

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048138.D
 Acq On : 20 Apr 2022 12:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Quant Time: Apr 21 02:35:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 20 02:08:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	355348	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	353077	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	216406	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	123363	47.873	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.740%
7) Chloroethane-d5	1.916	69	101371	49.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.780%
11) 1,1-Dichloroethene-d2	2.572	63	215547	45.719	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.440%
21) 2-Butanone-d5	4.620	46	198097	89.565	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.560%
24) Chloroform-d	5.067	84	233387	49.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.703	65	138831	48.009	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.020%
32) Benzene-d6	5.729	84	457212	51.462	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.920%
36) 1,2-Dichloropropane-d6	6.694	67	147361	54.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.020%
41) Toluene-d8	7.899	98	428953	49.555	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.120%
43) trans-1,3-Dichloroprop...	8.179	79	65804	47.605	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.200%
47) 2-Hexanone-d5	8.632	63	136005	85.149	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.150%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	234979	50.182	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	181103	47.039	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	140204	42.558	ug/L	99
3) Chloromethane	1.523	50	139456	44.264	ug/L	99
5) Vinyl chloride	1.607	62	151650	47.196	ug/L	100
6) Bromomethane	1.858	94	72687	42.029	ug/L	98
8) Chloroethane	1.935	64	96597	47.888	ug/L	96
9) Trichlorofluoromethane	2.141	101	206545	45.584	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	134438	51.329	ug/L	99
12) 1,1-Dichloroethene	2.584	96	115053	47.201	ug/L	88
13) Acetone	2.623	43	167865	81.557	ug/L	98
14) Carbon disulfide	2.797	76	294188	38.182	ug/L	100
15) Methyl Acetate	2.948	43	161791	49.295	ug/L	100
16) Methylene chloride	3.051	84	147017	52.560	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	123610	47.016	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	379358	51.145	ug/L	98
19) 1,1-Dichloroethane	3.874	63	242800	53.547	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	144302	50.064	ug/L	97
22) 2-Butanone	4.700	43	236705	89.276	ug/L	97
23) Bromochloromethane	4.977	128	82984	52.438	ug/L	97
25) Chloroform	5.092	83	259507	53.158	ug/L	100

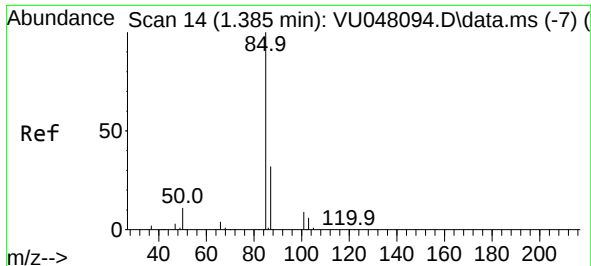
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	188923	50.091	ug/L	97
29) Cyclohexane	5.391	56	171541	47.880	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	211343	52.789	ug/L	99
31) Carbon tetrachloride	5.526	117	183574	50.779	ug/L	99
33) Benzene	5.777	78	553084	54.118	ug/L	100
34) Trichloroethene	6.546	95	139270	51.979	ug/L	98
35) Methylcyclohexane	6.764	83	193249	47.410	ug/L	96
37) 1,2-Dichloropropane	6.793	63	150088	57.769	ug/L	100
38) Bromodichloromethane	7.108	83	197524	55.364	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	215779	53.527	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	419511	102.165	ug/L	99
42) Toluene	7.970	91	606562	54.091	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	215472	53.534	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	151919	55.135	ug/L	99
46) Tetrachloroethene	8.555	164	121679	50.536	ug/L	99
48) 2-Hexanone	8.684	43	331917	93.972	ug/L	99
49) Dibromochloromethane	8.813	129	171353	53.692	ug/L	99
50) 1,2-Dibromoethane	8.925	107	152818	49.471	ug/L	99
51) Chlorobenzene	9.449	112	388287	50.997	ug/L	99
52) Ethylbenzene	9.571	91	608787	51.632	ug/L	100
53) m,p-Xylene	9.697	106	252424	54.561	ug/L	98
54) o-Xylene	10.102	106	242253	53.351	ug/L	99
55) Styrene	10.115	104	426747	55.047	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	281432	54.481	ug/L	100
59) Bromoform	10.292	173	143805	51.967	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	216497	53.068	ug/L	99
61) Isopropylbenzene	10.484	105	612368	52.359	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	310853	48.986	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	502080	52.088	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	338803	52.118	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	338294	50.241	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	337289	51.854	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	61274	46.889	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	253814	48.075	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	221676	47.937	ug/L	99
71) Naphthalene	14.089	128	626011	45.406	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	231518	49.941	ug/L	99

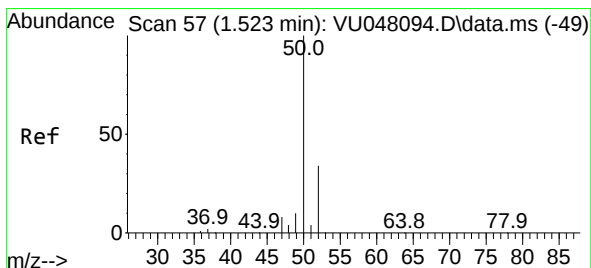
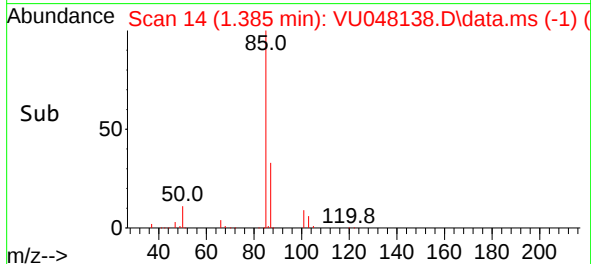
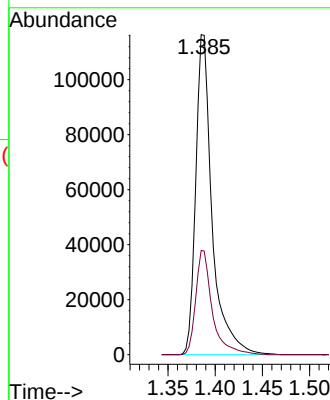
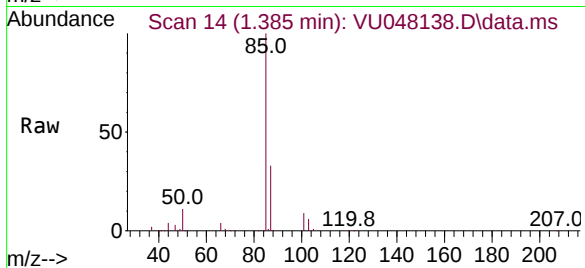
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 42.558 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

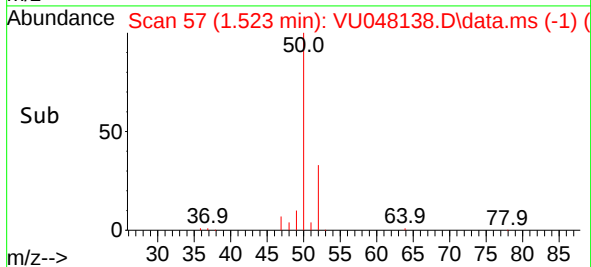
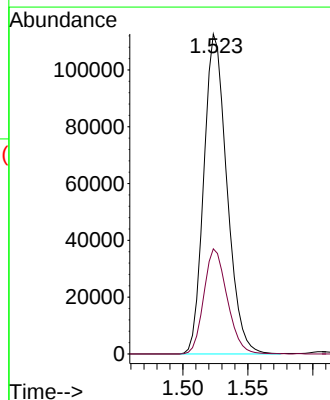
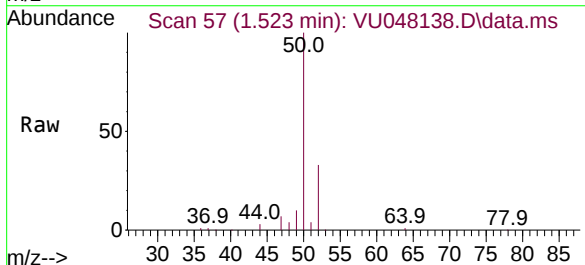
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

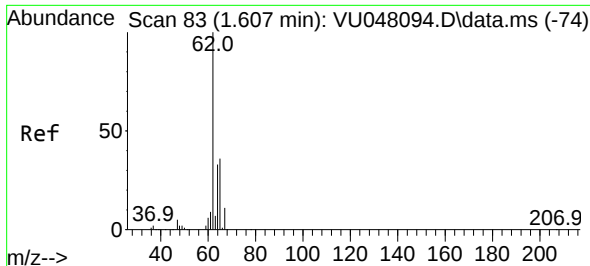
Tgt Ion: 85 Resp: 140204
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.8



#3
Chloromethane
Concen: 44.264 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 50 Resp: 139456
Ion Ratio Lower Upper
50 100
52 32.8 23.2 43.2

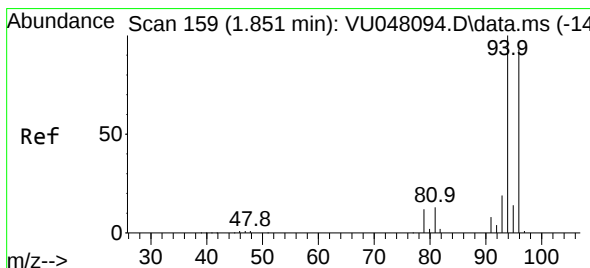
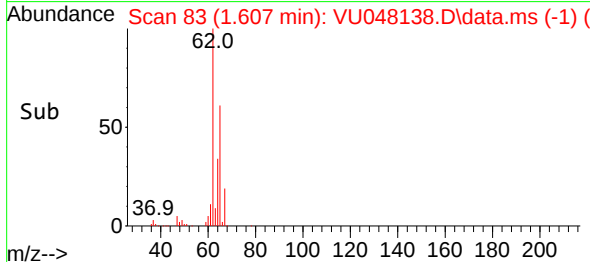
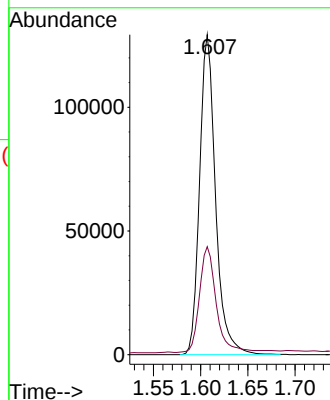
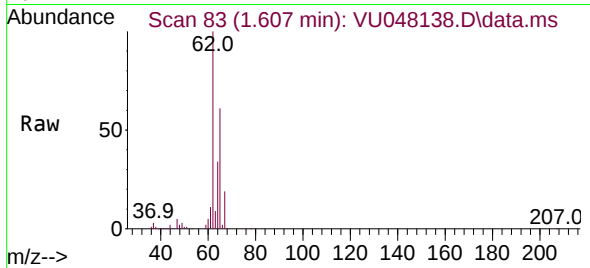




#5
 Vinyl chloride
 Concen: 47.196 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

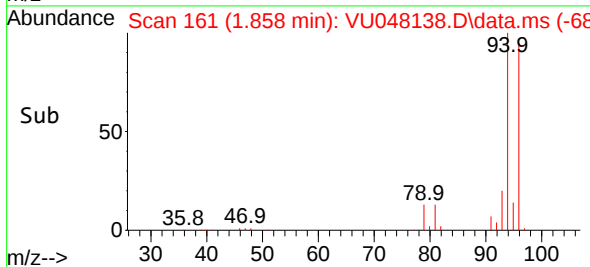
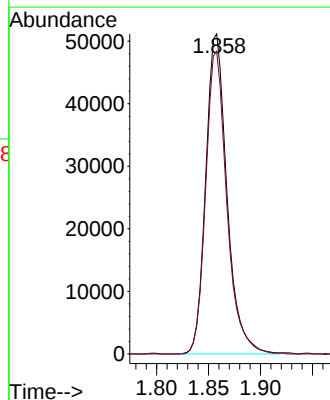
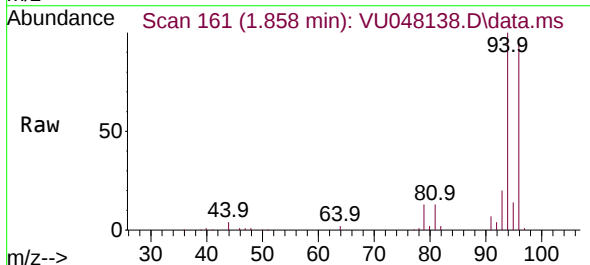
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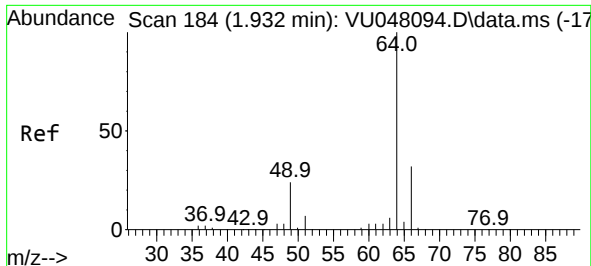
Tgt Ion: 62 Resp: 151650
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.7 43.9



#6
 Bromomethane
 Concen: 42.029 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion: 94 Resp: 72687
 Ion Ratio Lower Upper
 94 100
 96 94.6 64.8 120.3





#8

Chloroethane

Concen: 47.888 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

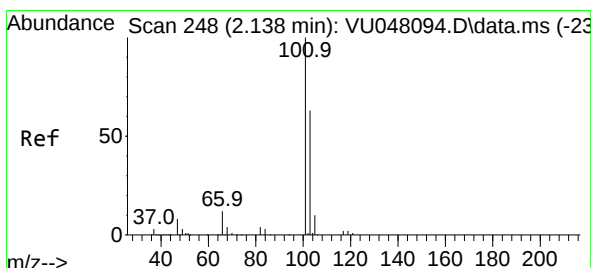
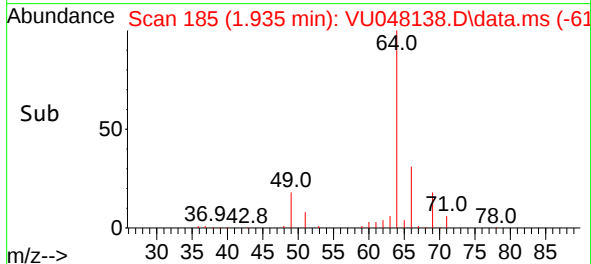
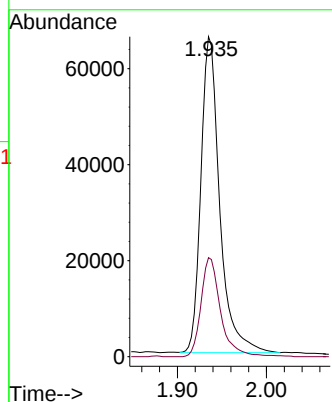
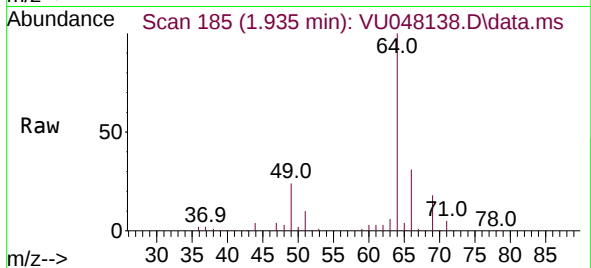
VSTD050090

Tgt Ion: 64 Resp: 96597

Ion Ratio Lower Upper

64 100

66 31.0 23.3 43.3



#9

Trichlorofluoromethane

Concen: 45.584 ug/L

RT: 2.141 min Scan# 249

Delta R.T. 0.000 min

Lab File: VU048138.D

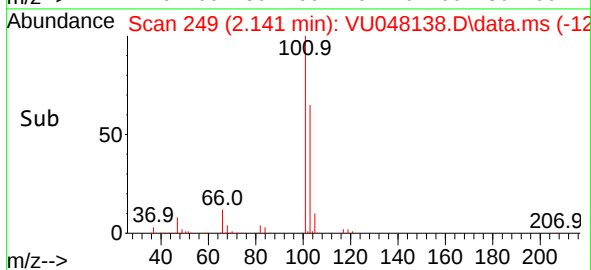
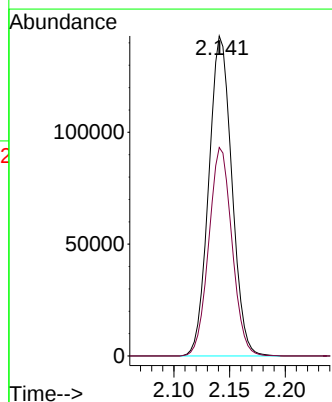
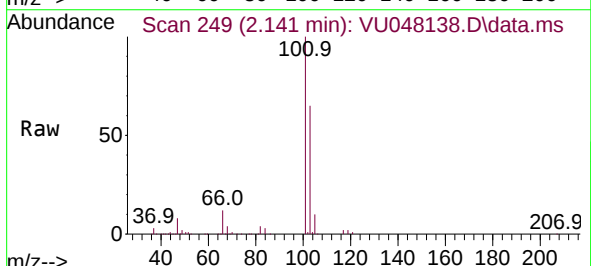
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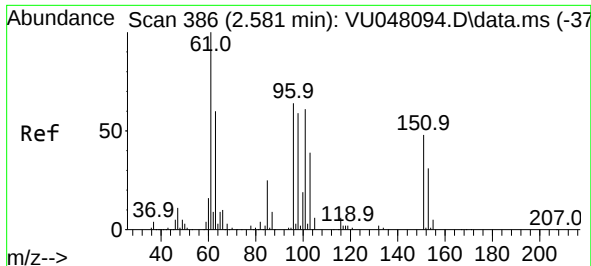
Tgt Ion:101 Resp: 206545

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2

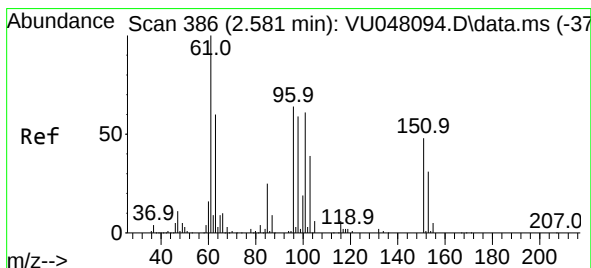
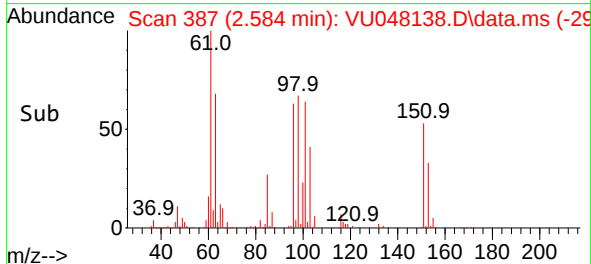
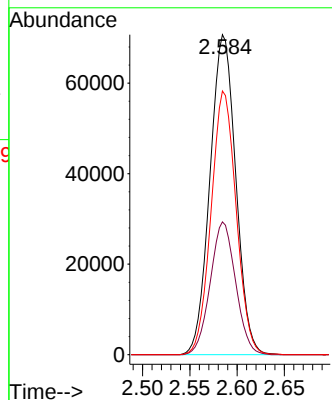
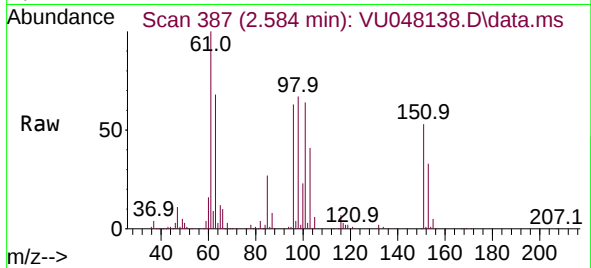




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.329 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

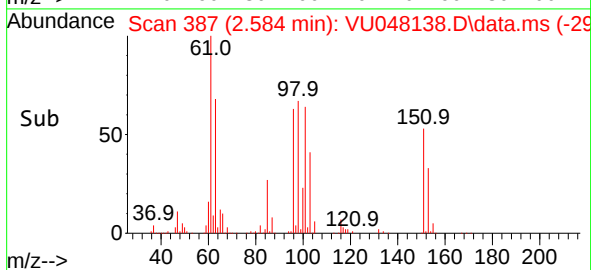
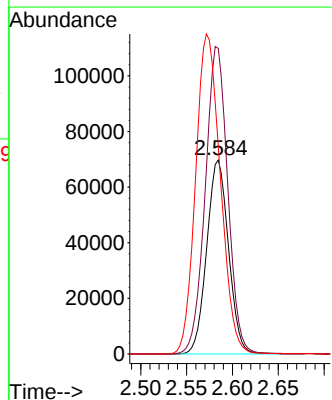
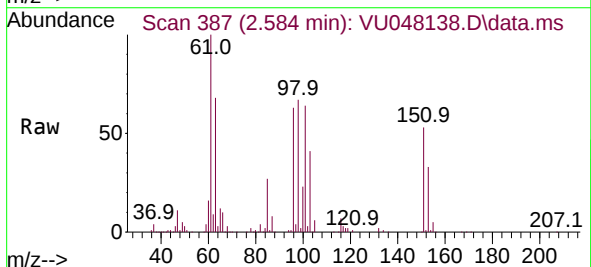
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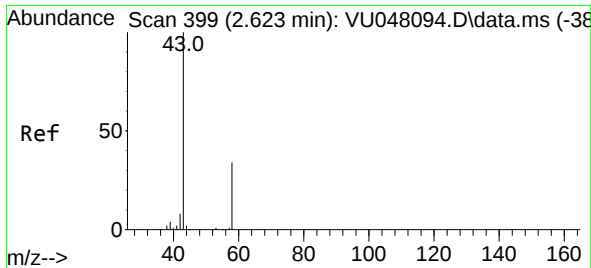
Tgt Ion:101 Resp: 134438
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.8 49.2
 151 80.0 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 47.201 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion: 96 Resp: 115053
 Ion Ratio Lower Upper
 96 100
 61 157.6 113.1 210.1
 63 107.1 94.8 176.0





#13

Acetone

Concen: 81.557 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.006 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

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ClientSampleId :

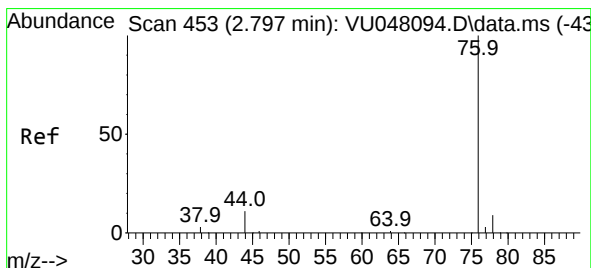
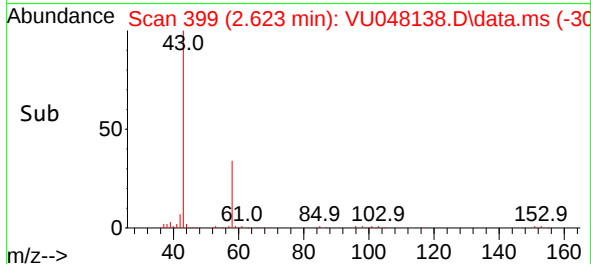
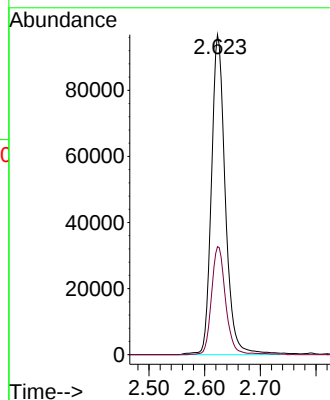
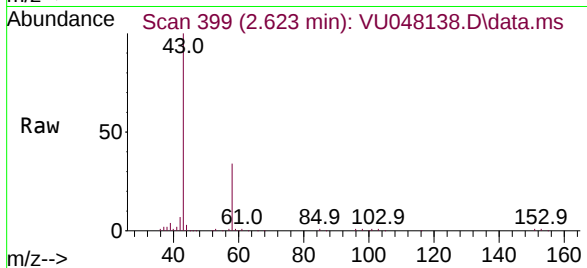
VSTD050090

Tgt Ion: 43 Resp: 167865

Ion Ratio Lower Upper

43 100

58 33.9 0.0 70.0



#14

Carbon disulfide

Concen: 38.182 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU048138.D

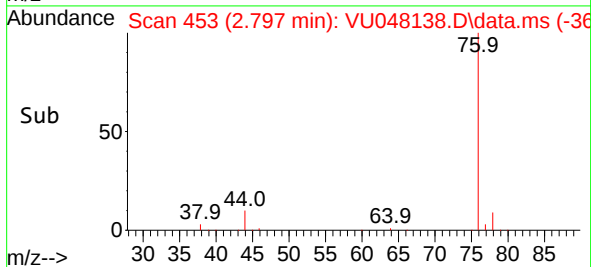
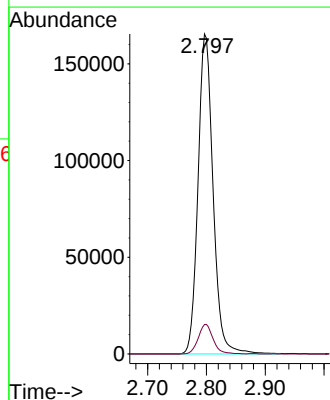
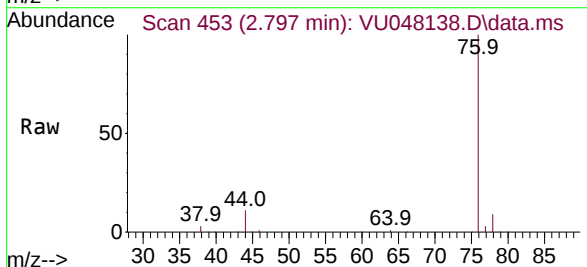
Acq: 20 Apr 2022 12:38

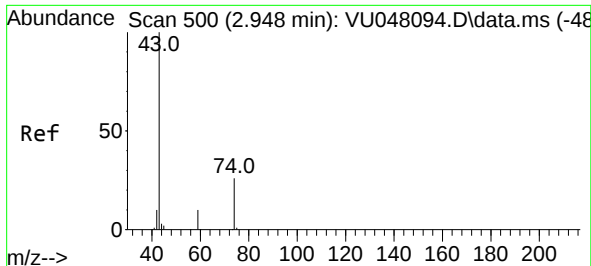
Tgt Ion: 76 Resp: 294188

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

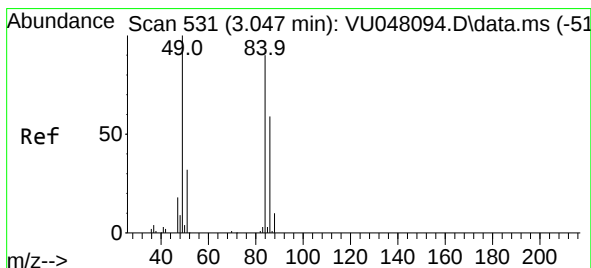
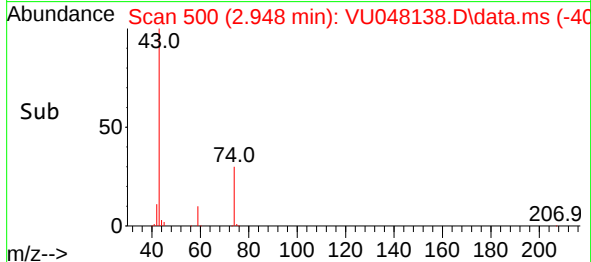
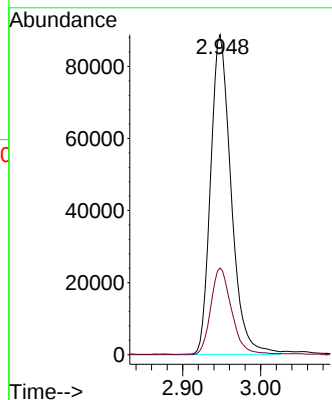
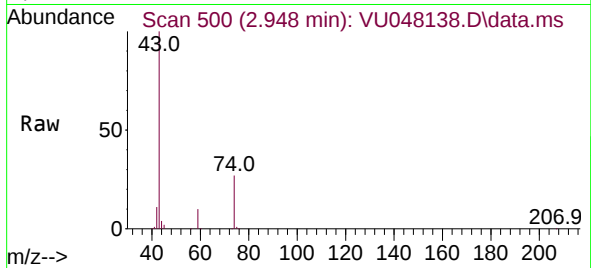




#15
Methyl Acetate
Concen: 49.295 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

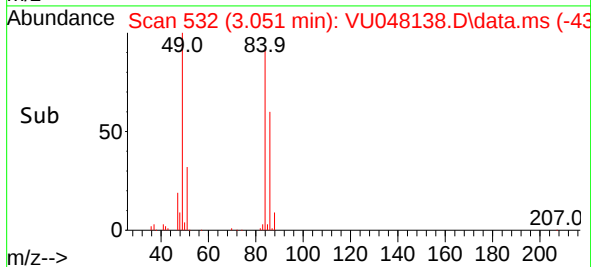
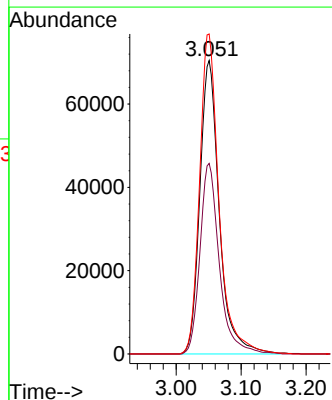
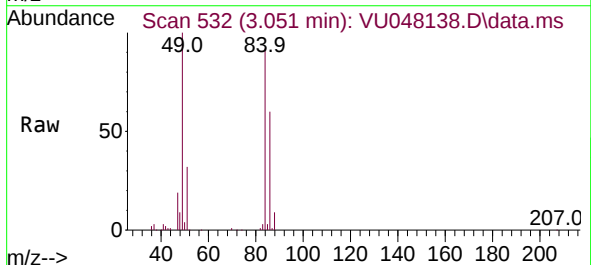
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

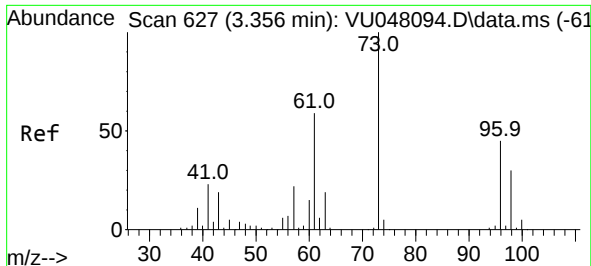
Tgt Ion: 43 Resp: 161791
Ion Ratio Lower Upper
43 100
74 27.6 22.2 33.2



#16
Methylene chloride
Concen: 52.560 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 84 Resp: 147017
Ion Ratio Lower Upper
84 100
86 64.9 46.0 85.4
49 109.0 75.3 139.8



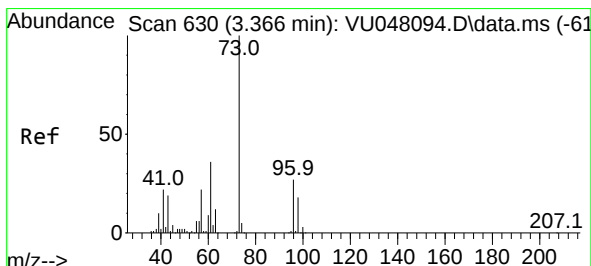
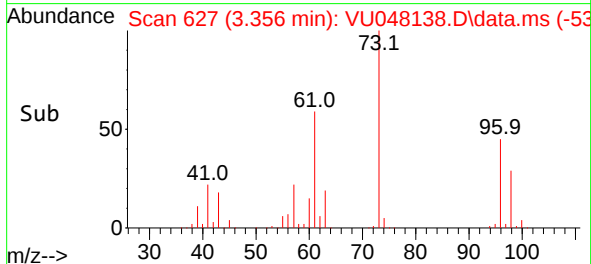
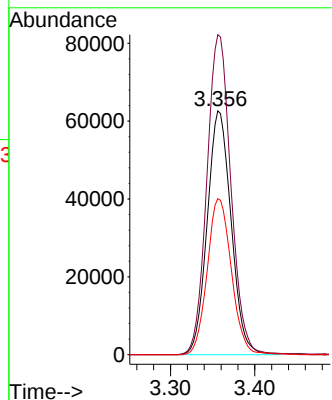
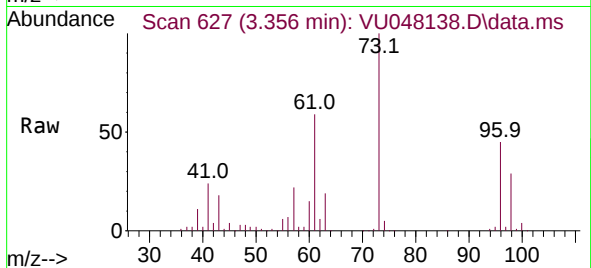


#17
 trans-1,2-Dichloroethene
 Concen: 47.016 ug/L
 RT: 3.356 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Tgt Ion: 96 Resp: 123610

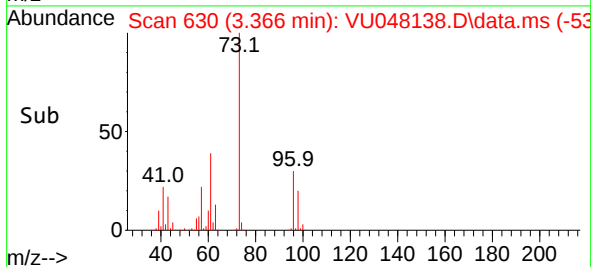
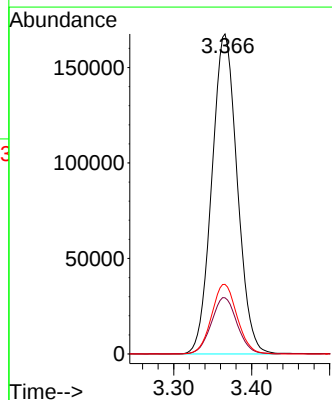
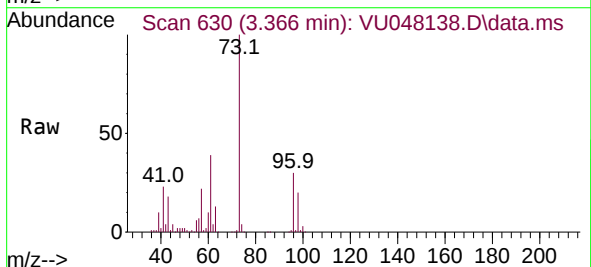
Ion	Ratio	Lower	Upper
96	100		
61	131.2	88.4	164.2
98	64.0	43.3	80.5

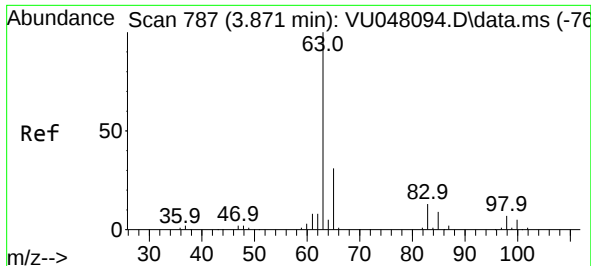


#18
 Methyl tert-butyl Ether
 Concen: 51.145 ug/L
 RT: 3.366 min Scan# 630
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion: 73 Resp: 379358

Ion	Ratio	Lower	Upper
73	100		
43	17.8	15.3	22.9
57	21.9	17.0	25.6





#19

1,1-Dichloroethane

Concen: 53.547 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050090

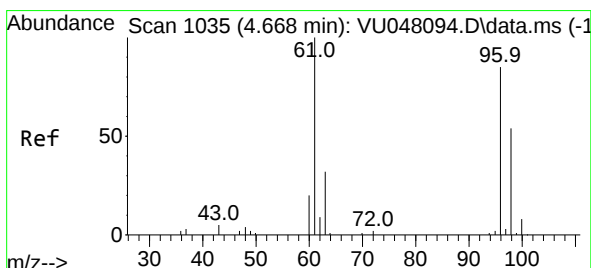
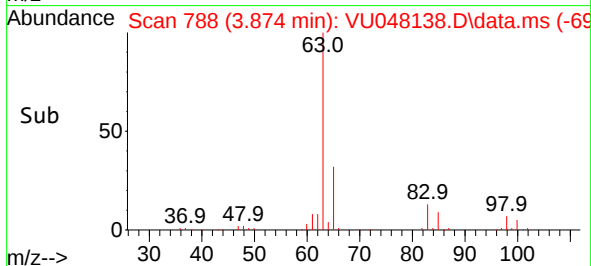
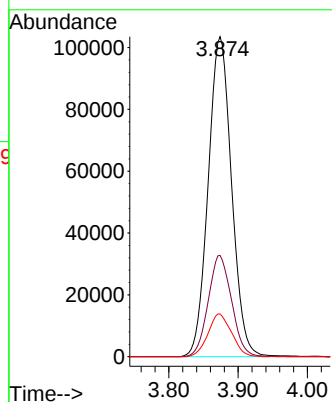
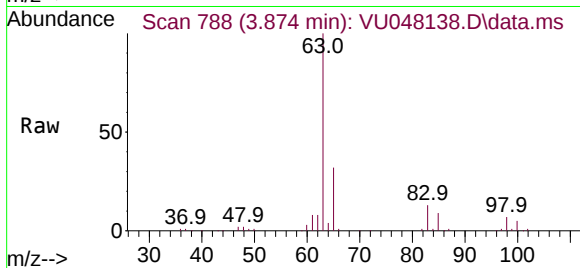
Tgt Ion: 63 Resp: 242800

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

83 13.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 50.064 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

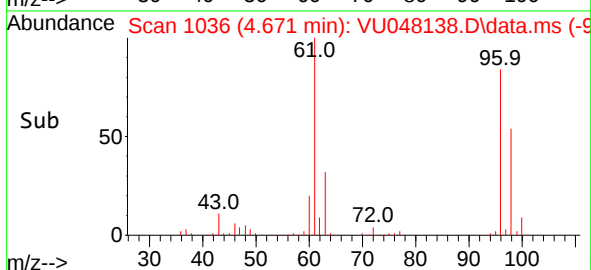
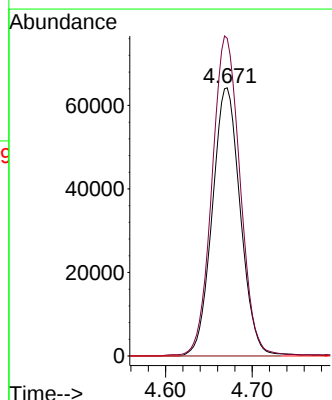
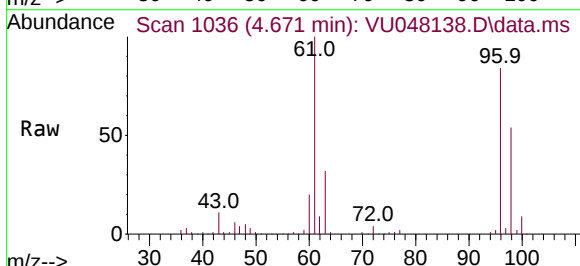
Tgt Ion: 96 Resp: 144302

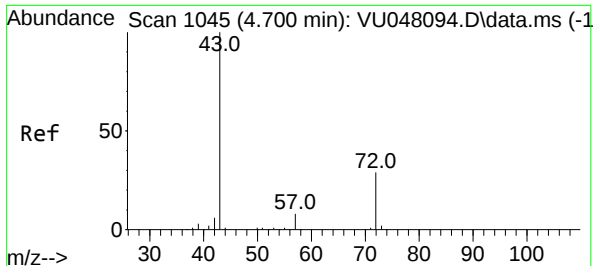
Ion Ratio Lower Upper

96 100

61 118.4 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.276 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

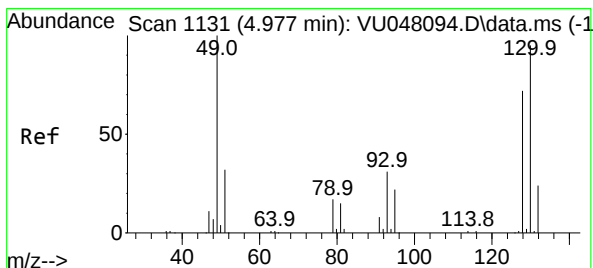
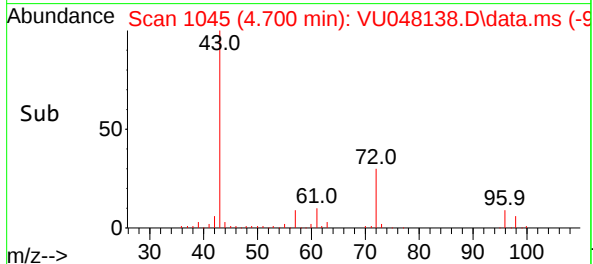
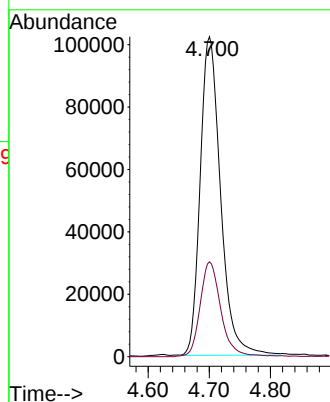
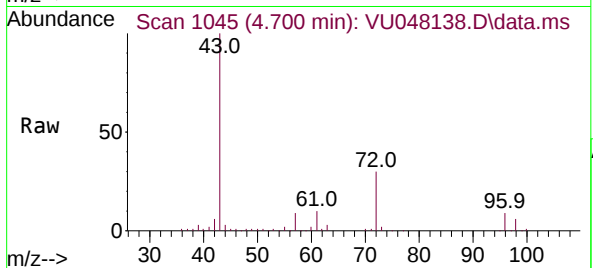
VSTD050090

Tgt Ion: 43 Resp: 236705

Ion Ratio Lower Upper

43 100

72 30.2 16.0 47.9



#23

Bromochloromethane

Concen: 52.438 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Tgt Ion:128 Resp: 82984

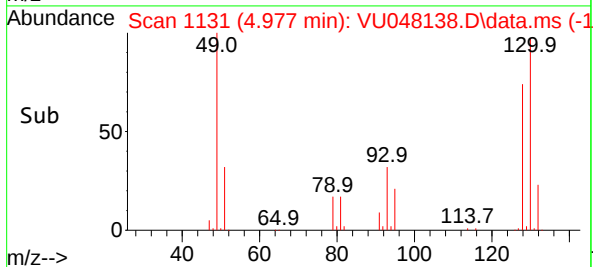
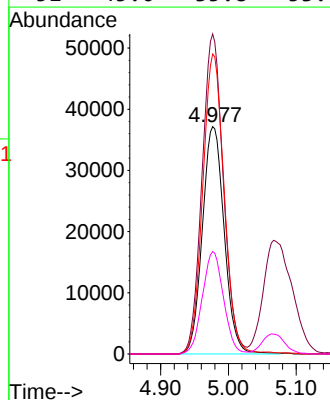
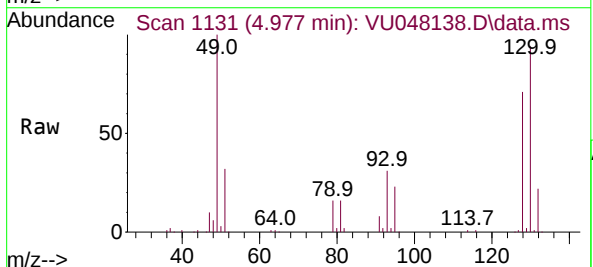
Ion Ratio Lower Upper

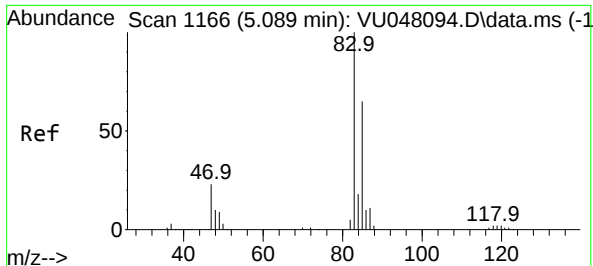
128 100

49 140.7 94.1 174.8

130 131.9 90.2 167.4

51 45.0 35.8 53.6





#25

Chloroform

Concen: 53.158 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

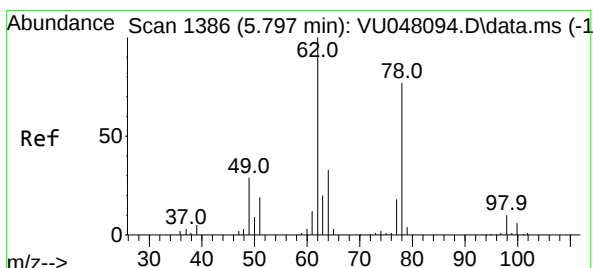
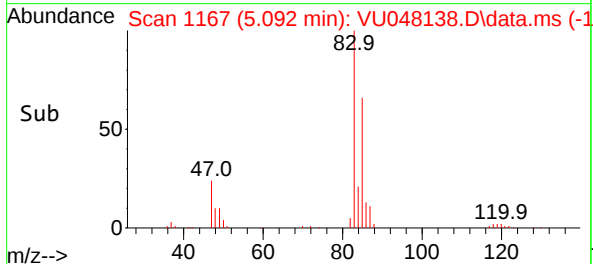
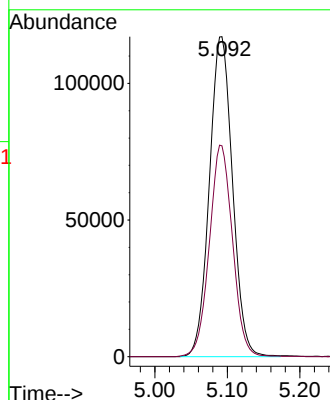
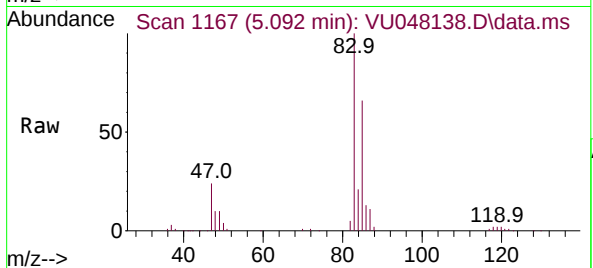
VSTD050090

Tgt Ion: 83 Resp: 259507

Ion Ratio Lower Upper

83 100

85 65.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 50.091 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048138.D

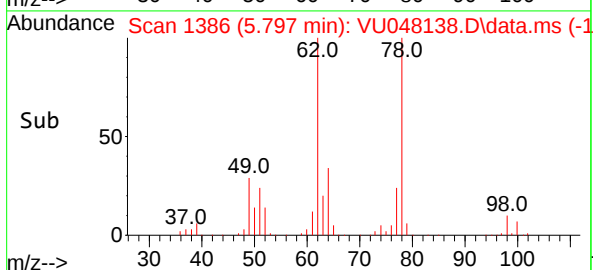
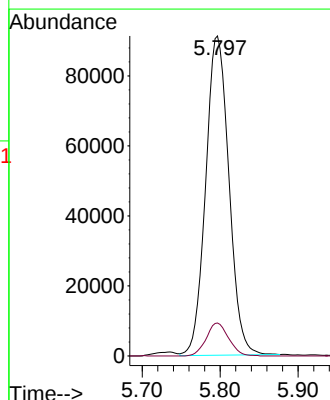
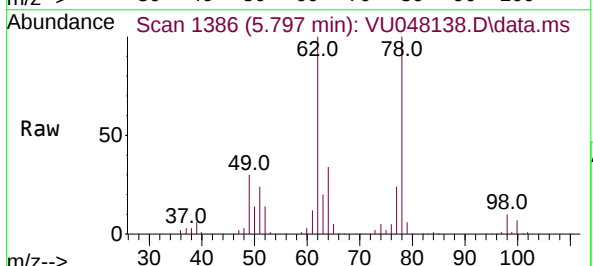
Acq: 20 Apr 2022 12:38

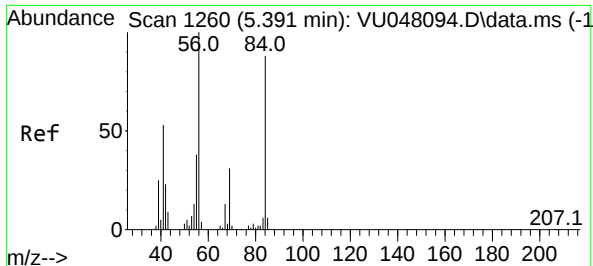
Tgt Ion: 62 Resp: 188923

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.0





#29

Cyclohexane

Concen: 47.880 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050090

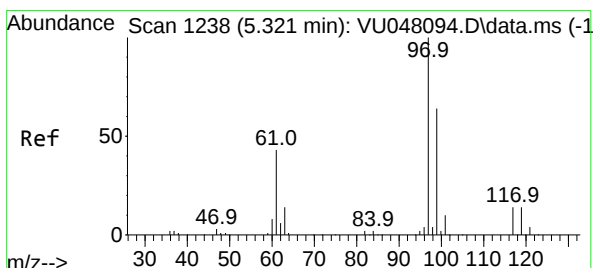
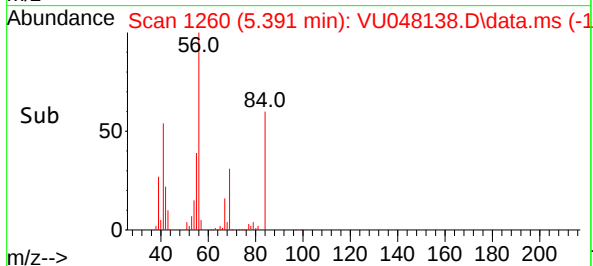
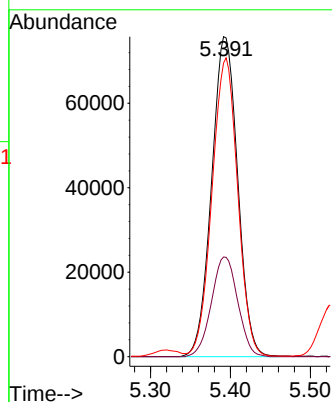
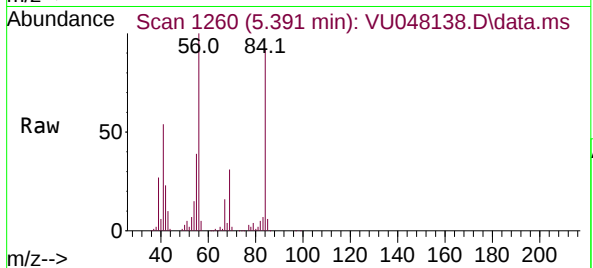
Tgt Ion: 56 Resp: 171541

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.2

84 92.0 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 52.789 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

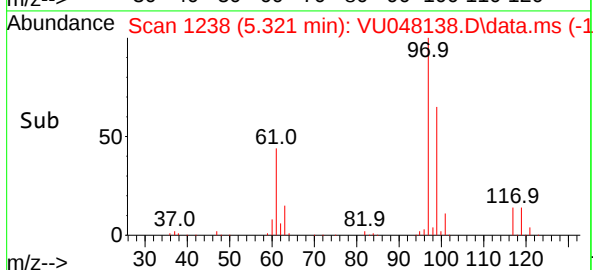
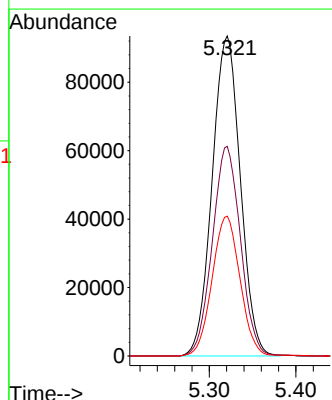
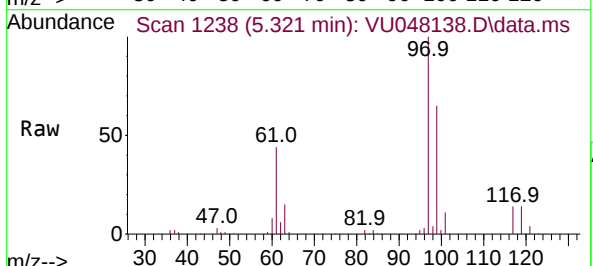
Tgt Ion: 97 Resp: 211343

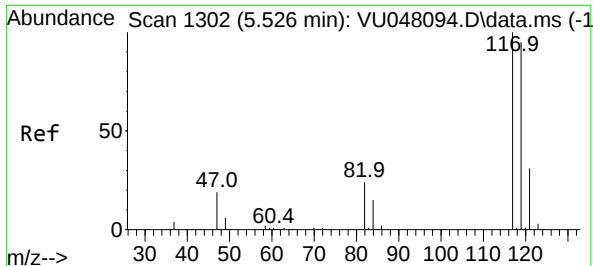
Ion Ratio Lower Upper

97 100

99 65.5 51.6 77.4

61 43.3 34.2 51.4

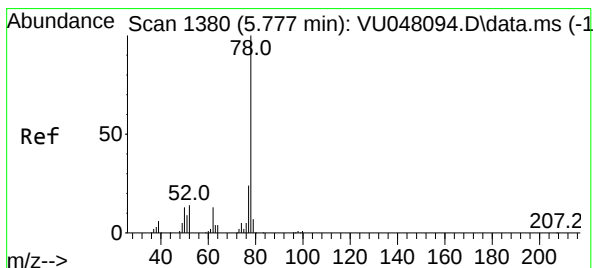
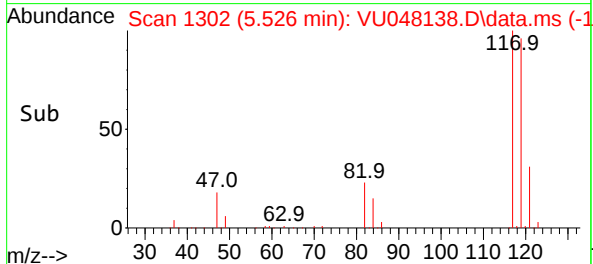
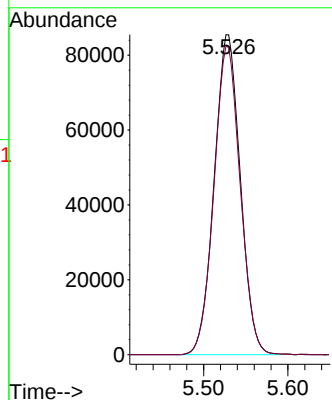
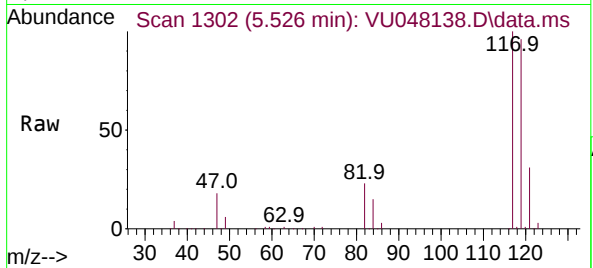




#31
Carbon tetrachloride
Concen: 50.779 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

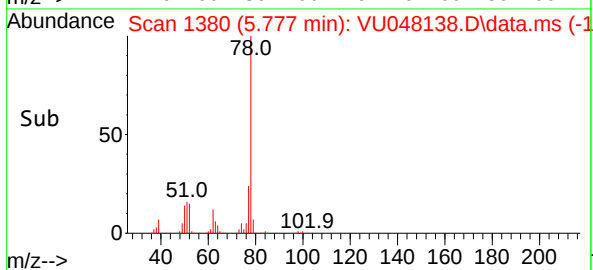
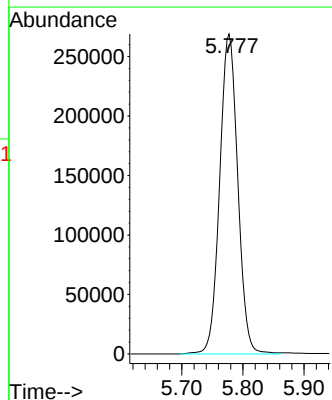
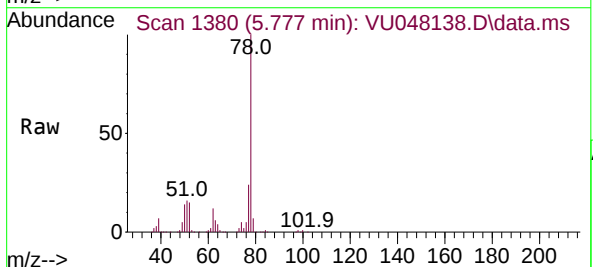
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

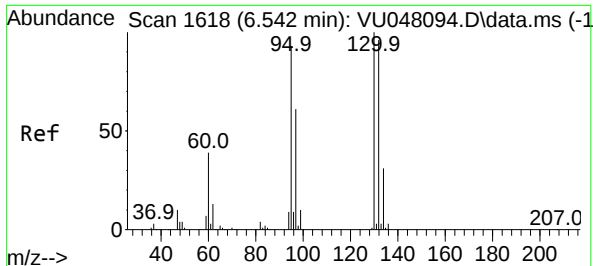
Tgt Ion:117 Resp: 183574
Ion Ratio Lower Upper
117 100
119 97.0 77.2 115.8



#33
Benzene
Concen: 54.118 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 78 Resp: 553084





#34

Trichloroethene

Concen: 51.979 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050090

Tgt Ion: 95 Resp: 139270

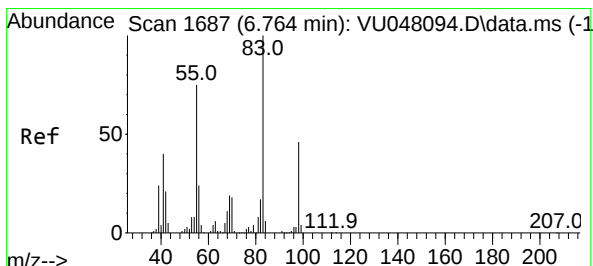
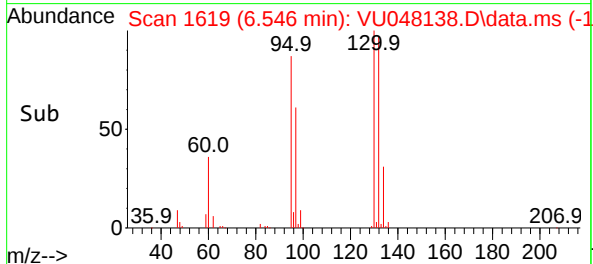
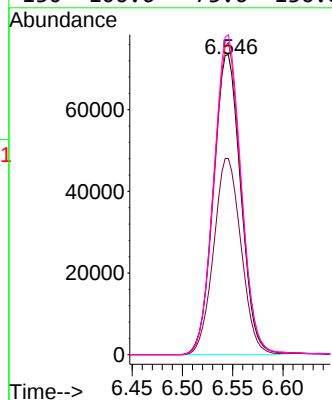
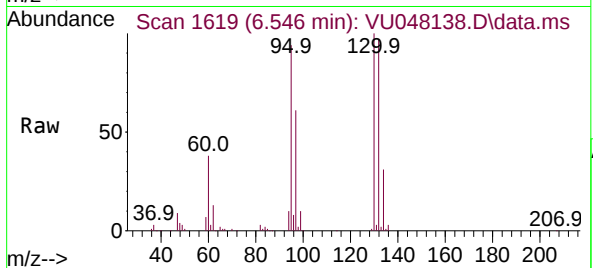
Ion Ratio Lower Upper

95 100

97 65.4 44.7 82.9

132 104.0 70.4 130.8

130 106.6 73.6 136.8



#35

Methylcyclohexane

Concen: 47.410 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

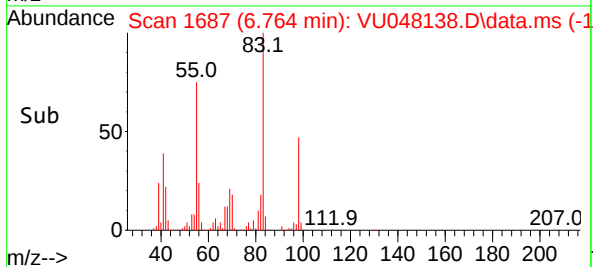
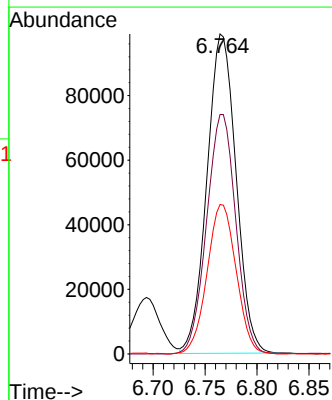
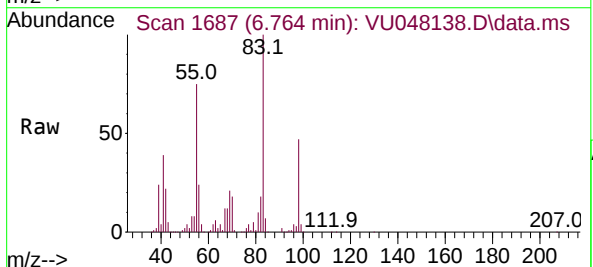
Tgt Ion: 83 Resp: 193249

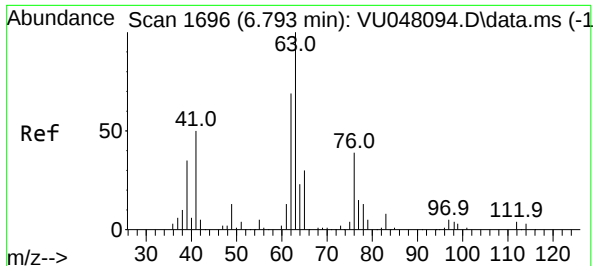
Ion Ratio Lower Upper

83 100

55 75.2 56.8 85.2

98 46.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 57.769 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

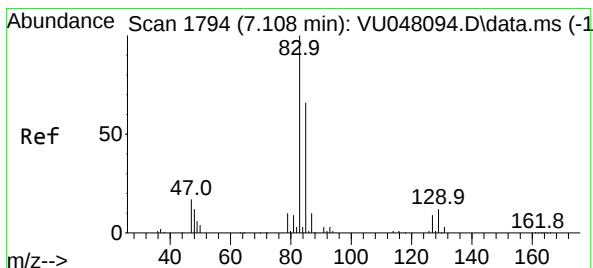
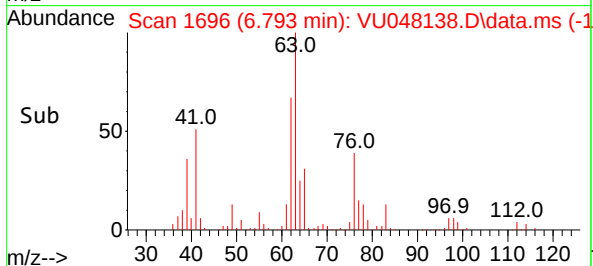
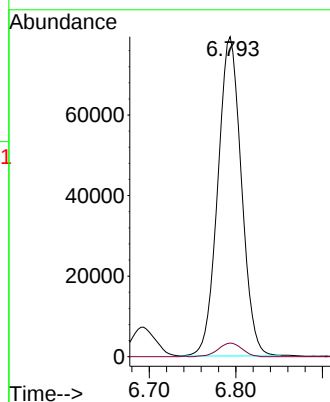
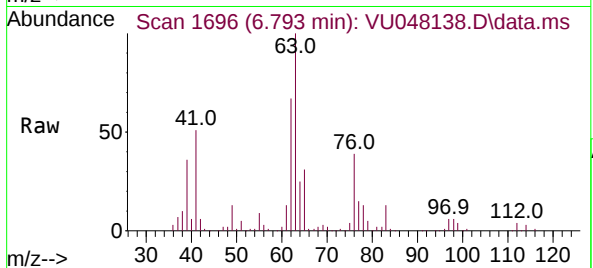
VSTD050090

Tgt Ion: 63 Resp: 150088

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 55.364 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

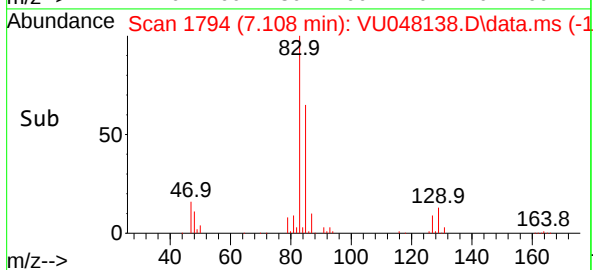
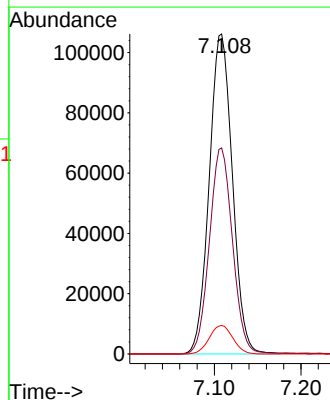
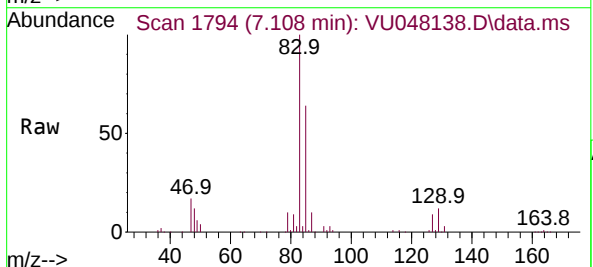
Tgt Ion: 83 Resp: 197524

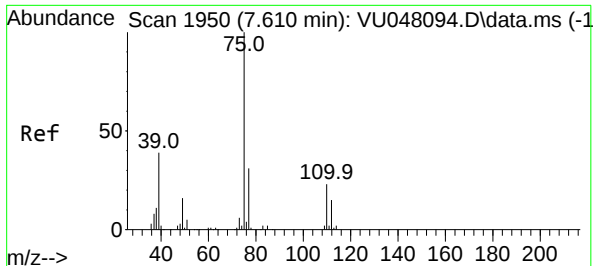
Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.4

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.527 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

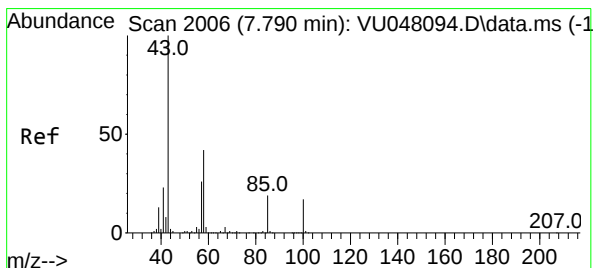
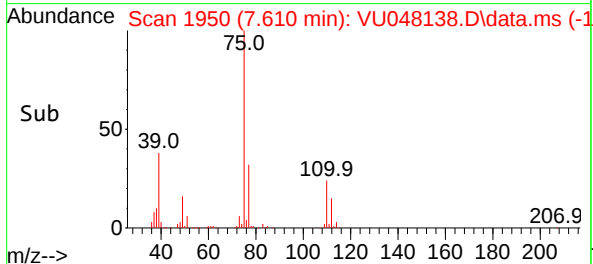
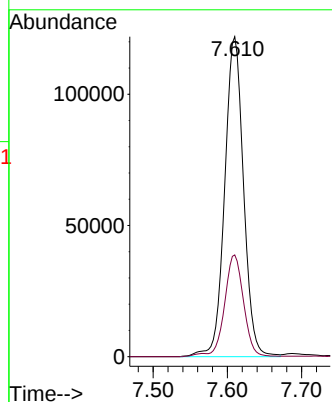
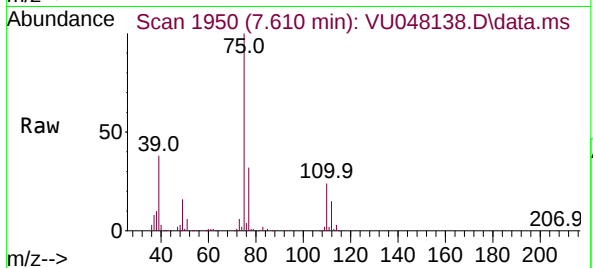
VSTD050090

Tgt Ion: 75 Resp: 215779

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.165 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

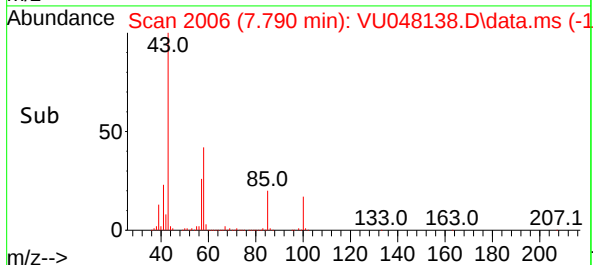
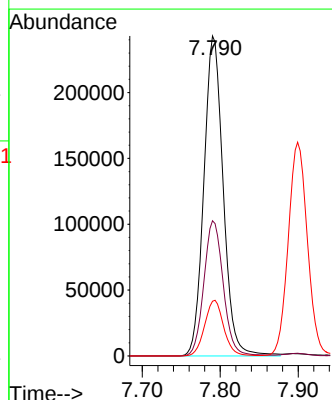
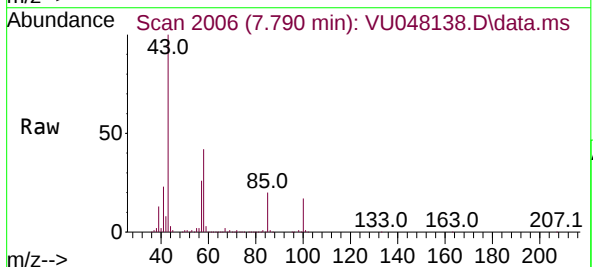
Tgt Ion: 43 Resp: 419511

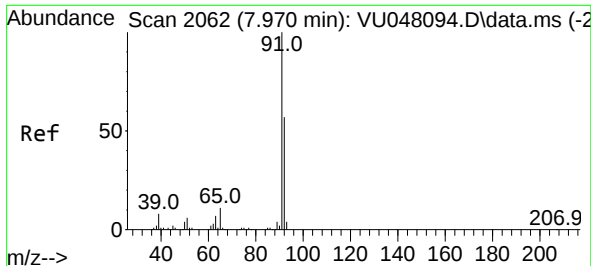
Ion Ratio Lower Upper

43 100

58 42.4 34.7 52.1

100 17.2 14.2 21.2





#42

Toluene

Concen: 54.091 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

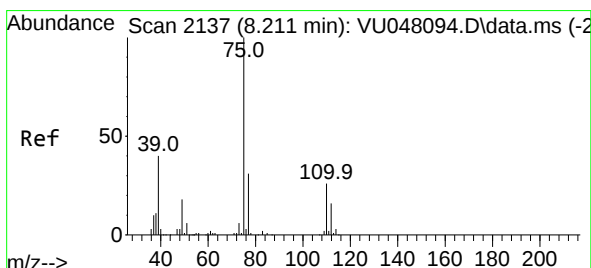
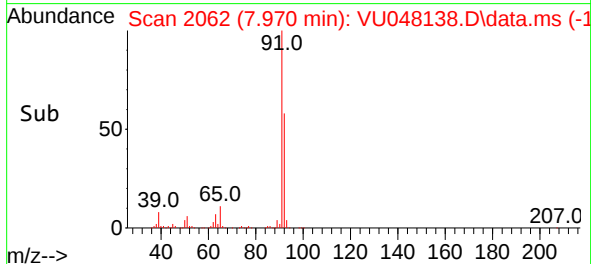
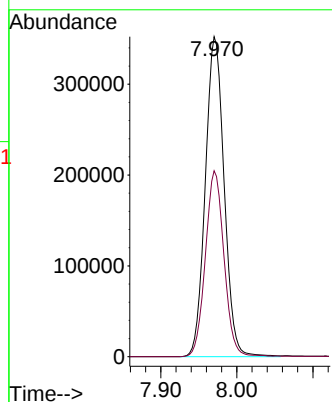
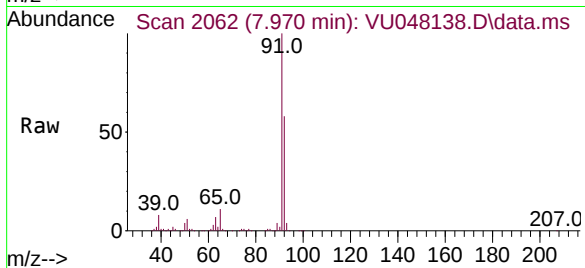
VSTD050090

Tgt Ion: 91 Resp: 606562

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 53.534 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048138.D

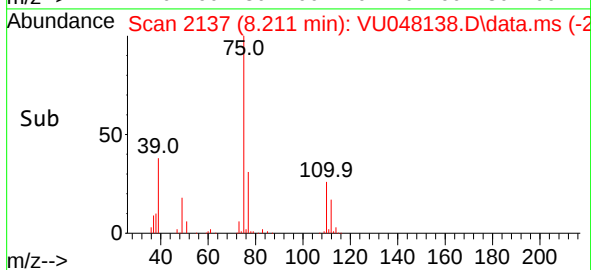
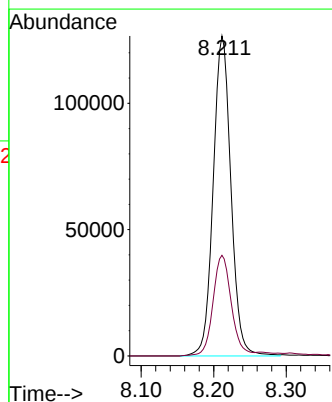
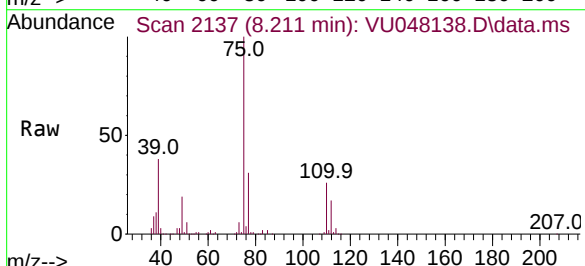
Acq: 20 Apr 2022 12:38

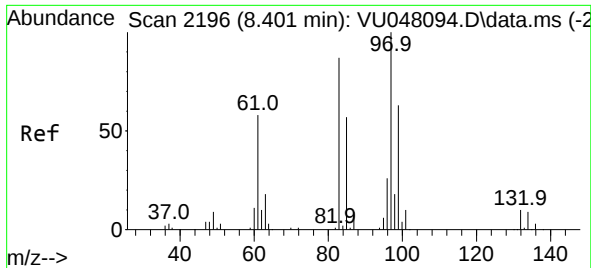
Tgt Ion: 75 Resp: 215472

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8

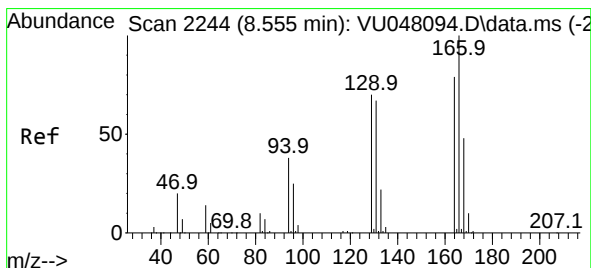
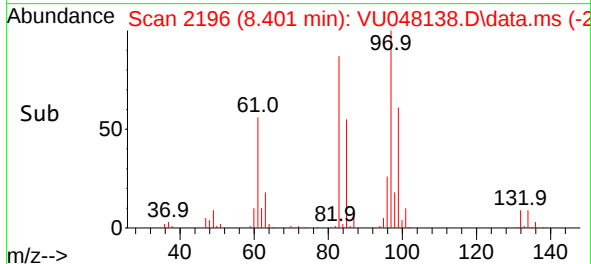
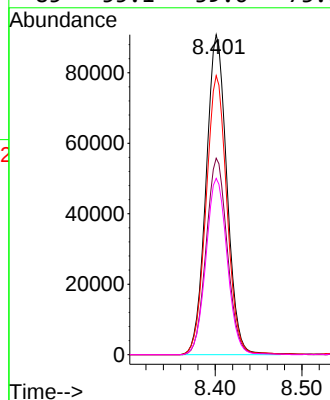
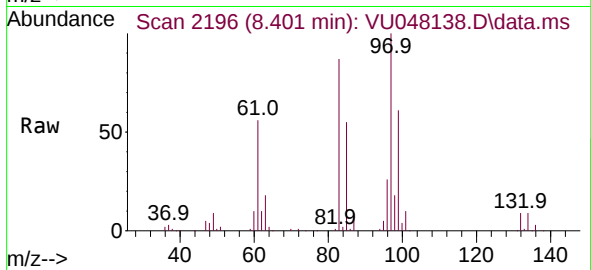




#45
1,1,2-Trichloroethane
Concen: 55.135 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

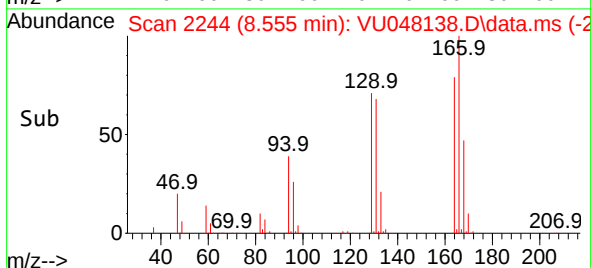
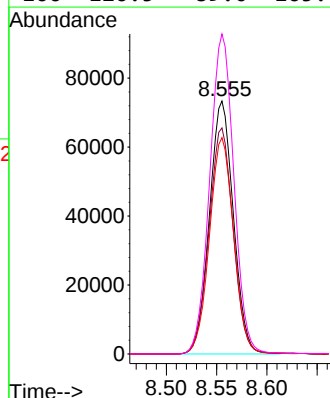
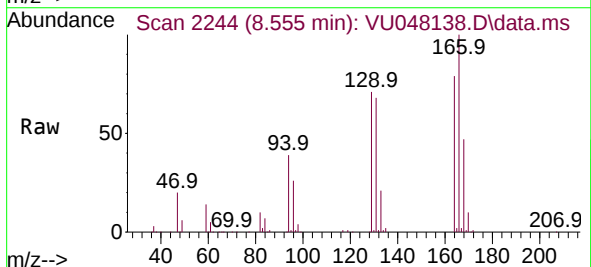
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

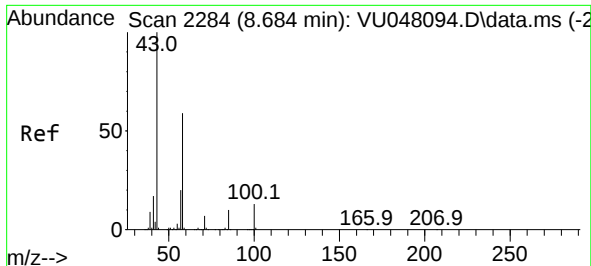
Tgt Ion:	97	Resp:	151919
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.3	80.3
83	87.2	61.0	113.4
85	55.1	39.6	73.6



#46
Tetrachloroethene
Concen: 50.536 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion:	164	Resp:	121679
Ion	Ratio	Lower	Upper
164	100		
129	89.3	62.4	116.0
131	85.5	60.7	112.7
166	126.5	89.0	165.4

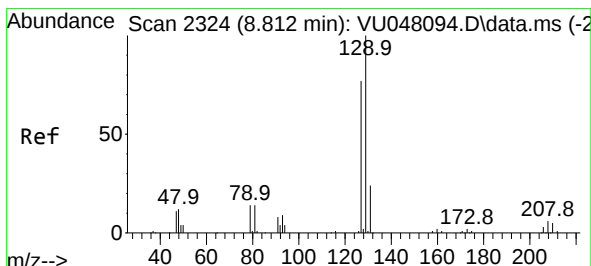
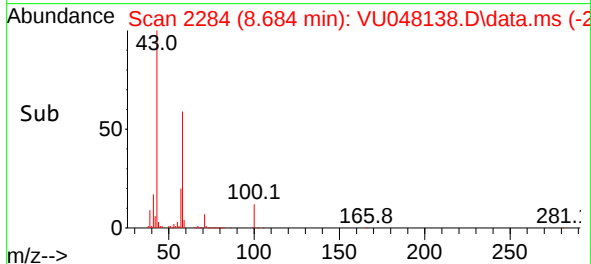
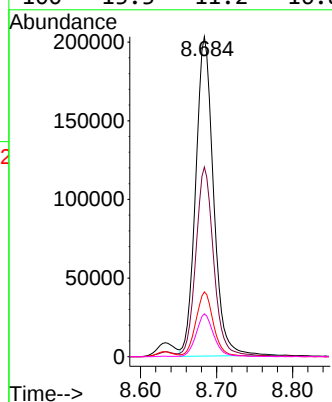
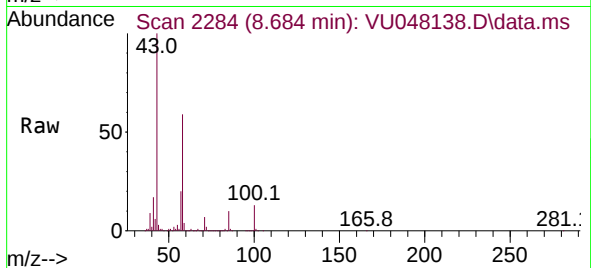




#48
2-Hexanone
Concen: 93.972 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

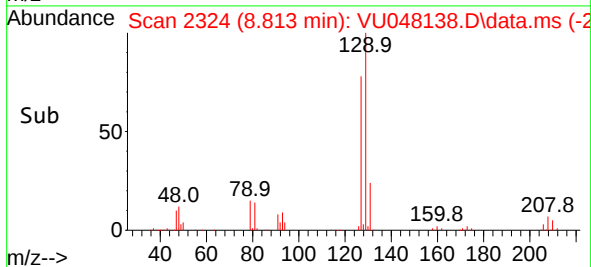
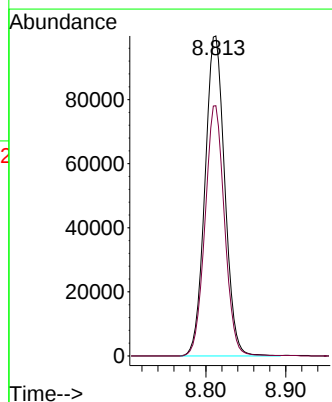
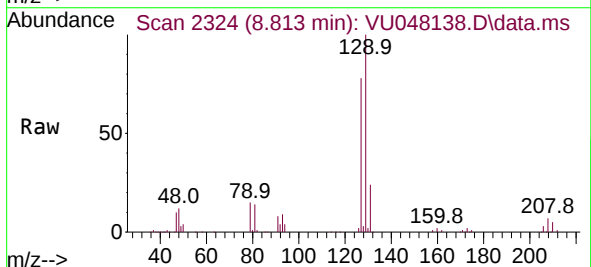
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

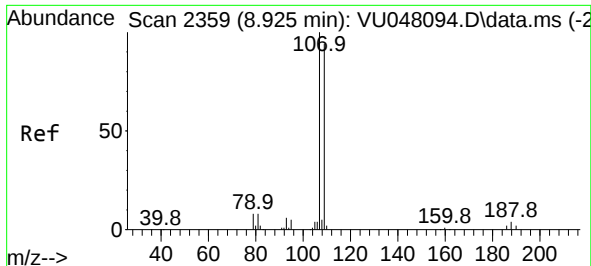
Tgt Ion: 43 Resp: 331917
Ion Ratio Lower Upper
43 100
58 59.3 48.1 72.1
57 19.8 16.2 24.4
100 13.3 11.2 16.8



#49
Dibromochloromethane
Concen: 53.692 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 129 Resp: 171353
Ion Ratio Lower Upper
129 100
127 78.2 54.2 100.6

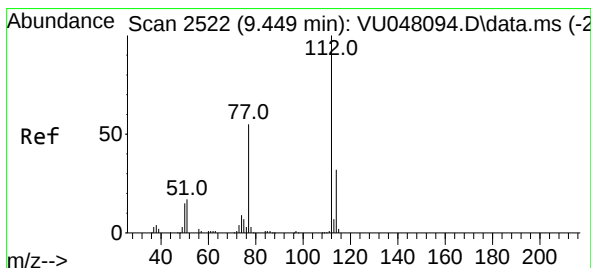
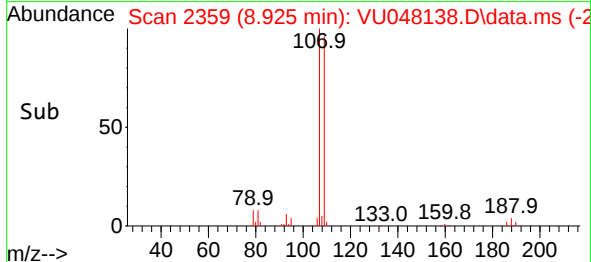
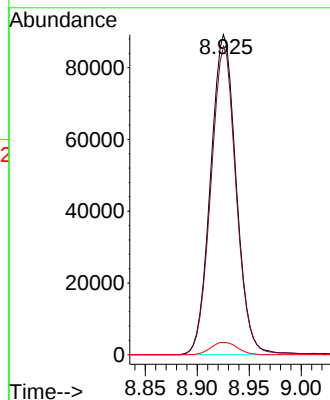
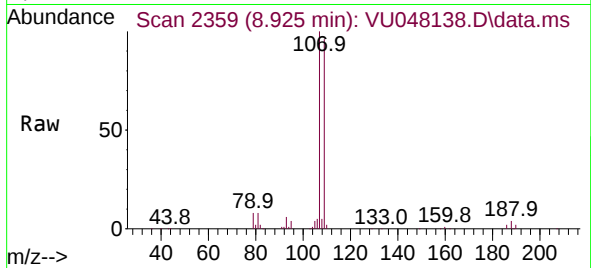




#50
1,2-Dibromoethane
Concen: 49.471 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

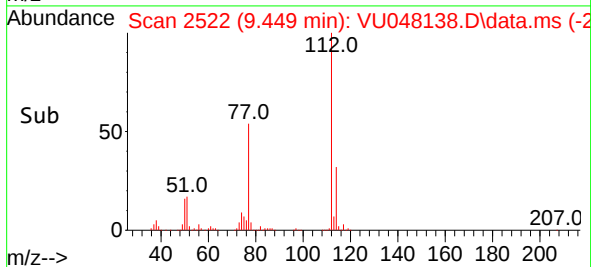
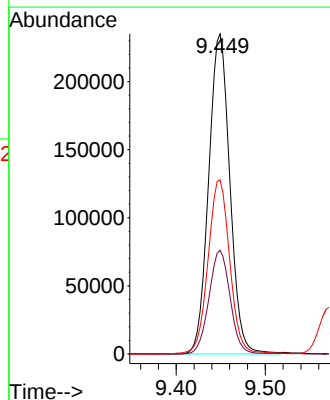
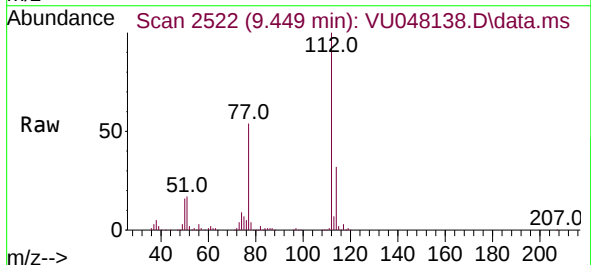
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

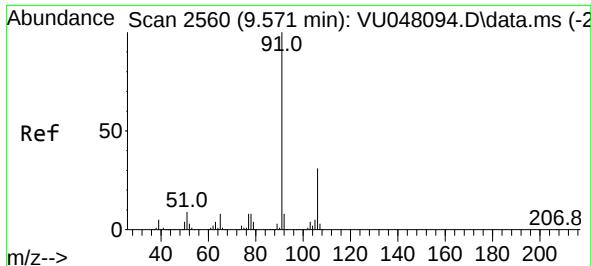
Tgt Ion:107 Resp: 152818
Ion Ratio Lower Upper
107 100
109 96.3 66.6 123.6
188 3.9 3.4 5.2



#51
Chlorobenzene
Concen: 50.997 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion:112 Resp: 388287
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 54.4 43.4 65.0

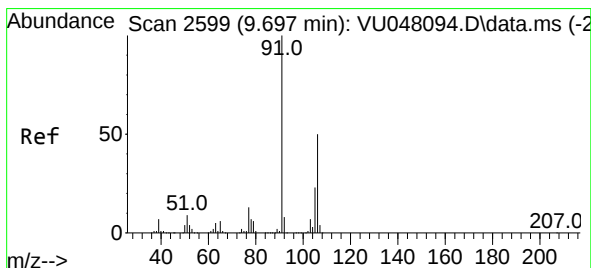
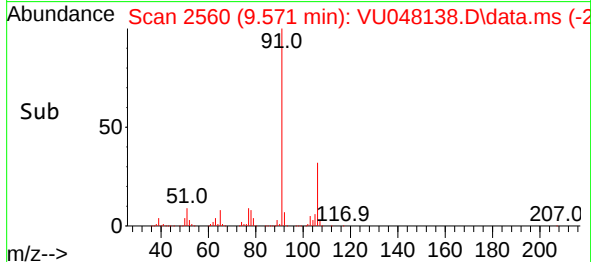
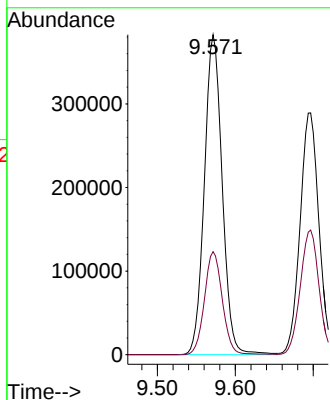
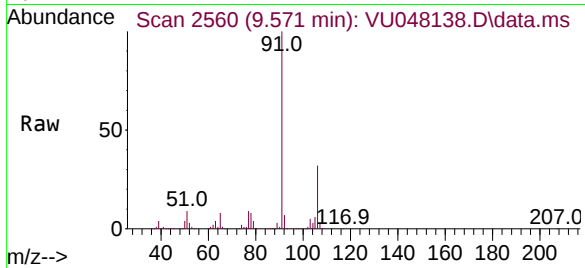




#52
Ethylbenzene
Concen: 51.632 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

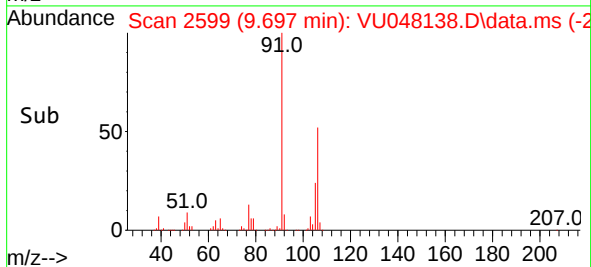
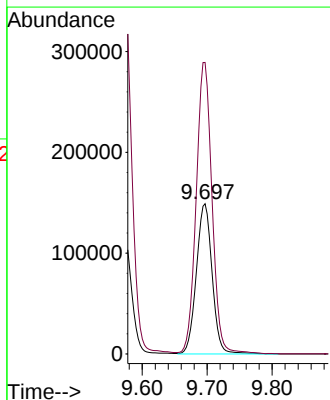
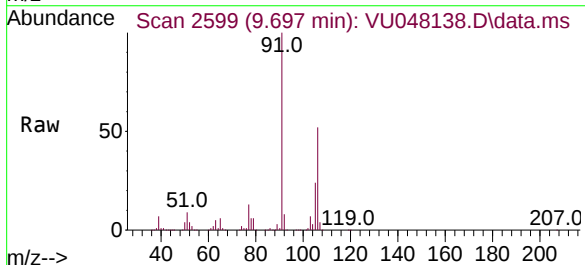
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

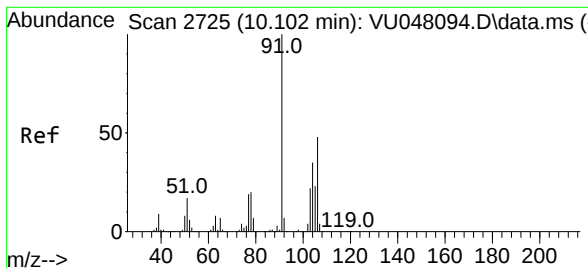
Tgt Ion: 91 Resp: 608787
Ion Ratio Lower Upper
91 100
106 32.2 22.4 41.6



#53
m,p-Xylene
Concen: 54.561 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 106 Resp: 252424
Ion Ratio Lower Upper
106 100
91 194.0 137.7 255.7





#54

o-Xylene

Concen: 53.351 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

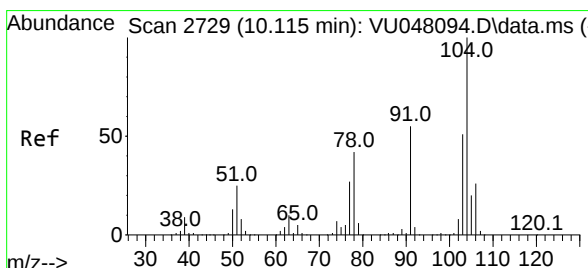
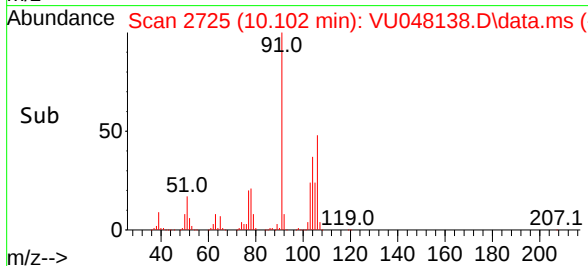
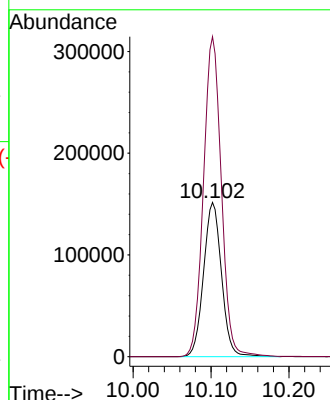
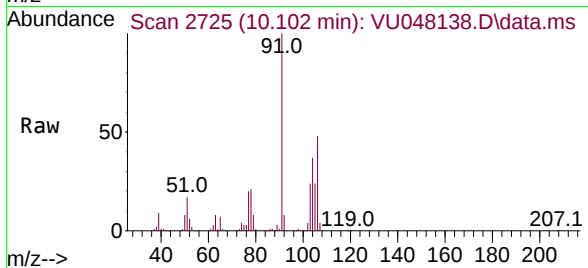
VSTD050090

Tgt Ion:106 Resp: 242253

Ion Ratio Lower Upper

106 100

91 207.6 146.7 272.5



#55

Styrene

Concen: 55.047 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU048138.D

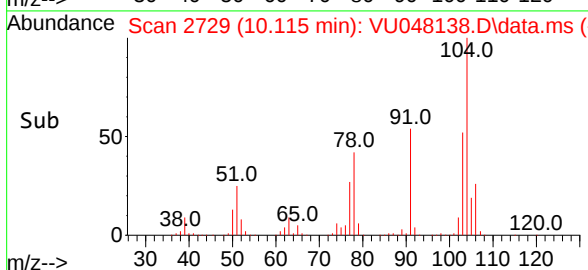
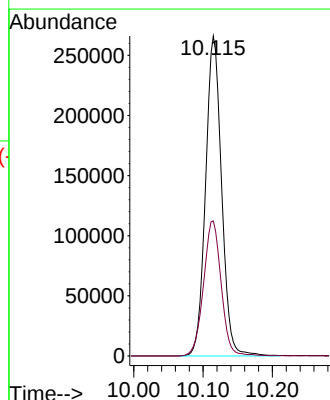
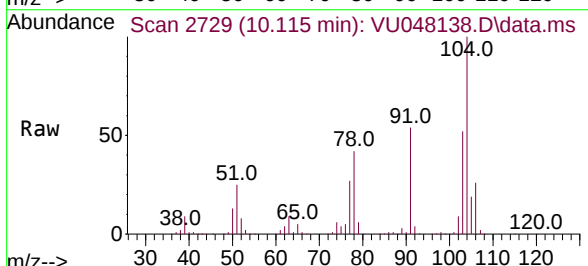
Acq: 20 Apr 2022 12:38

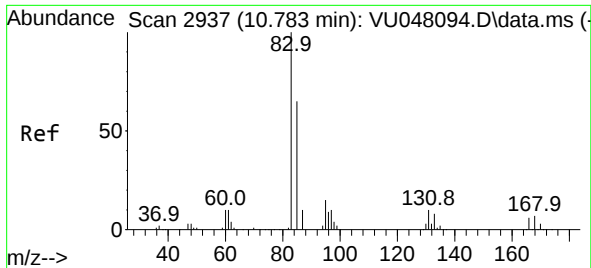
Tgt Ion:104 Resp: 426747

Ion Ratio Lower Upper

104 100

78 42.2 30.4 56.4

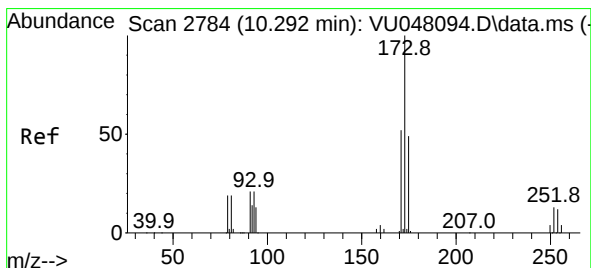
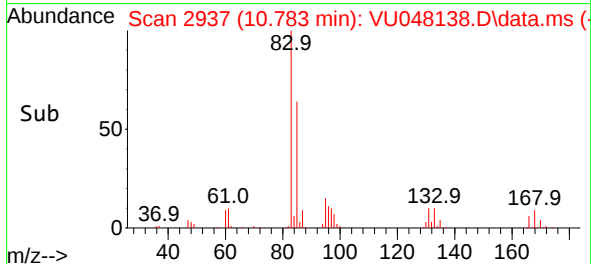
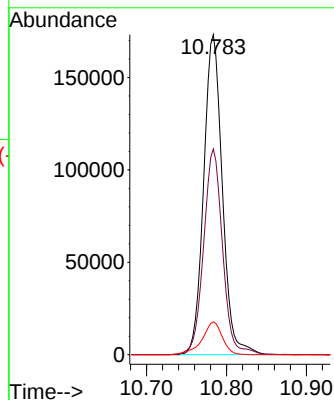
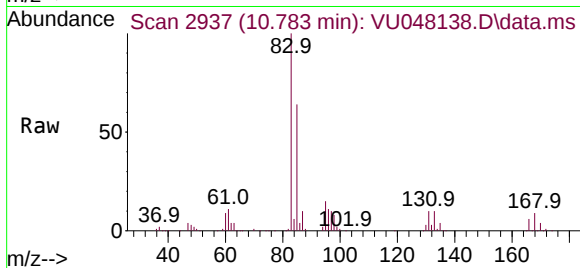




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.481 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

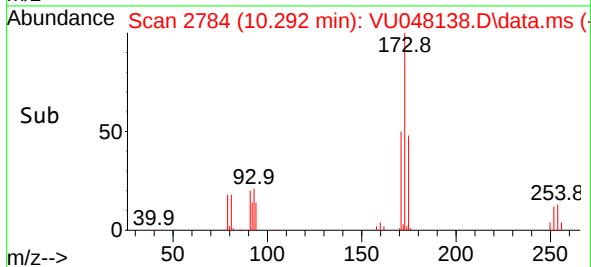
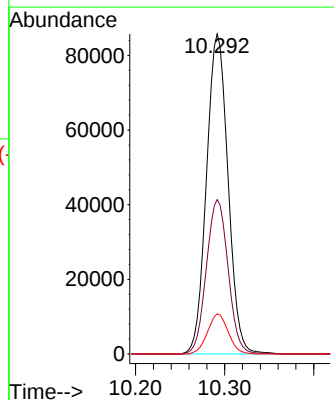
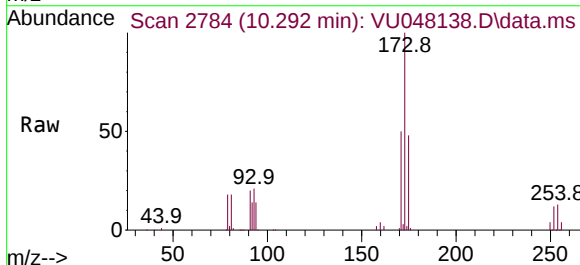
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

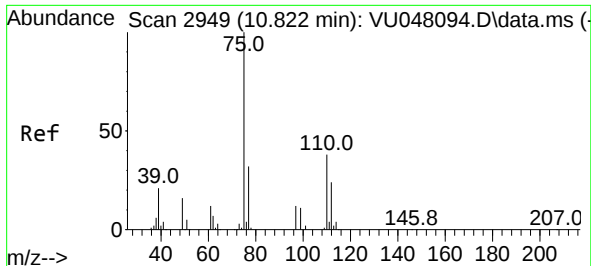
Tgt Ion: 83 Resp: 281432
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.3
 131 10.3 8.6 13.0



#59
 Bromoform
 Concen: 51.967 ug/L
 RT: 10.292 min Scan# 2784
 Delta R.T. -0.003 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion:173 Resp: 143805
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.7 58.1
 254 12.1 9.6 14.4

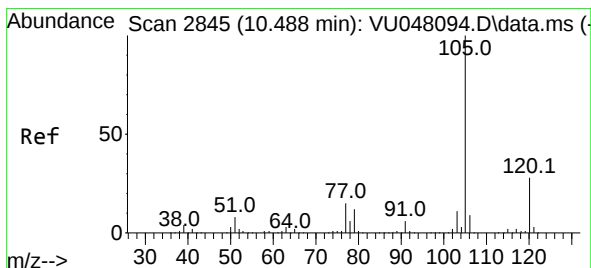
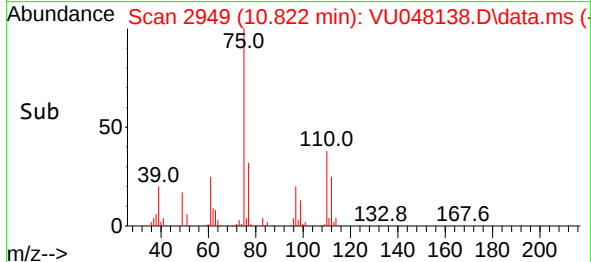
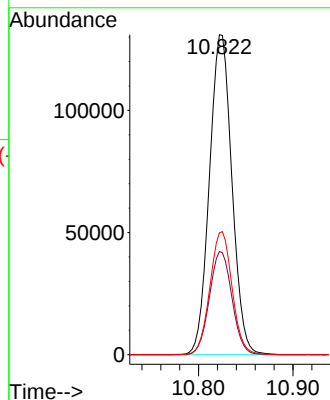
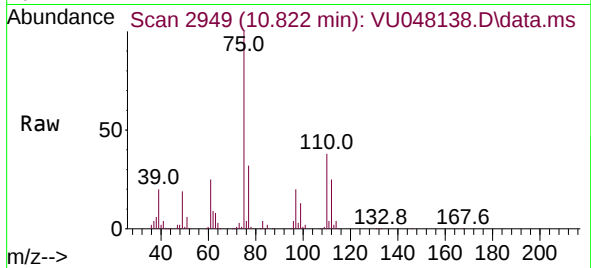




#60
1,2,3-Trichloropropane
Concen: 53.068 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

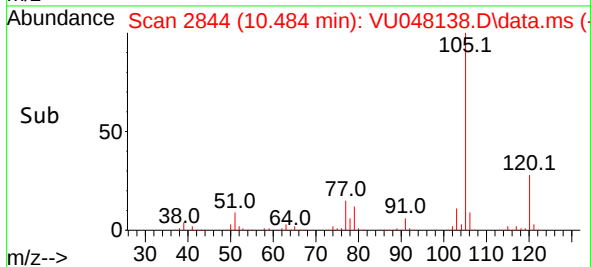
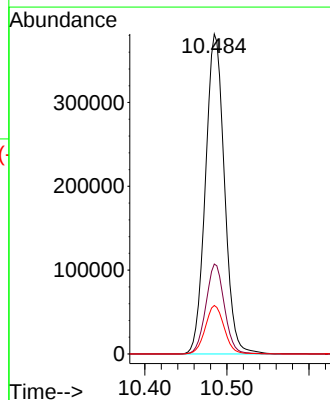
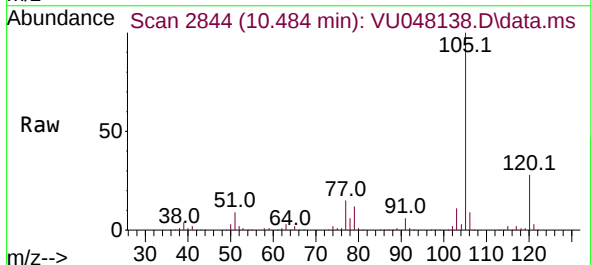
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

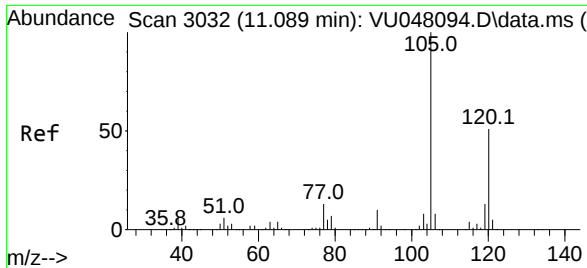
Tgt Ion: 75 Resp: 216497
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 37.9 31.4 47.2



#61
Isopropylbenzene
Concen: 52.359 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion: 105 Resp: 612368
Ion Ratio Lower Upper
105 100
120 27.6 21.9 32.9
77 15.2 12.1 18.1

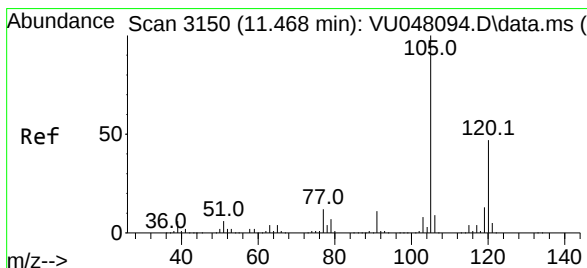
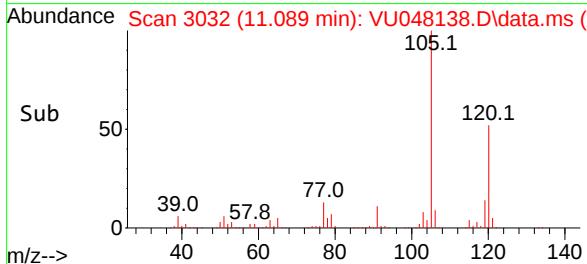
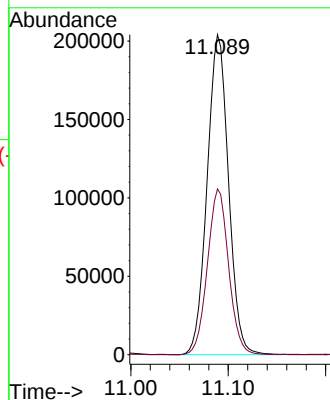
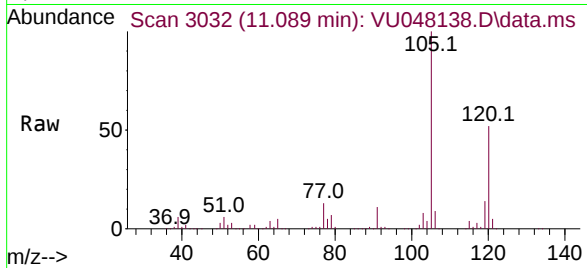




#62
 1,3,5-Trimethylbenzene
 Concen: 48.986 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

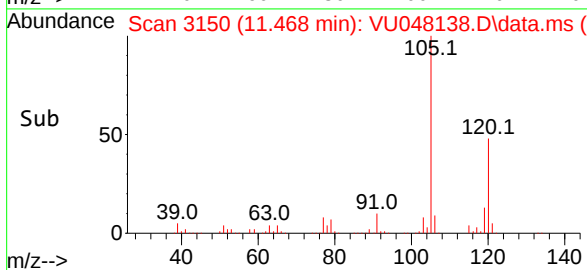
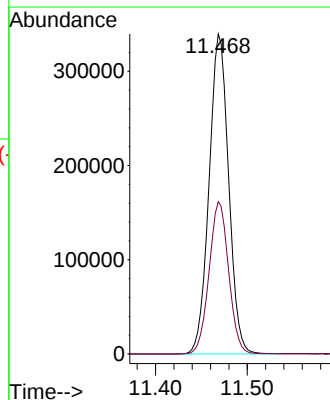
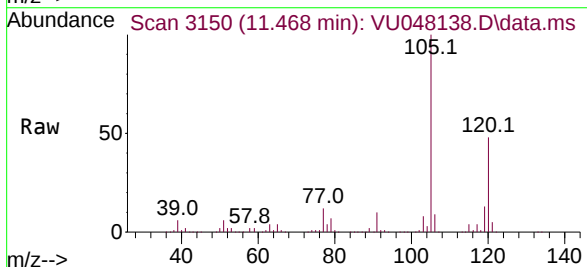
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

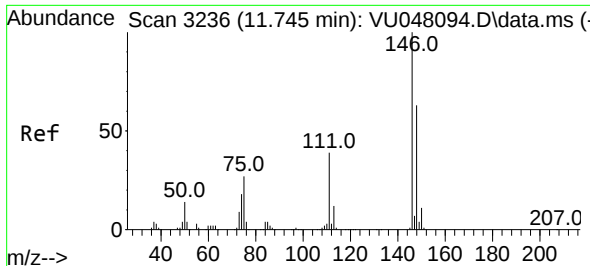
Tgt Ion:105 Resp: 310853
 Ion Ratio Lower Upper
 105 100
 120 51.4 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 52.088 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion:105 Resp: 502080
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.6 56.4

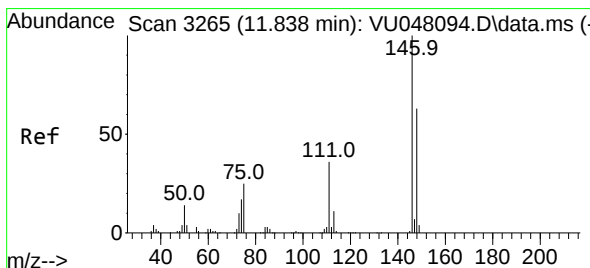
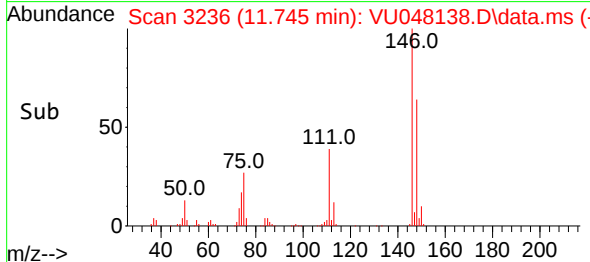
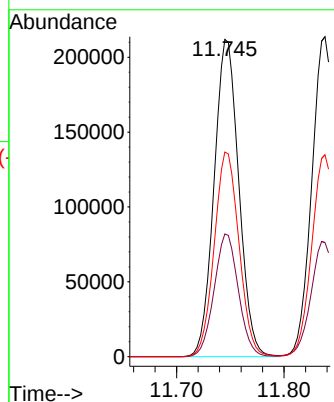
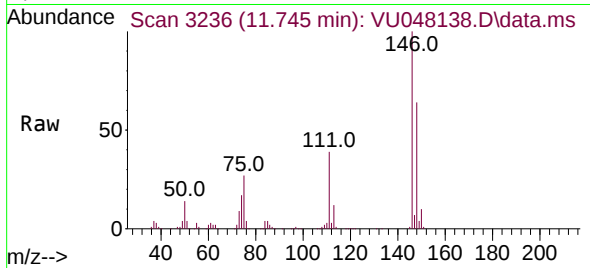




#64
1,3-Dichlorobenzene
Concen: 52.118 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

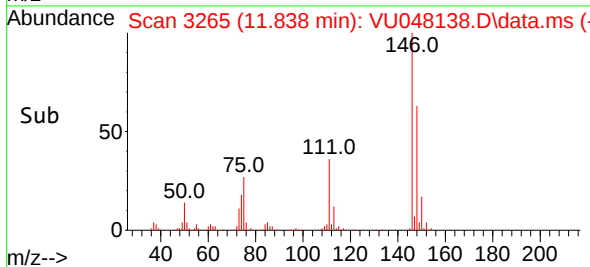
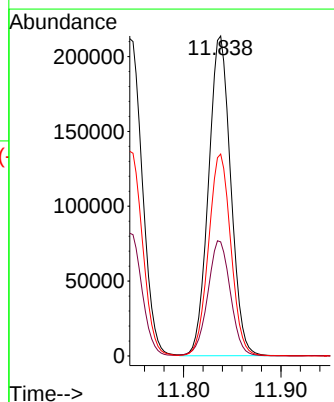
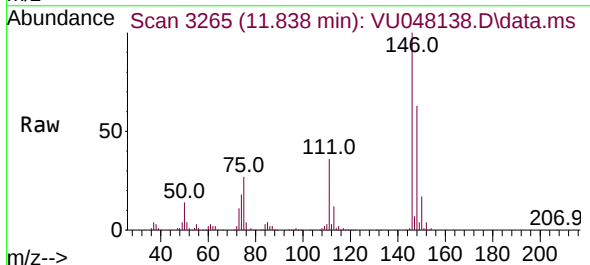
Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

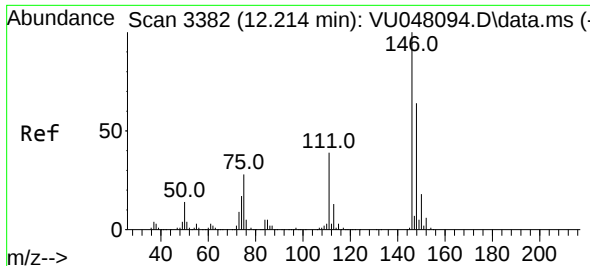
Tgt Ion:146 Resp: 338803
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.7
148 64.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 50.241 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion:146 Resp: 338294
Ion Ratio Lower Upper
146 100
111 35.7 25.3 47.1
148 63.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 51.854 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050090

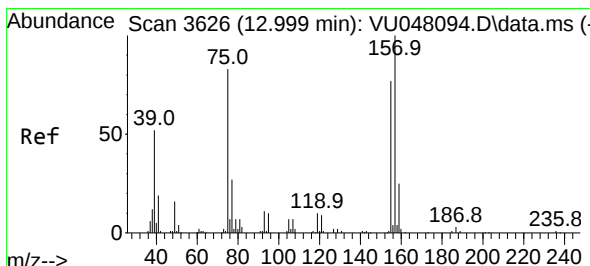
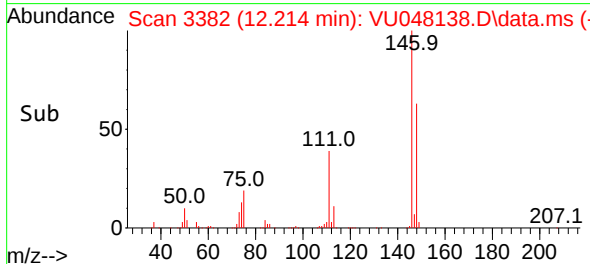
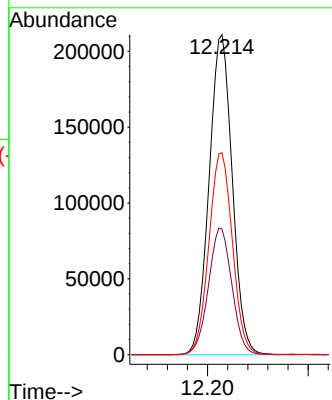
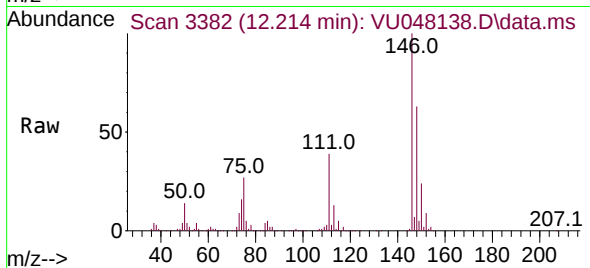
Tgt Ion:146 Resp: 337289

Ion Ratio Lower Upper

146 100

111 39.3 31.7 47.5

148 63.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.889 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048138.D

Acq: 20 Apr 2022 12:38

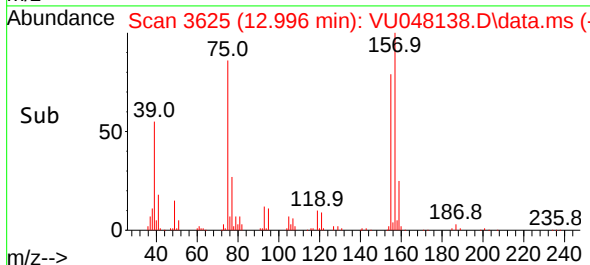
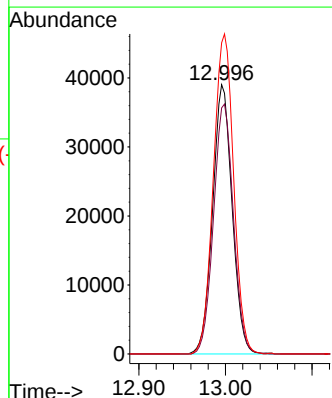
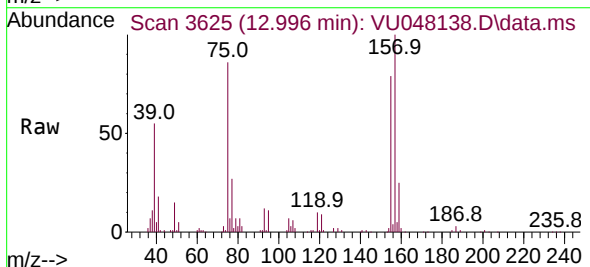
Tgt Ion: 75 Resp: 61274

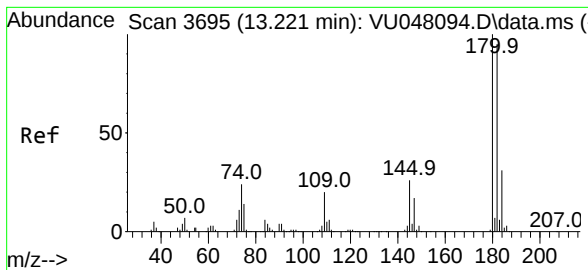
Ion Ratio Lower Upper

75 100

155 91.4 78.9 118.3

157 115.6 97.5 146.3



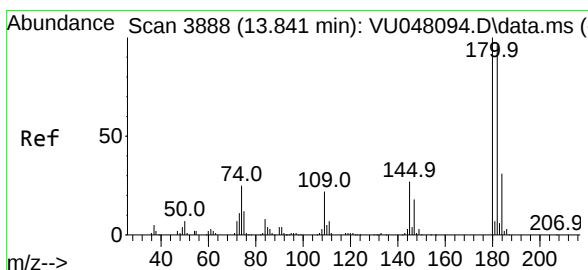
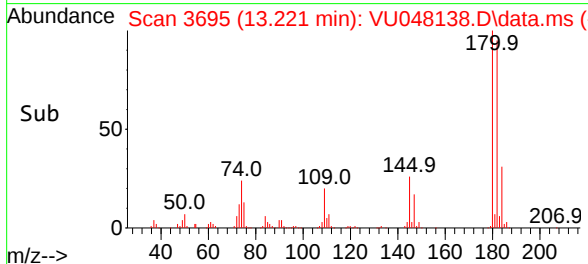
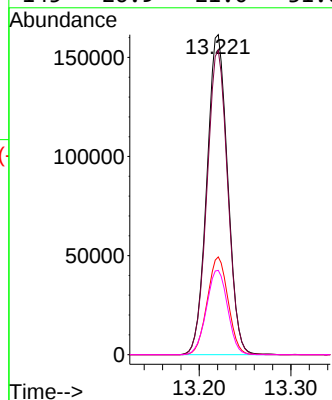
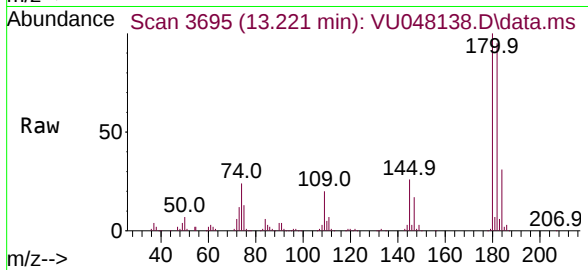


#69
 1,3,5-Trichlorobenzene
 Concen: 48.075 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Tgt Ion:180 Resp: 253814

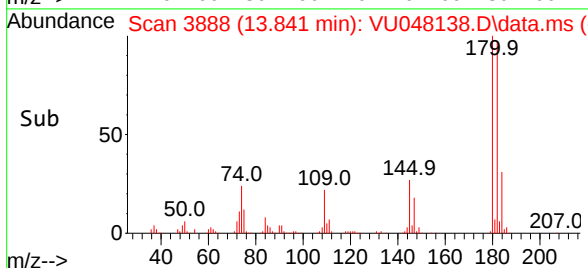
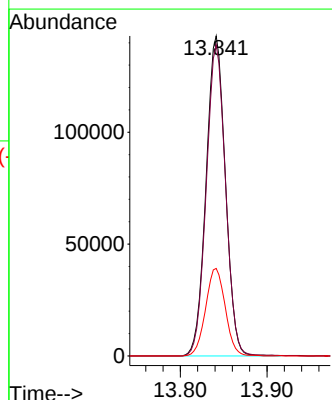
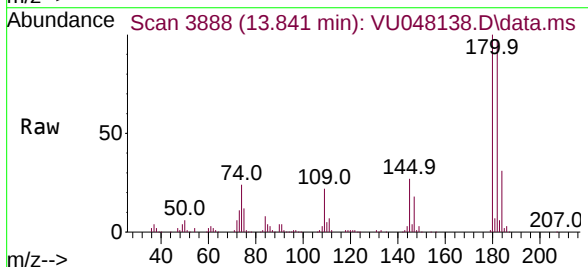
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	30.6	24.5	36.7
145	26.9	21.0	31.6

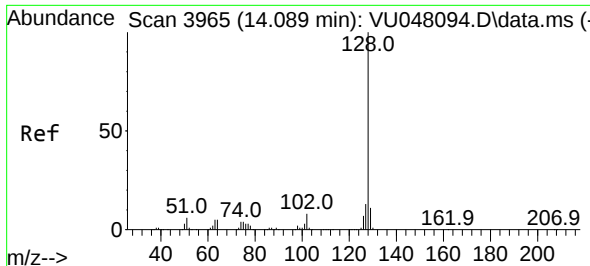


#70
 1,2,4-trichlorobenzene
 Concen: 47.937 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048138.D
 Acq: 20 Apr 2022 12:38

Tgt Ion:180 Resp: 221676

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.2	114.2
145	27.7	21.8	32.8

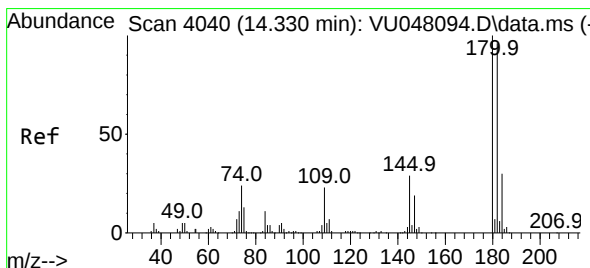
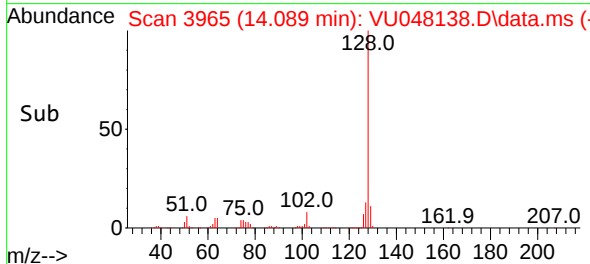
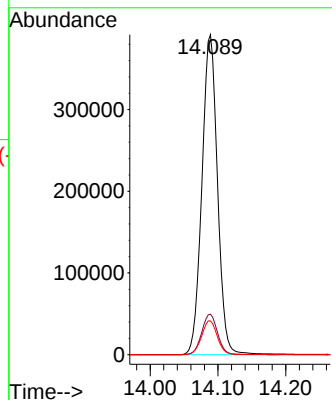
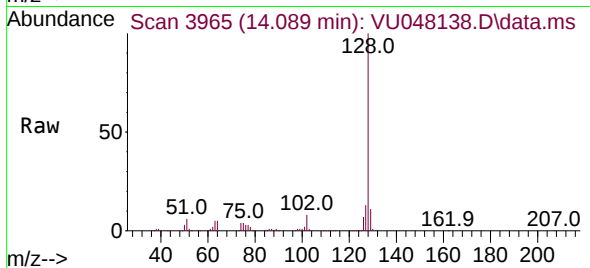




#71
Naphthalene
Concen: 45.406 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050090

Tgt Ion:128 Resp: 626011
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.941 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048138.D
Acq: 20 Apr 2022 12:38

Tgt Ion:180 Resp: 231518
Ion Ratio Lower Upper
180 100
182 95.8 77.4 116.0
145 29.1 22.8 34.2

