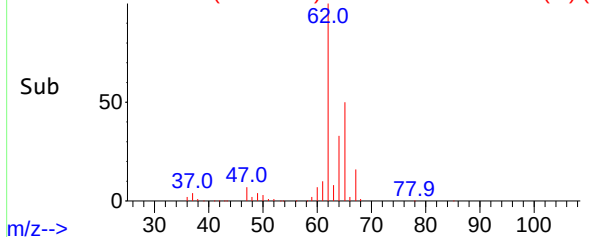
Abundance Scan 76 (1.285 min): VV030428.D\data.ms



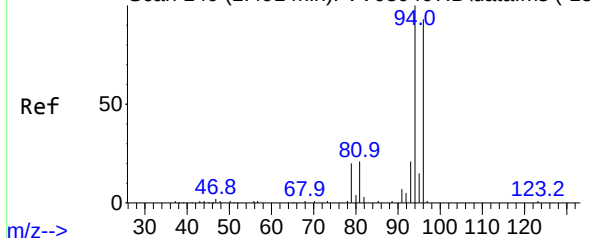
Abundance



Abundance Scan 76 (1.285 min): VV030428.D\data.ms (-1)



Abundance Scan 140 (1.491 min): VV030407.D\data.ms (-13)



#6

Bromomethane

Concen: 4.876 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

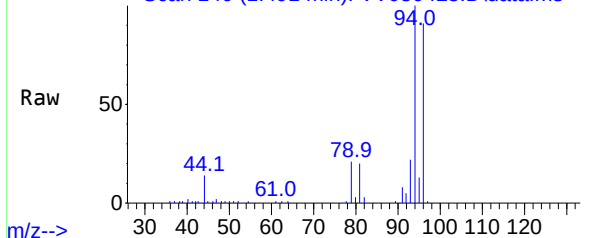
Tgt Ion: 94 Resp: 19543

Ion Ratio Lower Upper

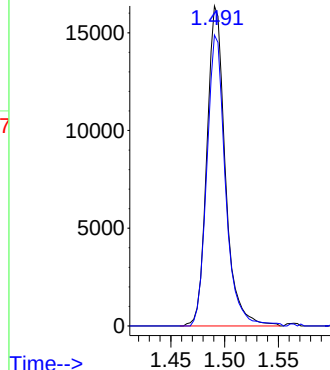
94 100

96 90.9 66.1 122.7

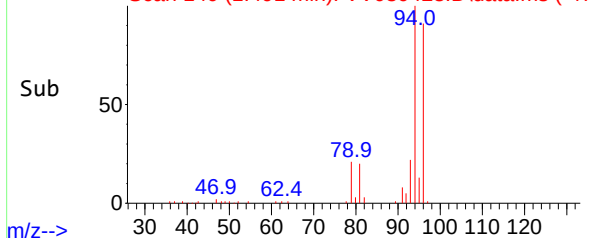
Abundance Scan 140 (1.491 min): VV030428.D\data.ms

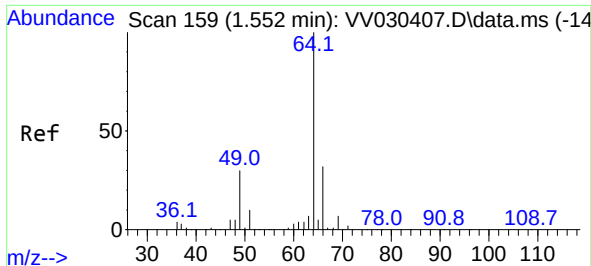


Abundance



Abundance Scan 140 (1.491 min): VV030428.D\data.ms (-47)

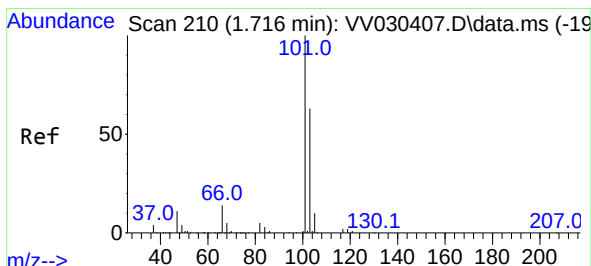
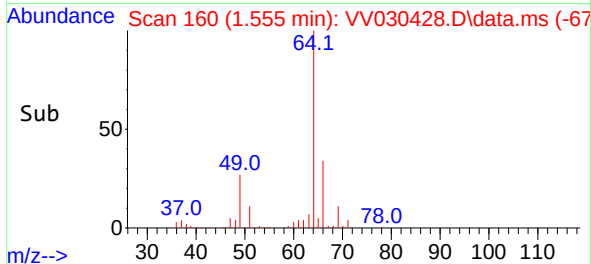
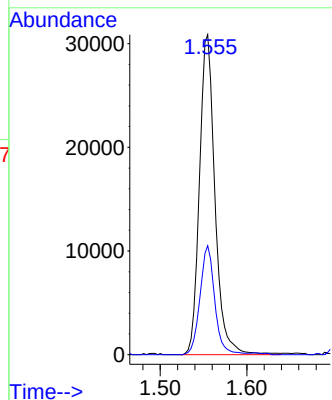
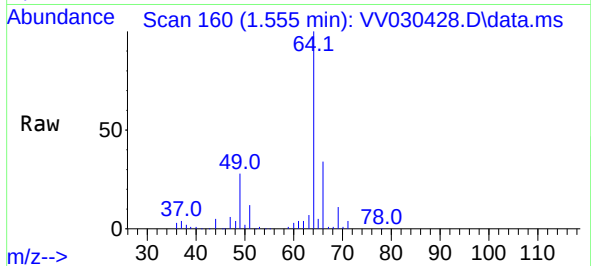




#8
Chloroethane
Concen: 4.780 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

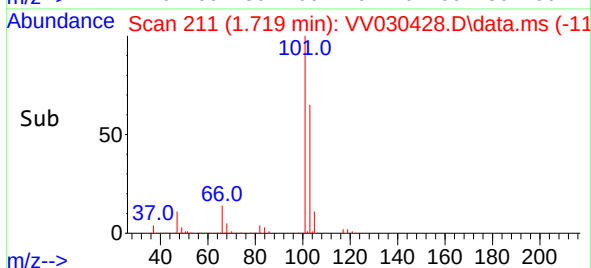
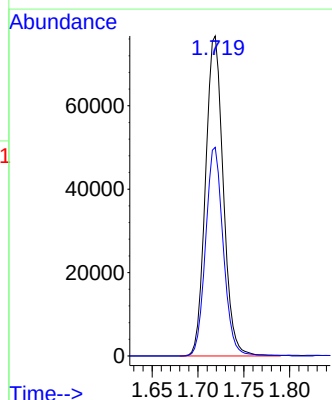
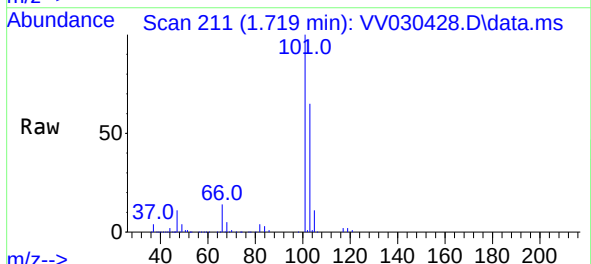
Instrument :
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ClientSampleId :
VSTD005323

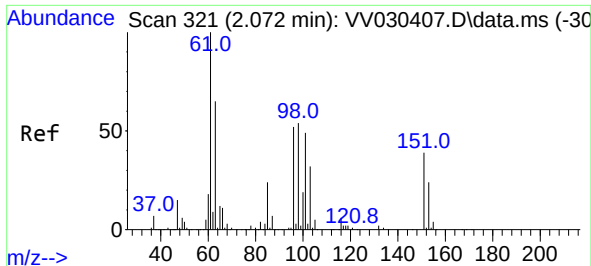
Tgt Ion: 64 Resp: 38475
Ion Ratio Lower Upper
64 100
66 34.1 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.048 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion:101 Resp: 103394
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

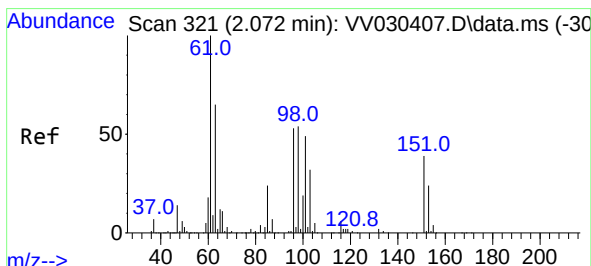
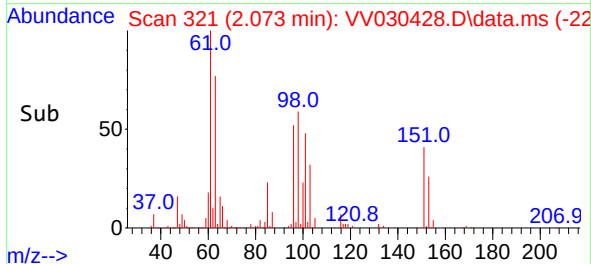
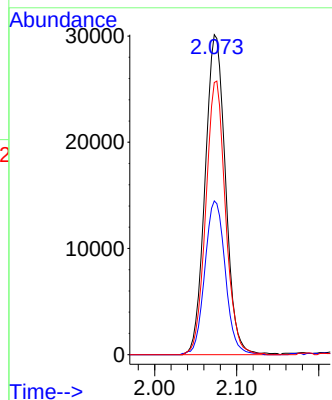
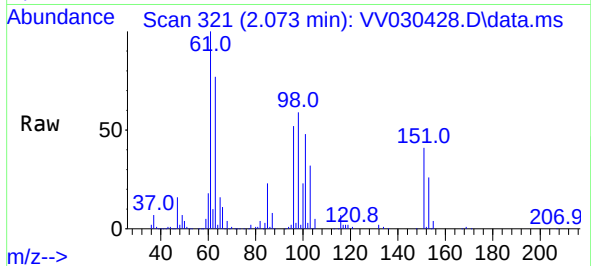




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.609 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

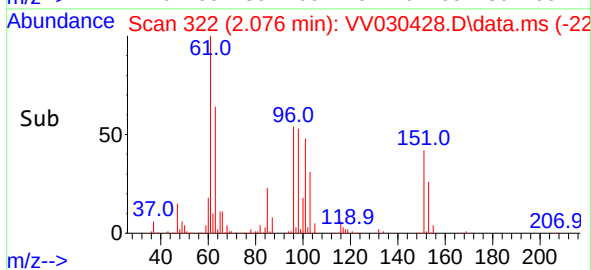
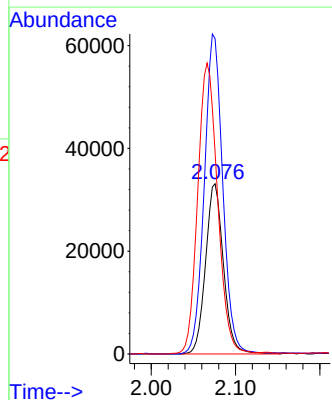
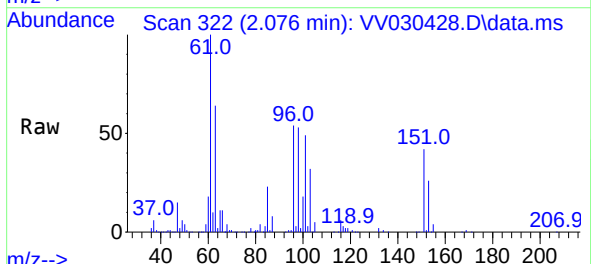
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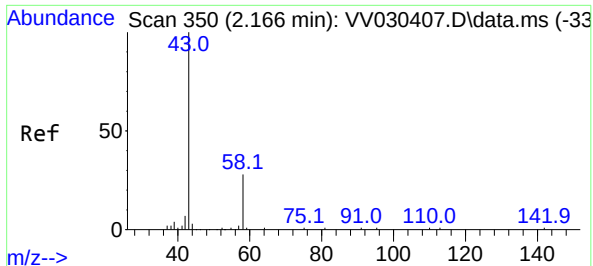
Tgt Ion:101 Resp: 52108
Ion Ratio Lower Upper
101 100
85 48.2 38.1 57.1
151 82.6 62.7 94.1



#12
1,1-Dichloroethene
Concen: 4.881 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 96 Resp: 48998
Ion Ratio Lower Upper
96 100
61 185.2 136.3 253.1
63 118.6 92.1 171.1

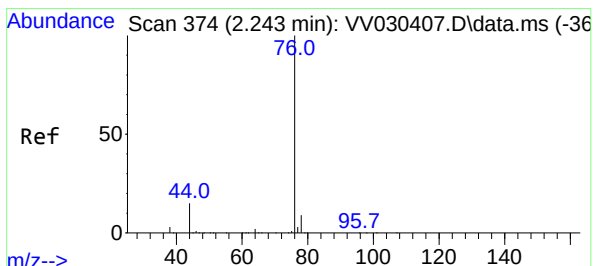
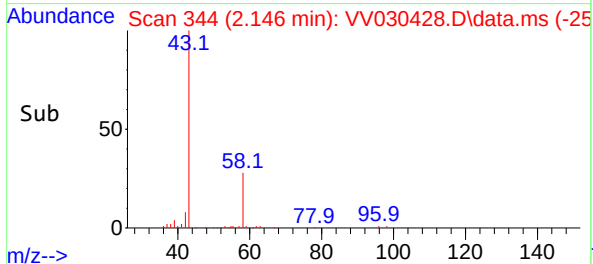
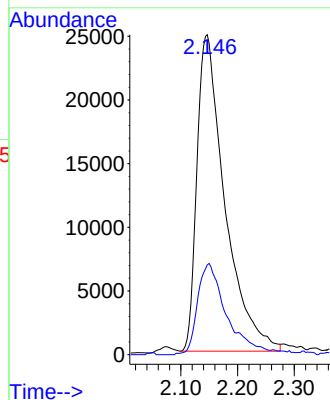
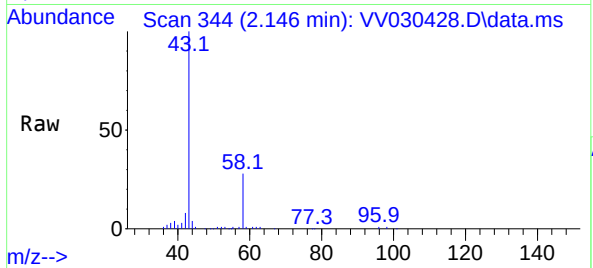




#13
Acetone
Concen: 43.211 ug/L
RT: 2.146 min Scan# 34
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

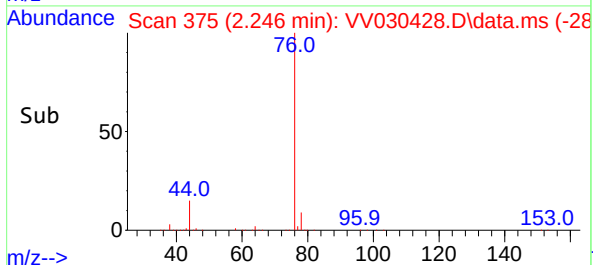
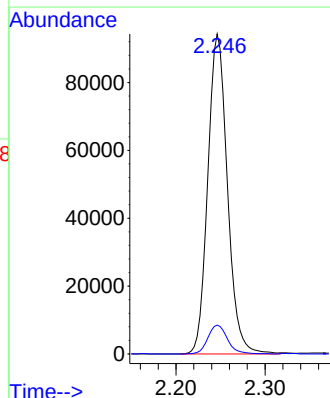
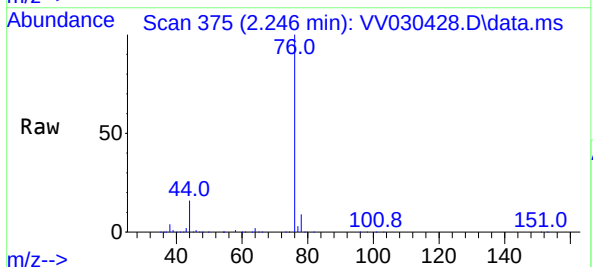
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

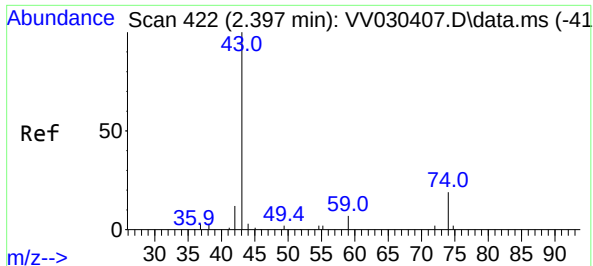
Tgt Ion: 43 Resp: 84992
Ion Ratio Lower Upper
43 100
58 29.6 0.0 40.8



#14
Carbon disulfide
Concen: 4.357 ug/L
RT: 2.246 min Scan# 375
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 76 Resp: 144092
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

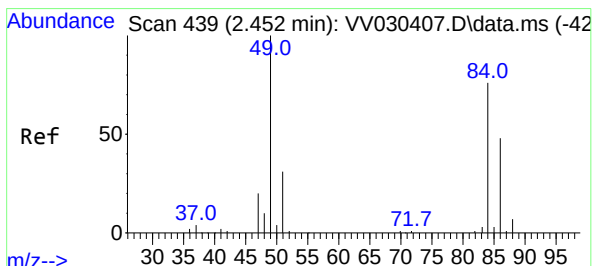
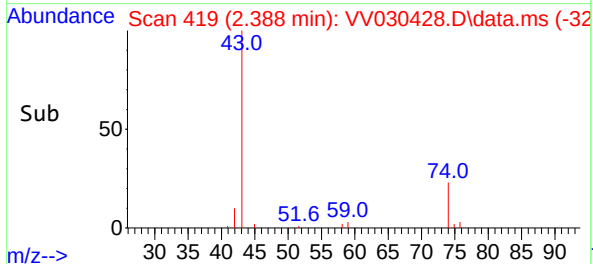
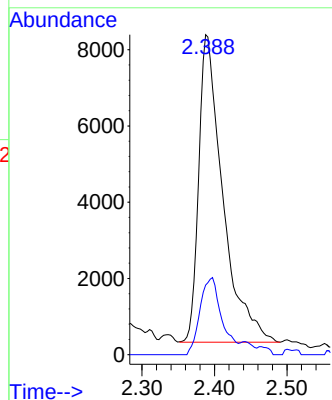
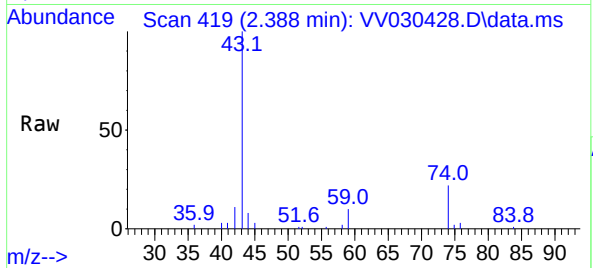




#15
Methyl Acetate
Concen: 5.285 ug/L
RT: 2.388 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

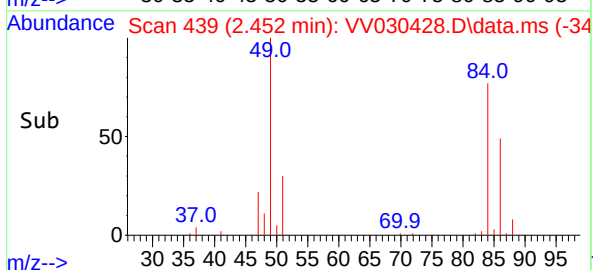
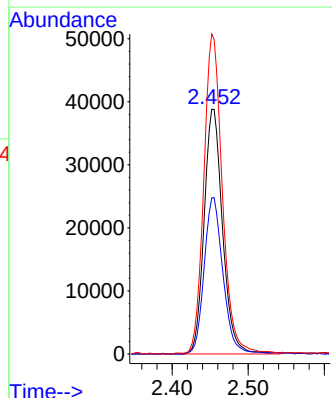
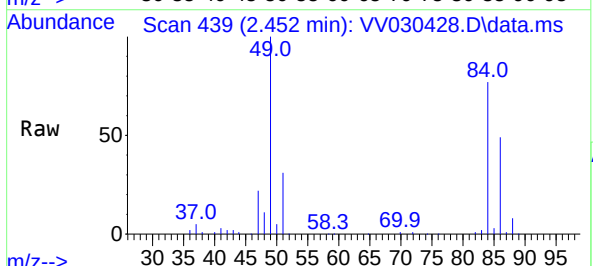
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

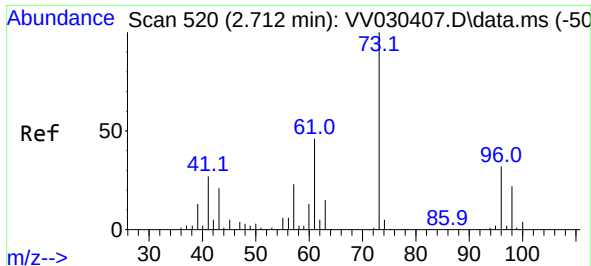
Tgt Ion: 43 Resp: 18575
Ion Ratio Lower Upper
43 100
74 22.6 22.1 33.1



#16
Methylene chloride
Concen: 5.520 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 84 Resp: 65550
Ion Ratio Lower Upper
84 100
86 63.7 44.0 81.6
49 130.7 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.949 ug/L

RT: 2.712 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

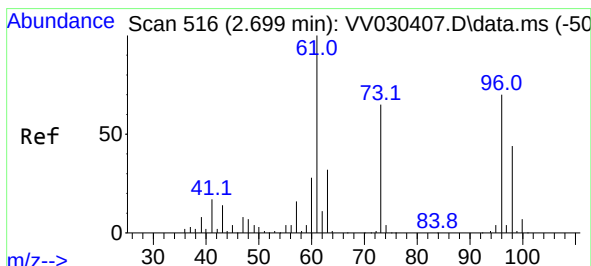
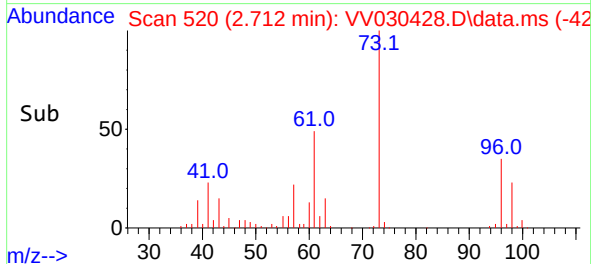
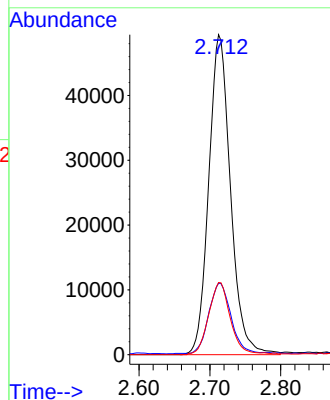
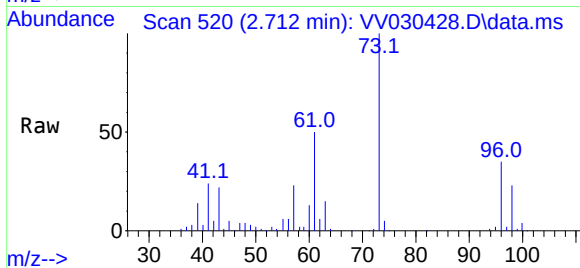
MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion: 73 Resp: 105222

Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.4	26.2
57	22.6	18.3	27.5



#18

trans-1,2-Dichloroethene

Concen: 4.504 ug/L

RT: 2.703 min Scan# 517

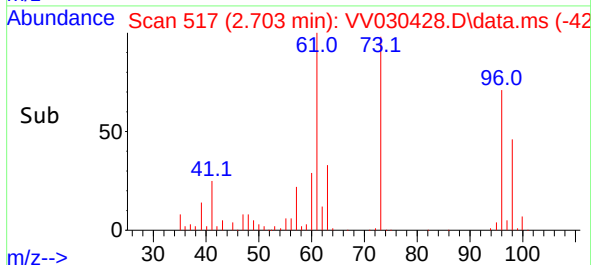
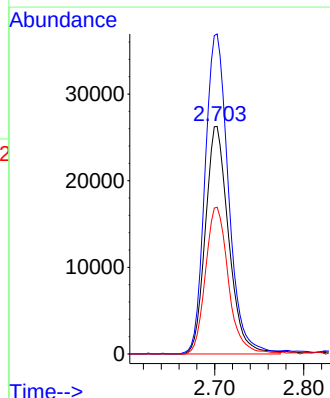
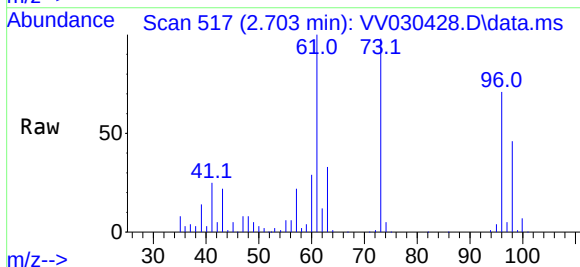
Delta R.T. 0.003 min

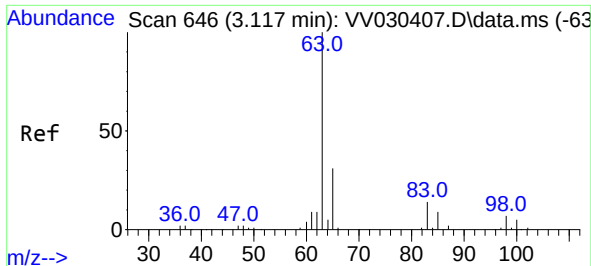
Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Tgt Ion: 96 Resp: 47633

Ion	Ratio	Lower	Upper
96	100		
61	140.6	101.7	188.9
98	64.5	45.8	85.2

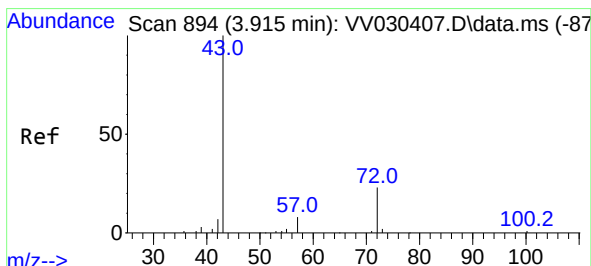
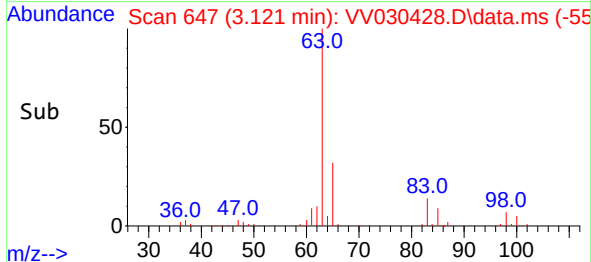
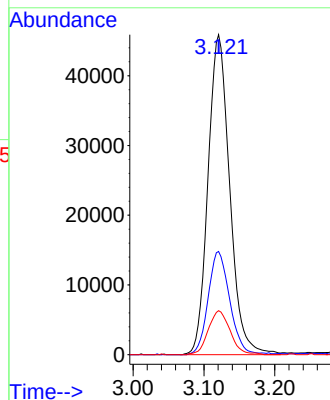
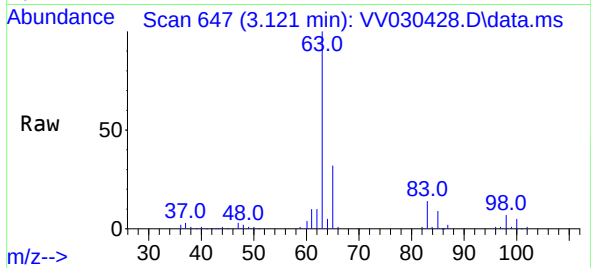




#19
1,1-Dichloroethane
Concen: 4.759 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

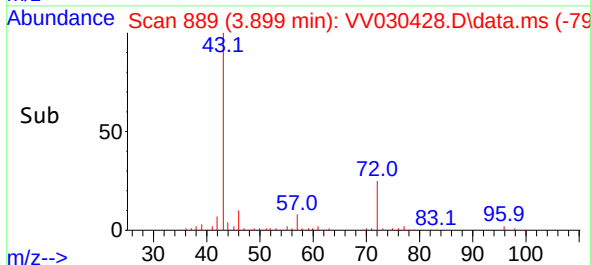
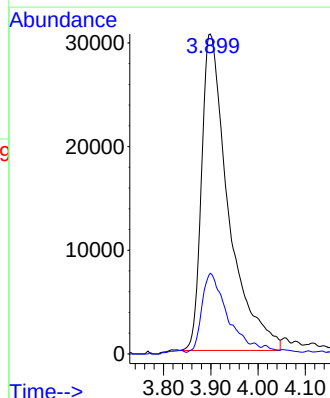
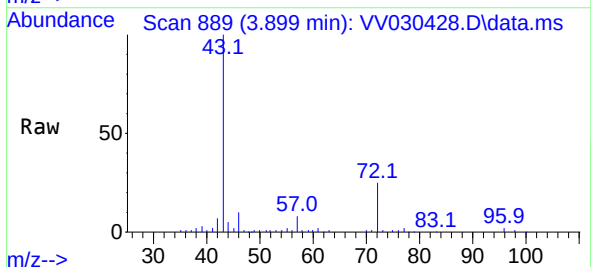
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

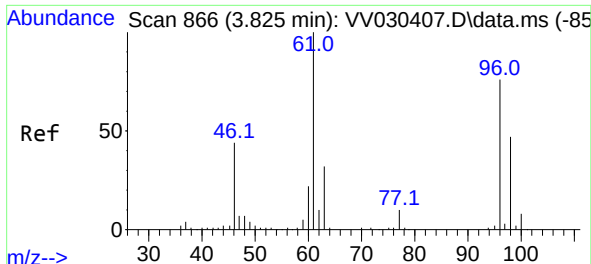
Tgt Ion: 63 Resp: 97581
Ion Ratio Lower Upper
63 100
65 32.2 21.7 40.3
83 13.7 9.1 16.9



#21
2-Butanone
Concen: 48.720 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 43 Resp: 120614
Ion Ratio Lower Upper
43 100
72 22.8 11.2 33.5



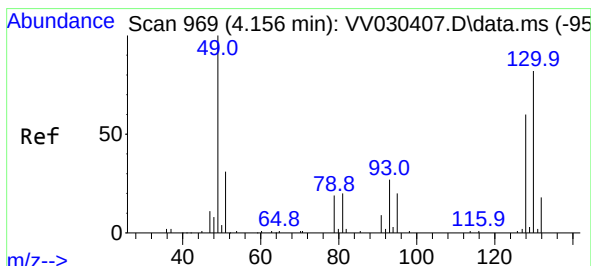
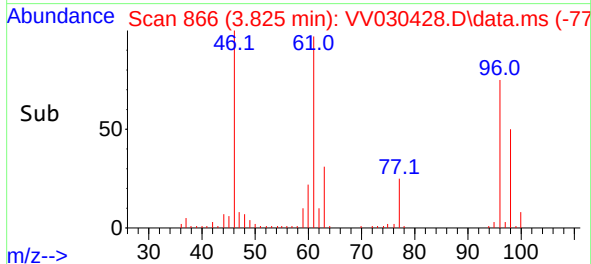
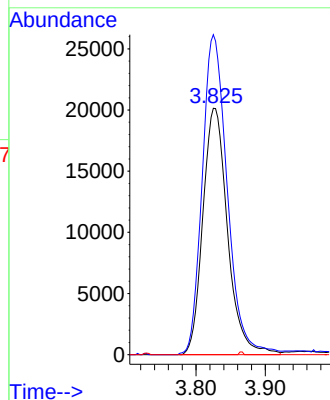
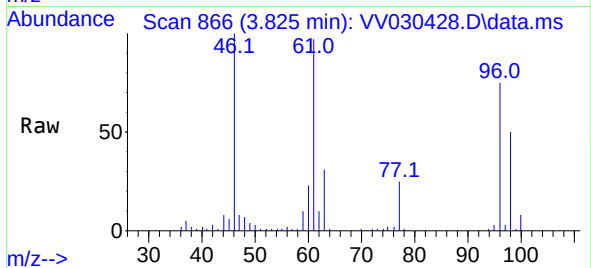


#22
 cis-1,2-Dichloroethene
 Concen: 4.699 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

Tgt Ion: 96 Resp: 49881

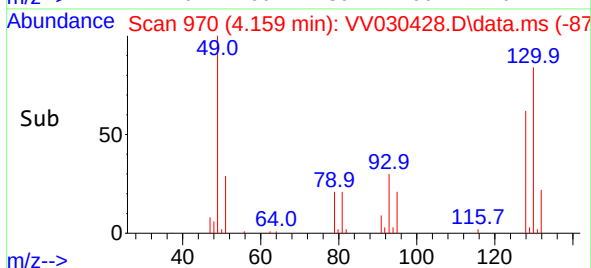
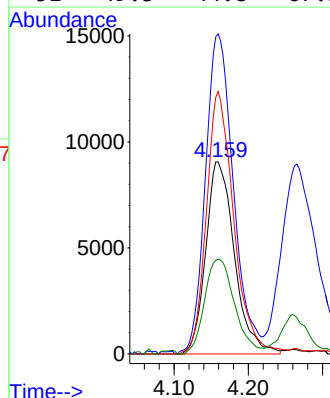
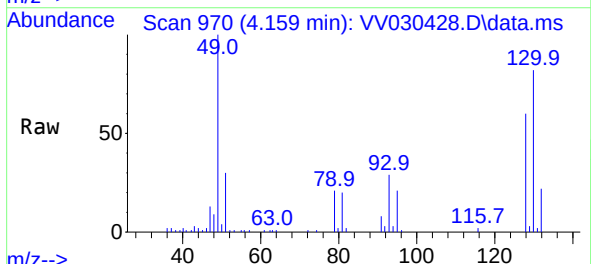
Ion	Ratio	Lower	Upper
96	100		
61	129.9	92.0	170.8
68	0.0	0.0	0.0

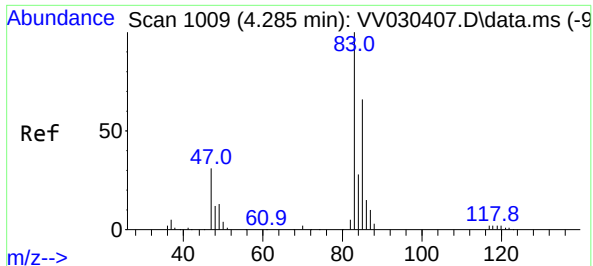


#23
 Bromochloromethane
 Concen: 4.905 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

Tgt Ion: 128 Resp: 24316

Ion	Ratio	Lower	Upper
128	100		
49	166.5	119.4	221.8
130	136.6	89.2	165.8
51	49.3	44.8	67.2





#25

Chloroform

Concen: 4.886 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

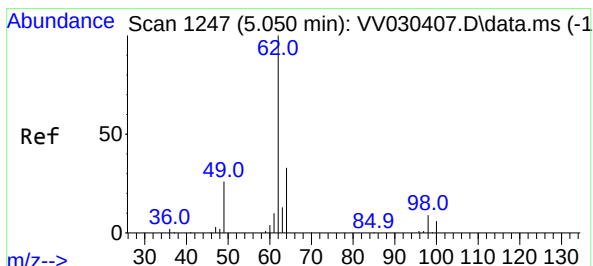
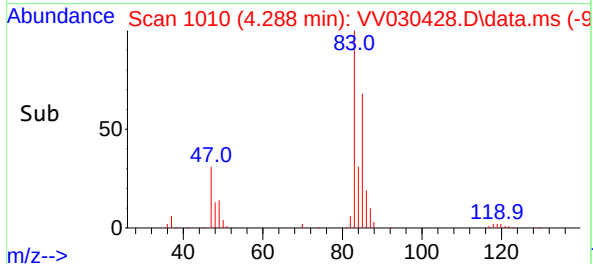
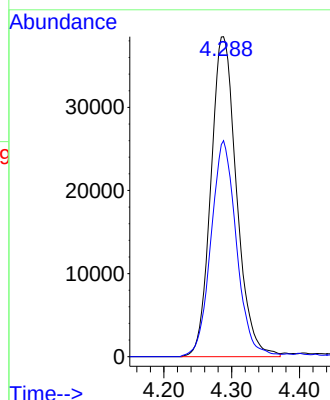
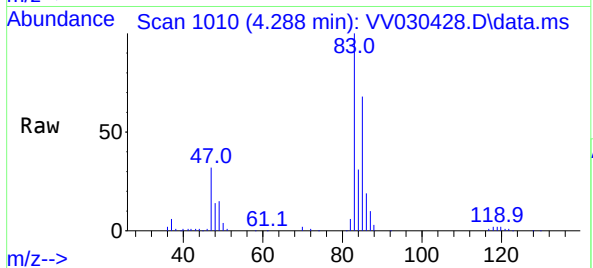
VSTD005323

Tgt Ion: 83 Resp: 101249

Ion Ratio Lower Upper

83 100

85 67.5 47.6 88.4



#27

1,2-Dichloroethane

Concen: 5.203 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030428.D

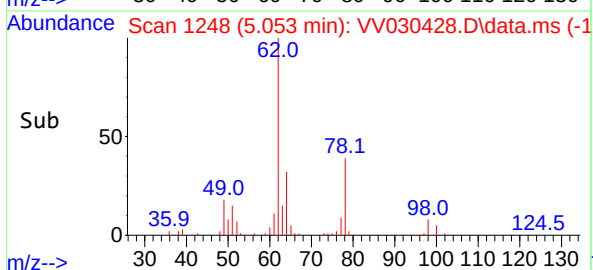
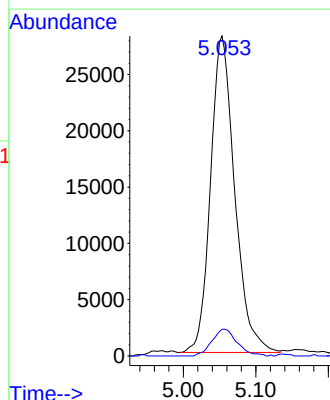
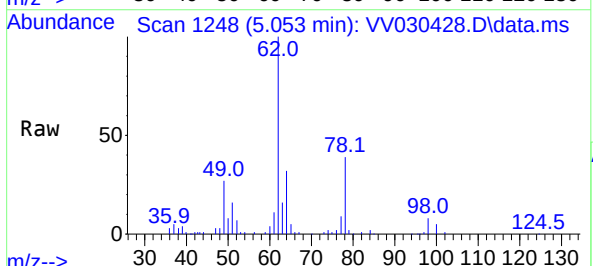
Acq: 06 Apr 2023 19:49

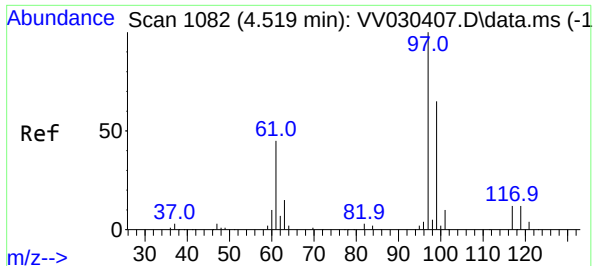
Tgt Ion: 62 Resp: 65186

Ion Ratio Lower Upper

62 100

98 8.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.846 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

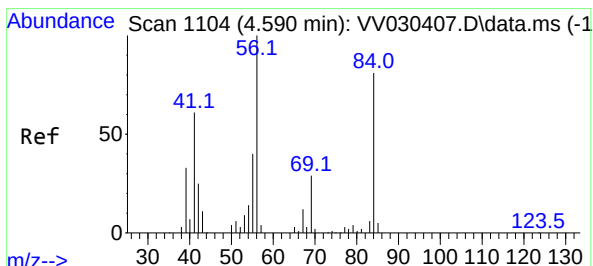
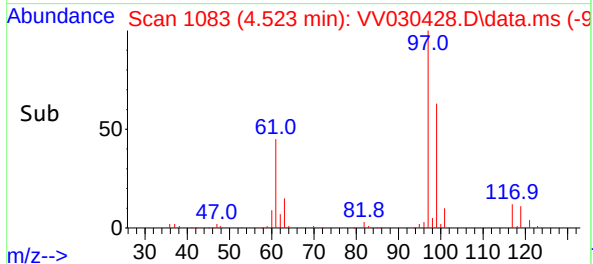
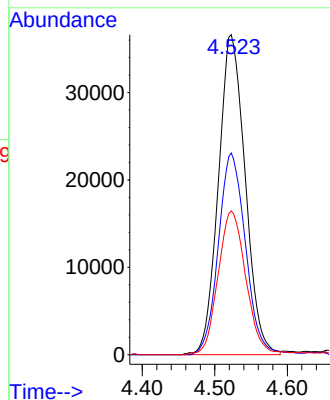
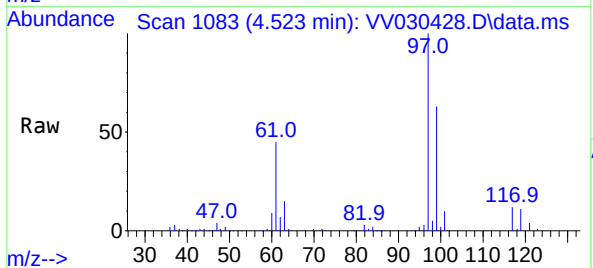
Tgt Ion: 97 Resp: 94051

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 46.5 35.9 53.9



#30

Cyclohexane

Concen: 4.307 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

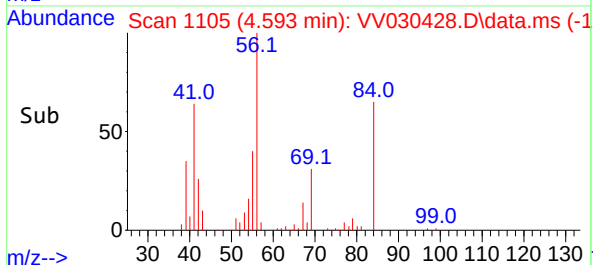
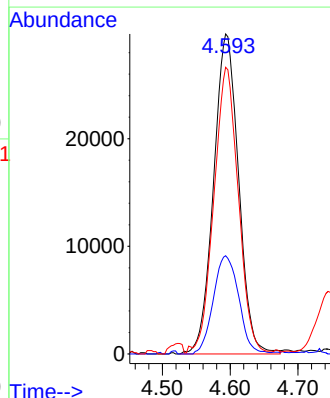
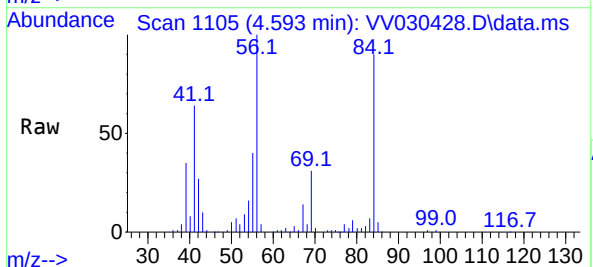
Tgt Ion: 56 Resp: 76157

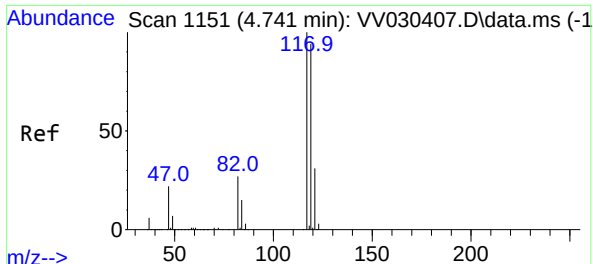
Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

84 87.2 66.6 100.0

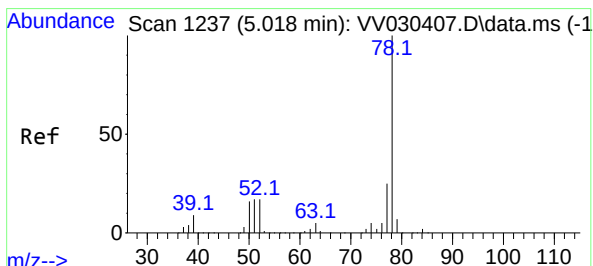
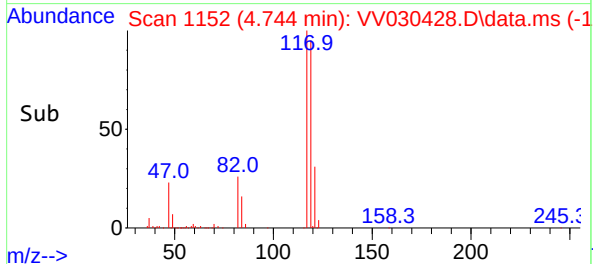
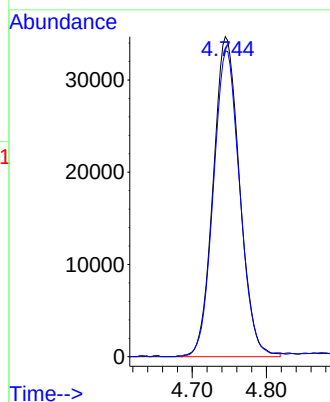
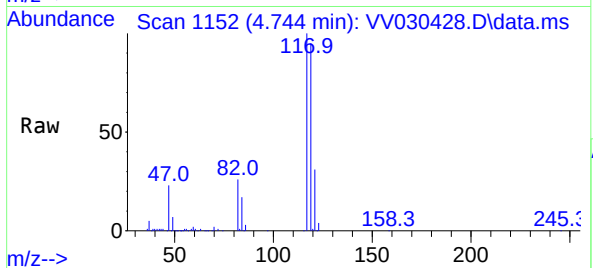




#31
Carbon tetrachloride
Concen: 4.868 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

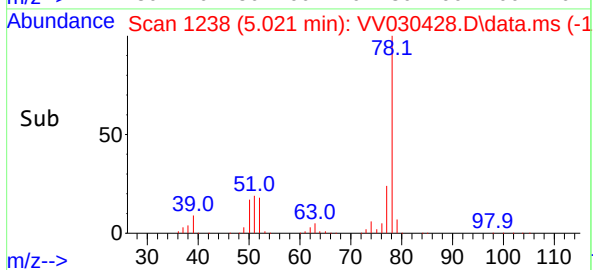
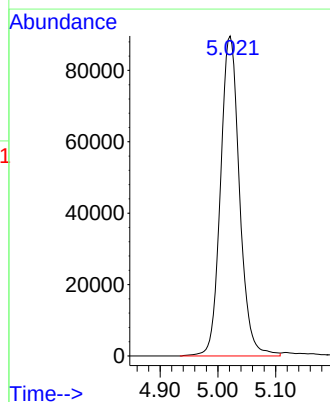
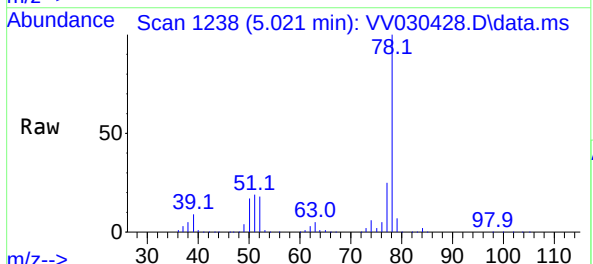
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

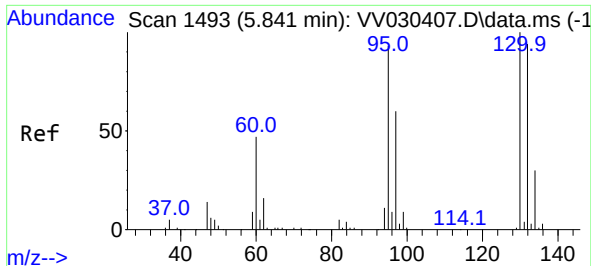
Tgt Ion:117 Resp: 85725
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.4



#33
Benzene
Concen: 4.790 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 78 Resp: 205428



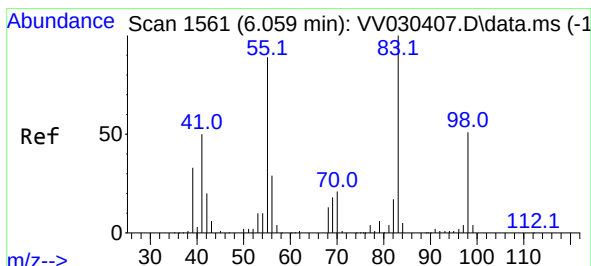
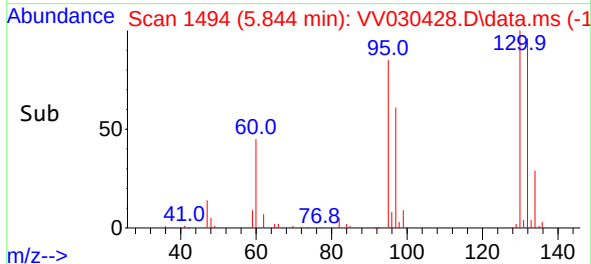
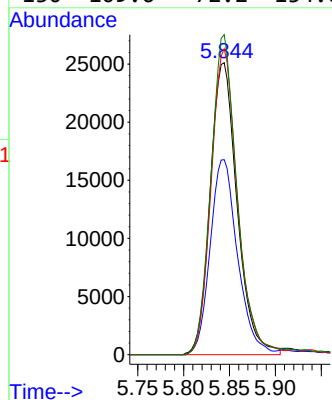
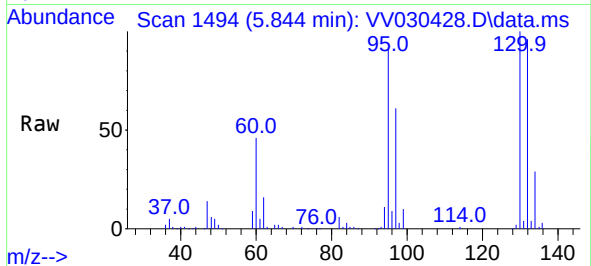


#34
 Trichloroethene
 Concen: 4.438 ug/L
 RT: 5.844 min Scan# 1493
 Delta R.T. 0.003 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

Tgt Ion: 95 Resp: 51337

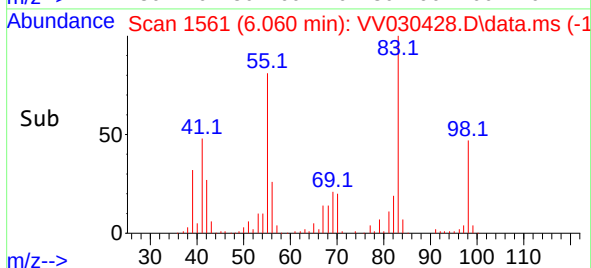
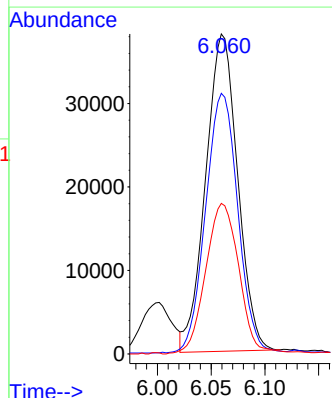
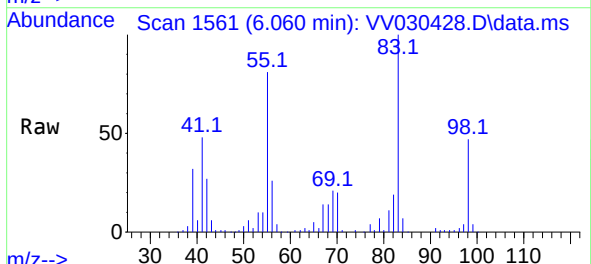
Ion	Ratio	Lower	Upper
95	100		
97	66.8	44.2	82.2
132	104.8	69.5	129.1
130	109.6	72.2	134.0

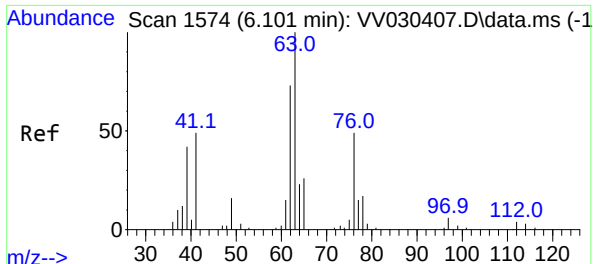


#35
 Methylcyclohexane
 Concen: 4.328 ug/L
 RT: 6.060 min Scan# 1561
 Delta R.T. 0.000 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

Tgt Ion: 83 Resp: 78586

Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.6	100.0
98	49.5	38.6	58.0

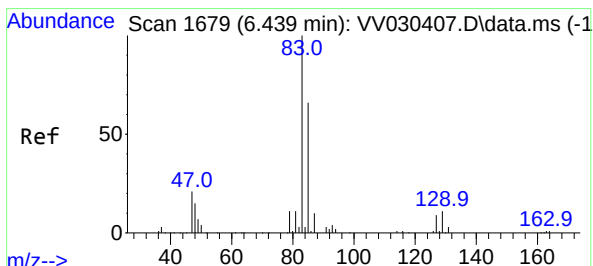
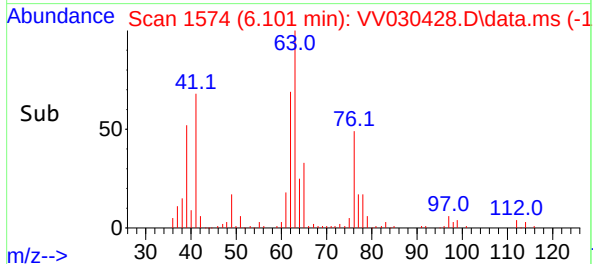
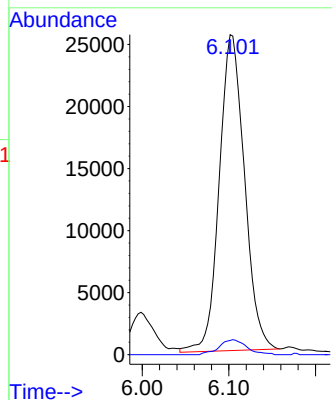
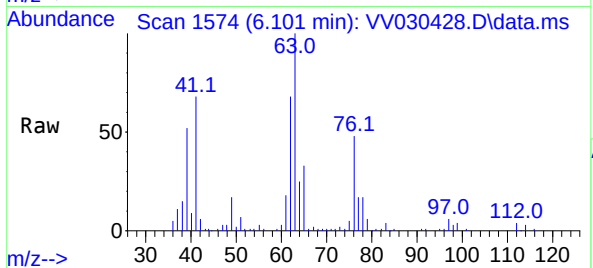




#37
1,2-Dichloropropane
Concen: 4.683 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

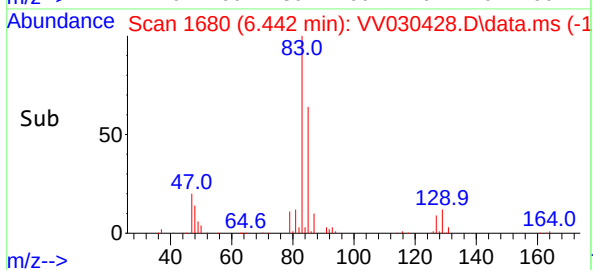
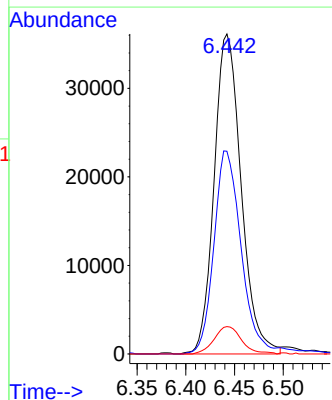
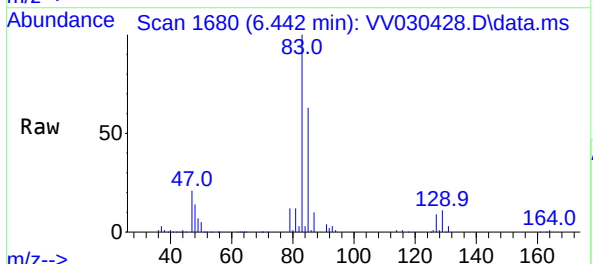
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

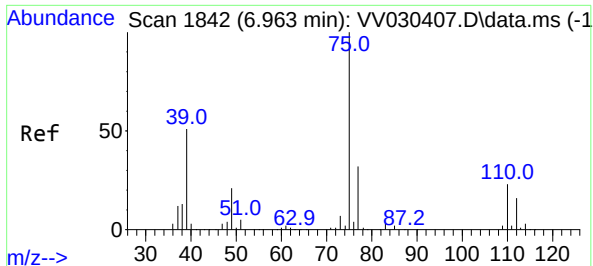
Tgt Ion: 63 Resp: 51560
Ion Ratio Lower Upper
63 100
112 5.2 3.9 5.9



#38
Bromodichloromethane
Concen: 4.845 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 83 Resp: 69857
Ion Ratio Lower Upper
83 100
85 63.4 45.3 84.1
127 8.6 7.0 10.4

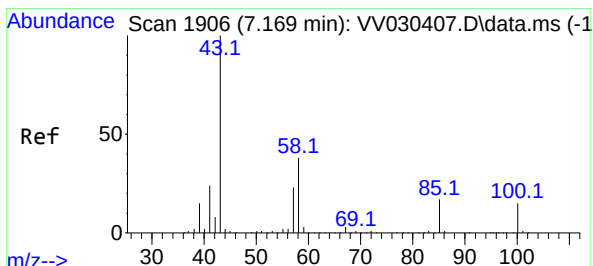
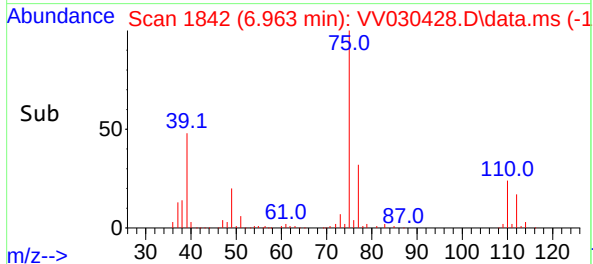
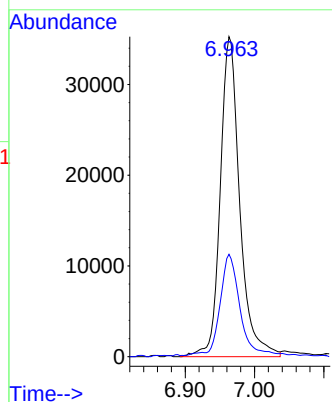
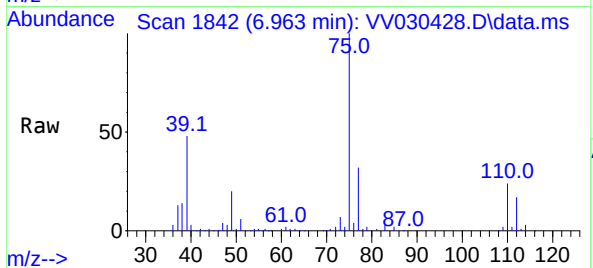




#39
cis-1,3-Dichloropropene
Concen: 4.458 ug/L
RT: 6.963 min Scan# 1842
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

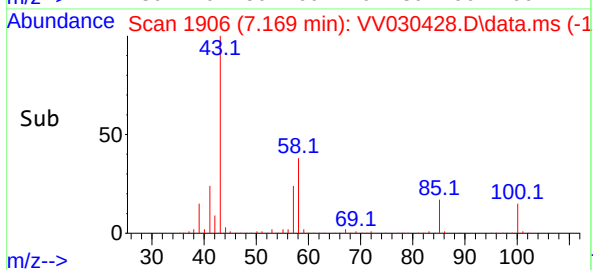
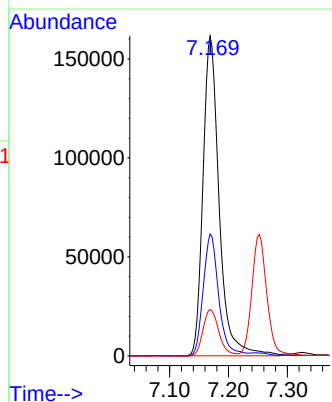
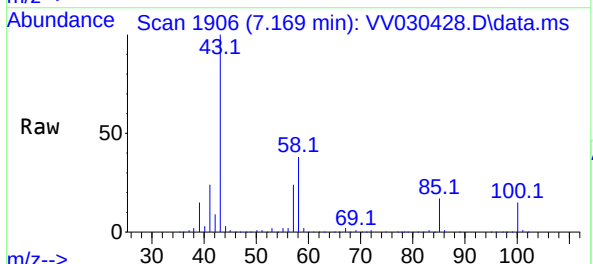
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

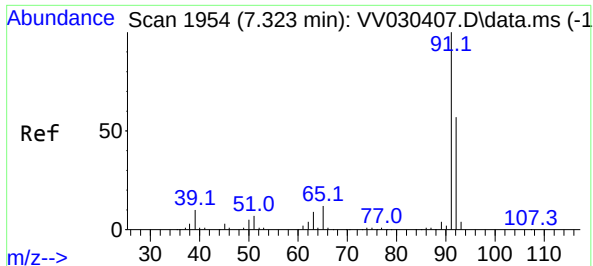
Tgt Ion: 75 Resp: 69029
Ion Ratio Lower Upper
75 100
77 32.0 22.0 41.0



#40
4-Methyl-2-pentanone
Concen: 53.066 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 43 Resp: 307893
Ion Ratio Lower Upper
43 100
58 36.7 28.8 43.2
100 14.2 10.7 16.1

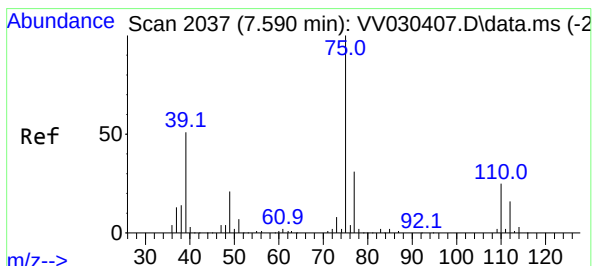
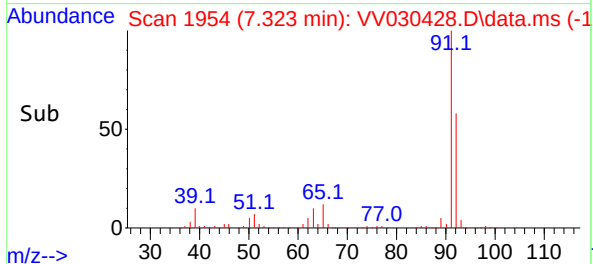
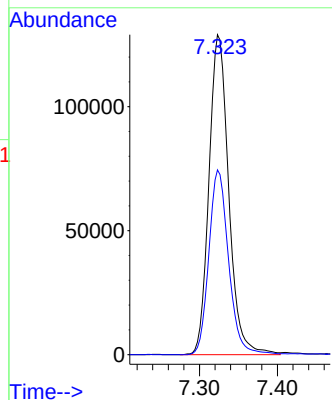
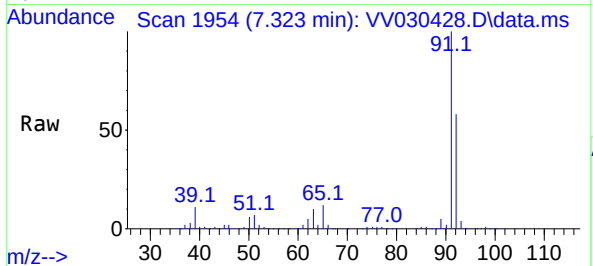




#42
Toluene
Concen: 4.979 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

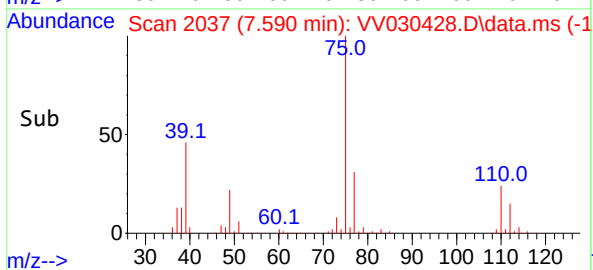
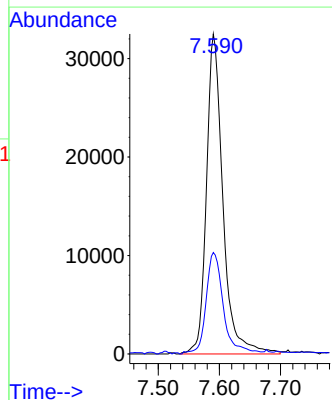
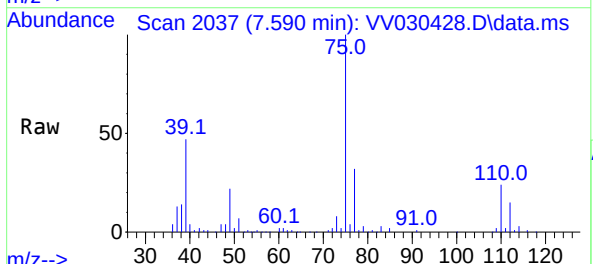
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

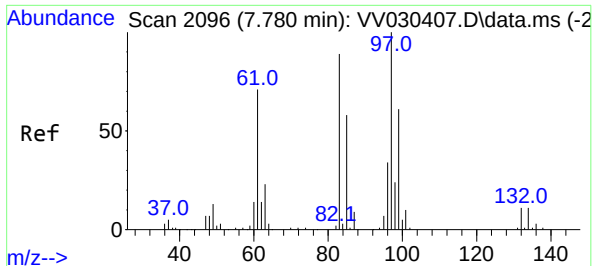
Tgt Ion: 91 Resp: 227459
Ion Ratio Lower Upper
91 100
92 57.7 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 4.619 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 75 Resp: 60857
Ion Ratio Lower Upper
75 100
77 31.7 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 4.817 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion: 97 Resp: 37345

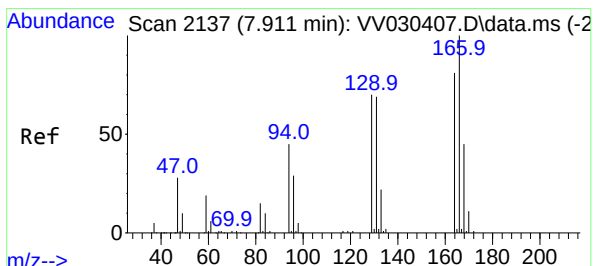
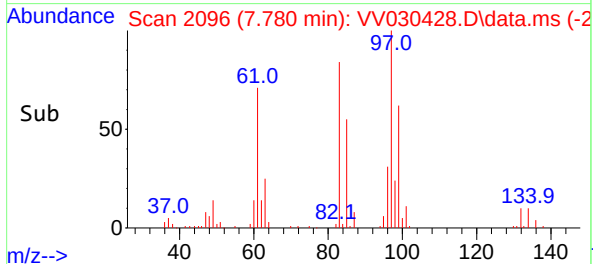
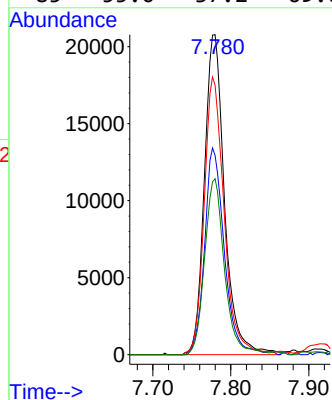
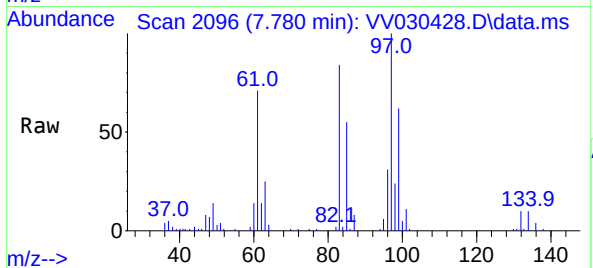
Ion Ratio Lower Upper

97 100

99 62.3 44.0 81.8

83 84.2 58.8 109.2

85 55.0 37.2 69.0



#47

Tetrachloroethene

Concen: 4.729 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Tgt Ion:164 Resp: 48273

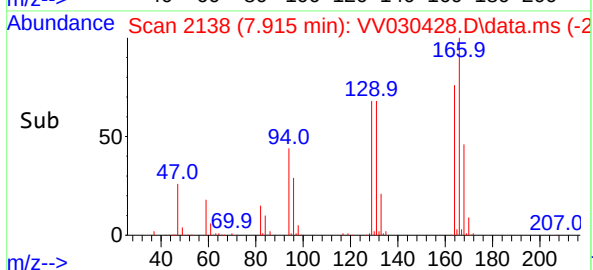
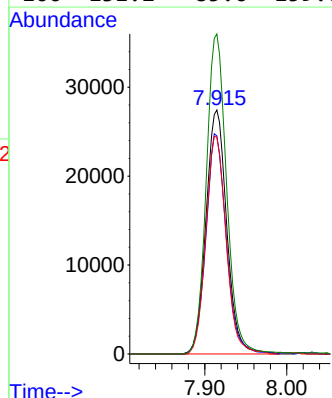
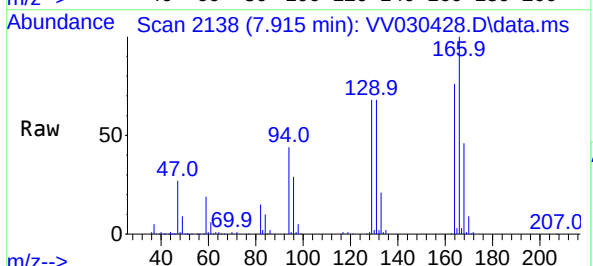
Ion Ratio Lower Upper

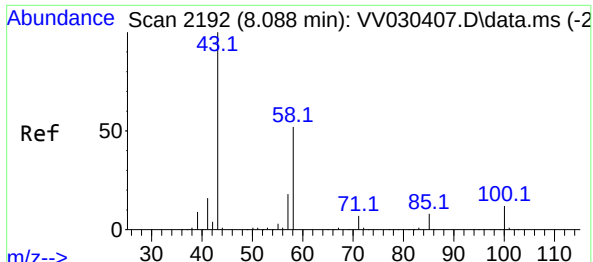
164 100

129 89.4 60.8 112.8

131 88.9 61.7 114.7

166 131.2 85.6 159.0





#48

2-Hexanone

Concen: 54.126 ug/L

RT: 8.085 min Scan# 2192

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion: 43 Resp: 235199

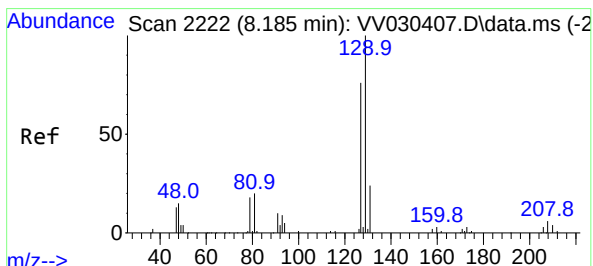
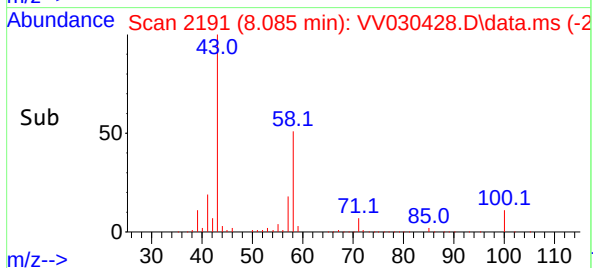
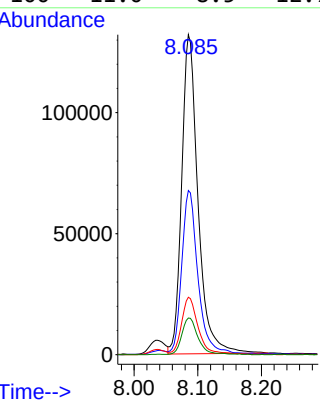
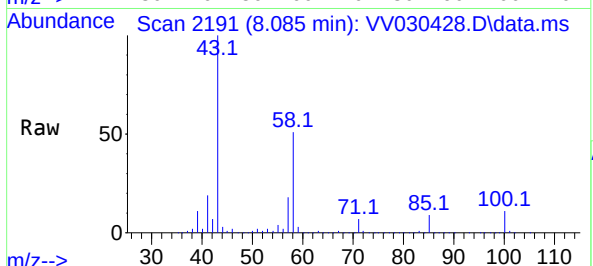
Ion Ratio Lower Upper

43 100

58 50.3 40.3 60.5

57 18.6 14.6 22.0

100 11.0 8.5 12.7



#49

Dibromochloromethane

Concen: 4.899 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030428.D

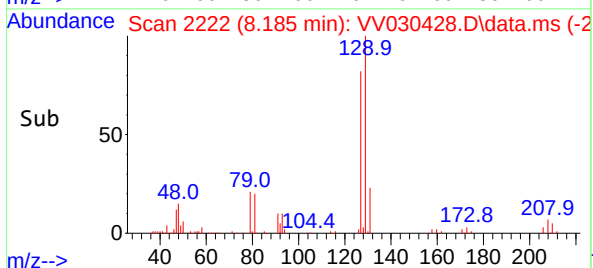
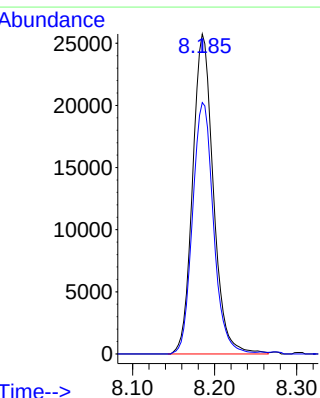
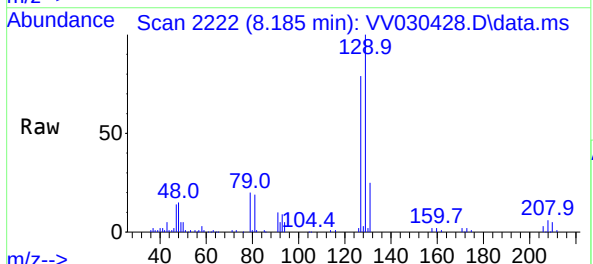
Acq: 06 Apr 2023 19:49

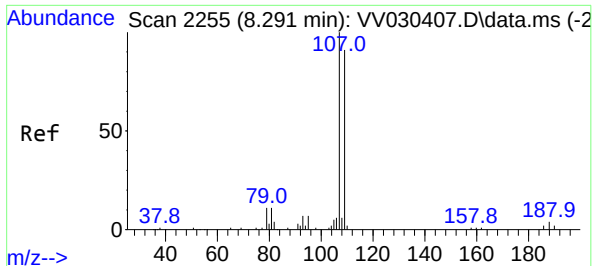
Tgt Ion: 129 Resp: 45211

Ion Ratio Lower Upper

129 100

127 78.5 52.7 97.9





#50

1,2-Dibromoethane

Concen: 4.948 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

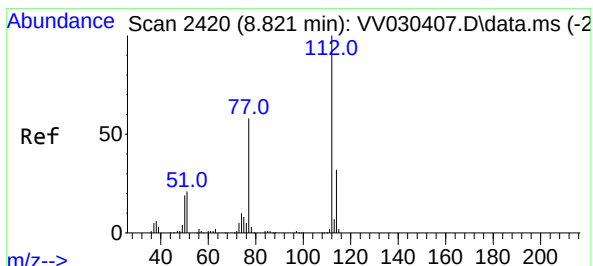
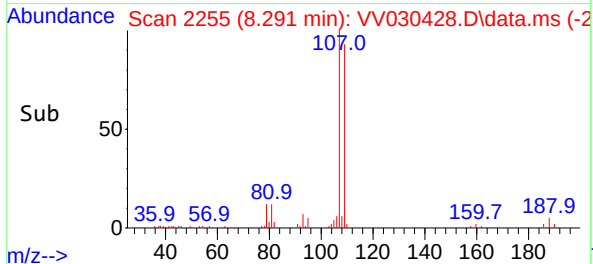
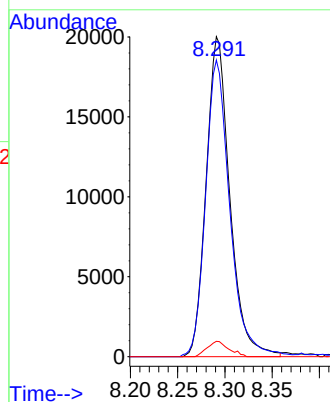
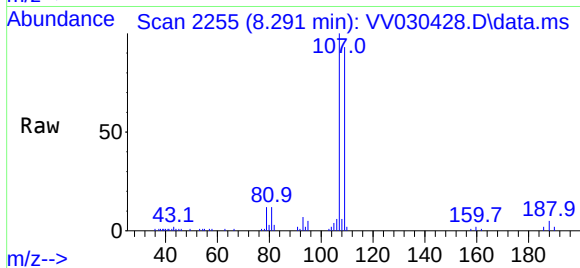
Tgt Ion:107 Resp: 34899

Ion Ratio Lower Upper

107 100

109 92.7 62.9 116.9

188 4.8 3.0 4.6#



#51

Chlorobenzene

Concen: 4.846 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

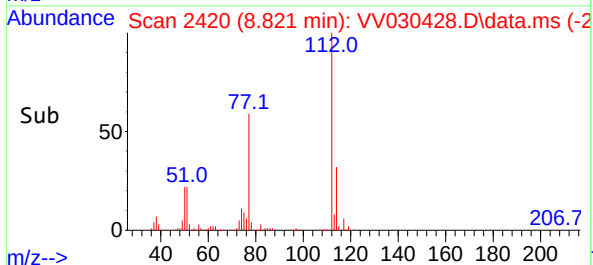
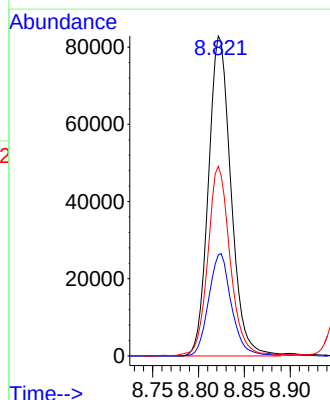
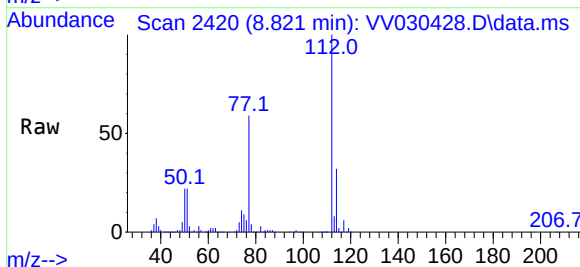
Tgt Ion:112 Resp: 141760

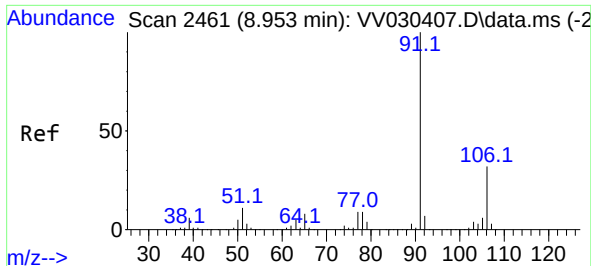
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 59.2 45.9 68.9

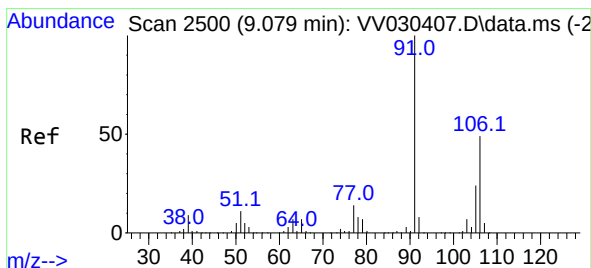
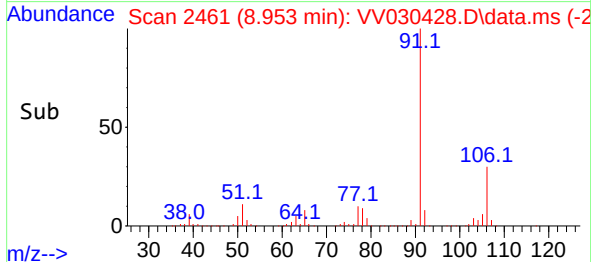
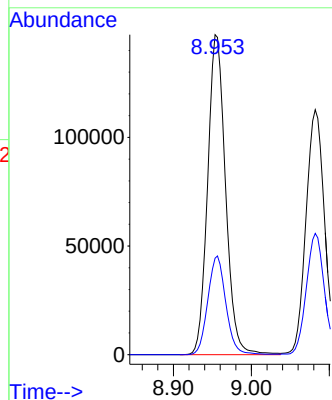
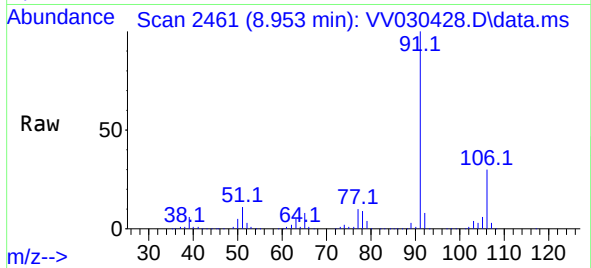




#52
Ethylbenzene
Concen: 4.702 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

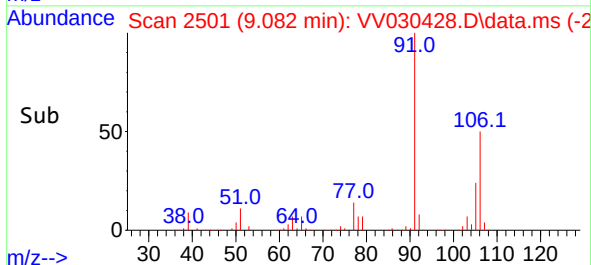
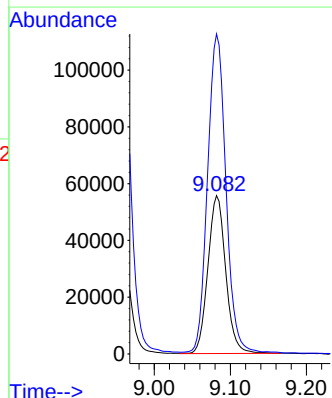
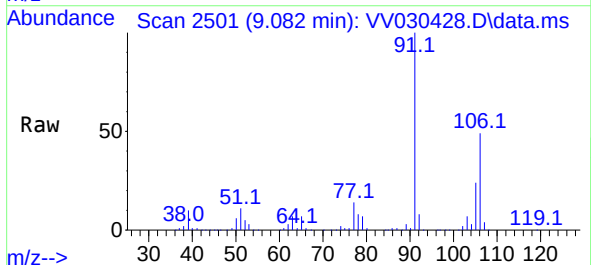
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

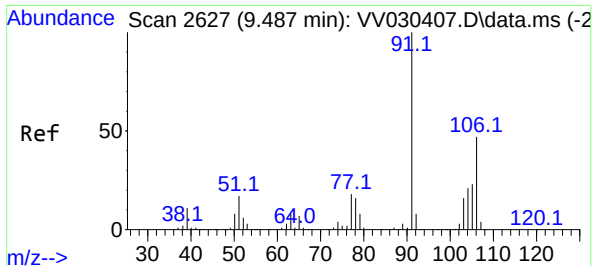
Tgt Ion: 91 Resp: 235008
Ion Ratio Lower Upper
91 100
106 30.1 22.2 41.2



#53
m,p-Xylene
Concen: 4.736 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 106 Resp: 90615
Ion Ratio Lower Upper
106 100
91 202.1 142.4 264.4

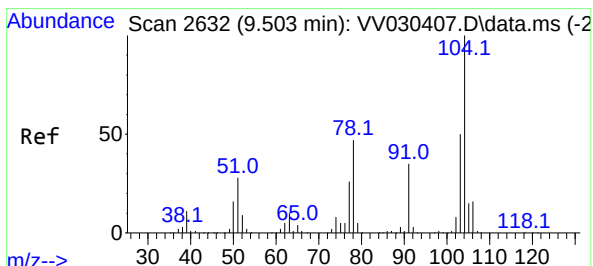
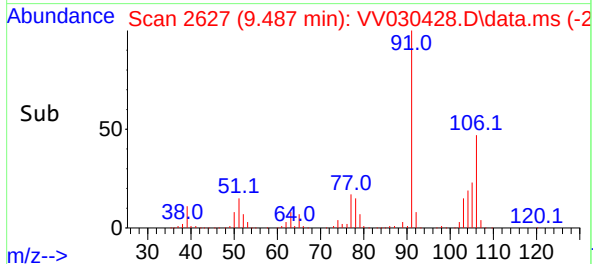
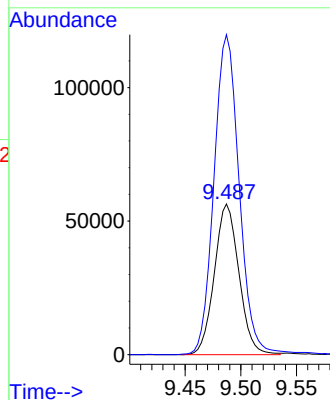
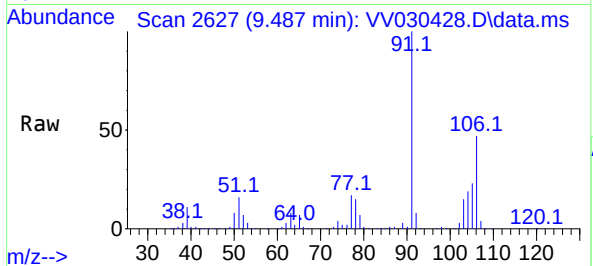




#54
o-Xylene
Concen: 4.731 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

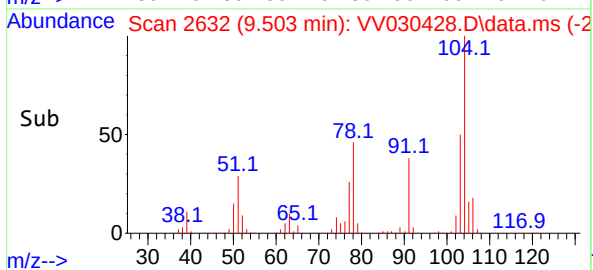
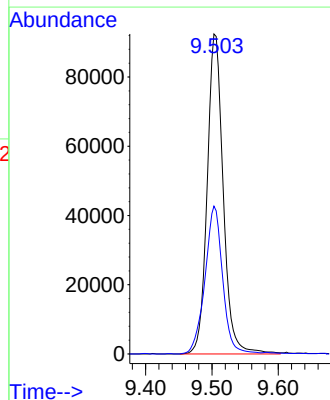
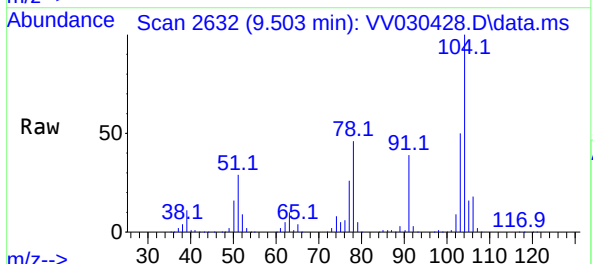
Instrument : MSVOA_V
ClientSampleId : VSTD005323

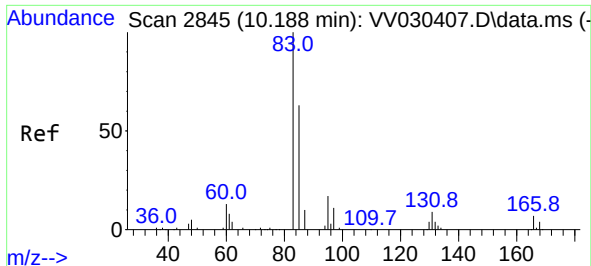
Tgt Ion:106 Resp: 86604
Ion Ratio Lower Upper
106 100
91 212.2 149.8 278.2



#55
Styrene
Concen: 5.013 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion:104 Resp: 155861
Ion Ratio Lower Upper
104 100
78 46.2 31.9 59.2

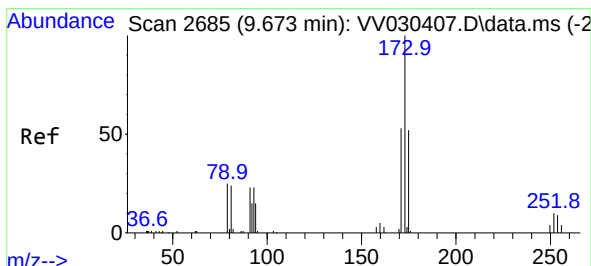
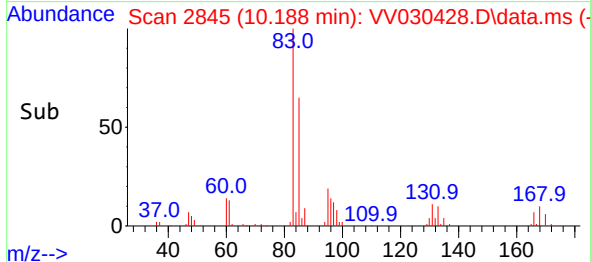
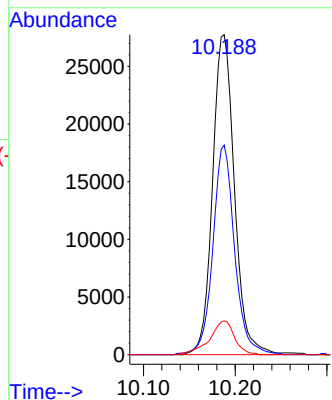
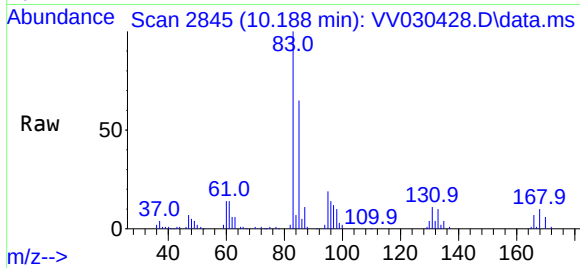




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.995 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

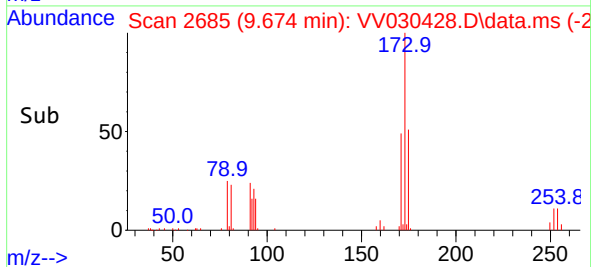
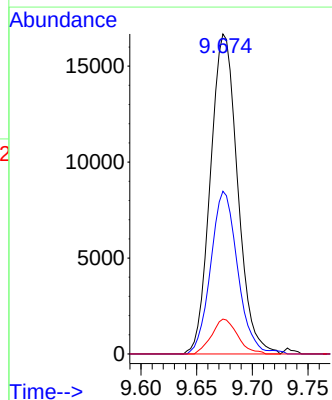
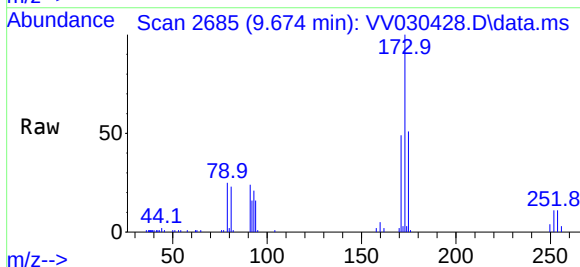
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

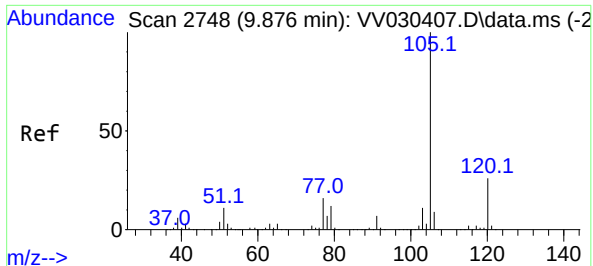
Tgt Ion:	83	Resp:	45962
Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.3	84.1
131	10.6	8.2	12.4



#59
 Bromoform
 Concen: 4.842 ug/L
 RT: 9.674 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030428.D
 Acq: 06 Apr 2023 19:49

Tgt Ion:	173	Resp:	28314
Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.0	58.4
254	10.4	8.2	12.4

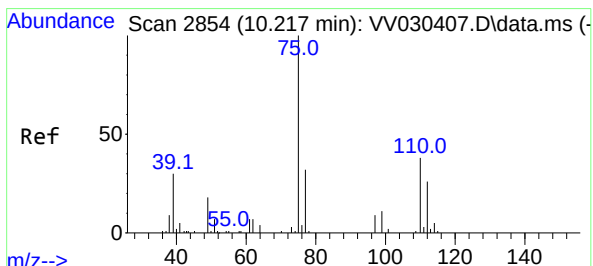
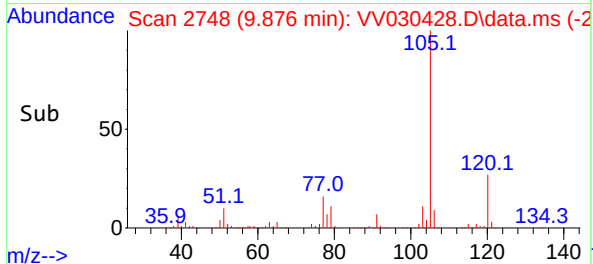
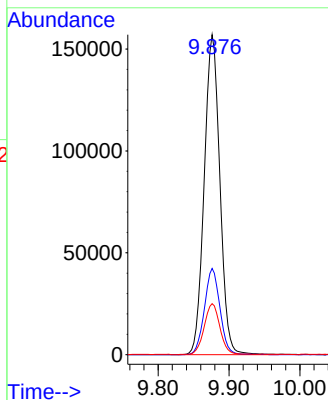
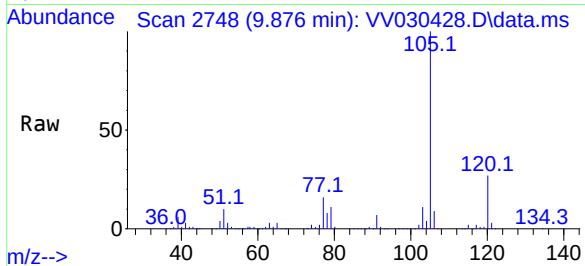




#60
Isopropylbenzene
Concen: 4.518 ug/L
RT: 9.876 min Scan# 21058
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

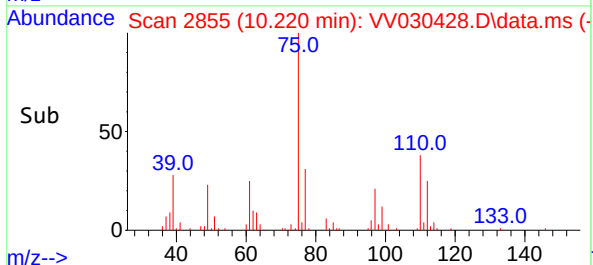
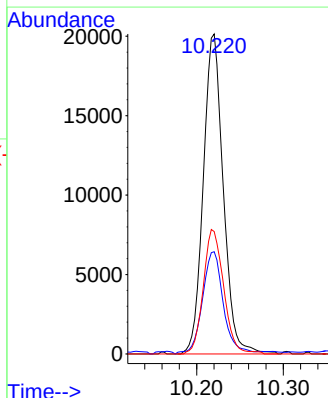
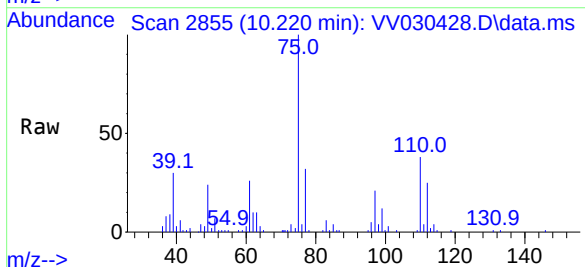
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

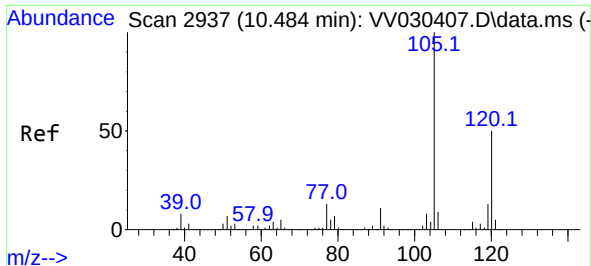
Tgt Ion:105 Resp: 241058
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 16.2 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.998 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion: 75 Resp: 32330
Ion Ratio Lower Upper
75 100
77 33.3 26.0 39.0
110 39.7 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.368 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

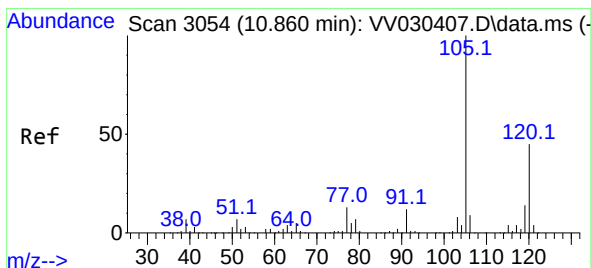
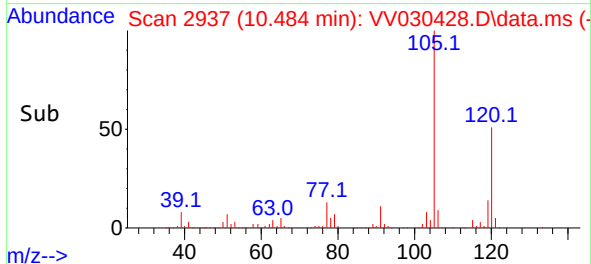
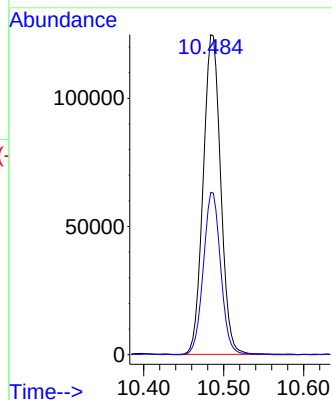
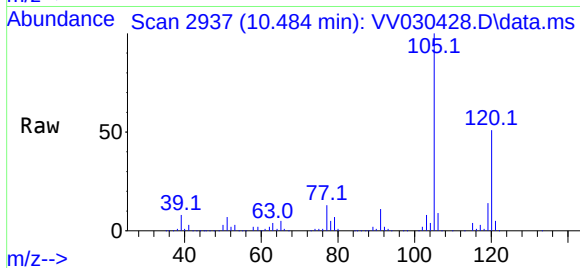
VSTD005323

Tgt Ion:105 Resp: 190176

Ion Ratio Lower Upper

105 100

120 50.3 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.478 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030428.D

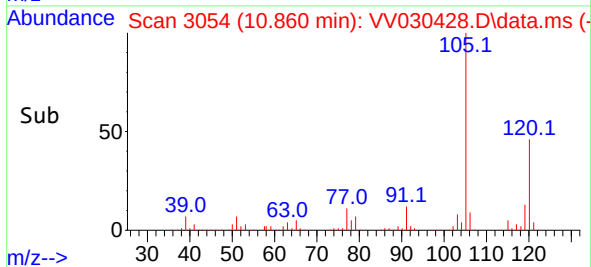
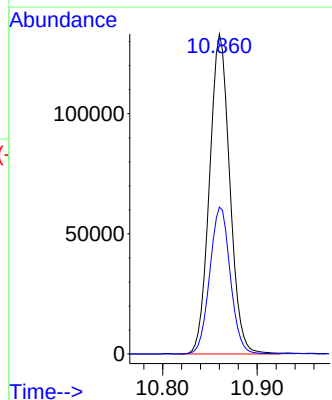
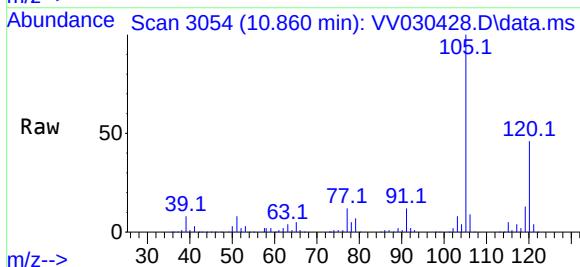
Acq: 06 Apr 2023 19:49

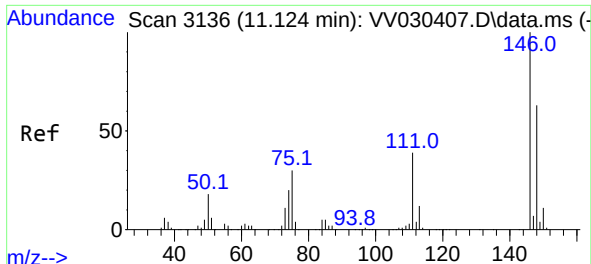
Tgt Ion:105 Resp: 198712

Ion Ratio Lower Upper

105 100

120 46.4 36.8 55.2

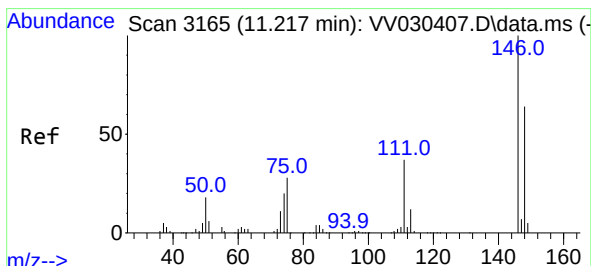
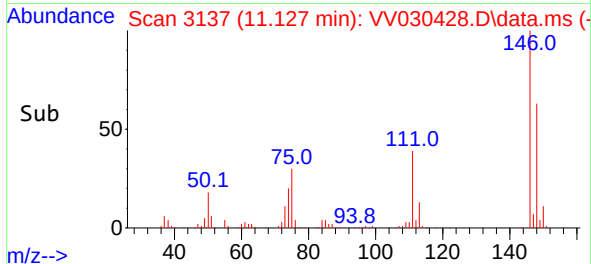
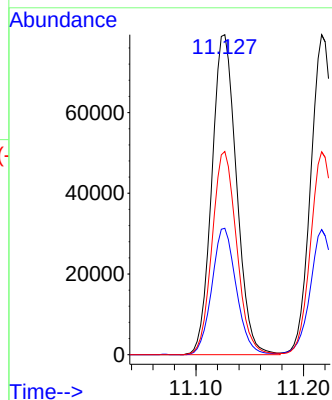
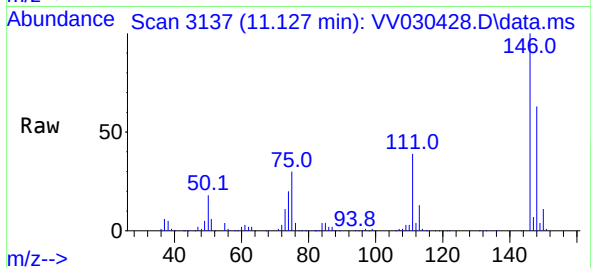




#64
1,3-Dichlorobenzene
Concen: 4.753 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

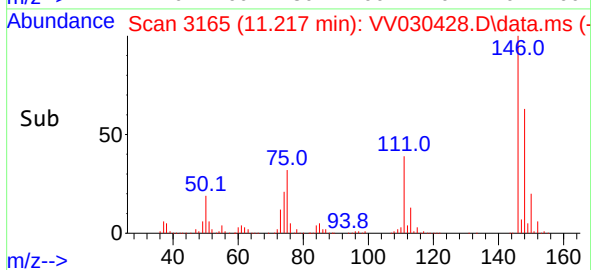
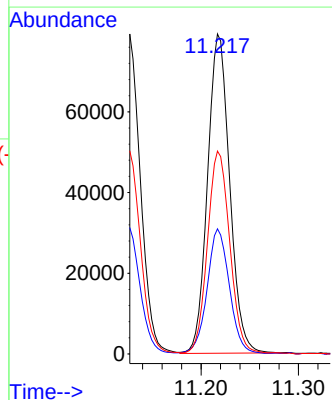
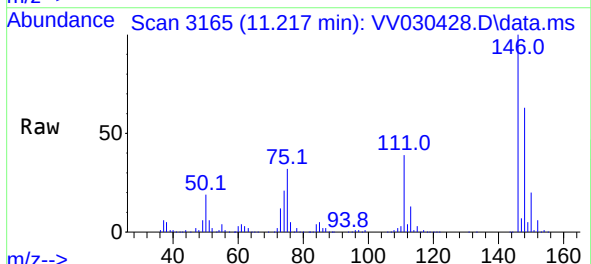
Instrument : MSVOA_V
ClientSampleId : VSTD005323

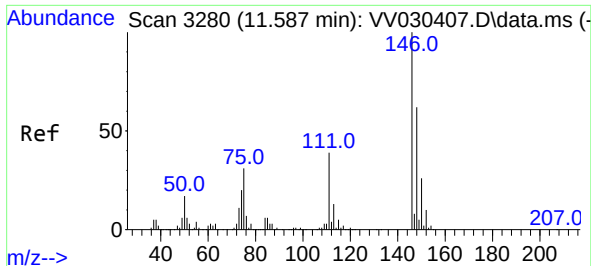
Tgt Ion:146 Resp: 126460
Ion Ratio Lower Upper
146 100
111 39.5 27.0 50.2
148 63.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.640 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion:146 Resp: 124373
Ion Ratio Lower Upper
146 100
111 39.1 26.0 48.4
148 63.4 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.868 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

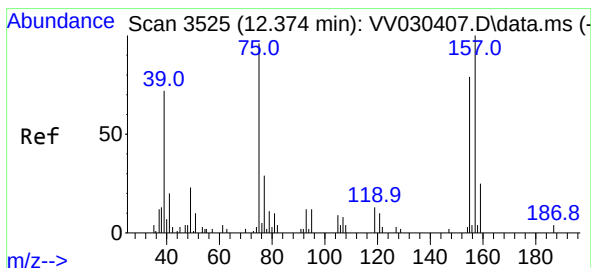
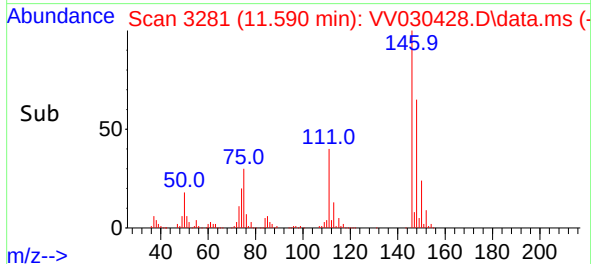
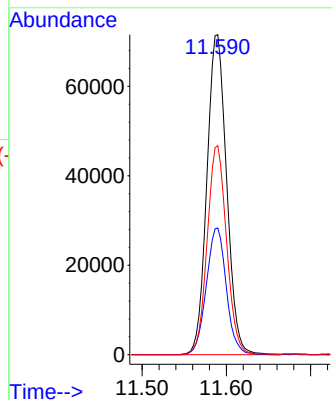
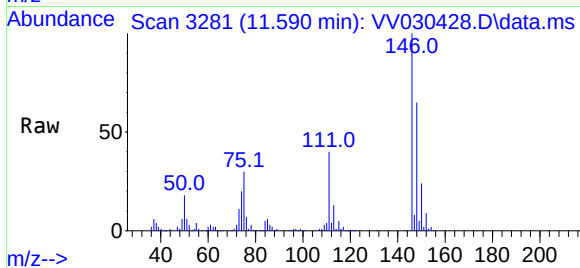
Tgt Ion:146 Resp: 116713

Ion Ratio Lower Upper

146 100

111 39.6 33.1 49.7

148 65.3 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.776 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

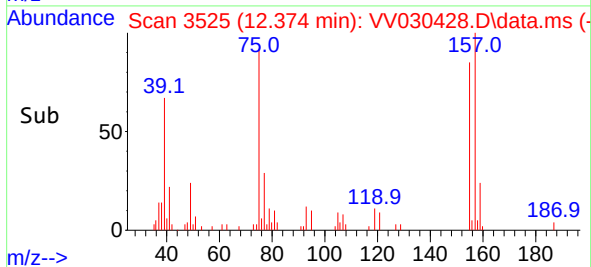
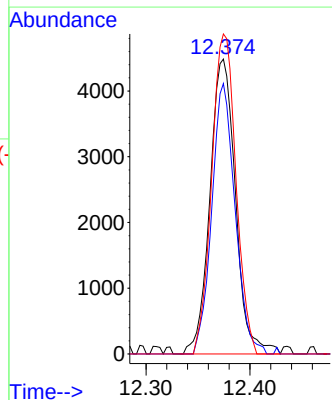
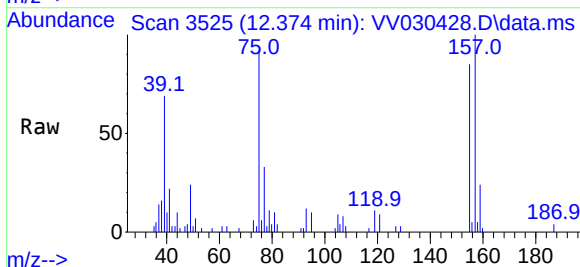
Tgt Ion: 75 Resp: 7685

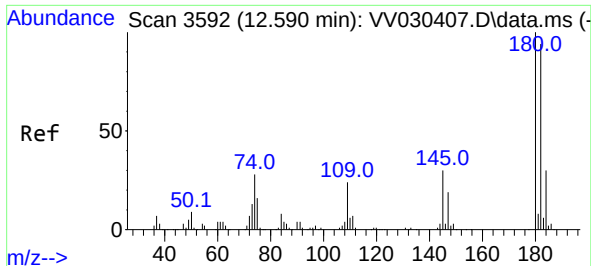
Ion Ratio Lower Upper

75 100

155 91.7 64.6 96.8

157 108.5 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.647 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion:180 Resp: 95212

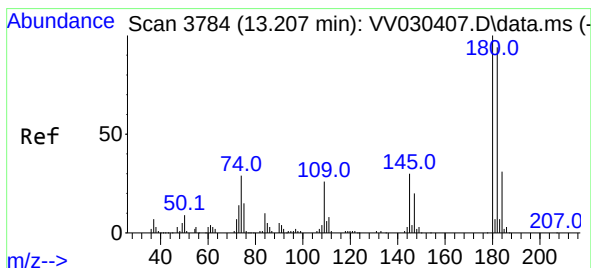
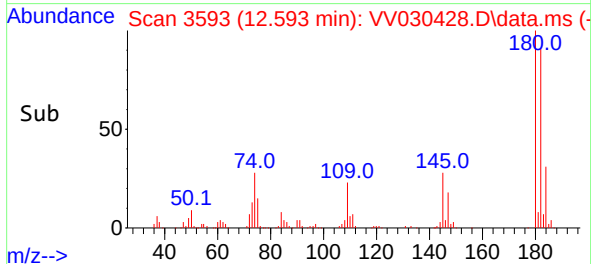
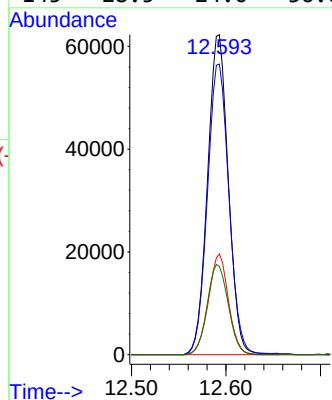
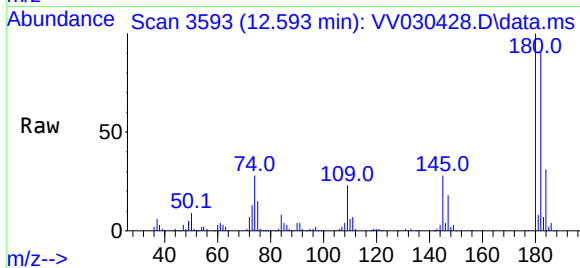
Ion Ratio Lower Upper

180 100

182 93.9 76.5 114.7

184 30.3 24.0 36.0

145 28.5 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.692 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030428.D

Acq: 06 Apr 2023 19:49

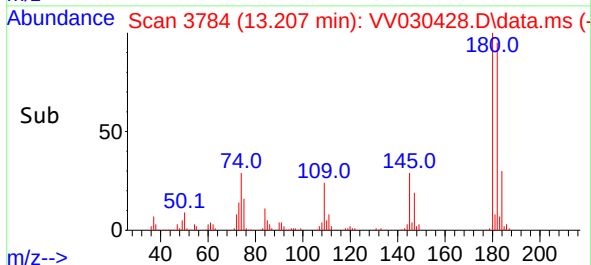
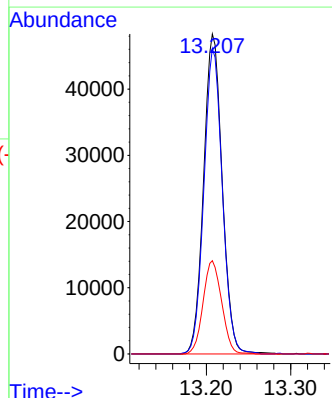
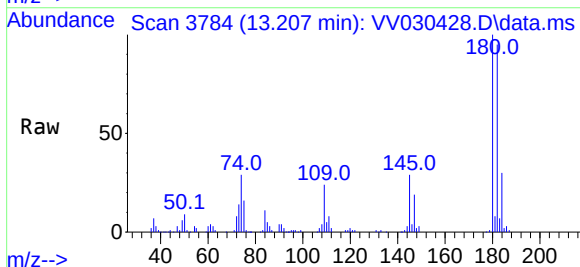
Tgt Ion:180 Resp: 74222

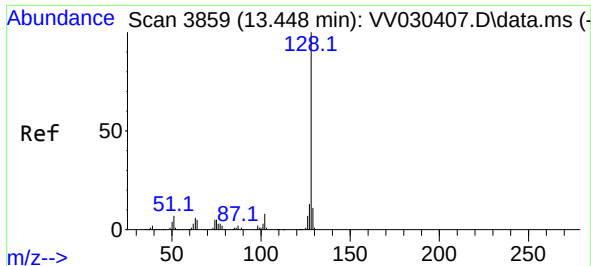
Ion Ratio Lower Upper

180 100

182 94.5 75.3 112.9

145 29.1 23.8 35.6

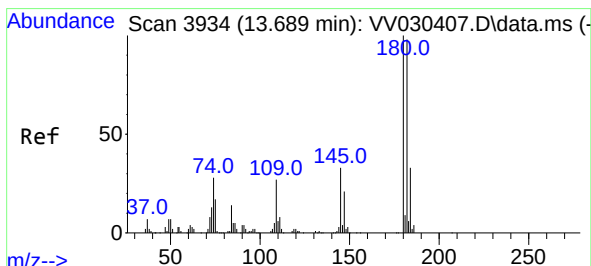
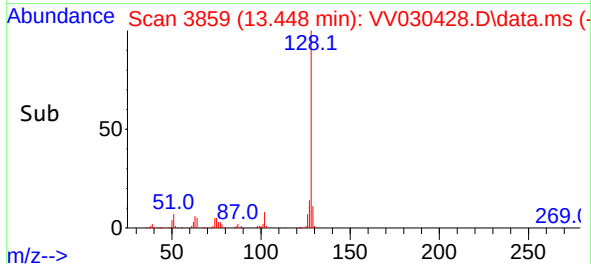
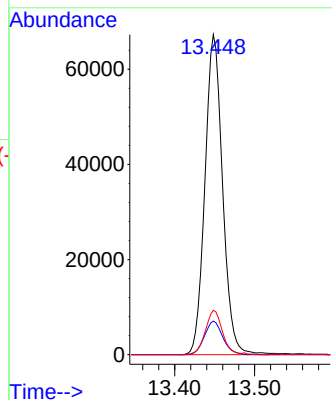
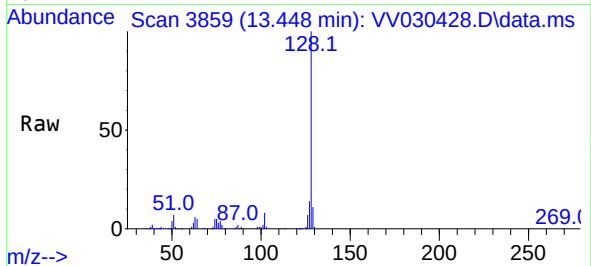




#71
Naphthalene
Concen: 4.591 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

Tgt Ion:	128	Resp:	103703
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	13.5	10.8	16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.717 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030428.D
Acq: 06 Apr 2023 19:49

Tgt Ion:	180	Resp:	64644
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.6	115.0
145	31.9	25.0	37.4

